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PROJECT PLAN MAINTENANCE AND MYSAP DATABASE

ENGINEERING TECHNICAL STANDARDS & PROCEDURES

PT KILANG PERTAMINA INTERNASIONAL

DIREKTORAT PROYEK INFRASTRUKTUR

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1 – 39	12/21	Add: Content Translation in Bahasa Penambahan: Penerjemahan Konten dalam Bahasa Indonesia	RH/ABS
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1. INTRODUCTION

1.1 This document describes Work Instruction for developing Plant Maintenance and MySAP Database in the project.

2. SCOPE

2.1 This procedure is carried out to develop the Plant Maintenance and MySAP database for refinery and petrochemical projects using MySAP system as Enterprise Resource Planning (ERP) Software.

3. CONFLICTS AND DEVIATIONS

3.1 Any conflicts between this standard and other applicable Engineering Technical Standards & Procedures (ETSP), or OWNER standard, codes, and forms shall be resolved in writing by OWNER.

3.2 All direct requests to deviate from this standard (ETSP) in writing to OWNER, who shall follow internal OWNER procedure and forward such requests to OWNER for approval.

4. ABBREVIATIONS

4.1 Abbreviations used for this document shall have the following definitions:

BOM	Bill of Material
ECA	Equipment Criticality Assessment
ERP	Enterprise Resource Planning
OEM	Original Equipment Manufacturer

1. PENGANTAR

1.1 Dokumen ini menjelaskan tentang Instruksi Kerja untuk pembangunan dan pengembangan *Database* Pemeliharaan Kilang dan MySAP dalam proyek.

2. LINGKUP

2.1 Prosedur ini dilakukan untuk pembuatan database Pemeliharaan Kilang dan MySAP untuk proyek refinery dan petrokimia yang menggunakan sistem MySAP sebagai *Software Enterprise Resource Planning* (ERP).

3. KONFLIK DAN DEVIASI

3.1 Apabila terdapat konflik antara standar ini dengan *Engineering Technical Standards & Procedures* (ETSP) yang berlaku lainnya, atau standar PEMILIK, *codes* dan formulir, maka harus diselesaikan secara tertulis oleh PEMILIK.

3.2 Semua permintaan penggunaan standar yang berbeda dari standar ini (ETSP), harus diajukan kepada PEMILIK secara tertulis dengan mengikuti prosedur internal PEMILIK untuk mendapatkan persetujuan.

4. SINGKATAN

4.1 Singkatan yang digunakan pada dokumen ini harus memiliki definisi sebagai berikut:

BOM	*Bill of Material*
ECA	*Equipment Criticality Assessment*
ERP	*Enterprise Resource Planning*
OEM	*Original Equipment Manufacturer*

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PO	Purchase Order
RAM	Risk Assessment Matrix
RAM	Reliability, Availability, and Maintainability Study
RBI	Risk Based Inspection
UOM	Unit of Measurement

5. DEFINITIONS

5.1 The following words shall have these special meanings when used herein:

OWNER	Owner of the Plant is defined as PT Kilang Pertamina Internasional.
CONTRACTOR/ CONSULTANT	Defined as The Organization to which PT Kilang Pertamina Internasional assign the work.
shall	Indicates that the statement is mandatory.
should	Indicates a recommendation.
Manufacturer	The company selected to fabricate/ manufacture the equipment/ spare parts.
Mechanical Completion	The term used to cover the phase between equipment installation and the start of the commissioning process, in which components of the

PO	*Purchase Order*
RAM	*Risk Assessment Matrix*
RAM	*Reliability, Availability, and Maintainability Study*
RBI	*Risk Based Inspection*
UOM	*Unit of Measurement*

5. DEFINISI

5.1 Penggunaan kata-kata berikut harus memiliki arti khusus sebagai berikut:

PEMILIK	Pemilik Kilang didefinisikan sebagai PT Kilang Pertamina Internasional.
KONTRAKTOR/ KONSULTAN	Didefinisikan sebagai Organisasi yang ditunjuk oleh di PT Kilang Pertamina Internasional untuk melakukan suatu pekerjaan.
shall	Menunjukkan bahwa pernyataan itu wajib.
should	Menunjukkan rekomendasi.
Pabrikan	Perusahaan yang dipilih untuk membuat/ memproduksi peralatan/ suku cadang.
Mechanical Completion	Istilah yang digunakan untuk mencakup fase antara pemasangan peralatan dan dimulainya proses pengujian, dimana komponen-komponen

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	plant are confirmed already installed in accordance with drawings and specifications and are proved to be mechanically fit for the function.		kilang dipastikan telah dipasang sesuai dengan gambar dan spesifikasi dan terbukti secara mekanis sesuai dengan fungsinya.
MySAP	An Enterprise Resource Planning (ERP) Software is used by Pertamina for supporting operational activities effectively and efficiently.	MySAP	*Software Enterprise Resource Planning* (ERP) digunakan PT Kilang Pertamina Internationaluntuk mendukung kegiatan operasional secara efektif dan efisien.
Vendor	The company selected to supply the equipment and service detailed in this specification.	*Vendor*	Perusahaan yang dipilih untuk memasok peralatan dan layanan yang dirinci dalam spesifikasi ini.

6. STANDARD & REFERENCE DOCUMENT

The following Codes, Standard and Specifications apply to this specification. When an edition date is not indicated for a code or standard or any update in codes and standards in this specification document, the latest edition and addendum in force at the time of purchase shall apply. Material & equipment shall be as a specification or an equal approved by OWNER.

6.1 Standard

ISO 14224: 2016	Petroleum, Petrochemical and Natural Gas Industries - Collection and Exchange of

6. DOKUMEN STANDAR & REFERENSI

Kode, standar, dan spesifikasi berikut berlaku untuk spesifikasi ini. Kode dan standar harus menggunakan edisi yang terbaru atau edisi yang berlaku pada saat pembelian. *Material* & peralatan harus sesuai spesifikasi atau setara dengan yang disetujui oleh PEMILIK.

6.1 Standar

ISO 14224: 2016	*Petroleum, Petrochemical and Natural Gas Industries - Collection and Exchange of Reliability*

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	Reliability and Maintenance Data for Equipment.	*and Maintenance Data for Equipment.*

6.2 **Reference Document**

6.2 **Dokumen Referensi**

B03-003/KPI33000/2021-S9	Penyusunan Database Equipment & Material Proyek pada Sistem MySAP.
TKO B03-003/E20300/2019-S9 Rev.0	Pembuatan dan Pemutakhiran Master Data Equipment dan BOM Dit. Pengolahan.

B03-003/KPI33000/2021-S9	Penyusunan *Database Equipment & Material* Proyek pada Sistem MySAP.
TKO B03-003/E20300/2019-S9 Rev.0	Pembuatan dan Pemutakhiran *Master Data Equipment* dan BOM Dit. Pengolahan.

7. OBJECTIVES/ PURPOSES

This instruction provides information on developing the plant maintenance database that includes information for installed equipment and how to input raw data into the template. The database shall consist of the following information:

a. Equipment data: specification, number, volume, dimension, technical description, drawings, etc.;

b. Material Master and Bill of Material (BOM);

c. Maintenance task list: A list that contains activities to do maintenance for each equipment;

Schedule and maintenance strategy by Vendor's best practices, equipment manual book, or RBI method.

7. TUJUAN/ KEGUNAAN

Instruksi ini memberikan informasi tentang cara menyusun, membangun dan mengembangkan *database* pemeliharaan kilang yang mencakup informasi untuk peralatan yang dipasang dan cara memasukkan *raw* data ke dalam *template*. *Database* harus terdiri dari informasi berikut:

a. Data peralatan: spesifikasi, jumlah, volume, dimensi, deskripsi teknis, gambar, dll.;

b. *Material Master* dan *Bill of Material* (BOM);

c. *Maintenance task list*: Daftar yang berisi kegiatan yang harus dilakukan pemeliharaan untuk setiap peralatan;

Jadwal dan strategi pemeliharaan berdasarkan *Vendor's best practices*, buku manual peralatan, atau metode RBI.

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8. RESPONSIBILITY

Responsibility for developing Plant Maintenance and MySAP database are listed below:

8. TANGGUNG JAWAB

Tanggung jawab dalam membangun dan mengembangkan database Pemeliharaan kilang dan MySAP tercantum di bawah ini:

No	Task	Responsible By
1.	Provide MySAP database template *Menyediakan template database MySAP*	OWNER *PEMILIK*
2.	Collecting Raw Data *Mengumpulkan Raw Data*	CONTRACTOR/ CONSULTANT *KONTRAKTOR/KONSULTAN*
3.	Provide the latest document or drawing *Menyediakan dokumen atau gambar terbaru*	CONTRACTOR/ CONSULTANT *KONTRAKTOR/KONSULTAN*
4.	Ensure all data within Bill of Material are align with Vendor's or Manufacturer's document *Memastikan semua data dalam Bill of Material selaras dengan dokumen vendor atau perusahaan*	CONTRACTOR/ CONSULTANT *KONTRAKTOR/KONSULTAN*
5.	Input data to the template *Masukan data ke Template*	CONTRACTOR/ CONSULTANT *KONTRAKTOR/KONSULTAN*
5.	Verify and validate inputted data *Verifikasi dan validasi Data yang telah diinput*	OWNER *PEMILIK*

9. PLANT MAINTENANCE

The Plant Maintenance for the project is intended to enable the OWNER to identify the equipment, spare parts installed, and the associated maintenance task list. This database will be used by the OWNER to obtain detailed information about the equipment and its parts that need to be purchased for maintenance activities. The detailed information that specifically identifies the equipment, including its parts, shall be inputted into the MySAP template correctly by CONTRACTOR in accordance with VENDOR's standard material list, which is used OWNER to

9. PEMELIHARAAN KILANG

Pemeliharaan kilang untuk proyek dimaksudkan untuk memungkinkan PEMILIK untuk mengidentifikasi peralatan, suku cadang yang dipasang dan maintenance task list yang terkait. Database ini akan digunakan oleh PEMILIK untuk mendapatkan informasi rinci tentang peralatan dan suku cadangnya yang perlu dibeli untuk kegiatan pemeliharaan. Informasi rinci yang secara khusus mengidentifikasi peralatan, termasuk suku cadangnya, harus dimasukkan ke dalam *template* MySAP dengan benar oleh KONTRAKTOR/

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purchase the equipment or spare parts. All parts shall have Part Number to be registered in MySAP template by CONTRACTOR. However, in case the part number is not available, CONTRACTOR shall provide clear information (e.g., serial number, detail specification, model, type, size, and standard). The Plant Maintenance database will upload to MySAP system and shall consist following item:

a. Tagged Major Equipment such as:
   1) Static equipment (vessel, reactor, regenerator, column, drum, heat exchanger, tank, tower, flare, crane, etc.);
   2) Rotating equipment (pump, compressor, steam turbine generator, mixer, agitator, gearbox, engine, etc.);
   3) Combustion equipment (furnace, boiler, heater, incinerator, etc.);
b. Tagged electrical equipment.
c. Tagged instrumentation equipment as well as field Instrument (including Vendor packaged scope) for all equipment.
d. Tagged civil equipment
e. Special items, such as:
   1) Pressure relieve valve
   2) De-superheater
   3) Ejector
   4) Motor Operated Valves (MOV)

KONSULTAN sesuai dengan daftar *material* standar *VENDOR*, yang digunakan PEMILIK untuk membeli peralatan atau suku cadang. Semua bagian harus memiliki Nomor Bagian untuk didaftarkan di templatE MySAP oleh KONTRAKTOR/ KONSULTAN. Namun, jika nomor bagian tidak tersedia, KONTRAKTOR/ KONSULTAN harus memberikan informasi yang jelas (misalnya nomor seri, spesifikasi detail, model, jenis, ukuran, dan standar). *Database* pemeliharaan kilang akan diunggah ke sistem MySAP dan terdiri dari item berikut:

a. Peralatan Utama yang diberi tag seperti:
   1) Peralatan statis (*vessel*, *reactor*, *regenerator*, *column*, *drum*, *heat exchanger*, *tank*, *t*ower, *flare*, *crane* dll.);
   2) *Rotating equipmen*t (*pump*, *compressor*, *steam turbine generator*, *mixer, agitato*r, *gearbox*, *engine*, dll.);
   3) *Combustion equipment* (*furnace, boiler, heater, incinerator,,* dll.);
b. Tagged electrical equipment.
c. *Tagged instrumentation equipment* serta *field Instrument* (termasuk lingkup paket *Vendor*) untuk semua peralatan.
d. *Tagged civil equipment*
e. Item khusus, seperti:
   1) *Pressure relieve valve*
   2) *De-superheater*
   3) *Ejector*
   4) *Motor Operated Valves* (MOV)

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5) Level gauges

6) Big strainer items are that are designed by ASME sect. VIII

7) Slide valve

8) etc.

f. All spare parts included main spare parts and special parts such as nuts, screw, bolt, gasket, seal, etc. shall be registered.

g. Exceptions to the MySAP Database are:

1) Electrical bulk material

2) Instrument bulk material

3) Piping bulk material (e.g., spool & valve in pipeline, etc.)

5) *Level gauges*

6) *Big strainer items* yang dirancang sesuai ASME sect. VIII

7) *Slide valve*

8) dan lain-lain.

f. Semua suku cadang termasuk suku cadang utama dan suku cadang khusus seperti mur, sekrup, baut, paking, seal, dll harus didaftarkan.

g. Pengecualian dari *Database* MySAP adalah:

1) Electrical bulk material

2) Instrument bulk material

3) *Piping bulk material* (seperti *spool* & *valve* dalam pipa, dll.)

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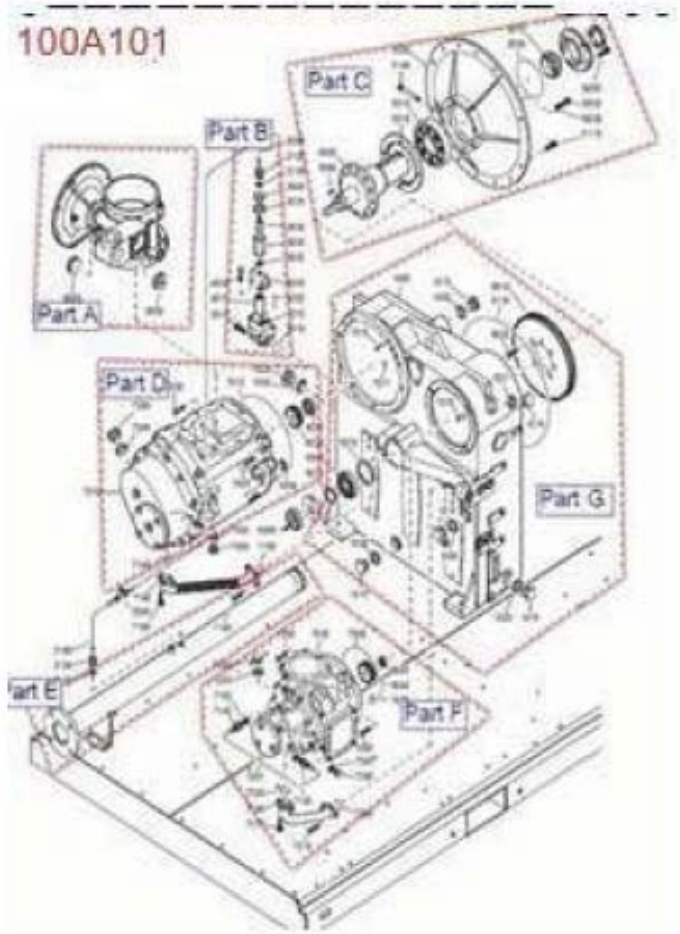

Note :

This is equipment sample with tag number 100A101. Level detail that shall be registered in MySAP included :

1. Main part, comprise :
   a) Part A
   b) Part B
   c) Part C
   d) Part D
   e) Part E
   f) Part F
   g) Part G
2. Small part such as : bolt, nuts, seal or gasket

Picture 1. Sample of Database Conceptual
Gambar 1. Contoh Konseptual Database

This picture is an example of equipment having tag number 100A101 (gearbox) of a steam turbine generator (A-031-01). It is breakdown into seven parts registered in the Bill of Material (BOM).

Gambar ini merupakan contoh peralatan yang memiliki tag nomor 100A101 (gearbox) pada steam *turbine generator* (A-031-01). Peralatan ini dipecah menjadi tujuh bagian yang terdaftar dalam *Bill of Material* (BOM).

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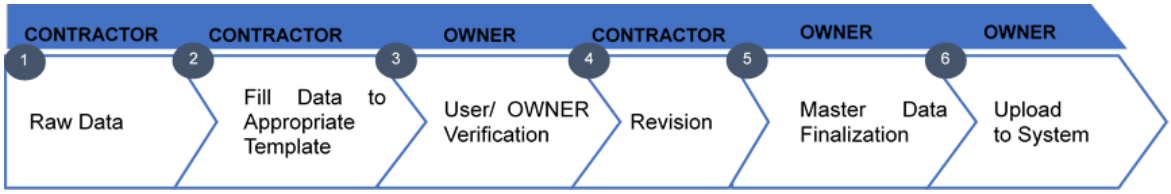
9.1 Database Process

9.1 *Database Process*



Activities on each step:

Step 1 : Collect required data such as As-Built Drawing, P&ID, PFD, Datasheets, Part Lists, Vendor Drawing, and Mechanical Datasheets.

Step 2 : Provide database template, develop and fill all equipment data required into the template.

Step 3 :
- Check the database results that have been prepared by CONTRACTOR/CONSULTANT.
- Check all the equipment lists, Bill of Material, and Maintenance Task List results.

Step 4 :
- Submit the latest document or As-Built Drawing is used as the basis for the development of database.
- Submit the results of filling in the database template of equipment, Bill of Material, and task list in excel format 6 (six) months before Mechanical Completion (MC).

Aktivitas pada setiap langkah:

Langkah 1 : Kumpulkan data yang diperlukan seperti Gambar *As-Built*, P&ID, PFD, *Datasheets*, *Part Lists*, Gambar *Vendor*, dan *Mechanical Datasheets.*

Langkah 2 : Sediakan *template database*, kembangkan dan isi semua data peralatan yang diperlukan ke dalam *template*.

Langkah 3 :
- Periksa hasil *database* yang telah disiapkan oleh KONTRAKTOR/ KONSULTAN.
- Periksa semua daftar peralatan, *Bill of Material*, dan hasil *Maintenance Task List.*

Langkah 4 :
- Menyerahkan dokumen terbaru atau *As-Built Drawing* yang digunakan sebagai dasar pembangunan dan pengembangan *database*.
- Menyerahkan hasil pengisian contoh *database* peralatan, *Bill of Material*, dan *task list* dalam format *excel* 6 (enam) bulan sebelum

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Mechanical Completion (MC).

Step 5 : Ensure all the database equipment, Bill of Material, and Equipment Task Lists have been correct.

Step 6 : Upload to the system after the organization of operation, maintenance, and cost center is set. Equipment criticality rating has been developed by OWNER.

Langkah 5 : Pastikan *database* semua peralatan, *Bill of Material*, dan *Equipment Task Lists* sudah benar.

Langkah 6 : Unggah ke sistem setelah organisasi dari proses operasi, pemeliharaan, dan *cost center* telah ditetapkan. *Equipment criticality rating* telah dikembangkan oleh PEMILIK.

10. PLANT MAINTENANCE DATABASE

10.1 Equipment Master

10.1.1. Equipment Master Template

Equipment master template is a template for inputting data of each equipment installed at the site according to equipment manual books or datasheets. Template for Equipment Master is provided at Attachment 1. There are some fields that should be filled by CONTRACTOR/CONSULTANT, and the other one is filled by OWNER. This responsibility is shown in Attachment 2 (Split of Scope Responsibility Equipment Master). Each field on the Equipment Master template has maximum character (described in Attachment 2).

10. *DATABASE* PEMELIHARAAN KILANG

10.1 *Equipment Master*

10.1.1. *Equipment Master Template*

Equipment Master Template adalah *template* untuk memasukkan data dari masing-masing peralatan yang dipasang di lapangan sesuai dengan buku panduan peralatan atau *datasheets*. *Template* untuk *Equipment Master* tersedia di Lampiran 1. Ada beberapa bagian yang harus diisi oleh KONTRAKTOR/ KONSULTAN, dan satu lagi diisi oleh PEMILIK. Tanggung jawab ini ditunjukkan pada Lampiran 2 (*Split of Scope Responsibility Equipment Master*). Setiap Bagian pada template *Equipment Master* memiliki maksimum karakter (dijelaskan di Lampiran 2).

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10.1.2. Equipment Master Template Input

How to input database to the template is described below:

a. Field 1, Equipment tag Number

This column is filled with equipment tag number according to P&ID or Datasheet. Add/ 00 at the end of tag number for the first-time installation or/ 01 at the end of tag number for the second-time installation (replacement with different specifications).

Example: K-3-02A/00: New Compressor Hydrogen Makeup (first time installed)

K-3-02A/01: Revamp Compressor Hydrogen Makeup

b. Field 2, Equipment Category

Equipment Category is the type of equipment, which are distinguished as follows:

- R: Rotating Equipment
- N: Stationary Equipment including piping
- I: Instrumentation Equipment category
- E: Electrical Equipment category
- C: Civil
- L: Static/ Linear Equipment (Pipeline, Electrical Line, Instrument Line, Road)

10.1.2. *Equipment Master Template Input*

Cara penginputan database ke template dijelaskan di bawah ini:

a. Field 1, Equipment tag Number

Kolom ini diisi dengan tag number peralatan sesuai P&ID atau *Datasheet*. Tambahkan/ 00 di akhir tag number untuk pemasangan pertama kali atau/ 01 di akhir tag number untuk pemasangan kedua kali (penggantian dengan spesifikasi berbeda).

Contoh : K-3-02A/00 : *New Compressor Hydrogen Makeup* (pertama kali dipasang)

K-3-02A/01: *Revamp Compressor Hydrogen Makeup*

b. Field 2, Equipment Category

Equipment Category merupakan jenis peralatan yang dapat dibedakan sebagai berikut:

- R: *Rotating Equipment*
- N: *Stationary Equipment* termasuk perpipaan
- I: *Instrumentation Equipment category*
- E: *Electrical Equipment category*
- C: *Civil*
- L: *Static/ Linear equipment* (*Pipeline*, *Electrical Line*, *Instrument Line*, Jalan)

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Example: Pump → R (assigned as Rotating Equipment)

KO Drum → N (assigned as Stationary category)

c. Field 4, Description

The description of a technical object is in the form of short text as per Equipment Data Sheet.

Example: Hydrogen Make-Up Compressor

d. Field 6, Weight

This column is the weight of the equipment at the time it is initially installed. If there is no exact data, an accurate estimation can be used.

Example: 150; 42,7 (use comma if it contains a decimal)

e. Field 7, UOM (Unit of Measurement)

This column is filled with the unit of weight corresponding to column 6, with a maximum of 3 (three) characters. When it has more than three, it should be converted to a weight unit that has three characters. List for UOM available:

- G
- MG
- KG
- MM
- KT
- MT
- TON
- OZ
- LB

Contoh: Pompa → R (ditetapkan sebagai *Rotating Equipment*)

KO Drum → N (ditetapkan sebagai *Stationary category*)

c. *Field 4*, Deskripsi

Deskripsi suatu obyek teknis berupa teks singkat sesuai *Equipment Data Sheet*.

Contoh: *Hydrogen Make-Up Compressor*

d. Field 6, Weight

Kolom ini adalah berat peralatan pada saat pertama kali dipasang. Jika tidak ada data pasti, estimasi yang akurat dapat digunakan.

Contoh: 150; 42,7 (gunakan koma jika berisi desimal)

e. *Field 7*, UOM (*Unit of Measurement*)

Kolom ini diisi dengan satuan bobot sesuai kolom 6, dengan maksimal 3 (tiga) huruf. Jika memiliki lebih dari tiga huruf, harus diubah menjadi satuan bobot yang memiliki tiga karakter. List untuk UOM tersedia:

- G
- MG
- KG
- MM
- KT
- MT
- TON
- OZ
- LB

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- STO - LB6
- TO - LTO

Example: KG for Kilogram.

Do not use any other UOM other than provided in the above list.

f. Field 9, Size/ Dimension

This column is filled with size and dimension, either length, or volume, or area, whichever representative. The dimension should be H x L x W (Height x Length x Width). The maximum character is 18.

Example: 10x1x10m (unit of measure shall be written after width).

g. Field 10, Start-Up Date

This column is filled with the date that the equipment commences operation and written on DD.MM.YYYY format.

Example: 23.06.2023 → Equipment started on 23rd June 2023.

h. Field 11, Acquisition Value

This column is filled with the value of the equipment at the time of acquisition with a maximum of 17 characters.

Example: 900,000,000.00

i. Field 12, Currency

This column is filled with the currencies used in column No. 11, with the number of available characters is 4 (four)

- STO - LB6
- TO - LTO

Contoh: KG untuk Kilogram.

Jangan gunakan UOM lain selain yang disediakan dalam daftar di atas.

f. *Field 9*, Ukuran/ Dimensi

Kolom ini diisi dengan ukuran dan dimensi, baik panjang, volume, atau luas, yang manapun yang representatif. Dimensi harus H x L x W (Tinggi x Panjang x Lebar). Karakter maksimum adalah 18.

Contoh: 10x1x10m (satuan ukuran ditulis setelah lebar).

g. Field 10, Start-Up Date

Kolom ini diisi dengan tanggal peralatan mulai beroperasi dan ditulis dalam format DD.MM.YYYY.

Contoh: 23.06.2023 → Peralatan dimulai pada tanggal 23 Juni 2023.

h. Field 11 Acquisition Value

Kolom ini diisi dengan nilai peralatan pada saat akuisisi dengan jumlah maksimum 17 karakter.

Contoh: 900.000.000,00

i. *Field 12*, Mata uang

Kolom ini diisi dengan mata uang yang digunakan pada kolom No. 11, dengan jumlah karakter yang tersedia adalah 4

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characters.

Example:USD, IDR.

j. Field 13, Acquisition Date

In this column, the date of acquisition is filled by the Purchase Order (PO) date and written on DD.MM.YYYY format.

Example: 01.10.2008.

k. Field 17, Catalogue Profile

This column is filled by referring to Attachment 3 (Table Catalogue Profile).

Example: 0101 : for Cone Roof Tank Atmospheric.

1801: for Centrifugal Pump, Overhung Imp.

l. Field 28, Functional Location

An organizational unit in logistics that structures the maintenance objects of a company according to functional, process-oriented, or spatial criteria. A functional location represents the place at which a maintenance task is performed.

Function Location Level Consist Of:

Level 1 : RU05 (Refinery Unit)

Level 2 : RU05-HCC (Area Unit)

Level 3 : RU05-HCC -HCUC (Production Unit)

Level 4 : RU05-HCC-HCUC-

(empat) karakter.

Contoh:USD, IDR.

j. Field 13, Acquisition Date

Pada kolom ini, tanggal akuisisi diisi dengan tanggal *Purchase Order* (PO) dan ditulis dengan format DD.MM.YYYY.

Contoh: 01.10.2008.

k. Field 17, Catalogue Profile

Kolom ini diisi dengan mengacu pada Lampiran 3 (Tabel *Catalogue Profile*).

Contoh: 0101 : untuk *Cone Roof Tank Atmospheric*.

1801: untuk Pompa Sentrifugal, *Overhung Imp*.

l. Field 28, Functional Location

Unit organisasi dalam logistik yang menyusun objek pemeliharaan perusahaan menurut kriteria fungsional, berorientasi proses, atau spasial.

Functional Location mewakili tempat di mana tugas pemeliharaan dilakukan.

Level 1 : RU05 (*Refinery Unit*)

Level 2 : RU05-HCC (*Area Unit*)

Level 3 : RU05-HCC -HCUC (*Production Unit*)

Level 4 : RU05-HCC-HCUC-

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MAKEUP (Sub Production Unit)

Level 5 : K-3-02A (Functional Location)

Notes:

1) For Level 1, 2, 3, 4 responsibilities by OWNER

2) For Level 5 responsibility by CONTRACTOR/ CONSULTANT

3) For Sub-equipment in Package, Function Location follow main equipment

Example:

For Compressor Equipment:

Function Location = K-3-02A

Tag Number = K-3-02A/00

m. Field 29, Superior Equipment

A technical object is comprising several pieces of equipment. The equipment is assigned to the Superior Equipment.

n. Field 31, Technical Identification No.

Any Vendor technical drawing number which can be:

1. "General Arrangement Drawing" or
2. "Cross Section Drawing" or
3. "Assembly Drawing".

MAKEUP (*Sub Production Unit*)

Level 5 : K-3-02A (Functional Location)

Catatan:

1) Untuk Tanggung jawab *Level* 1, 2, 3, 4 oleh PEMILIK

2) Untuk Tanggung jawab Level 5 oleh KONTRAKTOR/ KONSULTAN

3) Untuk Sub-peralatan dalam Paket, *Function Location* mengikuti peralatan utama

Contoh:

Untuk Peralatan Kompresor :

Function Location = K-3-02A

Tag Number = K-3-02A / 00

m. Field 29, Superior Equipment

Suatu benda teknis yang terdiri dari beberapa buah peralatan. Peralatan tersebut dikelompokkan ke *Superior Equipment*.

n. *Field 31, Technical Identification No*.

Nomor gambar teknis *Vendor* yang dapat berupa:

1. "*General Arrangement Drawing*" atau
2. "*Cross Section Drawing*" atau
3. "*Assembly Drawing*".

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related to the equipment. Please note that General Arrangement Drawing is a preferred option. The maximum number of characters that are allowed as many as 25 characters (As-Built Drawing).

Example: DWG.H-51331

o. Field 33, Manufacturer

This column's contents are the Manufacturer of the equipment, the amount of allowable character as much as 30 characters if the Manufacturer's name exceeds 30 characters can be the cutting of a general nature.

Example: Mitsubishi

p. Field 34, Model/ Type

This column is the content model or type of equipment.

Example: Model K-120

q. Field 35 Manufacturer Part Number

This column is filled with Manufacturer Part No. It only allowed a maximum of 30 characters. If there is no Manufacturer Part No., no need to be filled as not every Manufacturer has such a Manufacturer Part No.

Example: M1223MF

r. Field 36, Manufacturer Serial Number

terkait dengan peralatan. Harap dicatat bahwa General *Arrangement Drawing* adalah opsi yang lebih disukai. Jumlah maksimal karakter yang diperbolehkan sebanyak 25 karakter (*As-Built Drawing*).

Contoh: DWG.H-51331

o. *Field 33*, Pabrikan

Isi kolom ini adalah Pabrikan peralatan, jumlah karakter yang diijinkan sebanyak 30 karakter, jika nama Pabrikan melebihi 30 karakter bisa jadi pemotongan yang bersifat umum.

Contoh: Mitsubishi

p. Field 34, Model / Tipe

Kolom ini berisi model atau tipe peralatan.

Contoh: Model K-120

q. Field 35 Manufacturer Part Number

Kolom ini diisi dengan *Manufacturer Part Number*. Hanya boleh diisi maksimal 30 karakter. Jika tidak ada *Manufacturer Part Number*, tidak perlu diisi karena tidak semua Pabrikan memiliki *Manufacturer Part Number* tersebut.

Contoh: M1223MF

r. Field 36, Manufacturer Serial Number

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This column is filled with the serial number of the equipment.

Example: KL1219999

s. Field 37, Manufacturer Origin Country

This column is filled with the country of manufacture origin by using the country abbreviation.

Example: US

t. Field 38, Construction Years

This column is filled with the manufactured date (year) of the equipment.

Example: 1992

u. Field 39, Construction Month

This column states the month of the equipment installation with a maximum of 2 (two) characters.

Example: 04

v. Field 40 - 43,

This column is used only for pipelines. Pipeline segmentation data collection is based on length (start and end door points) for that segment, where division represents how long it goes to which area/ unit.

Kolom ini diisi dengan nomor seri peralatan tersebut.

Contoh: KL1219999

s. *Field 37 Manufacturer Origin Country*

Kolom ini diisi dengan negara asal pabrikan dengan menggunakan singkatan negara.

Contoh: US

t. Field 38, Construction Years

Kolom ini diisi dengan tanggal pembuatan (tahun) peralatan.

Contoh: 1992

u. Field 39, Construction Month

Kolom ini mencantumkan bulan pemasangan peralatan maksimal 2 (dua) karakter.

Contoh: 04

v. Field 40 - 43,

Kolom ini hanya digunakan untuk pipeline. Pengumpulan data segmentasi pipa didasarkan pada panjang (*start and end door points*) untuk segmen tersebut, di mana pembagian mewakili berapa panjang ke area/ unit yang dimaksud.

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10.2 Material Master

10.2.1. Material and Bill of Material Master Template

The material template is provided in Attachment 4 that is used for inputting material specification for equipment. In this template, CONTRACTOR/ CONSULTANT shall confirm to VENDOR the correctness of material specification and ensure it stated on drawing. Bill of Material (BOM) template is used for inputting material that used on specific equipment and shown in Attachment 4. Split of scope responsibility BOM is shown in Attachment 5.

10.2.2. Material Template Input

a. Field 1, Equipment tag Number

This column is filled with equipment tag number according to P&ID or Datasheet. Add/ 00 at the end of tag number for the first-time installation or/ 01 at the end of tag number for the second-time installation (replacement with different specifications).

Example : K-3-02A/00 : New Compressor Hydrogen Makeup (first time installed)

K-3-02A/01: Revamp Compressor Hydrogen Makeup

b. Field 2, Material Number/

10.2 *Material Master*

10.2.1. *Material* dan *Bill of Material Master Template*

Template *material* disediakan pada Lampiran 4 yang digunakan untuk memasukkan spesifikasi *material* untuk peralatan. Dalam *template* ini, KONTRAKTOR/KONSULTAN harus mengkonfirmasikan kepada *VENDOR* kebenaran spesifikasi *material* dan memastikannya tertera pada gambar. *Template Bill of Material* (BOM) digunakan untuk menginput *material* yang digunakan pada *equipment* tertentu dan ditampilkan pada Lampiran 4. Pembagian tanngung jawab BOM ditampilkan pada Lampiran 5.

10.2.2. *Material Template Input*

a. *Field 1, Equipment tag Number*

Kolom ini diisi dengan *equipment tag number* sesuai P&ID atau *Datasheet*. Tambahkan/ 00 di akhir *tag number* untuk pemasangan pertama kali atau/ 01 di akhir nomor tag untuk pemasangan kedua kali (penggantian dengan spesifikasi berbeda).

Contoh: K-3-02A/00: *Makeup* Hidrogen Kompresor Baru (pertama kali dipasang)

K-3-02A/01: *Revamp Compressor Hydrogen Makeup*

b. *Field 2, Material Number/*

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Components

EPC Contractor to fill with relevant material dummy number as listed in tab Material. Material or component listed in tab Material will be assigned its material number at the later stage of the project. EPC Contractor/ Consultant assigns Dummy Number for the respective component/material within the project with the OWNER MySAP numbering system.

c. Field 3, Description

This column is filled with the description of spare part/ material, refers to the list of equipment/ parts of the manufacturer/ vendor.

Example 1:

- PULLEY, DRIVEN, W/BUSH, PN.148-14 MGT-40
- GASKET, SW, GRAP, 10IN, 150LB,HP/ IR/ OR:SS304

d. Field 4, Noun, Modifier

This is filled with the noun of the description of BOM, and the modifier of a noun of description of BOM. See Noun Modifier Table on Attachment 6 for detail.

Example: O-RING, MISC

e. Field 5, Part Number

This column is filled with “Y” if the specification material refers to the part number and

Components

Kontraktor EPC mengisi dengan nomor *dummy material* yang relevan seperti yang tertera di *tab Material*. *Material* atau komponen yang terdaftar di *tab Material* akan diberi nomor *material*nya pada tahap proyek selanjutnya. Kontraktor/ Konsultan EPC menggunakan Nomor *Dummy* yang ditetapkan untuk masing-masing komponen/ *material* dalam proyek dengan sistem MySAP PEMILIK.

c. *Field 3, Description*

Kolom ini diisi dengan keterangan suku cadang/ *material*, mengacu pada daftar peralatan/ suku cadang dari pabrikan/ *vendor*.

Contoh 1:

- PULLEY, DRIVEN, W/BUSH, PN.148-14 MGT-40
- GASKET, SW, GRAP, 10IN, 150LB,HP/ IR/ OR:SS304

d. *Field 4, Noun, Modifier*

Bagian ini diisi dengan kata benda dari deskripsi BOM, dan pengubah kata benda dari deskripsi BOM. Lihat Tabel Noun Modifier pada Lampiran 5 untuk detailnya.

Contoh: O-RING, MISC

e. *Field 5, Part Number*

“Y” jika spesifikasi *material* mengacu pada *part number* yang spesifik hanya

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is specific only produced by the Original Equipment Manufacturer (OEM). To be categorized as spare parts (Field 4 : Y), please Filled Spare Part Field (Filled 6-14).

This column is filled with “N” if this type of material whose specifications can be described generally in the noun modifier table (Attachment 6), complete characteristics according to industry standards, and does not lead to a specific brand.

If the material to be categorized as general material (Field 4: N), please fill Characteristic Field (Filled 15-32)

To be categorized as spare parts, it must have:

- Part for
- Model/ type
- Size/ dimension
- Serial no.
- Part No. Or drawing number and item number.
- Manufacture

dikeluarkan oleh *Original Equipment Manufacturer* (OEM). Untuk dikategorikan sebagai suku cadang (*Field* 4: Y), silahkan Diisi pada bagian suku cadang (Diisi pada 6-14).

Kolom ini diisi dengan “N” jika jenis *material* yang spesifikasinya dapat dijelaskan secara umum pada tabel *noun modifier* (Lampiran 6), karakteristik lengkap sesuai standar industri, dan tidak mengarah pada merek tertentu.

Jika material yang akan dikategorikan sebagai *material* umum (*Field* 4: N), isilah pada Kolom Karakteristik (Diisi pada15-32)

Untuk dapat dikategorikan sebagai suku cadang, harus memiliki:

- *Part for*
- Model/ tipe
- Ukuran/ dimensi
- No seri.
- *Part No*. Atau *drawing number* dan *item number*.
- Pabrik

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Description	Noun	Modifier	Spare part
IMPELLER, PN.218080 BF	Impeller	Micsc	- PART FOR : PUMP, CENT, OVERHUNG IMPELLER - MODEL TYPE : SJA; SJ; HSJ - SIZE / DEIMENSION : 1.1/2 X 2 X 10.1/2; 1.1/2X2X10.1/2H; 1X1.1/2X7.1/4L - SERIAL NUMBER : 731-L-0613; 731L0719; 731-L-0721; 731-L-0722; 731-L-0723; 731-L-0730; 731-L-0742; 731-L-0743; - DRAWING NUMBER : 1C - 3344; IF-6749 - MANUFACTURE : BYRON JACKSON"

f. Field 6, Part for

This column is filled with the main equipment on which the spare parts are installed.

Example: PUMP, CENT, OVERHUNG IMPELLER

g. Field 7, Model / Type

This column is filled with the model/ type of the equipment/ part refers to the part list of the Manufacturer/ Vendor.

Example : PUMP-HPX 6000

h. Field 8, Size/ Dimension

This column is filled with the general specification, size, or dimension of the equipment/ part refers to the part list of the Manufacturer/ Vendor.

Example: 3IN600X2IN600X473

f. *Field 6, Part for*

Kolom ini diisi dengan peralatan utama tempat pemasangan suku cadang.

Contoh: PUMP, CENT, OVERHUNG IMPELLER

g. *Field 7, Model / Type*

Kolom ini diisi dengan model/ tipe peralatan/ bagian mengacu pada *part list* dari Pabrikan/ *Vendor*.

Contoh : PUMP-HPX 6000

h. *Field 8, Size / Dimension*

Kolom ini diisi dengan spesifikasi umum, ukuran, atau dimensi dari peralatan/ bagian mengacu pada *part list* dari Pabrikan/ *Vendor*.

Contoh: 3IN600X2IN600X473

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i. Field 9, Serial Number

This column is filled with the serial number of equipment.

Example: 92641-1;92641-2;92641-3

j. Field 10, Part Number

This column is filled with the part identification number assigned in Manufacture Drawing.

Example: D696663

k. Field 11, Drawing Number

This column is filled with Manufacture Drawing number for the corresponding material.

Example: DWG.V-2173-101-AJ-101_5,PG 10,11

l. Field 12, Item Number

Item identification the sequence of a part in Manufacturer drawing. May left blank if Part Number and drawing number is assigned/filled. If Part Number is left blank, Drawing Number and Item Number shall not be left blank.

m. Field 13, Manufacturer

This column is filled with the manufacture of equipment.

Example: FLOWSERVE

n. Field 15-32

If Field 4 is filled with “N”, it means the BOM is general material, so it should be equipped with all data

i. *Field 9, Serial Number*

Kolom ini diisi dengan *serial number equipment*.

Contoh: 92641-1; 92641-2; 92641-3

j. *Field 10, Part Number*

Kolom ini diisi dengan nomor identifikasi bagian yang ditetapkan pada *Manufacture Drawing*.

Contoh: D696663

k. *Field 11, Drawing Number*

Kolom ini diisi dengan *Manufacture Drawing number* untuk *material* yang bersangkutan.

Contoh: DWG.V-2173-101-AJ-101_5, PG 10,11

l. *Field 12, Item Number*

Identifikasi item untuk urutan bagian dalam gambar Pabrikan. Boleh dikosongkan jika *Part Number* dan *drawing number* sudah ditentukan/ diisi. Jika *Part Number* dikosongkan, *Drawing Number* dan *Item Number* wajib diisi.

m. *Field 13, Manufacturer*

Kolom ini diisi dengan pabrikan peralatan.

Contoh: FLOWSERVE

n. *Field 15-32*

Jika Field 4 diisi dengan “N”, artinya BOM adalah *material* umum, sehingga harus dilengkapi dengan semua

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characteristics in accordance with the noun modifiers table (Attachment 6).

karakteristik data yang sesuai dengan tabel *noun modifiers* (Lampiran 6).

Description	Noun	Modifier	Characteristic
Grid Member	Gasket	Spiral Wound	Characteristic 1 : Winding Mat.: Spiral Wound Characteristic 2 : Filler Material : Graphite Characteristic 3 : Inner Ring Material : SS304 Characteristic 4 : Inner Ring Material : SS304 Characteristic 5 : Style : Inner and Outer Ring Characteristic 6 : Pipe Size : 10N Characteristic 7 : Thickness of Filler : 4,5MM Characteristic 8 : Thickness of Ring : 3.2 MM Characteristic 9 : Std. of Dim : ANSI B16.20 Characteristic 10 : Pressure Rating : 150LB Characteristic 11 : Size : 10N Characteristic 12 : Additional Detail : -

o. Field 33, PO Text

This field will automatically be filled in accordance with the data in the material column or the spare part column.

o. *Field 33, PO Text*

Bagian ini otomatis terisi sesuai dengan data pada kolom *material* atau kolom suku cadang.

10.2.3. Bill of Material Template Input

a. Field 1, Equipment Number

This column is filled with equipment tag number according to P&ID or Datasheet. Add/ 00 at the end of tag number for the first-time installation or/ 01 at the end of tag number for the second-time installation (replacement with different specification).

Example : K-3-02A/00 : New Compressor Hydrogen Makeup (first time installed)

K-3-02A/01 : Revamp Compressor Hydrogen Makeup

10.2.3. *Bill of Material Template Input*

a. *Field 1, Equipment Number*

Kolom ini diisi dengan equipment tag number sesuai P&ID atau *Datasheet*. Tambahkan/ 00 di akhir *tag number* untuk pemasangan pertama kali atau/ 01 di akhir *tag number* untuk pemasangan kedua kali (penggantian dengan spesifikasi berbeda).

Contoh: K-3-02A/00: *New Compressor Hydrogen Makeup* (pertama kali dipasang)

K-3-02A/01 : *Revamp Compressor Hydrogen Makeup*

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b. Field 2, Plant

This column is filled with a plant in which the technical objects of a company are installed. Fill with: R501 (which represents Unit V Balikpapan).

c. Field 3, BOM Usage

This fields defines the area (such as engineering/ design or production) where a BOM can be used. The used number is code for Plant Maintenance. Do not use another number other than provided in the template.

d. Field 4, Valid From

Specific the start date for the validity period of an object, with the DD.MM.YYYY.

Example: 31.03.2017

e. Field 5, BOM Item Number

The content of this column is the sequence number of items BOM or parts list of equipment.

Example: 0010

0020

f. Field 6, Item Category

Item category is filled with the category of the equipment stock needs, wheather for Stock Item (L) or Non-stock Item (N).

Example: L = Stock Item

b. *Field 2, Plant*

Kolom ini diisi dengan kilang yang merupakan obyek teknis perusahaan yang dipasang. Isi dengan: R501 (mewakili Unit V Balikpapan).

c. *Field 3, BOM Usage*

Field ini mendefinisikan area (seperti teknik/ desain atau produksi) di mana BOM dapat digunakan. Nomor yang digunakan adalah kode untuk pemeliharaan kilang. Jangan gunakan nomor lain selain yang disediakan di *template*.

d. *Field 4, Valid From*

Menentukan tanggal mulai masa berlaku suatu objek, dengan DD.MM.YYYY.

Contoh: 31.03.2017

e. *Field 5, BOM Item Number*

Isi kolom ini adalah nomor urut item BOM atau daftar bagian peralatan.

Contoh: 0010

0020

f. *Field 6, Item Category*

Item Category diisi dengan kategori kebutuhan stok peralatan, apakah untuk *Item Stok* (L) atau *Item Non Stok* (N).

Contoh: L = *Stock Item*

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g. Field 7, Material Number/ Component

This field is a material number of the components. Fill with a relevant material dummy as listed in "Material Template." Field 7 refers to Field 18.

Example:

Field 7 : Dummy 000001

Field 18 : Dummy 000001

h. Field 8, Quantity

This column is filled with the amount of material/ parts installed on the equipment.

i. Field 9, Unit of Measurement (UOM)

This column is filled with units of the number of materials/parts of equipment installed.

Example: PCS, SET

j. Field 10, Sort String

String, which can be defined as required for sorting components for display.

Example:

- RDMP RU5 for greenfield equipment
- RDMP Revamp for brownfield equipment

k. Field 11, Item Text Line 1

Both spare parts and bulk materials must still be filled.

g. *Field 7, Material Number/ Component*

Field ini adalah *material number* dari komponen. Diisi dengan *material dummy* yang sesuai seperti yang tercantum di " *Material Template* ". *Field* 7 mengacu pada *Field* 18.

Contoh:

Field 7 : *Dummy* 000001

Field 18 : *Dummy* 000001

h. *Field 8, Quantity*

Kolom ini diisi dengan jumlah *material/* bagian yang terpasang pada peralatan.

i. *Field 9, Unit of Measurement* (UOM)

Kolom ini diisi dengan satuan jumlah *material/* bagian peralatan yang dipasang.

Contoh: PCS, SET

j. *Field 10, Sort String*

String, yang dapat didefinisikan sesuai kebutuhan untuk menyortir komponen untuk tampilan.

Contoh:

- RDMP RU5 untuk peralatan *greenfield*
- RDMP *Revamp* untuk peralatan *brownfield*

k. *Field 11, Item Text Line 1*

Baik suku cadang maupun bulk materials harus tetap diisi.

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- For spare part, Item Text Line 1 consists of Description (name of part/ material & type or model of material/ part), Part Number/ Item Number.

  Example for Spare part: PULLEY, DRIVEN, W/BUSH, PN.148 -14MGT-40

- For General Material, Item Text Line 1 consists of Short Text Characteristic of General Material in the material template, which contains detailed specifications of the material in accordance with those listed in the material template. There are no specific rules in making short text.

  Example for General Material based on Field 15-32 on Material Template:

- Untuk suku cadang, *Item Text Line* 1 terdiri dari deskripsi (nama bagian/ *material* & tipe atau model *material*/ bagian), *Part Number*/ *Item Number*,

  Contoh suku cadang: PULLEY, DRIVEN, W / BUSH, PN.148-14MGT-40

- Untuk material Umum, Item Text Line 1 terdiri dari karakteristik teks Singkat dari Material Umum pada template material, yang memuat detail spesifikasi material sesuai dengan yang tercantum di template material. Tidak ada aturan khusus dalam membuat teks singkat.

  Contoh *Material* Umum berdasarkan *Field* 15-32 pada *Template Material*:

Description	Noun	Modifier	Characteristic
Grid Member	Gasket	Spiral Wound	Characteristic 1 : Winding Material : Spiral Wound Characteristic 2 : Filler Material : Graphite Characteristic 3 : Inner Ring Material : SS304 Characteristic 4 : Inner Ring Material : SS304 Characteristic 5 : Style : Inner and Outer Ring Characteristic 6 : Pipe Size : 10N Characteristic 7 : Thickness of Filler : 4,5MM Characteristic 8 : Thickness of Ring : 3.2 MM Characteristic 9 : Standard of Dimension : ANSI B16.20 Characteristic 10 : Pressure Rating : 150LB Characteristic 11 : Size : 10N Characteristic 12 : Additional Detail : -

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Short text in Item Text Line 1 becomes:

GASKET, SW, GRAP, 10IN, 150LB, HP/ IR/ OR:SS304

l. Field 12, Item Text Line 2

This column is filled with the description of material or part, which provides information consisting of Technical Drawing Number.

Example: DWG.KR20-1-42-REV.R3,IT.31

DWG : Drawing

KR20-1-42-REV.R3 : Drawing Number

IT : Item Number

31 : Item or post number, which indicated the spare part.

m. Field 14, Assembly Indicator

This indicator shows that this item is part of a technical object (assembly) for which maintenance tasks are planned and carried out.

Example: x is part of assembly

Empty is not part of assembly

n. Field 15, installation Point

This column is filled with installation point for the partial quantity of a BOM item.

o. Field 16, Sub-item Quantity

This fields gives the quantity of

Short text di *Item Text Line* 1 menjadi:

GASKET, SW, GRAP, 10IN, 150LB, HP / IR / OR: SS304

l. *Field 12, Item Text Line 2*

Kolom ini diisi dengan uraian material atau bagian yang memuat informasi berupa *Technical Drawing Number*.

Contoh: DWG.KR20-1-42-REV.R3, IT.31

DWG: *Drawing*

KR20-1-42-REV.R3: *Drawing Number*

IT: *Item Number*

31: Item atau post number, yang menunjukkan suku cadang.

m. *Field 14, Assembly Indicator*

Indikator ini menunjukkan bahwa item ini adalah bagian dari objek teknis (*assembly*) yang tugas pemeliharaannya direncanakan dan dilakukan.

Contoh: x adalah bagian *assembly*

Kosong bukan bagian *assembly*

n. *Field 15, installation Point*

Kolom ini diisi dengan *installation point* untuk partial *quantity item* BOM.

o. *Field 16, Sub-item Quantity*

Field ini memberikan kuantitas

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the sub-item for an item. The sum of all sub-item quantities is the item quantity.

p. Field 17, Sub-item Text

The text describes the sub-item.

10.3 Maintenance Strategy

10.3.1. Development of Maintenance Strategy

a. CONTRACTOR/ CONSULTANT shall provide related documentation for developing a task list for maintenance activities.

b. First inspection and maintenance strategies for new equipment at project refer to Operation/Maintenance Manual books or Vendor's experiences or Risk Based Inspection (RBI) method.

c. The determination of duration and which equipment shall be performed maintenance can be obtained by RBI method.

d. The maintenance strategies shall consider the equipment criticality rating obtained by Reliability, Availability, and Maintainability (RAM) study or Equipment Criticality Assessment (ECA) at new/ existing with similar equipment. OWNER shall perform equipment criticality rating. Risk Assessment Matrix (RAM) for ECA on

sub-item dari sebuah *item*. Jumlah semua kuantitas *sub-item* adalah sama dengan kuantitas *item*.

p. *Field 17, Sub-item Text*

Teks yang menjelaskan tentang *sub-item*.

10.3 Strategi Pemeliharaan

10.3.1. Pembuatan Strategi Pemeliharaan

a. KONTRAKTOR/ KONSULTAN harus menyediakan dokumentasi terkait untuk mengembangkan *task list* untuk kegiatan pemeliharaan.

b. Inspeksi pertama dan strategi pemeliharaan untuk peralatan baru di proyek mengacu pada buku Manual Operasi/ Pemeliharaan atau pengalaman *Vendor* atau metode Inspeksi Berbasis Risiko (RBI).

c. Penentuan durasi dan pemeliharaan peralatan mana yang akan dilakukan dapat diperoleh dengan metode RBI.

d. Strategi pemeliharaan harus mempertimbangkan equipment criticality rating yang diperoleh dari studi *Reliability*, *Availability*, dan *Maintainability* (RAM) atau *Equipment Criticality Assessment* (ECA) pada peralatan baru/yang sudah ada dengan peralatan serupa. PEMILIK harus melakukan *equipment criticality* rating. *Risk Assessment Matrix* (RAM) untuk ECA terdapat

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Attachment 9.

e. Maintenance strategies for new equipment can be classified as Preventive Maintenance, Predictive Maintenance (Condition Monitoring), and Breakdown Maintenance (Run to Failure).

f. Preventive and predictive maintenance shall be consisting of activities/tasks, duration, and period (interval).

g. CONTRACTOR/ CONSULTANT shall develop maintenance task lists and input to the template that is provided by OWNER.

h. Maintenance task lists are submitted by CONTRACTOR/ CONSULTANT will be combined with OWNER's existing maintenance task lists and historical data of similar equipment at refinery unit.

10.3.2. Maintenance Task List Template

a. Field 1 - 2, Equipment Tag Number

Fill only 1 out of 2 fields. If the task is specific for certain equipment, then fill Field 1 Equipment Number and left blank Field 2 Group of General Task List.

Template for maintenance task lisk is shown in Attachment 7. Scope of Scope Responsibility Task List is

pada Lampiran 9.

e. Strategi pemeliharaan untuk peralatan baru dapat diklasifikasikan sebagai *Preventive Maintenance*, *Predictive Maintenance* (*Condition Monitoring*),dan *Breakdown Maintenance* (*Run to Failure*).

f. Preventive dan *predictive maintenance* harus terdiri dari kegiatan/ tugas, durasi, dan periode (*interval*).

g. KONTRAKTOR/ KONSULTAN harus mengembangkan *maintenance task lists* dan memasukan ke *template* yang disediakan oleh PEMILIK.

h. *Maintenance task lists* yang diserahkan oleh KONTRAKTOR/ KONSULTAN akan digabungkan dengan *maintenance task lists* yang dimiliki oleh PEMILIK dan data historis peralatan serupa di unit kilang.

10.3.2. *Maintenance Task List Template*

a. *Field 1 - 2, Equipment Tag Number*

Isi hanya 1 dari 2 bagian. Jika tugas dikhususkan untuk peralatan tertentu, maka isikan hanya *Field 1 Equipment Number* dan *Field 2 Group of General Task List* dikosongkan. *Template* untuk maintenance task lisk ditampilkan di Lampiran 7. Pembagian tanggung jawab

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shown in Attachment 8.

If tasks are a general task applicable for one or more equipment, then Field 1 is left blank and fill Field 2 Group of General Task List with a mutual term for both equipment.

Example : Filed 1 : 11-P23-AM/00

b. Field 3, Group Counter

Fill with number 1 to 4 with the following legend:

1 = Task list Routine

2 = Overhaul

3 = Turn Around

4 = Certification

Calibration of Instrument Part (Pressure Indicator, Temperature Indicator, etc.) includes in Task List Routine. Certification is used on equipment that requires Certificate from the external organization.

c. Field 4, Description

Put description with the following syntax:

"PM XX: Equipment Type, Unit Number, Equipment Number"

With

XX is Group Centre: RT (Routine) or TA (Turn Around) or OH (Overhaul) or CE

lingkup Task list ditampilkan di Lampiran 8.

Jika tugas merupakan tugas umum yang berlaku untuk satu atau lebih peralatan, maka *Field 1* dikosongkan dan *Field 2 Group of General Task List* diisi dengan istilah yang sama untuk kedua peralatan tersebut.

Contoh: Field 1: 11-P23-AM/00

b. *Field 3, Group Counter*

Isi dengan angka 1 sd 4 dengan keterangan sebagai berikut:

1 = *Task list Routine*

2 = *Overhaul*

3 = *Turn Around*

4 = *Certification*

Kalibrasi *Part* Instrumen (Indikator Tekanan, Indikator Suhu, dll.) Termasuk dalam *Task List Routine*. Sertifikasi digunakan pada peralatan yang membutuhkan Sertifikat dari organisasi eksternal.

c. *Field 4,* Deskripsi

Masukan deskripsi dengan sintaks berikut:

"PM XX: Tipe Peralatan, Nomor Unit, Nomor Peralatan"

Dengan

XX adalah *Group Center*: RT (*Routine*) atau TA (*Turn Around*) atau OH (*Overhaul*)

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(Certification)

Equipment Type: Motor, Pump, etc.

Example:

PM RT : MTR,FOC I/11P23AM

For General Task List, Put Description with the following syntax:

PM XX: Equipment Type where XX is the Group Counter Name

Example:

PM OH: Centrifugal Pump

d. Field 5, Work Centre

A work center that is in charge when a maintenance task is performed.

e. Field 6 - 8,

OWNER Responsibility.

f. Field 9, Status

1 Created

2 Released for order

3 Released for costing

4 Released (general)

g. Field 10, System Condition

Condition of Equipment during maintenance activity. Filled in:

0 → is not in operation

1 → is in operation

h. Field 11, Maintenance

atau CE (*Certification*)

Jenis Peralatan: Motor, Pompa, dll.

Contoh:

PM RT : MTR, FOC I/ 11P23AM

Untuk *General Task List*, Masukan Keterangan dengan sintaks berikut:

PM XX: Jenis Peralatan dimana XX adalah *Group Counter Name*

Contoh:

PM OH: Pompa Sentrifugal

d. *Field 5, Work Centre*

Sebuah *work center* yang bertanggung jawab saat tugas pemeliharaan dilakukan.

e. *Field 6 - 8,*

Tanggung Jawab PEMILIK.

f. *Field 9, Status*

1 *Created*

2 *Released for order*

3 *Released for costing*

4 *Released (general)*

g. *Field 10, System Condition*

Kondisi Peralatan selama aktivitas pemeliharaan. Diisi:

0 → tidak beroperasi

1 → sedang beroperasi

h. *Field 11, Maintenance Strategy*

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Strategy

The strategy used for maintenance Filled in:

PTB - Time Base Strategy

PTR - Running Hr Strategy

i. Field 12, Operation

The content of this column is the sequence of steps of work.

Example: 0010 ; 0020

j. Field 13, Sub Operation

The content of this column is the subsequence of steps or stages of work in more for each sub-operation/ activity, fill with sequence number starting from 0010.

k. Field 14, Work Center

Work Center in operation is the same with the header, fill in if the work center is different in sub-operation.

l. Field 15, Plant

Plant is the same as the planning plan in Field 6.

m. Field 16, Control Key

Maintenance markers that will be performed according to the description below:

EXT - External

INT- Internal

INT1 - Internal For sub-operation (no confirm)

INT2 - Internal without costing

n. Field 17, Operation

Strategi yang digunakan untuk pemeliharaan diisi:

PTB - *Time Base Strategy*

PTR - *Running Hr Strategy*

i. *Field 12, Operation*

Isi kolom ini merupakan urutan dari langkah kerja.

Contoh: 0010; 0020

j. *Field 13, Sub Operation*

Isi kolom ini merupakan kelanjutan dari langkah-langkah atau tahapan pekerjaan terlebih untuk setiap sub-operasi/ kegiatan, diisi dengan nomor urut mulai dari 0010.

k. *Field 14, Work Center*

Work Center yang beroperasi sama dengan *header*, isi jika *work center* berbeda dalam sub-operasi.

l. *Field 15, Plant*

Kilang sama dengan *planning plan* pada *Field 6*.

m. *Field 16, Control Key*

Maintenance marker yang akan dilakukan sesuai uraian di bawah ini:

EXT - *External*

INT- *Internal*

INT1 - *Internal* Untuk sub-operasi (tidak ada konfirmasi)

INT2 - Internal tanpa biaya

n. *Field 17, Operation Description*

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Description

This column contains descriptions of each phase of the activity or steps to be performed.

Example:

Replace lubricating oil.

Kolom ini berisi deskripsi dari setiap tahapan dari aktivitas atau langkah-langkah yang akan dilakukan.

Contoh:

Ganti oli pelumas.

o. Field 18, Work

Two options are available as below:

- Total manhour is man number x working hour.
- Total man-min is man number x working minutes.

o. *Field 18, Work*

Dua opsi tersedia sebagai berikut:

- Total manhour adalah jumlah tenaga kerja x waktu kerja dalam jam.
- Total man-min adalah jumlah tenaga kerja x waktu kerja dalam menit.

p. Field 19, Unit of Work

This column is filled unit of time corresponding field 18; the number of characters up to three characters.

This column is filled unit of weight corresponding column 6, the number of characters provided as much as three. List for UOW available:

- MIN
- HR

p. *Field 19, Unit of Work*

Kolom ini diisi satuan waktu sesuai Field 18; jumlah karakter sebanyak tiga karakter.

Kolom ini diisi satuan bobot sesuai kolom 6, jumlah karakter sebanyak tiga karakter. Daftar UOW yang tersedia:

- MIN
- HR

q. Field 20, Number of capacities required

Number of Personnel required to perform the task.

q. *Field 20, Number of capacities required*

Jumlah Personil yang dibutuhkan untuk melaksanakan tugas tersebut.

r. Field 21, Normal Duration

r. *Field 21, Normal Duration*

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The duration needed to complete one sub-operation (maintenance activity).

s. Field 22, Normal Duration unit

Unit of duration. Either DAY or HR (if Hour used) or MIN (If Minutes used).

t. Field 23, Calculation Key

0 – Maintain manually

1 – Calculate duration

2 – Calculate work

3 – Calculate the number of capacities

For this project, fill with number "2".

u. Field 24 – 29

OWNER Responsibility.

v. Field 30 – 34, Pkg

Provide information on the time interval between tasks. Use the following syntax for time-based strategy:

- XX is month interval starting from 01 to 11.
- YX is year interval starting from Y1 to Y9.

10.3.3. Task List Components Template

a. Field 1, Equipment Number

Number by which a piece of equipment can be clearly identified as per Equipment Data Sheet.

Durasi yang dibutuhkan untuk menyelesaikan satu sub-operasi (aktivitas pemeliharaan).

s. *Field 22, Normal Duration unit*

Satuan dari durasi. Bisa HARI atau JAM (jika Jam digunakan) atau MIN (Jika Menit digunakan).

t. *Field 23, Calculation Key*

0 – *Maintain manually*

1 – *Calculate duration*

2 – *Calculate work*

3 – *Calculate the number of capacities*

Untuk proyek ini, isi dengan angka "2".

u. *Field 24 – 29*

Tanggung Jawab PEMILIK.

v. *Field 30 – 34, Pkg*

Memberikan informasi tentang interval waktu antar tugas. Gunakan sintaks berikut untuk strategi berbasis waktu:

- XX adalah interval bulan mulai dari 01 hingga 11.
- YX adalah interval tahun mulai dari Y1 hingga Y9.

10.3.3. *Task List Components Template*

a. *Field 1, Equipment Number*

Nomor dimana sebuah peralatan dapat diidentifikasi dengan jelas sesuai *Equipment Data Sheet*.

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Example:

KT-3-01/00 is a code of Equipment Turbine.

b. Field 2, Group of General Task List

Group name for which activities associated is applicable to more than one equipment with the same work volume.

c. Group Counter

Fill with number 1 to 4 with the following legend:

1 – Task List Routine

2 – Overhaul

3 – Turn Around

4 – Certification

Calibration of Instrument Part (Pressure Indicator, Temperature Indicator, etc.) includes in Task List Routine. Certification is used on Equipment that requires certificate from external organization.

d. Operation

Fill in the sequence number of the activity starting from 0010.

e. Sub Operation

For each sub-operation/ activity, fill with a sequence number starting from 0010.

f. Material

Put the material number for each operation activity as required. For this project,

Contoh:

KT-3-01 / 00 adalah kode dari *Equipment Turbine.*

b. *Field 2, Group of General Task List*

Nama kelompok yang aktivitas terkaitnya dapat diterapkan pada lebih dari satu peralatan dengan *volume* kerja yang sama.

c. *Group Counter*

Isikan angka 1 sd 4 dengan keterangan sebagai berikut:

1 – *Task List Routine*

2 – *Overhaul*

3 – *Turn Around*

4 – *Certification*

Kalibrasi Bagian *Instrument* (Indikator tekanan, *indicator* suhu, dll) termasuk dalam *Task List Routine*. Sertifikasi digunakan pada Peralatan yang membutuhkan sertifikat dari organisasi eksternal.

d. Operasi

Isikan nomor urut kegiatan mulai 0010.

e. Sub Operasi

Untuk setiap sub operasi/ kegiatan diisi dengan nomor urut mulai 0010.

f. *Material*

Letakkan nomor *material* tiap kegiatan operasi sesuai kebutuhan. Untuk proyek ini,

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simply fill with dummy number of the material as indicated in tab material.

g. Quantity

Fill with number of material required to perform the work/operation.

h. Unit

UOM of quantity.

Example: PCS, liter, kilogram, SET.

cukup isi dengan nomor dummy material seperti yang ditunjukkan pada *tab material*.

g. Kuantitas

Diisi dengan jumlah material yang dibutuhkan untuk melakukan pekerjaan/ operasi.

h. Satuan

Kuantitas UOM.

Contoh: PCS, liter, kilogram, SET.

11. ATTACHMENTS

Attachment 1 – Equipment Database Template

Attachment 2 – Split of Scope Responsibility

Attachment 3 – Table Catalogue Profile

Attachment 4 – Material Master and Bill of Material (BOM) Database Template

Attachment 5 – Split of Scope Responsibility BOM

Attachment 6 – Table Noun Modifier

Attachment 7 – Preventive Maintenance Task List Template

Attachment 8 - *Split of Scope Responsibility Task List*

Attachment 9 - Risk Assessment Matrix (RAM)

11. LAMPIRAN

Lampiran 1 – *Equipment Database Template*

Lampiran 2 – *Split of Scope Responsibility Equipment Master*

Lampiran 3 – *Table Catalogue Profile*

Lampiran 4 – *Material Master and Bill of Material* (BOM) *Database Template*

Lampiran 5 – *Split of Scope Responsibility BOM*

Lampiran 6 – *Table Noun Modifier*

Attachment 7 – *Preventive Maintenance Task List Template*

Attachment 8 - *Split of Scope Responsibility Task List*

Attachment 9 - *Risk Assessment Matrix* (RAM)

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Attachment - Equipment Database Template

Max Char	18	1	8	40	10	17	3	25	18	8	17	4
	Initial			General								
No	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10	Field 11	Field 12
	Equipment Tag Number*	Equipment Category*	Valid From (DD.MM.YYYY)	Description*	Object Type*	Weight*	UOM*	Inventory No.*	Size/ Dimension*	Start-up Date	Acquisition Value*	Currency*
1	K-3-02A/00	R	31.12.2018	HYDROGEN MAKE UP COMPRESSOR		42.72	KG		10x1x10m	01.01.1982	7,002,428,508	IDR
2												
3												
4												
5												

17	4	3	8	4	4	10	3	1	30	4	12	4	10
					Location, Account Assignment, Structure								
Field 13	Field 14	Field 15	Field 16	Field 17	Field 18	Field 19	Field 20	Field 21	Field 22	Field 23	Field 24	Field 25	Field 26
Acquisition Date*	Planning Plant*	Planner Group*	Main Work Center*	Catalog Profile*	Maintenance Plant*	Location*	Plant Section*	Criticality*	Sort Field/ ATA*	Company Code*	Main Asset Number	Sub Asset Number	Cost Center*
1/1/1982	R501	5RR	PEM4-LIS	1906	R501	RU5-E15112	503	H	RDMP RU5	1010			A0501012

Legend

by PERTAMINA

by EPC

* Mandatory

Non Mandatory

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24	30	18	4	25	18	30	20	30	30
							Specification		
Field 27	Field 28	Field 29	Field 30	Field 31	Field 32	Field 33	Field 34	Field 35	Field 36
WBS Element*	Functional Location*	Superior Equipment	Position	ManufDrawingNo.*	Material	Manufacturer*	Model/ Type*	Manufacturer Part No.*	Manufacturer Serial No.*
D15/10/B6/RT1-03	K-3-02A			DWG.H-51331		INGERSOLL RAND	6.HHE.VL.3	N/A	XHH.2265.W

2	4	2				
			Linear Data			
Field 37	Field 38	Field 39	Field 40	Field 41	Field 42	Field 43
Manufacturer Origin Country*	Construction Year*	Construction Month*	Start Point	End Point	Length	Unit of Measure
GB	1982	11				

Legend

by PERTAMINA

by EPC

* Mandatory

Non Mandatory

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

Attachment – Split of Scope ResponsibilityEquipment Master

No	Field	Max Character Input	Split of Scope		Remarks
			Contractor	Owner	
1	Equipment Tag No*	18			Mandatory
2	Equipment Category*	1			Mandatory
3	Valid From (DD.MM.YYYY)	8			
4	Description*	40			Mandatory
5	Object Type*	10			Mandatory
6	Weight*	17			Mandatory
7	UOM*	3			Mandatory
8	Inventory No.*	25			Mandatory
9	Size/ Dimension*	18			Mandatory
10	Start-up Date	8			
11	Acquisition Value*	17			Mandatory
12	Currency*	4			Mandatory
13	Acquisition Date*	17			Mandatory
14	Planning Plant*	4			Mandatory
15	Planner Group*	3			Mandatory
16	Main Work Center*	8			Mandatory
17	Catalog Profile*	4			Mandatory
18	Maintenance Plant*	4			Mandatory
19	Location*	10			Mandatory
20	Plant Section*	3			Mandatory
21	Criticality*	1			Mandatory
22	Sort Field/ATA*	30			Mandatory
23	Company Code*	4			Mandatory
24	Main Asset Number	12			
25	Sub Asset Number	4			
26	Cost Center*	10			Mandatory
27	WBS Element*	24			Mandatory
28	Functional Location*	30			Mandatory
29	Superior Equipment	18			
30	Position	4			
31	Manuf DrawingNo.*	25			Mandatory
32	Material	18			
33	Manufacturer*	30			Mandatory
34	Model/Type*	20			Mandatory
35	Manufacturer Part No.*	30			Mandatory
36	Manufacturer Serial No.*	30			Mandatory

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

37	Manufacturer Origin Country*	2			Mandatory
38	Construction Year*	4			Mandatory
39	Construction Month*	2			Mandatory
40	Start Point				
41	End Point				
42	Length				
43	Unit of Measure				

Note:

*is mandatory

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

Attachment 3 – Table Catalogue Profile

Code	Catalog profile text
01	== TANK ==
0101	TANK, CONE RF, ATM/LOW PRESS
0102	TANK, DOME RF, ATM/LOW PRESS
0103	TANK, DOME ROOF, CRYOGENIC
0104	TANK, UMBR.RF. ATM/LOW PRESS
0105	TANK, FLOATING ROOF
0106	TANK, OPEN ROOF
0107	TANK, DEGASSES
0108	TANK, NON METALLIC
0109	TANK, SPHERICAL, PRESSURE
0110	TANK, UNDERGROUND
0111	TANK, SILO/HOPPER
0112	TANK, FXD RF W/FLOAT.RF,ATM
0199	TANK, MISCELLENEOUS
02	== HEAT EXCHANGER ==
0201	HEAT EXCHANGER, FIXED TUBE
0202	HEAT EXCHANGER, FLOATING HEAD
0203	HEAT EXCHANGER, "U" TUBE
0204	HEAT EXCHANGER, SPIRAL & COIL TYPE
0205	HEAT EXCHANGER, COOLING TOWER
0206	HEAT EXCHANGER, PLATE TYPE
0207	HEAT EXCHANGER, FIN TYPE
0208	HEAT EXCHANGER, BOX TYPE
0209	HEAT EXCHANGER, DOUBLE PIPE TYPE
0299	HEAT EXCHANGER, MISCELLENEOUS
03	== COLUMN ==
0301	COLUMN, FRACTIONATOR
0302	COLUMN, DRIER NON CATALYTIC
0303	COLUMN, STRIPPER
0304	COLUMN, ABSORBER
0305	COLUMN, SPLITTER
0306	COLUMN, STABILIZER
0399	COLUMN, MISCELLENEOUS
04	== VESSEL ==
0401	VESSEL, PRESSURE, VERTICAL
0402	VESSEL, PRESSURE, HORIZONTAL
0403	VESSEL, NON PRESSURE VERTICAL
0404	VESSEL, NON PRESSURE HORIZ.

Code	Catalog profile text
0805	REACT.&REGEN.TUB.GASEOUS REAC.
0899	REACTOR & REGENERATOR, MISC
0901	GAS REMOVAL, FLARE
0902	GAS REMOVAL, STACK
0903	GAS REMOVAL, SILENCER
0999	GAS REMOVAL, MISC
1001	PARTICLE COLLECTOR, BAG TYPE
1002	PARTICLE COLLECTOR,CYCLONE TYP
1003	PARTICLE COLLECTOR,PRESSED TYP
1099	PARTICLE, COLLECTOR, MISC
11	== PELLETIZER ==
1101	PELLETIZER, METAL WALLED
1102	PELLETIZER, NON METAL WALLED
1199	PELLETIZER, MISCELLENEOUS
12	Chapter 12
1201	INCINERATOR, GRADE STROKER
1202	INCINERATOR, CASCADE OVER FLOW
1203	INCINERATOR, FLUIDIZED BAD
1299	INCINERATOR, MISC
13	Chapter 13
14	Chapter 14
1601	MOTOR, AIR
1602	MOTOR, HYDRAULIC
1603	TURBINE, STEAM,GENERAL PURPOSE,STG
1604	TURBINE, STEAM,GENERAL PURPOSE,MTG
1605	TURBINE, STEAM,SPECIAL PURPOSE,STG
1606	TURBINE, STEAM,SPECIAL PURPOSE,MTG
1607	TURBINE, GAS
1608	ENGINE, GAS
1609	ENGINE, DIESEL
1610	ENGINE, PETROL
1611	ENGINE, STEAM, RECIPROCATING
1612	TURB,PWR RECOVERY INCL.(EXPAND
1699	PRIME, MOVER, MISC
1701	PWR TRANSM,EQUIP,COUPLING
1702	PWR TRANSM,EQUIP, CLUTCH
1703	PWR TRANSM,EQUIP, GEAR BOX
1704	PWR TRANSM,EQUIP, DRIVING BELT

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

0499	VESSEL, MISCELLENEOUS
0501	BOTTLE, RACK MOUNTED
0502	BOTTLE, INDIVIDUAL
0599	BOTTLE, MISCELLENEOUS
Code	**Catalog profile text**
0601	BOILER, WATER TUBE
0602	BOILER, FIRE TUBE
0603	BOILER, WASTE HEAT BOILER
0699	BOILER, MISCELLENEOUS
0701	FIRE HEATER, CYLINDRICAL TYPE
0702	FIRE HEATER, BOX TYPE
0799	FIRE HEATER, MISCELLENEOUS
0801	REACT.&REG,PACKBED,FXD BED CAT
0802	REACT.&REG,PACKBED,FXD BED NON
0803	REACT.&REG,FLUIDIZEDBED CATAL.
0804	REACT.&REG,FLUIDIZEDBEDNON CAT
1811	PUMP, REGENV, TURB, BETW.BRG., MTG
1812	PUMP, SPEC EFFECT, REVER.CEN
1813	PUMP, SPEC EFFECT, ROT.CAS.
1814	PUMP, RECIP.STEAM, DOUBLE ACTING
1815	PUMP, RECIP.PWR, SINGLE ACTING
1816	PUMP, RECIP.PWR, DOUBLE ACTING
1817	PUMP, RECIP.CONTD.VOL, PLUNGER
1818	PUMP, RECIP.CONTD.VOL, PISTON
1819	PUMP, RECIP.CONTD.VOL, DIAPHM
1820	PUMP, BLOW CASE
1821	PUMP, ROTARY VANE
1822	PUMP, ROTARY PISTON
1823	PUMP, ROTARY FLEX MEMBRANE
1824	PUMP, ROTARY LOBE
1825	PUMP, ROTARY GEAR
1826	PUMP, ROTARY CIRCUMFER.PIS
1827	PUMP, ROTARY SCREW
1828	PUMP, RECIP.STEAM, SINGLE ACT
1829	PUMP, PUMPING UNIT
1899	PUMP, MISC
19	== COMPRESOR,FAN&BLOWER ==
1901	BLOWER
1902	FAN
1903	COMPRESSOR, CENT, RADIAL FLOW

1705	PWR TRANSM,EQUIP,TORQUE CONVER
1706	PWR TRANSM,EQP,EPYCYCL/PLANE
1707	PWR TRANSM,EQP,SPEEDVARIA/REG
1799	POWER TRANSMITTER, MISC.
Code	**Catalog profile text**
18	== PUMP ==
1801	PUMP, CENT, OVERHUNG IMPELLER
1802	PUMP, CENT, BETW BEARING, STG
1803	PUMP, CENT, BETW BEARING, MTG
1804	PUMP, CENT, VER.TURB. RADIAL, STG
1805	PUMP, CENT, VER.TURB. RADIAL, MTG
1806	PUMP, CENT, AXI, MXD FLW VERT, TRB
1807	PUMP, CENT, AXI, MXD FLW HORZ, TRB
1808	PUMP, REGENV, TURB, OVERHUNG, STG
1809	PUMP, REGENV, TURB, OVERHUNG, MTG
1810	PUMP, REGENV, TURB, BETW.BRG., STG
25	== DRIER ==
2501	DRIER, ROTARY
2502	DRIER, FIXED
2599	DRIER, MISC
26	== EVAPORATOR ==
2601	EVAPORATOR, ROTARY
2699	EVAPORATOR, MISC
27	== EXTRUDER ==
2799	EXTRUDER, MISC
28	== CONVEYOR ==
2801	CONVEYOR, PURGE
2802	CONVEYOR, BELT
2803	CONVEYOR, SCREW
2804	CONVEYOR, BUCKET
2805	CONVEYOR, ROTATING
2899	CONVEYOR, MISC
29	Chapter 29
30	Chapter 30
3001	FUEL DISPENSER F/AIRCRAFT
3002	FUEL HYDRANT PIT F/AIRCRAFT
31	Chapter 31
32	Chapter 32
33	Chapter 33
34	Chapter 34

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

1904	COMPRESSOR, MIXED FLOW
1905	COMPRESSOR, AXIAL FLOW
1906	COMPRESSOR, RECIPROCATING
1907	COMPRESSOR, ROT SLIDING VANE
1908	COMPRESSOR, ROT LIQ. PISTON
1909	COMPRESSOR, ROTARY
1910	BLOWER, SOOT
1911	COMPRESSOR, PORTABLE
1999	COMPRESSOR, FAN&BLOWER, MISC.
2001	FILTER, ROTARY
Code	**Catalog profile text**
2002	FILTER, STATIONARY
2003	STRAINER, ROTARY
2004	STRAINER STATIONARY
2099	FILTER, MISC
21	== CHILLER ==
2101	CHILLER, ROTARY
2102	CHILLER, STATIONARY
2199	CHILLER, MISC
22	== ROTARY KILN ==
2201	KILN, ROTARY
2202	KILN, STATIONARY
2299	ROTARY, KILN, MISC
23	== PURIFIER ==
2301	PURIFIER, CENTRIFUGAL
2399	PURIFIER, MISC
24	== AGITATOR, MXR&BLNDR ==
2401	AGITATOR, MIXER, BLENDER
2402	ROTARY DISC CONTACTOR
2499	AGITATOR, MIXER&BLENDER, MISC
42	== STRUCTURE ==
4201	PIPE RACK
4202	PLATFORM
4203	STAIR WAY
4299	STRUCTURE, MISC.
43	Chapter 43
4601	CRANE, OVERHEAD
4602	CRANE, HARBOR
4603	CRANE, GANTRY
4604	LIFT & ELEVATOR
4699	STAT.LIFT/HANDLING EQP, MISC.
4701	FORK LIFT
4702	STRADDLE CARRIER

35	Chapter 35
36	Chapter 36
3601	SAFETY VALVE, PRESSURE
3602	RELIEVE VALVE, PRESSURE
3603	SAFETY VALVE, PRESS/VACUUM
3699	SAFETY & RELIEVE VALVE, MISC
38	== LOADING ARM ==
3801	LOADING ARM ON SHORE
3802	LOADING ARM OFF SHORE
3899	LOADING ARM, MISC.
Code	**Catalog profile text**
39	== STEAM TRAP&STRAINER ==
3901	STEAM TRAP
3902	STRAINER
3903	FILTER
3999	STEAM TRAP & STRAINER, MISC.
40	== PIPING ==
4001	PIPING, LOW CARBON STEEL
4002	PIPING, HIGH CARBON STEEL
4003	PIPING, LOW GRADE ALLOY STL
4004	PIPING, HIGH GRADE ALLOY STL
4005	PIPING, ALUMINUM & ALLOY
4006	PIPING, COOPER & ALLOY
4007	PIPING, NOW METALIC PLASTIC
4008	PIPING, CONCRETE
4099	PIPING, MISC.
41	== EJECTOR ==
4101	EJECTOR
4102	INJECTOR
4199	EJECTOR & INJECTOR, MISC.
5009	BENDING MACHINE
5010	ROLLING MACHINE
5011	BALANCING MACHINE
5012	CUTTING MACHINE
5013	THREADING MACHINE
5014	TUBE PULLER
5015	FLAME CUTTING MACHINE
5016	HYDRO JET CLEANER
5017	METAL SPRAYER
5018	DRILLING MACHINE
5019	PLANNER MACHINE
5020	LAPPING MACHINE
5021	WELDING MACHINE

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4703	CRANE, WHEELED
4704	CRANE, CRAWLED
4705	GINPOLE
4706	TRUCK
4799	MOBILE LIFT/HANDLG.EQP, MISC.
4801	WINCHES AND DERRICK
4802	SLINGS
4803	CHAIN BLOCKS
4804	HYDRAULIC JACK
4899	LIFTING DEVICES, MISC.
49	== EARTH AND MOVING EQ ==
4901	DOZER
4902	GRADER
4903	COMPACTOR
Code	**Catalog profile text**
4904	SHOVEL
4905	PWR SHOVEL
4906	LOADER
4907	DUMP TRUCK
4908	ASPHALT MIXER
4909	CONCRETE MIXER
4910	STONE CRUSHER
4911	ROAD ROLLER
4912	AGITATOR TRUCK
4913	CONCRETE VIBRATOR
4914	ASPHALT PAVING
4915	SCRAPPER
4916	TRENCH DIGGER
4917	WHEEL LOADER
4918	BACK HOE LOADER
4919	EXCAVATOR
4999	EARTH MOVING EQP. MISC.
50	== WORKSHOP EQ & TOOLS ==
5001	GRINDERS
5002	TEST BENCH
5003	LATHE MACHINE
5004	SCREW MACHINE
5005	PROFILER
5006	MECHANICAL HACKSAW
5007	SHAPING MACHINE
5008	SLOTTING MACHINE
5399	FIRE FIGHTING EQP. MISC.
54	Chapter 54

5022	MILLING MACHINE
5023	BORING MACHINE
5024	OXY/ACETYLENE GENERATOR
5025	FOUNDRY MACHINE
5026	FORGING MACHINE
5027	TEST PUMP
5099	WORKSHOP EQP.& TOOLS, MISC.
51	== FBRCTION MACHINERY ==
5101	CUTTING MACHINE
5102	ROLLING MACHINE
5103	CORRUGATED MACHINE
5104	SPOT WELDING MACHINE
5105	SEAM WELDING MACHINE
5106	DOUBLE SEAMER MACHINE
Code	**Catalog profile text**
5107	PUNCHING SEAMER MACHINE
5108	DRUM LEAK TESTER
5109	PANTING MACHINE
5110	DRIER OVEN
5199	FABRICATION MACHINERY, MISC.
52	Chapter 52
5201	PASSANGER TRANSPORT
5202	MATERIAL/CARGO LAND TRANSPORT
5203	MARINE TRANSPORT
5204	WAGON
5299	TRANSPORT EQP. MISC.
53	Chapter 53
5301	FIRE TRUCK
5302	FOAM TENDER
5303	MOBILE CONT. STATION
5304	RAPID INTERVENTION VEHICLE
5305	FOAM GENERATOR
5306	FIXED GUN MONITOR
5307	WATER POLUTION CONT. EQP.
5308	CRASH TENDER
5309	FIRE BOAT
5310	REMOTE CONT. GUN
5311	HOSE MAIN AND HANDLING
5312	REFUELER FOR AIRCRAFT
5313	SERVICE CLEANING CAR F/AIRCRFT
5314	FLUSHING CAR F/AIRCRAFT
6202	BARGE
6203	MOORING SYSTEM

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

55	Chapter 55
56	Chapter 56
5601	UTILITIES HOUSE
5602	CONTROL ROOM
5603	WORKSHOP
5604	SUB STATION
5605	HOSPITAL
5606	OFFICE
5607	HOUSING
5608	SCHOOL
5609	BRASS ALLEY
5610	GUEST HOUSE
5611	WARE HOUSE
5612	COMMISSARY
5613	GUARD HOUSE
5614	MOSQUE/CHURCH
Code	**Catalog profile text**
5615	PUMP STATION
5616	GARAGE
5617	LABORATORY BUILDING
5699	BUILDING, FOUND., STRUCTURE
57	Chapter 57
5701	RESERVOIR
5702	DAM
5799	DIKE, MISC.
5801	RAILWAY
5802	REFINERY, MAIN ROAD
5803	PAVEMENT
5804	ACCES ROAD
5805	BRIDGE
5899	ROAD, MISC.
5901	WATER WELL
5902	CLOSED DRAIN
5903	ATMS. DRAIN
5904	OPEN DRAIN
5905	CULVERT
5906	UNDER GROUND SEWER
5907	PRODUCTION WELL
5908	INJECTION WELL
5909	CORE WELL
5999	SEWER. MISC.
6001	STEEL, WIRE FENCE
6002	CONCRETE, WALL

6299	JETTY, MISC.
63	Chapter 63
6301	RUNWAY, TAXIWAY AND APRON
6302	SHOULDER
6303	HELIPAD
6399	AIR STRIP, MISC.
64	Chapter 64
6401	CLUB HOUSE
6402	INDOOR SPORT FACILITIES
6403	OUTDOOR FACILITIES
6499	RECREATION, MISC.
65	Chapter 65
6501	GABION
6502	GROYNE
6503	RETAINING WALL
6599	SHORE PROTECTION, MISC.
Code	**Catalog profile text**
66	Chapter 66
6601	SENSOR, TEMP. THERMOCOUPLE
6602	SENSOR,TEMP,RESIST.THERMO DEV
6603	SENSOR, TEMP, OTHERS
6604	SENSOR, FLOW, ORIFICE PLATE
6605	SENSOR, FLOW, OTHERS
6606	SENSOR, LEVEL
6607	SENSOR, VIBRATION & SPEED
6699	PRIMARY ELEMENT, MISC.
67	Chapter 67
6701	TRANSMITTER, TEMP, PNEUMATIC
6702	TRANSMITTER, TEMP, ELECTR
6703	TRANSMITTER, TEMP, DIGITAL
6704	TRANSMITTER, PRESS, PNEUMATIC
6705	TRANSMITTER, PRESS, ELECTR
6706	TRANSMITTER, PRESS, DIGITAL
6707	TRANSMITTER, FLOW, PNEUMATIC
6708	TRANSMITTER, FLOW, ELECTR
6709	TRANSMITTER, FLOW, DIGITAL
6710	TRANSMITTER, LEVEL, PNEUMATIC
6711	TRANSMITTER, LEVEL, ELECTR
6712	TRANSMITTER, LEVEL, DIGITAL
6713	TRANSMR,VIBR&SPEED, PNEUMATIC
6714	TRANSMR,VIBR&SPEED, ELECTR
6715	TRANSMR,VIBR&SPEED, DIGITAL
6799	TRANSMR, MISC.

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

6099	FENCING, MISC.
61	Chapter 61
6101	OIL CATCHER OR CPI
6102	CATCH BASIN
6103	HOLDING BASIN
6104	EFFLUENT WATER TREAT PLANT
6199	SEPARATOR, MISC.
62	Chapter 62
6201	JETTY
6902	RECORDER, FIELD, ELECTRONIC
6903	RECORDER, FIELD, DIGITAL
6904	RECORDER, PANEL, PNEUMATIC
6905	RECORDER, PANEL, ELECTRONIC
6906	RECORDER, PANEL, DIGITAL
6999	RECORDER, MISC.
70	Chapter 70
Code	**Catalog profile text**
7001	CONTROLLER,FIELD,PNEUMATIC
7002	CONTROLLER,FIELD,ELECTRONIC
7003	CONTROLLER,FIELD,DIGITAL
7004	CONTROLLER,PANEL,PNEUMATIC
7005	CONTROLLER,PANEL,ELECTRONIC
7006	CONTROLLER,PANEL,DIGITAL
7099	CONTROLLER,MISC.
71	Chapter 71
7101	COMPUTING DEVICES
7102	CONVERTER,CURRENT TO PNEU
7103	CONVERTER,PNEU TO CURRENT
7104	CONVERTER,CURRENT TO DIGITAL
7105	CONVERTER,DIGITAL TO CURRENT
7106	CONVERTER,VOLT TO CURRENT
7107	CONVERTER,CURRENT TO VOLT
7108	CONVERTER,VOLT TO PNEUMATIC
7109	CONVERTER,CURRENT TO CURRENT
7110	CONVERTER,OTHERS
7111	LIMITER,SWITCH & ANNUNCIATORS
7112	PWR SUPPLIES
7199	AUXILIARY DEVICE,MISC
72	Chapter 72
7201	VIDEO DISPLAY UNIT
7202	KEY BOARD
7203	CENTRAL PROCESSING UNIT
7204	PRINTER & PLOTTER

6801	INDICATOR, FIELD, PNEUMATIC
6802	INDICATOR, FIELD, ELECTRONIC
6803	INDICATOR, FIELD, DIGITAL
6804	INDICATOR, PANEL, PNEUMATIC
6805	INDICATOR, PANEL, ELECTRONIC
6806	INDICATOR, PANEL, DIGITAL
6807	INDICATOR, FIELD, MECHANICAL
6899	INDICATOR, MISC.
6901	RECORDER, FIELD, PNEUMATIC
74	Chapter 74
7401	INSTRUMENT PANEL,FIRE & GAS
7402	HALON SYSTEM
7403	ALARM SYSTEM
7404	DELUGE & SPRINKLER SYSTEM
7405	GAS DETECTOR,PORTABLE
7499	FIRE/GAS DETECT/CONT.SYS. MISC
Code	**Catalog profile text**
75	Chapter 75
7501	ON LINE ANALYZER,GAS
7502	ON LINE ANALYZER,VAPOR
7503	ON LINE ANALYZER,LIQUID
7504	ON LINE ANALYZER,SOLID
7599	ON LINE ANALYZER,MISC
76	Chapter 76
7601	DETECTOR
7602	TRASMITTER
7603	SWITCHES
7604	RELAY & CONTROL PANEL
7605	FINAL CTRL ELEMENT(SOLENOID)
7606	FINAL CTRL ELEMENT (SHUTOFF)
7699	EMERGENCY SHUTDOWN SYST MISC
77	Chapter 77
7701	POSITIVE DISPLACEMENT METER
7702	POSITIVE TURBINE METER
7703	ORIFICE FITTING
7704	DIP TAPE
7705	AUTOMATIC TANK GAUGING
7706	DIRECT MASS FLOW
7707	PROVER METER
7708	WATER DRAW CALIBRATOR
7709	COMPUTER
7710	PANEL INSTRUMENT
7711	PANEL CONTROL ELEMENT

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

7205	MULTI FUNCTION CONTROLLER
7206	BASIC CONTROLLER
7207	PROCESS I/O INTERFACE UNIT
7208	HI-WAY DATA COMMUNICATION
7209	HI-WAY TRAFFIC DIRECTOR
7210	HISTORICAL MODULE
7211	APPLICATION MODULE
7212	PROCESS MANAGER MODULE
7213	INTERFACE GATE WAY
7214	PROCESS COMPUTER
7215	SOFTWARE SYSTEM
7216	PROGRAM LOGIC CONTROL
7217	SIMULATOR
7299	COMPUTER,DCS & PLC , MISC
73	Chapter 73
7301	VALVE,CONTROL,PNEUMATIC
7302	VALVE,CONTROL,ELECTRONIC
7303	VALVE,SOLENOID
7304	VALVE, MANUALLY OPERATED
7399	FINAL CONTROL ELEMENT MISC
Code	**Catalog profile text**
80	Chapter 80
8001	ANALYZER,GAS
8002	ANALYZER,VAPOR
8003	ANALYZER,LIQUID
8004	ANALYZER,SOLID
8005	ANALYZER,MULTI PURPOSE SAMPLE
8006	LABORATORY EQUIP.AUXILIARY
8099	LABORATORY EQUIP.MISC
8199	MEDICAL EQUIPMENT MISC
82	Chapter 82
8201	AIR COND.AIR COOLED TYPE
8202	AIR COND.WATER CHILLED TYPE
8203	AIR COND.WINDOW TYPE
8204	REFRIGERATOR
8205	DRINKING WATER COOLER
8206	FREEZER
8299	COOLING & AC EQUIPMENT MISC
8399	OFFICE & HOUSING EQUIP.MISC
8401	AUDIO EQP.
8402	VIDEO EQP.
8403	AUDIO VIDEO EQP.
8404	PROJECTOR

7712	SCALE
7713	CONSTANT FEED WEIGHER
7714	MAGNETIC INDUCTIVE FLOW METER
7799	CASTODY TRASFER EQUIP.MISC
78	Chapter 78
7801	TEST EQUIPMENT,PNEUMATIC
7802	TEST EQUIPMENT,ELECTRONIC
7803	TEST EQUIPMENT,DIGITAL
7899	TEST EQUIPMENT,MISC
79	Chapter 79
7901	RADIOGRAPHY
7902	METTALOGRAPHY & FIBRE SCOPE
7903	THERMAL SCANNER
7904	ULTRASONIC TEST
7905	HARDNESS TESTER
7906	MAGNETIC MEASUREMENT EQUIPMENT
7907	METTAL ALLOY ANALYZER
7908	GEIGER COUNTER/SURVEY METER
7999	INSPECTION EQUIPMENT,MISC

Code	**Catalog profile text**
91	Chapter 91
9101	PANEL, LIGHTING
9102	PANEL, PWR
9103	PANEL, MTR HEATER
9104	PANEL, ELECTRIC HEATING TRACE
9105	PANEL, EMERGENCY
9106	PANEL, AC INST. POWER SUPPLY
9107	PANEL, SOOT BLOWER
9108	PANEL, N2 PLANT
9109	PANEL, INNER GAS
9110	PANEL, H2 PLANT
9111	PANEL,SWITCH-RACK/LOAD-CENTER
9199	PANEL, MISC.
92	Chapter 92
9201	MOTOR, SYNC, HT (>1000 V)
9202	MOTOR, SYNC, LT (<1000 V)
9203	MOTOR,ASYNC, HT (>1000 V)
9204	MOTOR,ASYNC, LT (<1000 V)
9205	MOTOR, DIRECT CURRENT
9206	MOTOR, SINGLE PHASE
9296	MOTOR, SINGLE PHASE
9299	MOTOR,MISC

8405	BOWLING EQP.
8499	TRAINING & RECRE EQP,MISC.
8601	SWITCHGEAR, HIGH VOLT (>1000V)
8602	SWITCHGEAR, LOW VOLT (<=1000V)
8699	SWITCHGEAR, MISC.
8701	GENERATOR, PRIMARY
8702	GENERATOR, AUX/EMERGENCY
8703	GENERATOR, MOBILE
8704	GENERATOR, WELDING, AC/DC
8705	GENERATOR, EXCITER
8799	GENERATOR, MISC.
8801	CABLE,HT MAIN FEEDER (>1000V)
8802	CABLE,LT MAIN FEEDER(<=1000V)
8899	CABLE, MISC.
8901	TRANSFORMER, PWR
8902	TRANSFORMER, DISTRIBUTION
8903	TRANSFORMER, TIE
8904	TRANSFORMER, WELDING
8999	TRANSFORMER, MISC.
9001	MCC, HIGH VOLT (>1000 VOLT)
9002	MCC, LOW VOLT (<=1000 VOLT)
9099	MCC, MISC.

93	Chapter 93
9301	DC POWER,BATTERY CHARGER
9302	DC POWER,PANEL
9303	UNINTERRUPTABLE PWR SUPPLY
9304	DC PWR,CHAT.PROTEC,IMPRE CRNT
9305	DC PWR,SODIUM HYPOCHLO.GENTR.
9399	DC PWR,MISC
94	Chapter 94
9401	GENERATOR CONTROL
9402	MOTOR CONT.SYNC,HT (>1000 V)
9403	MOTOR CONT.SYNC,LT (<=1000 V)
9404	MOTOR CONT.ASYNC,HT (>1000 V)
9405	MOTOR CONT.ASYNC.LT(<=1000 V)
9406	MOTOR CONT.DIRECT CURRENT
9407	MOTOR CONT.SINGLE PHASE
9408	CONT.,HEATER
9499	CONTROL, MISC.
95	Chapter 95
9501	LIGHTING
96	Chapter 96
97	Chapter 97
9800	RIG, MISC
Code	**Catalog profile text**
9801	RIG,CARRIER
9802	RIG,MAST
9803	RIG,DRAW WORK
9804	RIG,ROTARY TABLE
9805	RIG,POWER SWIVEL
9806	RIG,TRAVELING BLOCK
9807	RIG,ACCUMULATOR/BOP
9808	RIG,TILITING RAMP/TELESCOPIC J
99	Chanpter 99
9999	General Catalog Profile

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Attachment 4 – Material Master and Bill of Material (BOM) Database Template

a. Material Template

Max Char	18		40		1					
						Spare Part				
No	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10
	Equipment Number*	Material Number/Components*	Material Description*	Noun:Modif	This is Spare part (Y / N)	PART FOR	MODEL TYPE	SIZE / DIMENSION	SERIAL NUMBER	PART NUMBER
1	G-1-51/00	Dummy 000001	IMPELLER,PN.218080 BF	IMPELLER,MISC	Y	PUMP, CENT, OVERHUNG IMPELLER	SJA; SJ; HSJ	1.1/2 X 2 X 10.1/2; 1.1/2X2X10.1/2H; 1X1.1/2X7.1/4L	731-L-0613; 731L0719; 731-L-0721; 731-L-0722; 731-L-0723; 731-L-0730; 731-L-0742; 731-L-0743;	218080 BF
2	G-1-51/00	Dummy 000002	GASKET,SW,GRAP,10IN,150LB,HP/IR/OR:SS304	GASKET,SPIRAL WOUND	N	LEFTBLANK	LEFTBLANK	LEFTBLANK	LEFTBLANK	LEFTBLANK

Spare Part				Characteristic Material								
Field 11	Field 12	Field 13	Field 14	Field 15		Field 16		Field 17		Field 18		Field 19		Field 20	
DRAWING NUMBER	ITEM NUMBER	MANUFACTURE	ADITIONAL DETAIL	Char1*		Char2*		Char3*		Char4*		Char5*		Char6*	
1C-3344; IF-6749	04	BYRON JACKSON		TYPE	LEFTBLANK	MATERIAL	LEFTBLANK	SIZE	LEFTBLANK	ADDITIONAL DETAIL	LEFTBLANK	0	LEFTBLANK	0	LEFTBLANK
LEFTBLANK	LEFTBLANK	LEFTBLANK	LEFTBLANK	WINDING MATERIAL	SPIRAL WOUND	FILLER MATERIAL	GRAPHITE	INNER RING MATERIAL	SS304	OUTER RING MATERIAL	SS304	STYLE	INNER AND OUTER RING	PIPE SIZE	10IN

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Characteristic Material							
Field 21	Field 22	Field 23	Field 24	Field 25	Field 26	Field 27	Field 28
Char7*	Char8*	Char9*	Char10*	Char11*	Char12*	Char13*	Char14*
0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK
THICKNESS OF FILLER 4.5MM	THICKNESS OF RING 32.MM	STANDARD OF DIMENSION ANSI B16.20	PRESSURE RATING 150LB	SIZE 10IN	ADDITIONAL DETAIL	0	0

Characteristic Material				
Field 29	Field 30	Field 31	Field 32	Field 33
Char15*	Char16*	Char17*	Char18*	PO Text
0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	0 LEFTBLANK	IMPELLER,PN.218080 BF MPN : 218080 BF PART FOR : PUMP, CENT, OVERHUNG IMPELLER MODEL TYPE : SJA; SJ; HSJ SIZE / DEIMENSION : 1.1/2 X 2 X 10.1/2; 1.1/2X2X10.1/2H; 1X1.1/2X7.1/4L SERIAL NUMBER : 731-L-0613; 731L0719; 731-L-0721; 731-L-0722; 731-L-0723; 731-L-0730; 731-L-0742; 731-L-0743; DRAWING NUMBER : 1C - 3344; IF-6749 MANUFACTURE : BYRON JACKSON
0	0	0	0	GASKET,SW,GRAP,10IN,150LB,HP/IR/OR:SS304 WINDING MATERIAL : SPIRAL WOUND FILLER MATERIAL : GRAPHITE INNER RING MATERIAL : SS304 OUTER RING MATERIAL : SS304 STYLE : INNER AND OUTER RING PIPE SIZE : 10IN THICKNESS OF FILLER : 4.5MM THICKNESS OF RING : 32.MM STANDARD OF DIMENSION : ANSI B16.20 PRESSURE RATING : 150LB SIZE : 10IN ADDITIONAL DETAIL :

b. Bill of Material (BOM) Template

Max Char	18	4	1	8	4	1	18	18	3	10	40
	Initial / Object				Items						
No	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10	Field 11
	Equipment Number*	Plant*	BOM Usage	Valid From	BOM Item Number*	Item Category*	Material Number/Component*	Quantity*	UOM*	Sort String	Item Text Line 1*
1	G-1-51/00	R501	4		0010		Dummy 000001	1	PCS		O-RING,FLUORO-RUBBER
	G-1-51/00	R501	4		0020		Dummy 000002	1	PCS		BOARD,LCD,ASSY,W/ RANGE SETT
	G-1-51/00	R501	4		0030		Dummy 000003	1	PCS		CPU ASSY,4-20MA HART
	G-1-51/00	R501	4		0040		Dummy 000004	1	PCS		BOARD,LCD,ASSY,W/ RANGE SETT
	G-1-51/00	R501	4		0050		Dummy 000005	1	PCS		CPU ASSY,4-30MA HART
2	G-1-52/00	R501	4		0010		Dummy 000001	1	PCS		O-RING,FLUORO-RUBBER
	G-1-52/00	R501	4		0020		Dummy 000002	1	PCS		BOARD,LCD,ASSY,W/ RANGE SETT
	G-1-52/00	R501	4		0030		Dummy 000003	1	PCS		CPU ASSY,4-20MA HART
	G-1-52/00	R501	4		0040		Dummy 000005	1	PCS		CPU ASSY,4-30MA HART

* Mandatory

Non Mandatory

40	1	1	20	18	40
			Sub Items		
Field 12	Field 13	Field 14	Field 15	Field 16	Field 17
Item Text Line 2*	Spare Part Indicator*	Assembly Indicator	Installation Point	Sub-item Quantity	Sub-item Text
DWG.0065029-B REV.0,IT.01					
DWG.0065029-B REV.0,IT.3A					
DWG.0065029-B REV.0,IT.4A					
DWG.0065029-B REV.0,IT.4B					
DWG.0065029-B REV.0,IT.6A					
DWG.0065030-B REV.0,IT.02					
DWG.0065030-B REV.0,IT.03					
DWG.0065030-B REV.0,IT.04					
DWG.0065030-B REV.0,IT.06					

Legend

by PERTAMINA

by EPC

* Mandatory

Non Mandatory

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Attachment – Split of Scope Responsibility BOM

a. Material Responsibility

No	Field	Max Character Input	Split of Scope		Remark
			Contractor	Owner	
1	Equipment Number*	18			Mandatory
2	Material Number/Components*	18			Mandatory
3	Description*	40			Mandatory
4	Noun, Modifier*				Refer Noun Modifier Table
5	This is Spare Part (Y/N)	**			Mandatory
6	Part For*	**			Mandatory
7	Size/Dimension*	**			Mandatory
8	Serial Number*	**			Mandatory
9	Part Number*	**			Mandatory
10	Drawing Number*	**			Mandatory
11	Item Number*	**			Mandatory
12	Manufacturer*	**			Mandatory
13	Additional Detail	**			Mandatory
15-32	Characteristic*	**			Refer Noun Modifier Table
15	PO Text	**			Automatic Generated

Note:
* is mandatory
** the maximum number of characters can be adjusted

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b. Bill of Material (BOM) Responsibility

No	Field	Max Character Input	Split of Scope		Remarks
			Contractor	Owner	
1	Equipment Number*	18	√		Mandatory
2	Plant*	4	√		Mandatory
3	BOM Usage	1	√		
4	Valid From	8		√	
5	BOM Item Number*	4	√		Mandatory
6	Item Category*	1		√	Mandatory
7	Material Number/Component*	18	√		Mandatory
8	Quantity*	18	√		Mandatory
9	UOM*	3	√		Mandatory
10	Sort String	10	√		
11	Item Text Line 1*	40	√		Mandatory
12	Item Text Line 2*	40	√		Mandatory
13	Spare Part Indicator*	1		√	Mandatory
14	Assembly Indicator	1	√		
15	Installation Point	20	√		
16	Sub-item Quantity	18	√		
17	Sub-item Text	40	√		

Note:

* is mandatory

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Attachment 6 - Table Noun Modifier

a. Noun Modifier

NOUN,MODIFIER NAME	Material Group	Deskripsi MG	CLASS ID
ABRASIVE,BELT	K	Paints, Chemicals and Laboratory	K02010
ABRASIVE,DISC	K	Paints, Chemicals and Laboratory	K02020
ABRASIVE,MISC	K	Paints, Chemicals and Laboratory	K02090
ABRASIVE,PAD	K	Paints, Chemicals and Laboratory	K02030
ABRASIVE,PARTICLE	K	Paints, Chemicals and Laboratory	K02040
ABRASIVE,ROLL	K	Paints, Chemicals and Laboratory	K02050
ABRASIVE,SHEET	K	Paints, Chemicals and Laboratory	K02060
ABRASIVE,SLEEVE	K	Paints, Chemicals and Laboratory	K02070
ABSORBENT,MISC	K	Paints, Chemicals and Laboratory	K04090
ABSORBER,MISC	C	Plant and Machinery	C00590
ABSORBER,SHOCK	C	Plant and Machinery	C00550
ACCELERATOR,MISC	C	Plant and Machinery	C00890
ACCELEROMETER,MISC	J	Tools and Packing	J01090
ACCUMULATOR,MISC	C	Plant and Machinery	C01190
ACTUATOR,DIAPHRAGM	E	Machinery Accessories and Instruments	E00520
ACTUATOR,ELECTRIC MOTOR	E	Machinery Accessories and Instruments	E00550
ACTUATOR,MISC	E	Machinery Accessories and Instruments	E00590
ACTUATOR,PNEUMATIC	E	Machinery Accessories and Instruments	E00580
ADAPTER,COMMUNICATIONS	H	Tubular Goods, Valves and Fittings	H01010
ADAPTER,CONDUIT	H	Tubular Goods, Valves and Fittings	H01005
ADAPTER,DRILL	H	Tubular Goods, Valves and Fittings	H01015
ADAPTER,HOSE	H	Tubular Goods, Valves and Fittings	H01020
ADAPTER,HOSE REDUCING	H	Tubular Goods, Valves and Fittings	H01025
ADAPTER,HOSE TO PIPE	H	Tubular Goods, Valves and Fittings	H01030
ADAPTER,LAMP SOCKET	H	Tubular Goods, Valves and Fittings	H01035
ADAPTER,MISC	H	Tubular Goods, Valves and Fittings	H01090
ADAPTER,PIPE	H	Tubular Goods, Valves and Fittings	H01040
ADAPTER,PIPE REDUCING	H	Tubular Goods, Valves and Fittings	H01045
ADAPTER,PLUG TO RECEPTACLE	H	Tubular Goods, Valves and Fittings	H01050
ADAPTER,SOCKET DRIVE	H	Tubular Goods, Valves and Fittings	H01055
ADAPTER,TUBE	H	Tubular Goods, Valves and Fittings	H01075
ADAPTER,TUBE REDUCING	H	Tubular Goods, Valves and Fittings	H01085
ADAPTER,TUBE TO HOSE	H	Tubular Goods, Valves and Fittings	H01060
ADAPTER,TUBE TO PIPE	H	Tubular Goods, Valves and Fittings	H01065
ADAPTER,TUBE TO PIPE, BULKHEAD	H	Tubular Goods, Valves and Fittings	H01070
ADAPTER,TUBE, BULKHEAD	H	Tubular Goods, Valves and Fittings	H01080

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ADDER,MISC	E	Machinery Accessories and Instruments	E01090
ADDITIVE,MISC	A	OILS AND OIL PRODUCTS	A01090
ADHESIVE,MISC	K	Paints, Chemicals and Laboratory	K06090
ADJUSTER,MISC	J	Tools and Packing	J01590
AERATOR,MISC	E	Machinery Accessories and Instruments	E01590
AGENT,MISC	K	Paints, Chemicals and Laboratory	K08090
AGGREGATE,MISC	I	Building Material, Metals and Hardware	I01090
AGITATOR,MISC	C	Plant and Machinery	C01490
AIR CONDITIONER,MISC	M	Household, Office, Fire and Safety	M01090
AIR DUCT,MISC	N	Other Materials Unclassified	N10290
ALARM,MISC	G	Electrical	G00590
ALING,MISC	N	Other Materials Unclassified	N10590
ALTERNATOR,MISC	G	Electrical	G01090
AMMETER,MISC	G	Electrical	G01590
AMPLIFIER,MISC	G	Electrical	G02090
ANALYZER,MISC	E	Machinery Accessories and Instruments	E02090
ANCHOR,EARTH	I	Building Material, Metals and Hardware	I02005
ANCHOR,MISC	I	Building Material, Metals and Hardware	I02090
ANCHOR,SCREW	I	Building Material, Metals and Hardware	I02020
ANCHOR,STUD	I	Building Material, Metals and Hardware	I02035
ANCHOR,TOGGLE BOLT	I	Building Material, Metals and Hardware	I02065
ANCHOR,TUBING	I	Building Material, Metals and Hardware	I02050
ANEMOMETER,MISC	J	Tools and Packing	J02090
ANGLE,FRAMING	I	Building Material, Metals and Hardware	I03020
ANGLE,FRAMING FITTING	I	Building Material, Metals and Hardware	I03050
ANGLE,MISC	I	Building Material, Metals and Hardware	I03090
ANGLE,STRUCTURAL	I	Building Material, Metals and Hardware	I03080
ANILINE,MISC	L	Medical	L31290
ANNUNCIATOR,MISC	G	Electrical	G02590
ANODE,MISC	G	Electrical	G03090
ANODE,PIPING	G	Electrical	G03050
ANTENNA,MISC	G	Electrical	G03590
ANVIL,MISC	J	Tools and Packing	J02590
APPLICATOR,MISC	G	Electrical	G04090
APRON,MISC	M	Household, Office, Fire and Safety	M01590
ARBOR,HOLE SAW	J	Tools and Packing	J03050

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

ARBOR,MISC	J	Tools and Packing	J03090
ARM,MISC	C	Plant and Machinery	C01790
ARMATURE,MISC	C	Plant and Machinery	C02090
ARRESTER,ELECTRICAL	E	Machinery Accessories and Instruments	E02520
ARRESTER,FLAME	E	Machinery Accessories and Instruments	E02550
ARRESTER,MISC	E	Machinery Accessories and Instruments	E02590
ASHTRAY,MISC	M	Household, Office, Fire and Safety	M02090
ASPHALT,MISC	A	OILS AND OIL PRODUCTS	A02090
ASPIRATOR,MISC	E	Machinery Accessories and Instruments	E03090
ASSEMBLY,MISC	C	Plant and Machinery	C02390
ATOMIZER,MISC	C	Plant and Machinery	C02690
ATTACHMENT,MISC	E	Machinery Accessories and Instruments	E03590
ATTENUATOR,MISC	G	Electrical	G04390
AUGER,CONVEYOR	J	Tools and Packing	J03520
AUGER,EARTH	J	Tools and Packing	J03550
AUGER,MISC	J	Tools and Packing	J03590
AXE,MISC	J	Tools and Packing	J04090
AXLE,MISC	C	Plant and Machinery	C02990
BACK,MISC	E	Machinery Accessories and Instruments	E03790
BACKBOARD,MEDICAL	E	Machinery Accessories and Instruments	E04050
BACKBOARD,MISC	E	Machinery Accessories and Instruments	E04090
BADGE,MISC	M	Household, Office, Fire and Safety	M02590
BAFFLE,MISC	C	Plant and Machinery	C03290
BAG,FILTER	M	Household, Office, Fire and Safety	M03020
BAG,MISC	M	Household, Office, Fire and Safety	M03090
BAG,TOOL	M	Household, Office, Fire and Safety	M03050
BAIL,MISC	B	Drilling and Production	B01090
BAILER,MISC	B	Drilling and Production	B02090
BALANCER,FLOW	C	Plant and Machinery	C03550
BALANCER,MISC	C	Plant and Machinery	C03590
BALL,BOTTOM HOLE PUMP	E	Machinery Accessories and Instruments	E04520
BALL,MISC	E	Machinery Accessories and Instruments	E04590
BALL,TRAILER	E	Machinery Accessories and Instruments	E04550
BALL,VALVE	E	Machinery Accessories and Instruments	E04580
BALLAST,MISC	G	Electrical	G04590
BALM,MISC	M	Household, Office, Fire and Safety	M03190
BAND AID,MISC	M	Household, Office, Fire and Safety	M03290

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BAND,HEAD	I	Building Material, Metals and Hardware	I04010
BAND,MISC	I	Building Material, Metals and Hardware	I04090
BAND,POLE	I	Building Material, Metals and Hardware	I04030
BAND,STRAPPING	I	Building Material, Metals and Hardware	I04050
BAND,SWEAT	I	Building Material, Metals and Hardware	I04070
BANNER,MISC	M	Household, Office, Fire and Safety	M03390
BAR,FLAT	I	Building Material, Metals and Hardware	I05005
BAR,HEX	I	Building Material, Metals and Hardware	I05015
BAR,MACHINING TOOL	I	Building Material, Metals and Hardware	I05025
BAR,MISC	I	Building Material, Metals and Hardware	I05090
BAR,OCTAGON	I	Building Material, Metals and Hardware	I05035
BAR,REINFORCING	I	Building Material, Metals and Hardware	I05045
BAR,ROUND	I	Building Material, Metals and Hardware	I05055
BAR,ROUND, CORED	I	Building Material, Metals and Hardware	I05065
BAR,SQUARE	I	Building Material, Metals and Hardware	I05075
BAROMETER,MISC	J	Tools and Packing	J04590
BARREL,BOTTOM HOLE PUMP	C	Plant and Machinery	C03850
BARREL,MISC	C	Plant and Machinery	C03890
BARRICADE,MISC	M	Household, Office, Fire and Safety	M03490
BARRIER,MISC	E	Machinery Accessories and Instruments	E05590
BARRIER,ZENER	E	Machinery Accessories and Instruments	E05550
BASE,MISC	G	Electrical	G05090
BASE,POLE	G	Electrical	G05050
BASIN,MISC	K	Paints, Chemicals and Laboratory	K10090
BASKET,MISC	B	Drilling and Production	B03090
BASKET,STRAINER	B	Drilling and Production	B03020
BASKET,WASTE	B	Drilling and Production	B03050
BASKETS,MISC	M	Household, Office, Fire and Safety	M03590
BASKETS,STRAINER	M	Household, Office, Fire and Safety	M03520
BASKETS,WASTE	M	Household, Office, Fire and Safety	M03550
BATH,MISC	I	Building Material, Metals and Hardware	I06090
BATH,TEMPERATURE CONTROLLED	I	Building Material, Metals and Hardware	I06050
BATTERY,DRY CELL	G	Electrical	G05520
BATTERY,MISC	G	Electrical	G05590

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BATTERY,PACK	G	Electrical	G05550
BATTERY,STORAGE	G	Electrical	G05580
BAYONET,MISC	J	Tools and Packing	J05090
BEAKER LAB,MISC	L	Medical	L21690
BEAKER,MISC	K	Paints, Chemicals and Laboratory	K12090
BEAM,MISC	I	Building Material, Metals and Hardware	I07090
BEAM,STRUCTURAL	I	Building Material, Metals and Hardware	I07050
BEAN,CHOKE	B	Drilling and Production	B04090
BEARING,ASSY	E	Machinery Accessories and Instruments	E06003
BEARING,BALL	E	Machinery Accessories and Instruments	E06005
BEARING,CAM FOLLOWER	E	Machinery Accessories and Instruments	E06010
BEARING,FLANGE BLOCK	E	Machinery Accessories and Instruments	E06015
BEARING,LINEAR	E	Machinery Accessories and Instruments	E06020
BEARING,LINER	E	Machinery Accessories and Instruments	E06017
BEARING,MARINE	E	Machinery Accessories and Instruments	E06025
BEARING,MISC2	E	Machinery Accessories and Instruments	E06091
BEARING,PILLOW BLOCK	E	Machinery Accessories and Instruments	E06030
BEARING,ROD END	E	Machinery Accessories and Instruments	E06040
BEARING,ROLLER	E	Machinery Accessories and Instruments	E06035
BEARING,SLEEVE	E	Machinery Accessories and Instruments	E06045
BEARING,TAKE-UP	E	Machinery Accessories and Instruments	E06050
BED,MISC	M	Household, Office, Fire and Safety	M04090
BEDCOVER,MISC	M	Household, Office, Fire and Safety	M04190
BEDSHEET,MISC	M	Household, Office, Fire and Safety	M04290
BELL,MISC	G	Electrical	G06090
BELLOWS,MISC	J	Tools and Packing	J05590
BELT UNIT,MISC	M	Household, Office, Fire and Safety	M04390
BELT,CONVEYOR	E	Machinery Accessories and Instruments	E06505
BELT,MISC	E	Machinery Accessories and Instruments	E06590
BELT,SAFETY	E	Machinery Accessories and Instruments	E06520
BELT,TIMING	E	Machinery Accessories and Instruments	E06535
BELT,TOOL	E	Machinery Accessories and Instruments	E06550

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

BELT,V	E	Machinery Accessories and Instruments	E06565
BENCH,MISC	M	Household, Office, Fire and Safety	M04590
BEND,MISC	H	Tubular Goods, Valves and Fittings	H02090
BEND,PIPE	H	Tubular Goods, Valves and Fittings	H02050
BENDER,MISC	J	Tools and Packing	J06090
BENDER,PIPE/CONDUIT	J	Tools and Packing	J06020
BENDER,TUBING	J	Tools and Packing	J06050
BEVEL,MISC	C	Plant and Machinery	C04190
BEVERAGE,MISC	M	Household, Office, Fire and Safety	M04690
BEZEL,MISC	G	Electrical	G06590
BIB,MISC	J	Tools and Packing	J07090
BICYCLE,MISC	M	Household, Office, Fire and Safety	M04790
BIN,MISC	M	Household, Office, Fire and Safety	M05090
BINDER,CLIPS	M	Household, Office, Fire and Safety	M05580
BINDER,LOAD	M	Household, Office, Fire and Safety	M05520
BINDER,LOOSE LEAF	M	Household, Office, Fire and Safety	M05550
BINDER,MISC	M	Household, Office, Fire and Safety	M05590
BINDER,RING	M	Household, Office, Fire and Safety	M05570
BINOCULARS,MISC	M	Household, Office, Fire and Safety	M06090
BIT SET,DRIVE	B	Drilling and Production	B06010
BIT SET,DRIVE SOCKET	B	Drilling and Production	B06030
BIT SET,MISC	B	Drilling and Production	B06090
BIT SET,ROUTER	B	Drilling and Production	B06050
BIT SET,WOOD	B	Drilling and Production	B06070
BIT,DRIVE	B	Drilling and Production	B05010
BIT,DRIVE SOCKET	B	Drilling and Production	B05020
BIT,MISC	B	Drilling and Production	B05090
BIT,ROCK	B	Drilling and Production	B05030
BIT,ROUTER	B	Drilling and Production	B05040
BIT,TOOL	B	Drilling and Production	B05050
BIT,WOOD	B	Drilling and Production	B05060
BITS,MISC	J	Tools and Packing	J07590
BITS,ROCK	J	Tools and Packing	J07530
BITS,TOOL	J	Tools and Packing	J07550
BLADDER,ACCUMULATOR	E	Machinery Accessories and Instruments	E07050
BLADDER,MISC	E	Machinery Accessories and Instruments	E07090
BLADE SET,MISC	C	Plant and Machinery	C05090
BLADE SET,SAW	C	Plant and Machinery	C05020
BLADE SET,TURBINE	C	Plant and Machinery	C05050
BLADE,BAND SAW	C	Plant and Machinery	C04705
BLADE,CIRCULAR SAW	C	Plant and Machinery	C04710
BLADE,ELECTRICAL	C	Plant and Machinery	C04715
BLADE,FAN	C	Plant and Machinery	C04720
BLADE,KNIFE	C	Plant and Machinery	C04725

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BLADE,MEASURING	C	Plant and Machinery	C04730
BLADE,MISC	C	Plant and Machinery	C04790
BLADE,STRAIGHT SAW	C	Plant and Machinery	C04735
BLADE,TURBINE	C	Plant and Machinery	C04740
BLADE,WIPER	C	Plant and Machinery	C04745
BLANK,MISC	M	Household, Office, Fire and Safety	M06590
BLANKET,ELECTRICAL INSULATING	M	Household, Office, Fire and Safety	M07050
BLANKET,MISC	M	Household, Office, Fire and Safety	M07090
BLENDER,MISC	M	Household, Office, Fire and Safety	M07590
BLIND,MISC	H	Tubular Goods, Valves and Fittings	H04090
BLIND,PIPE	H	Tubular Goods, Valves and Fittings	H04020
BLIND,WINDOW	H	Tubular Goods, Valves and Fittings	H04050
BLOCK,CONTACT	C	Plant and Machinery	C05310
BLOCK,FUSE	C	Plant and Machinery	C05330
BLOCK,MISC	C	Plant and Machinery	C05390
BLOCK,ROPE	C	Plant and Machinery	C05350
BLOCK,TERMINAL	C	Plant and Machinery	C05370
BLOWER,LEAF	C	Plant and Machinery	C05620
BLOWER,MISC	C	Plant and Machinery	C05690
BLOWER,SNOW	C	Plant and Machinery	C05650
BLOWER,SOOT	C	Plant and Machinery	C05680
BLOWOUT PREVENTER,MISC	B	Drilling and Production	B07090
BOARD,INSULATION	I	Building Material, Metals and Hardware	I08010
BOARD,MISC	I	Building Material, Metals and Hardware	I08090
BOARD,PRINTED CIRCUIT	I	Building Material, Metals and Hardware	I08030
BOARD,TERMINAL	I	Building Material, Metals and Hardware	I08050
BOARD,WALL	I	Building Material, Metals and Hardware	I08070
BOAT UMUM,MISC	M	Household, Office, Fire and Safety	M07690
BOAT,MISC	D	Transportation	D05090
BOBBIN,MISC	N	Other Materials Unclassified	N12090
BODY,CONDUIT OUTLET	C	Plant and Machinery	C05920
BODY,MISC	C	Plant and Machinery	C05990
BODY,VALVE	C	Plant and Machinery	C05950
BOILER,ELECTRIC	C	Plant and Machinery	C06220
BOILER,FUEL FIRED	C	Plant and Machinery	C06250
BOILER,MISC	C	Plant and Machinery	C06290
BOLT SET,MISC	I	Building Material, Metals and Hardware	I10090
BOLT,ANCHOR	I	Building Material, Metals and Hardware	I09005
BOLT,CARRIAGE	I	Building Material, Metals and Hardware	I09010

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

BOLT,DOUBLE ARMING	I	Building Material, Metals and Hardware	I09015
BOLT,ELEVATOR	I	Building Material, Metals and Hardware	I09020
BOLT,EYE	I	Building Material, Metals and Hardware	I09025
BOLT,J	I	Building Material, Metals and Hardware	I09030
BOLT,LIFTING EYE	I	Building Material, Metals and Hardware	I09035
BOLT,MACHINE	I	Building Material, Metals and Hardware	I09040
BOLT,MISC3	I	Building Material, Metals and Hardware	I09092
BOLT,PLOW	I	Building Material, Metals and Hardware	I09045
BOLT,SHOULDER	I	Building Material, Metals and Hardware	I09050
BOLT,STOVE	I	Building Material, Metals and Hardware	I09055
BOLT,STUD	I	Building Material, Metals and Hardware	I09075
BOLT,T	I	Building Material, Metals and Hardware	I09060
BOLT,U	I	Building Material, Metals and Hardware	I09065
BOLT,UPSET	I	Building Material, Metals and Hardware	I09070
BOND,MISC	C	Plant and Machinery	C06390
BONNET,MISC	I	Building Material, Metals and Hardware	I11090
BONNET,VALVE	I	Building Material, Metals and Hardware	I11050
BOOK,MISC	M	Household, Office, Fire and Safety	M08090
BOOK,PERSONAL ORGANIZER	M	Household, Office, Fire and Safety	M08020
BOOK,REFERENCE	M	Household, Office, Fire and Safety	M08050
BOOKLET,MISC	M	Household, Office, Fire and Safety	M08390
BOOM,MISC	M	Household, Office, Fire and Safety	M08590
BOOSTER,AIR	G	Electrical	G07020
BOOSTER,CHARGE	G	Electrical	G07050
BOOSTER,MISC	G	Electrical	G07090
BOOT,MISC	M	Household, Office, Fire and Safety	M09090
BOOTH,MISC	F	Buildings, Tanks and Shop Equipment	F02590
BOOTS,MISC	M	Household, Office, Fire and Safety	M09590
BORESCOPE,MISC	J	Tools and Packing	J08090
BOTTLE LAB,MISC	L	Medical	L21790
BOTTLE,MISC	M	Household, Office, Fire and Safety	M10090
BOTTOM,DOOR	C	Plant and Machinery	C06450
BOTTOM,MISC	C	Plant and Machinery	C06490
BOWL,MISC	C	Plant and Machinery	C06590

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

BOWL,PUMP	C	Plant and Machinery	C06550
BOX,CONDUIT OUTLET	M	Household, Office, Fire and Safety	M10520
BOX,CONDUIT, CAST DEVICE	M	Household, Office, Fire and Safety	M10510
BOX,ELECTRICAL	M	Household, Office, Fire and Safety	M10530
BOX,MISC	M	Household, Office, Fire and Safety	M10590
BOX,SERVICE METER	M	Household, Office, Fire and Safety	M10540
BOX,STUFFING	M	Household, Office, Fire and Safety	M10550
BOX,TOOL	M	Household, Office, Fire and Safety	M10560
BRACE,MEDICAL	J	Tools and Packing	J08520
BRACE,MISC	J	Tools and Packing	J08590
BRACE,POLE	J	Tools and Packing	J08550
BRACKET,FRAMING FITTING	G	Electrical	G07550
BRACKET,MISC	G	Electrical	G07590
BRAID,MISC	G	Electrical	G08090
BRAKE,MISC	C	Plant and Machinery	C06890
BRANCH,MISC	N	Other Materials Unclassified	N12590
BREAKER,CIRCUIT	G	Electrical	G08550
BREAKER,MISC	G	Electrical	G08590
BREATHER,MISC	G	Electrical	G09090
BRICK,MISC	I	Building Material, Metals and Hardware	I12090
BRIDGE,ELECTRICAL	F	Buildings, Tanks and Shop Equipment	F05050
BRIDGE,MISC	F	Buildings, Tanks and Shop Equipment	F05090
BRIEFCASE,MISC	M	Household, Office, Fire and Safety	M11090
BROACH SET,MISC	B	Drilling and Production	B08090
BROCHURE,MISC	M	Household, Office, Fire and Safety	M11590
BROOM,MISC	I	Building Material, Metals and Hardware	I13090
BRUSH SET,ELECTRICAL	I	Building Material, Metals and Hardware	I15050
BRUSH SET,MISC	I	Building Material, Metals and Hardware	I15090
BRUSH,ELECTRICAL	I	Building Material, Metals and Hardware	I14010
BRUSH,MISC	I	Building Material, Metals and Hardware	I14090
BRUSH,PAINT	I	Building Material, Metals and Hardware	I14030
BRUSH,TUBE	I	Building Material, Metals and Hardware	I14050
BRUSH,WIRE	I	Building Material, Metals and Hardware	I14070
BUBBLER,MISC	E	Machinery Accessories and Instruments	E07590
BUCKET,MISC	I	Building Material, Metals and Hardware	I16090
BUCKET,STEAM TRAP	I	Building Material, Metals and Hardware	I16050

BUCKLE,MISC	H	Tubular Goods, Valves and Fittings	H06090
BUFFER,ELECTRONIC	C	Plant and Machinery	C07150
BUFFER,MISC	C	Plant and Machinery	C07190
BUFFLE,MISC	C	Plant and Machinery	C07290
BUILDING,MISC	F	Buildings, Tanks and Shop Equipment	F10090
BULB LAB,MISC	L	Medical	L21190
BULB,MISC	G	Electrical	G09590
BULB,TEMPERATURE	G	Electrical	G09550
BULKHEAD,MISC	M	Household, Office, Fire and Safety	M11890
BULLETIN,MISC	M	Household, Office, Fire and Safety	M11790
BUMPER,MISC	C	Plant and Machinery	C07490
BUNDLE,MISC	C	Plant and Machinery	C07790
BUNDLE,TUBE	C	Plant and Machinery	C07750
BUOY,MISC	D	Transportation	D10090
BUR,MISC	J	Tools and Packing	J08690
BURETTE,MISC	K	Paints, Chemicals and Laboratory	K13090
BURNER,MISC	C	Plant and Machinery	C08090
BUS,MISC	D	Transportation	D15090
BUSH,MISC	C	Plant and Machinery	C08290
BUSHING,BOTTOM HOLE PUMP	H	Tubular Goods, Valves and Fittings	H08005
BUSHING,CONDUIT	H	Tubular Goods, Valves and Fittings	H08010
BUSHING,DRIVE	H	Tubular Goods, Valves and Fittings	H08015
BUSHING,ELECTRICAL CONDUCTOR	H	Tubular Goods, Valves and Fittings	H08020
BUSHING,GUIDE	H	Tubular Goods, Valves and Fittings	H08025
BUSHING,KELLY	H	Tubular Goods, Valves and Fittings	H08030
BUSHING,MISC	H	Tubular Goods, Valves and Fittings	H08090
BUSHING,PIPE	H	Tubular Goods, Valves and Fittings	H08035
BUSHING,PIPE, HEX	H	Tubular Goods, Valves and Fittings	H08040
BUSHING,PUMP	H	Tubular Goods, Valves and Fittings	H08045
BUSHING,ROTARY	H	Tubular Goods, Valves and Fittings	H08050
BUSHING,THROTTLE	H	Tubular Goods, Valves and Fittings	H08055
BUSHING,VALVE	H	Tubular Goods, Valves and Fittings	H08060
BUTTON,MISC	E	Machinery Accessories and Instruments	E08090
BUZZER,MISC	G	Electrical	G10090
CABINET,FILE	M	Household, Office, Fire and Safety	M12020
CABINET,FURNITURE	M	Household, Office, Fire and Safety	M12050
CABINET,MISC	M	Household, Office, Fire and Safety	M12090
CABLE,COAXIAL	G	Electrical	G10520
CABLE,FIBER OPTIC	G	Electrical	G10550
CABLE,HEAT TRACE	G	Electrical	G10580
CABLE,MISC	G	Electrical	G10590
CAGE,BEARING	C	Plant and Machinery	C08320
CAGE,MISC	C	Plant and Machinery	C08390
CAGE,PUMP SEAL	C	Plant and Machinery	C08350

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Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

CAGE,VALVE	C	Plant and Machinery	C08380
CALCULATOR,MISC	M	Household, Office, Fire and Safety	M12590
CALENDAR,DESK	M	Household, Office, Fire and Safety	M13040
CALENDAR,MISC	M	Household, Office, Fire and Safety	M13090
CALENDAR,WALL	M	Household, Office, Fire and Safety	M13050
CALIBRATOR,MISC	E	Machinery Accessories and Instruments	E08590
CALIPER,BRAKE	J	Tools and Packing	J09050
CALIPER,MISC	J	Tools and Packing	J09090
CAM,MISC	C	Plant and Machinery	C08690
CAMERA,MISC	M	Household, Office, Fire and Safety	M13590
CAN,MISC	C	Plant and Machinery	C08990
CANDLE,MISC	M	Household, Office, Fire and Safety	M14090
CANISTER,GAS MASK	M	Household, Office, Fire and Safety	M14150
CANISTER,MISC	M	Household, Office, Fire and Safety	M14190
CANOPY,MISC	M	Household, Office, Fire and Safety	M14590
CAP,CONDUIT	C	Plant and Machinery	C09210
CAP,MISC	C	Plant and Machinery	C09290
CAP,PIPE	C	Plant and Machinery	C09230
CAP,TUBE	C	Plant and Machinery	C09250
CAP,XMAS TREE	C	Plant and Machinery	C09270
CAPACITOR,BANK	G	Electrical	G11020
CAPACITOR,LINE	G	Electrical	G11050
CAPACITOR,MISC	G	Electrical	G11090
CAPE,MISC	M	Household, Office, Fire and Safety	M15090
CAPILLARY,MISC	E	Machinery Accessories and Instruments	E09590
CAPSULE,MISC	E	Machinery Accessories and Instruments	E10090
CAPSULE,SURVIVAL	E	Machinery Accessories and Instruments	E10050
CARBONATOR,MISC	E	Machinery Accessories and Instruments	E10590
CARBURETOR,MISC	E	Machinery Accessories and Instruments	E11090
CARD,COMPUTER	M	Household, Office, Fire and Safety	M15520
CARD,INDEX	M	Household, Office, Fire and Safety	M15550
CARD,MISC	M	Household, Office, Fire and Safety	M15590
CARD,TAB	M	Household, Office, Fire and Safety	M15580
CARPET,MISC	M	Household, Office, Fire and Safety	M16090
CARRIAGE,MISC	C	Plant and Machinery	C09590
CARRIER,MISC	G	Electrical	G11590
CART,MISC	E	Machinery Accessories and Instruments	E11290
CARTRIDGE,FIRE EXTINGUISHER	G	Electrical	G12020
CARTRIDGE,FONT	G	Electrical	G12050
CARTRIDGE,MISC	G	Electrical	G12090

CARTRIDGE,RESPIRATOR	G	Electrical	G12080
CASE,MISC	C	Plant and Machinery	C09890
CASING,MISC	B	Drilling and Production	B09090
CASING,OCTG	B	Drilling and Production	B09020
CASING,PUMP	B	Drilling and Production	B09050
CASINGS,ASSY	C	Plant and Machinery	C10103
CASINGS,MISC	C	Plant and Machinery	C10190
CASINGS,OCTG	C	Plant and Machinery	C10120
CASINGS,PUMP	C	Plant and Machinery	C10150
CASK,MISC	M	Household, Office, Fire and Safety	M16590
CASSEROLE,MISC	K	Paints, Chemicals and Laboratory	K14090
CASTER,MISC	I	Building Material, Metals and Hardware	I17090
CASTING,MISC	I	Building Material, Metals and Hardware	I18090
CATALYST,MISC	K	Paints, Chemicals and Laboratory	K16090
CATCH,MISC	I	Building Material, Metals and Hardware	I19090
CATCHER,MISC	B	Drilling and Production	B10090
CATHEAD,MISC	B	Drilling and Production	B11090
CATHODE,MISC	G	Electrical	G12590
CELL,CONDUCTIVITY	G	Electrical	G13020
CELL,LOAD	G	Electrical	G13050
CELL,MISC	G	Electrical	G13090
CELL,PHOTOELECTRIC	G	Electrical	G13080
CELLOTAPE,MISC	M	Household, Office, Fire and Safety	M16690
CEMENT,MISC	I	Building Material, Metals and Hardware	I20090
CENTER,MISC	C	Plant and Machinery	C10490
CENTRALIZER,MISC	B	Drilling and Production	B12090
CENTRIFUGE,MISC	C	Plant and Machinery	C10790
CERTIFICATE,MISC	M	Household, Office, Fire and Safety	M16790
CHAIN,DRIVE	I	Building Material, Metals and Hardware	I21020
CHAIN,LOAD RATED	I	Building Material, Metals and Hardware	I21050
CHAIN,MISC	I	Building Material, Metals and Hardware	I21090
CHAIN,TIRE	I	Building Material, Metals and Hardware	I21080
CHAIR,MISC	M	Household, Office, Fire and Safety	M17090
CHALK,MISC	M	Household, Office, Fire and Safety	M17590
CHAMBER,MISC	G	Electrical	G13590
CHAMOIS,MISC	M	Household, Office, Fire and Safety	M18090
CHANGER,LAMP	C	Plant and Machinery	C11050
CHANGER,MISC	C	Plant and Machinery	C11090
CHANNEL,FRAMING	I	Building Material, Metals and Hardware	I22020

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CHANNEL,MISC	I	Building Material, Metals and Hardware	I22090
CHANNEL,STRUCTURAL	I	Building Material, Metals and Hardware	I22050
CHAPS,MISC	C	Plant and Machinery	C11390
CHARGE,MISC	G	Electrical	G14090
CHARGER,BATTERY	G	Electrical	G14550
CHARGER,MISC	G	Electrical	G14590
CHART,CIRCULAR	G	Electrical	G15020
CHART,MISC	G	Electrical	G15090
CHART,ROLL	G	Electrical	G15050
CHASSIS,MISC	D	Transportation	D20090
CHECK,MISC	N	Other Materials Unclassified	N13090
CHECKER,MISC	N	Other Materials Unclassified	N13590
CHEMICAL LAB,MISC	K	Paints, Chemicals and Laboratory	K19090
CHEMICAL,MISC	K	Paints, Chemicals and Laboratory	K18090
CHEST,COOLER/WARMER	I	Building Material, Metals and Hardware	I23020
CHEST,ICE	I	Building Material, Metals and Hardware	I23050
CHEST,MISC	I	Building Material, Metals and Hardware	I23090
CHEST,TOOL	I	Building Material, Metals and Hardware	I23080
CHIMNEY,MISC	C	Plant and Machinery	C11690
CHISEL SET,MISC	J	Tools and Packing	J10090
CHISEL,MISC	J	Tools and Packing	J09590
CHISEL,POWER	J	Tools and Packing	J09520
CHISEL,WOOD	J	Tools and Packing	J09550
CHISELPOINT,MISC	J	Tools and Packing	J10190
CHLORINATOR,MISC	F	Buildings, Tanks and Shop Equipment	F15090
CHOKE,MISC	B	Drilling and Production	B12590
CHOLOFORM,MISC	L	Medical	L31390
CHOPPER,MISC	D	Transportation	D25090
CHROMATOGRAPH,MISC	E	Machinery Accessories and Instruments	E11590
CHRONOMETER,MISC	J	Tools and Packing	J10590
CHUCK,JAWED	J	Tools and Packing	J11050
CHUCK,MISC	J	Tools and Packing	J11090
CHUTE,MISC	I	Building Material, Metals and Hardware	I25090
CIRCLIP,MISC	N	Other Materials Unclassified	N13890
CIRCUIT,INTEGRATED	G	Electrical	G15550
CIRCUIT,MISC	G	Electrical	G15590
CIRCULATOR,MISC	E	Machinery Accessories and Instruments	E12090
CLAMP BACK,MISC	G	Electrical	G16090

CLAMP,FUSE CLIP	I	Building Material, Metals and Hardware	I26005
CLAMP,GROUNDING	I	Building Material, Metals and Hardware	I26010
CLAMP,HOLDING	I	Building Material, Metals and Hardware	I26015
CLAMP,HOSE/TUBING	I	Building Material, Metals and Hardware	I26020
CLAMP,HOT LINE	I	Building Material, Metals and Hardware	I26025
CLAMP,JUMPER	I	Building Material, Metals and Hardware	I26030
CLAMP,MISC	I	Building Material, Metals and Hardware	I26090
CLAMP,PARALLEL GROOVE	I	Building Material, Metals and Hardware	I26035
CLAMP,PIPE REPAIR	I	Building Material, Metals and Hardware	I26045
CLAMP,PIPE/CONDUIT	I	Building Material, Metals and Hardware	I26040
CLAMP,POLE SADDLE	I	Building Material, Metals and Hardware	I26050
CLAMP,POST INSULATING	I	Building Material, Metals and Hardware	I26055
CLAMP,STRAIN	I	Building Material, Metals and Hardware	I26060
CLAMP,SUSPENSION	I	Building Material, Metals and Hardware	I26065
CLAMP,WIRE ROPE	I	Building Material, Metals and Hardware	I26070
CLAPPER,MISC	C	Plant and Machinery	C11990
CLASSIFIER,MISC	C	Plant and Machinery	C12290
CLAW,MISC	J	Tools and Packing	J11590
CLAY,MISC	K	Paints, Chemicals and Laboratory	K20090
CLEANER,DRAIN, CHEMICAL	K	Paints, Chemicals and Laboratory	K22010
CLEANER,DRAIN, MANUAL	K	Paints, Chemicals and Laboratory	K22020
CLEANER,DRAIN, POWERED	K	Paints, Chemicals and Laboratory	K22030
CLEANER,FLOOR	K	Paints, Chemicals and Laboratory	K22040
CLEANER,GLASS	K	Paints, Chemicals and Laboratory	K22050
CLEANER,HAND	K	Paints, Chemicals and Laboratory	K22060
CLEANER,MISC	K	Paints, Chemicals and Laboratory	K22090
CLEANER,TIP	K	Paints, Chemicals and Laboratory	K22070
CLEAT,MISC	I	Building Material, Metals and Hardware	I27090
CLEVIS,INSULATOR	C	Plant and Machinery	C12550
CLEVIS,MISC	C	Plant and Machinery	C12590
CLIMBERS,MISC	M	Household, Office, Fire and Safety	M18590
CLIP,ELECTRICAL	M	Household, Office, Fire and Safety	M19020
CLIP,MISC	M	Household, Office, Fire and Safety	M19090
CLIP,TRIGONAL	M	Household, Office, Fire and Safety	M19070
CLIP,TUBING	M	Household, Office, Fire and Safety	M19050

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CLIPBOARD,MISC	M	Household, Office, Fire and Safety	M19590
CLOCK,MISC	G	Electrical	G16590
CLOSURE,MISC	C	Plant and Machinery	C12890
CLOTH,MISC	M	Household, Office, Fire and Safety	M20090
CLUSTER,MISC	C	Plant and Machinery	C13190
CLUTCH,MISC	E	Machinery Accessories and Instruments	E12590
COAT,MISC	M	Household, Office, Fire and Safety	M20590
COATING,INSULATION	K	Paints, Chemicals and Laboratory	K24050
COATING,MISC	K	Paints, Chemicals and Laboratory	K24090
COCK,MISC	H	Tubular Goods, Valves and Fittings	H10090
COIL,DUAL HEAT TRANSFER	G	Electrical	G17020
COIL,ELECTRICAL	G	Electrical	G17050
COIL,MISC	G	Electrical	G17090
COLD PACK,MISC	M	Household, Office, Fire and Safety	M21090
COLLAR,DRILL	B	Drilling and Production	B13020
COLLAR,FLOAT	B	Drilling and Production	B13050
COLLAR,MISC	B	Drilling and Production	B13090
COLLARS,FLOAT	C	Plant and Machinery	C13450
COLLARS,MISC	C	Plant and Machinery	C13490
COLLATOR,MISC	G	Electrical	G17590
COLLECTOR,MISC	C	Plant and Machinery	C13790
COLLET,MISC	C	Plant and Machinery	C14090
COLLET,WELDING	C	Plant and Machinery	C14050
COLORIMETER,MISC	K	Paints, Chemicals and Laboratory	K26090
COLUMN,MISC	C	Plant and Machinery	C14390
COLUMN,PROCESS	C	Plant and Machinery	C14320
COLUMN,PUMP	C	Plant and Machinery	C14350
COMB,MISC	C	Plant and Machinery	C14590
COMMISSION,MISC	M	Household, Office, Fire and Safety	M21290
COMPACTOR,MISC	G	Electrical	G18090
COMPARATOR,MISC	K	Paints, Chemicals and Laboratory	K28090
COMPASS,DRAWING	M	Household, Office, Fire and Safety	M21550
COMPASS,MISC	M	Household, Office, Fire and Safety	M21590
COMPENSATOR,MISC	E	Machinery Accessories and Instruments	E13090
COMPOUND,CAULKING	K	Paints, Chemicals and Laboratory	K30010
COMPOUND,GRINDING	K	Paints, Chemicals and Laboratory	K30030
COMPOUND,MISC	K	Paints, Chemicals and Laboratory	K30090
COMPOUND,POLISHING	K	Paints, Chemicals and Laboratory	K30050
COMPOUND,SEALING	K	Paints, Chemicals and Laboratory	K30070
COMPRESSOR UMUM,MISC	M	Household, Office, Fire and Safety	M21690
COMPRESSOR,AIR	C	Plant and Machinery	C14620
COMPRESSOR,MISC	C	Plant and Machinery	C14690
COMPRESSOR,REFRIGERATION	C	Plant and Machinery	C14650
COMPRESSOR,VALVE	C	Plant and Machinery	C14680

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

COMPUTER,MEMORY	G	Electrical	G18530
COMPUTER,MISC	G	Electrical	G18590
COMPUTER,PERSONAL	G	Electrical	G18550
CONCRETE,MISC	I	Building Material, Metals and Hardware	I28090
CONDENSER,MISC	C	Plant and Machinery	C14990
CONDITIONER,MISC	G	Electrical	G19090
CONDUIT,MISC	G	Electrical	G19590
CONE,BEARING	C	Plant and Machinery	C15220
CONE,MISC	C	Plant and Machinery	C15290
CONE,SAFETY	C	Plant and Machinery	C15250
CONNECTOR,CABLE/CONDUIT	H	Tubular Goods, Valves and Fittings	H12005
CONNECTOR,COMMUNICATIONS	H	Tubular Goods, Valves and Fittings	H12010
CONNECTOR,ELECTRICAL	H	Tubular Goods, Valves and Fittings	H12015
CONNECTOR,ELECTRICAL, DISCONNECT	H	Tubular Goods, Valves and Fittings	H12020
CONNECTOR,ELECTRICAL, POST	H	Tubular Goods, Valves and Fittings	H12025
CONNECTOR,ELECTRICAL, SPLIT BOLT	H	Tubular Goods, Valves and Fittings	H12030
CONNECTOR,ELECTRICAL, STUD	H	Tubular Goods, Valves and Fittings	H12035
CONNECTOR,ELECTRICAL, TEE	H	Tubular Goods, Valves and Fittings	H12040
CONNECTOR,ELECTRICAL, TERMINAL	H	Tubular Goods, Valves and Fittings	H12045
CONNECTOR,ELECTRICAL, WIRE NUT	H	Tubular Goods, Valves and Fittings	H12050
CONNECTOR,FIBER OPTIC	H	Tubular Goods, Valves and Fittings	H12055
CONNECTOR,MISC	H	Tubular Goods, Valves and Fittings	H12090
CONSOLE,MISC	G	Electrical	G20090
CONTACT SET,MISC	C	Plant and Machinery	C15890
CONTACT,MISC	C	Plant and Machinery	C15590
CONTACT,MOVABLE	C	Plant and Machinery	C15520
CONTACT,STATIONARY	C	Plant and Machinery	C15550
CONTACTOR,MISC	G	Electrical	G20590
CONTACTOR,MOTOR	G	Electrical	G20550
CONTAINER,MISC	M	Household, Office, Fire and Safety	M22090
CONTROL,MISC	E	Machinery Accessories and Instruments	E13590
CONTROL,PHOTOELECTRIC	E	Machinery Accessories and Instruments	E13550
CONTROLLER,MISC	E	Machinery Accessories and Instruments	E14090
CONTROLLER,PROGRAMMABLE LOGIC	E	Machinery Accessories and Instruments	E14050
CONVERTER,MISC	E	Machinery Accessories and Instruments	E14590
CONVERTER,SIGNAL	E	Machinery Accessories and Instruments	E14550
CONVEYOR,GRAVITY	C	Plant and Machinery	C16120

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CONVEYOR,MISC	C	Plant and Machinery	C16190
CONVEYOR,SCREW	C	Plant and Machinery	C16150
COOKING OIL,MISC	M	Household, Office, Fire and Safety	M22190
COOLANT,ENGINE	K	Paints, Chemicals and Laboratory	K32050
COOLANT,MISC	K	Paints, Chemicals and Laboratory	K32090
COOLER,DRINKING WATER	C	Plant and Machinery	C16450
COOLER,MISC	C	Plant and Machinery	C16490
COPIER,MISC	M	Household, Office, Fire and Safety	M22590
CORD,COMMUNICATION	G	Electrical	G21020
CORD,EXTENSION	G	Electrical	G21050
CORD,MISC	G	Electrical	G21090
CORD,PATCH	G	Electrical	G21080
CORE,MISC	C	Plant and Machinery	C16790
CORE,RADIATOR	C	Plant and Machinery	C16750
COTTER,MISC	C	Plant and Machinery	C16890
COTTON BUD,MISC	M	Household, Office, Fire and Safety	M22690
COULOMETRIC,MISC	L	Medical	L32790
COUNTER,ELECTRICAL	C	Plant and Machinery	C17050
COUNTER,MISC	C	Plant and Machinery	C17090
COUNTERSINK SET,MISC	C	Plant and Machinery	C17690
COUNTERSINK,MISC	C	Plant and Machinery	C17390
COUPLER,HOSE	H	Tubular Goods, Valves and Fittings	H14020
COUPLER,MISC	H	Tubular Goods, Valves and Fittings	H14090
COUPLER,TUBE	H	Tubular Goods, Valves and Fittings	H14050
COUPLING,BOTTOM HOLE PUMP	H	Tubular Goods, Valves and Fittings	H16005
COUPLING,CONDUIT	H	Tubular Goods, Valves and Fittings	H16015
COUPLING,MISC	H	Tubular Goods, Valves and Fittings	H16090
COUPLING,OCTG	H	Tubular Goods, Valves and Fittings	H16025
COUPLING,PIPE	H	Tubular Goods, Valves and Fittings	H16035
COUPLING,PIPE, HALF	H	Tubular Goods, Valves and Fittings	H16045
COUPLING,ROD	H	Tubular Goods, Valves and Fittings	H16055
COUPLING,SHAFT	H	Tubular Goods, Valves and Fittings	H16065
COUPLING,SHAFT, HALF	H	Tubular Goods, Valves and Fittings	H16075
COVER,CONDUIT OUTLET BODY	C	Plant and Machinery	C17930
COVER,CONDUIT OUTLET BOX	C	Plant and Machinery	C17950
COVER,CONDUIT, CAST DEVICE BOX	C	Plant and Machinery	C17910
COVER,ELECTRICAL BOX	C	Plant and Machinery	C17970
COVER,MISC2	C	Plant and Machinery	C17991
COVERALL,MISC	M	Household, Office, Fire and Safety	M39590
CRAB,MISC	C	Plant and Machinery	C18090
CRADLE,MISC	G	Electrical	G21590
CRANE,MISC	I	Building Material, Metals and Hardware	I29090
CRANK,MISC	C	Plant and Machinery	C18290
CRANKSHAFT,MISC	C	Plant and Machinery	C18590

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CRAYON,MISC	M	Household, Office, Fire and Safety	M23090
CRAYON,TEMPERATURE INDICATING	M	Household, Office, Fire and Safety	M23050
CREEPER,HEADREST	D	Transportation	D30020
CREEPER,MISC	D	Transportation	D30090
CREEPER,SEAT	D	Transportation	D30050
CRIMPER,MISC	C	Plant and Machinery	C18890
CRIMPER/STRIPPER,MISC	C	Plant and Machinery	C19190
CROSS,MISC	G	Electrical	G22090
CROSS,PIPE	G	Electrical	G22020
CROSS,TRAY	G	Electrical	G22050
CROSS,TUBE	G	Electrical	G22080
CROSSARM,MISC	C	Plant and Machinery	C19490
CROSSARM,POLE	C	Plant and Machinery	C19450
CROSSBAR,MISC	I	Building Material, Metals and Hardware	I30090
CROSSHEAD,MISC	C	Plant and Machinery	C19790
CROSSOVER,MISC	H	Tubular Goods, Valves and Fittings	H18090
CROSSOVER,MISC	H	Tubular Goods, Valves and Fittings	H18090
CRUCIBLE,MISC	K	Paints, Chemicals and Laboratory	K34090
CRUDE OIL,MISC	A	OILS AND OIL PRODUCTS	A03090
CRUSHER,MISC	C	Plant and Machinery	C20090
CRYSTAL,MISC	G	Electrical	G22590
CULVERT,MISC	F	Buildings, Tanks and Shop Equipment	F20090
CUP,BEARING	E	Machinery Accessories and Instruments	E15030
CUP,BOTTOM HOLE PUMP	E	Machinery Accessories and Instruments	E15010
CUP,MEASURING	E	Machinery Accessories and Instruments	E15050
CUP,MISC	E	Machinery Accessories and Instruments	E15090
CUP,SWAB	E	Machinery Accessories and Instruments	E15070
CUPBOARD,MISC	M	Household, Office, Fire and Safety	M23490
CURTAIN,LIGHT	M	Household, Office, Fire and Safety	M23550
CURTAIN,MISC	M	Household, Office, Fire and Safety	M23590
CUSHION,MISC	C	Plant and Machinery	C20390
CUTOUT,FUSE	C	Plant and Machinery	C20620
CUTOUT,MISC	C	Plant and Machinery	C20690
CUTOUT,THERMAL	C	Plant and Machinery	C20650
CUTTER,BLADE	J	Tools and Packing	J12030
CUTTER,MISC	J	Tools and Packing	J12090
CUTTER,WIRE	J	Tools and Packing	J12050
CUVETTE,MISC	C	Plant and Machinery	C20990
CYCLE,2 -WHEELED	D	Transportation	D32520
CYCLE,3 -WHEELED	D	Transportation	D32550

CYCLE,MISC	D	Transportation	D32590
CYLINDER,GRADUATED	F	Buildings, Tanks and Shop Equipment	F25020
CYLINDER,LINEAR ACTUATING	F	Buildings, Tanks and Shop Equipment	F25050
CYLINDER,MISC	F	Buildings, Tanks and Shop Equipment	F25090
CYLINDER,SAMPLE	F	Buildings, Tanks and Shop Equipment	F25080
DAMPENER,MISC	E	Machinery Accessories and Instruments	E15590
DAMPER,MISC	E	Machinery Accessories and Instruments	E16090
DAMPER,VIBRATION	E	Machinery Accessories and Instruments	E16050
DART,MISC	C	Plant and Machinery	C21290
DASHPOT,MISC	C	Plant and Machinery	C21590
DECAL,MISC	C	Plant and Machinery	C21890
DECK,MISC	C	Plant and Machinery	C22190
DECODER,MISC	G	Electrical	G23090
DEFLECTOR,MISC	C	Plant and Machinery	C22490
DEHUMIDIFIER,MISC	K	Paints, Chemicals and Laboratory	K75090
DEHYDRATOR,MISC	C	Plant and Machinery	C22790
DEMISTER,MISC	C	Plant and Machinery	C22890
DENTAL INSTRUMENT,HAND-HELD	L	Medical	L10020
DENTAL INSTRUMENT,MISC	L	Medical	L10090
DENTAL INSTRUMENT,TOOL ATTACHMENT	L	Medical	L10050
DEODORANT,MISC	L	Medical	L20090
DESICCANT,MISC	C	Plant and Machinery	C23090
DESK,MISC	M	Household, Office, Fire and Safety	M24090
DETECTOR,FIRE PROTECTION	E	Machinery Accessories and Instruments	E16510
DETECTOR,LEAK	E	Machinery Accessories and Instruments	E16530
DETECTOR,LEAK, INSTRUMENT	E	Machinery Accessories and Instruments	E16550
DETECTOR,MISC	E	Machinery Accessories and Instruments	E16590
DETECTOR,RESISTANCE TEMPERATURE	E	Machinery Accessories and Instruments	E16570
DEVELOPER,MISC	C	Plant and Machinery	C23390
DEVICE,MISC	E	Machinery Accessories and Instruments	E17090
DEVIDER,MISC	C	Plant and Machinery	C23590
DIAL,MISC	E	Machinery Accessories and Instruments	E17590
DIAL,TELEPHONE	E	Machinery Accessories and Instruments	E17550
DIALER,MISC	E	Machinery Accessories and Instruments	E18090

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DIAPER,MISC	L	Medical	L30090
DIAPHRAGM,ACTUATOR	E	Machinery Accessories and Instruments	E18520
DIAPHRAGM,MISC	E	Machinery Accessories and Instruments	E18590
DIAPHRAGM,REGULATOR	E	Machinery Accessories and Instruments	E18550
DIAPHRAGM,VALVE	E	Machinery Accessories and Instruments	E18580
DIE SET,MISC	J	Tools and Packing	J13090
DIE SET,THREADING	J	Tools and Packing	J13050
DIE STOCK,MISC	J	Tools and Packing	J13590
DIE,COMPRESSION	J	Tools and Packing	J12520
DIE,KNOCKOUT	J	Tools and Packing	J12550
DIE,MISC	J	Tools and Packing	J12590
DIE,THREADING	J	Tools and Packing	J12580
DIFFERENTIAL,AUTOMOTIVE	E	Machinery Accessories and Instruments	E19050
DIFFERENTIAL,MISC	E	Machinery Accessories and Instruments	E19090
DIFFUSER,AIR	C	Plant and Machinery	C23620
DIFFUSER,LIGHT	C	Plant and Machinery	C23650
DIFFUSER,MISC	C	Plant and Machinery	C23690
DIGGER,MISC	J	Tools and Packing	J14090
DIODE,LIGHT EMITTING	G	Electrical	G23550
DIODE,MISC	G	Electrical	G23590
DIPSTICK,MISC	J	Tools and Packing	J14590
DISC,BRAKE	H	Tubular Goods, Valves and Fittings	H20010
DISC,MISC	H	Tubular Goods, Valves and Fittings	H20090
DISC,PUMP	H	Tubular Goods, Valves and Fittings	H20030
DISC,RUPTURE	H	Tubular Goods, Valves and Fittings	H20050
DISC,VALVE	H	Tubular Goods, Valves and Fittings	H20070
DISCHARGE,MISC	N	Other Materials Unclassified	N15590
DISH,MISC	C	Plant and Machinery	C23990
DISK PACK,MISC	M	Household, Office, Fire and Safety	M25090
DISK,COMPACT	M	Household, Office, Fire and Safety	M24520
DISK,FLASH	M	Household, Office, Fire and Safety	M24530
DISK,HARD	M	Household, Office, Fire and Safety	M24540
DISK,MAGNETIC	M	Household, Office, Fire and Safety	M24550
DISK,MISC	M	Household, Office, Fire and Safety	M24590
DISPENSER,MISC	E	Machinery Accessories and Instruments	E19590
DISPENSER,TAPE	E	Machinery Accessories and Instruments	E19550
DISPERSANT,MISC	M	Household, Office, Fire and Safety	M25290
DISPLACER,MISC	E	Machinery Accessories and Instruments	E20090
DISPLAY,MISC	G	Electrical	G24090

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DISPOSAL,MISC	E	Machinery Accessories and Instruments	E20290
DISTANCE,MISC	N	Other Materials Unclassified	N15890
DISTRIBUTOR,MISC	C	Plant and Machinery	C24290
DIVERTER,MISC	G	Electrical	G24590
DIVIDER,MISC	E	Machinery Accessories and Instruments	E20590
DIVIDER,VOLTAGE	E	Machinery Accessories and Instruments	E20550
DOG,MISC	C	Plant and Machinery	C24590
DOLLY,MISC	M	Household, Office, Fire and Safety	M25190
DOME,MISC	H	Tubular Goods, Valves and Fittings	H22090
DONUT,MISC	N	Other Materials Unclassified	N10090
DOOR,MISC	E	Machinery Accessories and Instruments	E21090
DOWEL,MISC	C	Plant and Machinery	C24890
DRAIN,MISC	C	Plant and Machinery	C25190
DRAWER,MISC	E	Machinery Accessories and Instruments	E21590
DRESSER,MISC	C	Plant and Machinery	C25490
DRESSING,MISC	K	Paints, Chemicals and Laboratory	K36090
DRIFT,MISC	J	Tools and Packing	J15090
DRILL SET,MASONRY	J	Tools and Packing	J16020
DRILL SET,MISC	J	Tools and Packing	J16090
DRILL SET,TWIST	J	Tools and Packing	J16050
DRILL,HAND	J	Tools and Packing	J15510
DRILL,MASONRY	J	Tools and Packing	J15530
DRILL,MISC	J	Tools and Packing	J15590
DRILL,POWER	J	Tools and Packing	J15550
DRILL,TWIST	J	Tools and Packing	J15570
DRIVE,AC MOTOR	C	Plant and Machinery	C25705
DRIVE,DC MOTOR	C	Plant and Machinery	C25720
DRIVE,DISK	C	Plant and Machinery	C25735
DRIVE,MISC	C	Plant and Machinery	C25790
DRIVE,OPTICAL	C	Plant and Machinery	C25750
DRIVE,VARIABLE SPEED	C	Plant and Machinery	C25765
DRIVER SET,MISC	C	Plant and Machinery	C26390
DRIVER SET,NUT	C	Plant and Machinery	C26350
DRIVER,MISC	C	Plant and Machinery	C26090
DRIVER,NUT	C	Plant and Machinery	C26050
DRIVING,MISC	N	Other Materials Unclassified	N16090
DROP,MISC	C	Plant and Machinery	C26690
DROPPER,MISC	C	Plant and Machinery	C26990
DRUM KIT,MISC	M	Household, Office, Fire and Safety	M25690
DRUM UNIT,MISC	M	Household, Office, Fire and Safety	M25790
DRUM,BRAKE	C	Plant and Machinery	C27220
DRUM,MISC	C	Plant and Machinery	C27290

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DRUM,SANDING	C	Plant and Machinery	C27250
DRUM,STORAGE	C	Plant and Machinery	C27280
DRYER,MISC	E	Machinery Accessories and Instruments	E22090
DUCT,MISC	C	Plant and Machinery	C27590
DUS,MISC	C	Plant and Machinery	C27890
DUST CLOTH,MISC	M	Household, Office, Fire and Safety	M25490
DUSTER,MISC	M	Household, Office, Fire and Safety	M25390
DYE,MISC	J	Tools and Packing	J16590
DYNAMOMETER,MISC	G	Electrical	G25090
EARPHONE,MISC	M	Household, Office, Fire and Safety	M25590
ECCENTRIC,MISC	E	Machinery Accessories and Instruments	E22590
EDGE,MISC	C	Plant and Machinery	C28190
EDGER,MISC	C	Plant and Machinery	C28490
EDGING,MISC	H	Tubular Goods, Valves and Fittings	H24090
EJECTOR,MISC	C	Plant and Machinery	C28790
ELBOW,CONDUIT	H	Tubular Goods, Valves and Fittings	H26005
ELBOW,MISC	H	Tubular Goods, Valves and Fittings	H26090
ELBOW,PIPE	H	Tubular Goods, Valves and Fittings	H26010
ELBOW,PIPE ADAPTER	H	Tubular Goods, Valves and Fittings	H26015
ELBOW,PIPE ADAPTER, REDUCING	H	Tubular Goods, Valves and Fittings	H26020
ELBOW,PIPE REDUCING	H	Tubular Goods, Valves and Fittings	H26025
ELBOW,TRAY	H	Tubular Goods, Valves and Fittings	H26030
ELBOW,TUBE	H	Tubular Goods, Valves and Fittings	H26035
ELBOW,TUBE ADAPTER	H	Tubular Goods, Valves and Fittings	H26040
ELBOW,TUBE ADAPTER, REDUCING	H	Tubular Goods, Valves and Fittings	H26045
ELBOW,TUBE REDUCING	H	Tubular Goods, Valves and Fittings	H26055
ELBOW,TUBE, BULKHEAD	H	Tubular Goods, Valves and Fittings	H26050
ELECTRODE,MISC	F	Buildings, Tanks and Shop Equipment	F30090
ELECTRODE,WELDING	F	Buildings, Tanks and Shop Equipment	F30040
ELEMENT,FILTER	E	Machinery Accessories and Instruments	E23020
ELEMENT,HEATER	E	Machinery Accessories and Instruments	E23050
ELEMENT,HEATER OVERLOAD	E	Machinery Accessories and Instruments	E23080
ELEMENT,MISC	E	Machinery Accessories and Instruments	E23090
ELIMINATOR,MISC	C	Plant and Machinery	C29090
ENCLOSURE,MISC	E	Machinery Accessories and Instruments	E23590
ENCODER,MISC	E	Machinery Accessories and Instruments	E24090
END MILL SET,MISC	C	Plant and Machinery	C29990
END MILL,MISC	C	Plant and Machinery	C29690

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END,CONDUIT	C	Plant and Machinery	C29320
END,CORONA BELL	C	Plant and Machinery	C29350
END,MISC	C	Plant and Machinery	C29390
ENGINE,MISC	C	Plant and Machinery	C30290
ENVELOPE,MISC	M	Household, Office, Fire and Safety	M26090
EQUALIZER,MISC	C	Plant and Machinery	C30590
ERASER,MISC	M	Household, Office, Fire and Safety	M26590
ETHANOL,MISC	L	Medical	L31490
EVAPORATOR,MISC	C	Plant and Machinery	C30890
EXCITER,MISC	C	Plant and Machinery	C31190
EXHAUSTER,MISC	C	Plant and Machinery	C31490
EXPANDER,MISC	J	Tools and Packing	J17090
EXPANTION,MISC	N	Other Materials Unclassified	N17090
EXTENSION SET,MISC	C	Plant and Machinery	C32090
EXTENSION SET,TOOL	C	Plant and Machinery	C32050
EXTENSION,MISC	C	Plant and Machinery	C31790
EXTENSION,TOOL	C	Plant and Machinery	C31720
EXTENSION,TOWER	C	Plant and Machinery	C31750
EXTINGUISHER,MISC	M	Household, Office, Fire and Safety	M27090
EXTRACTOR SET,MISC	E	Machinery Accessories and Instruments	E25090
EXTRACTOR SET,SCREW	E	Machinery Accessories and Instruments	E25020
EXTRACTOR SET,TAP	E	Machinery Accessories and Instruments	E25050
EXTRACTOR,MISC	E	Machinery Accessories and Instruments	E24590
EXTRACTOR,SCREW	E	Machinery Accessories and Instruments	E24520
EXTRACTOR,SQUARE ROOT	E	Machinery Accessories and Instruments	E24550
EXTRACTOR,TAP	E	Machinery Accessories and Instruments	E24580
EYE,MISC	C	Plant and Machinery	C32390
EYE,SOCKET	C	Plant and Machinery	C32350
EYELET,MISC	C	Plant and Machinery	C32490
FACE,MECHANICAL SEAL	E	Machinery Accessories and Instruments	E25520
FACE,MISC	E	Machinery Accessories and Instruments	E25590
FACE,SIGN	E	Machinery Accessories and Instruments	E25550
FACER,MISC	E	Machinery Accessories and Instruments	E26090
FACING,MISC	C	Plant and Machinery	C32690
FACSIMILE,MISC	M	Household, Office, Fire and Safety	M27390
FAN,MISC	G	Electrical	G25590
FASTENER,BELT	I	Building Material, Metals and Hardware	I31050

FASTENER,MISC	I	Building Material, Metals and Hardware	I31090
FAUCET,MISC	I	Building Material, Metals and Hardware	I32090
FEEDER,MISC	G	Electrical	G26090
FENDER,MISC	C	Plant and Machinery	C32990
FERRULE SET,MISC	H	Tubular Goods, Valves and Fittings	H30090
FERRULE,MISC	H	Tubular Goods, Valves and Fittings	H28090
FERTILIZER,MISC	C	Plant and Machinery	C33290
FID,MISC	E	Machinery Accessories and Instruments	E26590
FILAMENT,MISC	E	Machinery Accessories and Instruments	E27090
FILE SET,MISC	J	Tools and Packing	J18090
FILE,CARD	J	Tools and Packing	J17550
FILE,MISC	J	Tools and Packing	J17590
FILLER,BASE	C	Plant and Machinery	C33550
FILLER,MISC	C	Plant and Machinery	C33590
FILM,MISC	G	Electrical	G26590
FILM,PHOTO	G	Electrical	G26520
FILM,TRANSPARENCY	G	Electrical	G26550
FILTER,AIR	E	Machinery Accessories and Instruments	E27510
FILTER,ELECTRONIC	E	Machinery Accessories and Instruments	E27520
FILTER,FUEL	E	Machinery Accessories and Instruments	E27530
FILTER,LIGHT	E	Machinery Accessories and Instruments	E27540
FILTER,MISC	E	Machinery Accessories and Instruments	E27590
FILTER,OIL	E	Machinery Accessories and Instruments	E27550
FILTER,WATER	E	Machinery Accessories and Instruments	E27560
FIN,MISC	C	Plant and Machinery	C33890
FINDER,MISC	C	Plant and Machinery	C34190
FINGER,MISC	C	Plant and Machinery	C34490
FIRST AID,MISC	L	Medical	L40090
FITTING,CONDUIT SEAL	H	Tubular Goods, Valves and Fittings	H32020
FITTING,GREASE	H	Tubular Goods, Valves and Fittings	H32050
FITTING,GREASE, RELIEF	H	Tubular Goods, Valves and Fittings	H32080
FITTING,MISC	H	Tubular Goods, Valves and Fittings	H32090
FIXTURE,MISC	G	Electrical	G27090
FLAG,MISC	M	Household, Office, Fire and Safety	M27590
FLAKES LAB,MISC	L	Medical	L21290
FLANGE,ADAPTER	H	Tubular Goods, Valves and Fittings	H34020
FLANGE,COUPLING	H	Tubular Goods, Valves and Fittings	H34050
FLANGE,MISC	H	Tubular Goods, Valves and Fittings	H34090

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FLANGE,PIPE	H	Tubular Goods, Valves and Fittings	H34080
FLAP,MISC	D	Transportation	D35090
FLAPPER,MISC	E	Machinery Accessories and Instruments	E28090
FLARE,MISC	C	Plant and Machinery	C34790
FLASHER,MISC	G	Electrical	G27590
FLASHING,MISC	C	Plant and Machinery	C35090
FLASHLIGHT,MISC	G	Electrical	G28090
FLASK,MISC	E	Machinery Accessories and Instruments	E28590
FLEXIBLE,MISC	N	Other Materials Unclassified	N20590
FLEXURE,MISC	E	Machinery Accessories and Instruments	E29090
FLINGER,MISC	C	Plant and Machinery	C35390
FLINT,MISC	J	Tools and Packing	J18590
FLOAT,MISC	H	Tubular Goods, Valves and Fittings	H36090
FLOW,MISC	N	Other Materials Unclassified	N20890
FLOWMETER,MISC	E	Machinery Accessories and Instruments	E29590
FLUID,CORRECTION	K	Paints, Chemicals and Laboratory	K38020
FLUID,CUTTING	K	Paints, Chemicals and Laboratory	K38050
FLUID,MISC	K	Paints, Chemicals and Laboratory	K38090
FLUX,MISC	F	Buildings, Tanks and Shop Equipment	F35090
FLYWHEEL,MISC	C	Plant and Machinery	C35690
FOAM,MISC	M	Household, Office, Fire and Safety	M28090
FOIL,MISC	I	Building Material, Metals and Hardware	I33090
FOLDER,EXPANDING	M	Household, Office, Fire and Safety	M28520
FOLDER,HANGING	M	Household, Office, Fire and Safety	M28550
FOLDER,MISC	M	Household, Office, Fire and Safety	M28590
FOLLOWER,MISC	C	Plant and Machinery	C35990
FOODSTUFF,CONDIMENT	N	Other Materials Unclassified	N20050
FOODSTUFF,MISC	N	Other Materials Unclassified	N20090
FOOT,MISC	C	Plant and Machinery	C36290
FORK,MISC	C	Plant and Machinery	C36590
FORK,PITCH	C	Plant and Machinery	C36550
FORM,MISC	E	Machinery Accessories and Instruments	E30090
FRAME,MISC	J	Tools and Packing	J19090
FRAME,TAKE-UP BEARING	J	Tools and Packing	J19050
FREEZER,MISC	M	Household, Office, Fire and Safety	M29090
FUEL,MISC	A	OILS AND OIL PRODUCTS	A04090
FULCRUM,MISC	C	Plant and Machinery	C36890
FUNGICIDE,MISC	N	Other Materials Unclassified	N30090
FUNNEL,MISC	I	Building Material, Metals and Hardware	I34090
FURNACE,MISC	C	Plant and Machinery	C37190

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FUSE,MISC	G	Electrical	G28590
FUSER UNIT,MISC	M	Household, Office, Fire and Safety	M29190
GAG,MISC	C	Plant and Machinery	C37490
GAIN,MISC	E	Machinery Accessories and Instruments	E30590
GALVANOMETER,MISC	J	Tools and Packing	J19590
GAS,MISC	A	OILS AND OIL PRODUCTS	A05090
GASKET SET,MISC	J	Tools and Packing	J20590
GASKET,CONDUIT OUTLET BODY	J	Tools and Packing	J20005
GASKET,DOUBLE JACKET	J	Tools and Packing	J20013
GASKET,ENVELOPE	J	Tools and Packing	J20015
GASKET,FLANGE, NON-SPIRAL	J	Tools and Packing	J20025
GASKET,FULL FACE	J	Tools and Packing	J20035
GASKET,HEAT EXCHANGER	J	Tools and Packing	J20045
GASKET,LEVEL GAUGE	J	Tools and Packing	J20055
GASKET,MISC5	J	Tools and Packing	J20094
GASKET,RING JOINT	J	Tools and Packing	J20065
GASKET,SPIRAL WOUND	J	Tools and Packing	J20075
GATE,MISC	H	Tubular Goods, Valves and Fittings	H38090
GATE,VALVE	H	Tubular Goods, Valves and Fittings	H38050
GAUGE SET,MISC	E	Machinery Accessories and Instruments	E31590
GAUGE STOCK,MISC	E	Machinery Accessories and Instruments	E32090
GAUGE,FEELER	E	Machinery Accessories and Instruments	E31020
GAUGE,LEVEL	E	Machinery Accessories and Instruments	E31050
GAUGE,MISC	E	Machinery Accessories and Instruments	E31090
GAUGE,PRESSURE	E	Machinery Accessories and Instruments	E31080
GEAR,BEVEL	C	Plant and Machinery	C37710
GEAR,HELICAL	C	Plant and Machinery	C37730
GEAR,MISC	C	Plant and Machinery	C37790
GEAR,SPUR	C	Plant and Machinery	C37750
GEAR,WORM	C	Plant and Machinery	C37770
GEARBOX,MISC	C	Plant and Machinery	C38090
GEARMOTOR,ELECTRIC, AC	C	Plant and Machinery	C38320
GEARMOTOR,ELECTRIC, DC	C	Plant and Machinery	C38350
GEARMOTOR,HYDRAULIC	C	Plant and Machinery	C38380
GEARMOTOR,MISC	C	Plant and Machinery	C38390
GENERATOR,ELECTRIC	G	Electrical	G29050
GENERATOR,MISC	G	Electrical	G29090
GEROTOR,MISC	C	Plant and Machinery	C38690
GIB,MISC	C	Plant and Machinery	C38990
GIFT,MISC	M	Household, Office, Fire and Safety	M29390

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GLAND,MISC	C	Plant and Machinery	C39290
GLAND,PACKING	C	Plant and Machinery	C39250
GLASS,DRINKING	I	Building Material, Metals and Hardware	I35010
GLASS,LEVEL GAUGE, FLAT	I	Building Material, Metals and Hardware	I35030
GLASS,LEVEL GAUGE, TUBULAR	I	Building Material, Metals and Hardware	I35050
GLASS,MISC	I	Building Material, Metals and Hardware	I35090
GLASS,SIGHT	I	Building Material, Metals and Hardware	I35070
GLASSES,MISC	I	Building Material, Metals and Hardware	I36090
GLASSES,SAFETY	I	Building Material, Metals and Hardware	I36050
GLOBE,LIGHTING	H	Tubular Goods, Valves and Fittings	H40050
GLOBE,MISC	H	Tubular Goods, Valves and Fittings	H40090
GLOVES,CHEMICAL RESISTANT	M	Household, Office, Fire and Safety	M29520
GLOVES,CUT RESISTANT	M	Household, Office, Fire and Safety	M29550
GLOVES,ELECTRICAL	M	Household, Office, Fire and Safety	M29580
GLOVES,MISC	M	Household, Office, Fire and Safety	M29590
GLUE,MISC	M	Household, Office, Fire and Safety	M29790
GOGGLES,MISC	M	Household, Office, Fire and Safety	M30090
GOOSENECK,MISC	C	Plant and Machinery	C39590
GOVERNOR,MISC	C	Plant and Machinery	C39890
GRAPPLE,DRILL	G	Electrical	G29550
GRAPPLE,MISC	G	Electrical	G29590
GRATING,BAR	I	Building Material, Metals and Hardware	I37050
GRATING,MISC	I	Building Material, Metals and Hardware	I37090
GREASE,INDUSTRIAL	A	OILS AND OIL PRODUCTS	A06050
GREASE,MISC	A	OILS AND OIL PRODUCTS	A06090
GREASE,PERTAMINA	A	OILS AND OIL PRODUCTS	A06010
GRID,COUPLING	E	Machinery Accessories and Instruments	E32550
GRID,MISC	E	Machinery Accessories and Instruments	E32590
GRILL,MISC	E	Machinery Accessories and Instruments	E33090
GRINDER,AIR	J	Tools and Packing	J21020
GRINDER,ELECTRIC	J	Tools and Packing	J21050
GRINDER,MISC	J	Tools and Packing	J21090
GRIP,CABLE	J	Tools and Packing	J21520
GRIP,LIFELINE	J	Tools and Packing	J21550
GRIP,MISC	J	Tools and Packing	J21590
GROMMET SET,MISC	E	Machinery Accessories and Instruments	E34090

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GROMMET,MISC	E	Machinery Accessories and Instruments	E33590
GROUND,MISC	G	Electrical	G30090
GUARD,KELLY	C	Plant and Machinery	C40120
GUARD,LINE	C	Plant and Machinery	C40150
GUARD,MISC	C	Plant and Machinery	C40190
GUIDE,BOTTOM HOLE PUMP	C	Plant and Machinery	C40410
GUIDE,MISC	C	Plant and Machinery	C40490
GUIDE,STABBING	C	Plant and Machinery	C40430
GUIDE,VALVE	C	Plant and Machinery	C40450
GUIDE,WIRELINE ENTRY	C	Plant and Machinery	C40470
GUN,GREASE	C	Plant and Machinery	C40750
GUN,MISC	C	Plant and Machinery	C40790
GUSSET,MISC	C	Plant and Machinery	C41090
HAMMER,CRUSHER	J	Tools and Packing	J22020
HAMMER,MISC	J	Tools and Packing	J22090
HAMMER,PNEUMATIC	J	Tools and Packing	J22050
HAMMER,ROTARY	J	Tools and Packing	J22080
HANDHOLE,MISC	C	Plant and Machinery	C41390
HANDLE,EXTENSION LIGHT	J	Tools and Packing	J22550
HANDLE,MISC	J	Tools and Packing	J22590
HANDSET,MISC	G	Electrical	G30590
HANDWHEEL,MISC	E	Machinery Accessories and Instruments	E34590
HANGER,CASING	C	Plant and Machinery	C41605
HANGER,FIXTURE	C	Plant and Machinery	C41620
HANGER,LINER	C	Plant and Machinery	C41635
HANGER,MISC	C	Plant and Machinery	C41690
HANGER,PIPE/CONDUIT	C	Plant and Machinery	C41650
HANGER,TUBING	C	Plant and Machinery	C41665
HARDENER,MISC	K	Paints, Chemicals and Laboratory	K40090
HARNESS,MISC	C	Plant and Machinery	C41990
HARNESS,WIRING	C	Plant and Machinery	C41950
HASP,MISC	I	Building Material, Metals and Hardware	I38090
HAT,MISC	M	Household, Office, Fire and Safety	M30490
HAT,SAFETY	M	Household, Office, Fire and Safety	M30450
HEAD,CASING	C	Plant and Machinery	C42205
HEAD,CUTTER	C	Plant and Machinery	C42215
HEAD,CYLINDER	C	Plant and Machinery	C42225
HEAD,DIE	C	Plant and Machinery	C42235
HEAD,MISC	C	Plant and Machinery	C42290
HEAD,PUMP	C	Plant and Machinery	C42245
HEAD,SERVICE ENTRANCE	C	Plant and Machinery	C42255
HEAD,THERMOCOUPLE	C	Plant and Machinery	C42275
HEAD,TUBING	C	Plant and Machinery	C42265
HEADER,MISC	C	Plant and Machinery	C42590

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HEADSET,MISC	C	Plant and Machinery	C42890
HEAT EXCHANGER,AIR COOLED	C	Plant and Machinery	C43120
HEAT EXCHANGER,FLUID COOLED	C	Plant and Machinery	C43150
HEAT EXCHANGER,MISC	C	Plant and Machinery	C43190
HEAT SINK,MISC	C	Plant and Machinery	C43490
HEATER,IMMERSION	C	Plant and Machinery	C43720
HEATER,MISC	C	Plant and Machinery	C43790
HEATER,SPACE	C	Plant and Machinery	C43750
HEATER,STRIP	C	Plant and Machinery	C43780
HEAVY EQUIPMENT,MISC	D	Transportation	D40090
HELMET,MISC	M	Household, Office, Fire and Safety	M30590
HELMET,SAFETY	M	Household, Office, Fire and Safety	M30530
HELMET,WELDING	M	Household, Office, Fire and Safety	M30550
HINGE,MISC	I	Building Material, Metals and Hardware	I39090
HITCH,MISC	E	Machinery Accessories and Instruments	E34790
HITCH,TRAILER	E	Machinery Accessories and Instruments	E34750
HOE,MISC	I	Building Material, Metals and Hardware	I40090
HOIST,MISC	C	Plant and Machinery	C44090
HOLDER,ELECTRICAL BRUSH	C	Plant and Machinery	C44310
HOLDER,FUSE	C	Plant and Machinery	C44320
HOLDER,LAMP	C	Plant and Machinery	C44330
HOLDER,MACHINING TOOL	C	Plant and Machinery	C44340
HOLDER,MISC	C	Plant and Machinery	C44390
HOLDER,SPRING	C	Plant and Machinery	C44350
HOLDER,VALVE DISC	C	Plant and Machinery	C44360
HOOD,MISC	G	Electrical	G31090
HOOD,SAFETY	G	Electrical	G31050
HOOK,GUY	I	Building Material, Metals and Hardware	I41020
HOOK,LOAD RATED	I	Building Material, Metals and Hardware	I41050
HOOK,MISC	I	Building Material, Metals and Hardware	I41090
HOOK,PACKING	I	Building Material, Metals and Hardware	I41080
HOPPER,MISC	C	Plant and Machinery	C44690
HORN,ARC	G	Electrical	G31550
HORN,MISC	G	Electrical	G31590
HOSE,AIR	H	Tubular Goods, Valves and Fittings	H42005
HOSE,BRAKE	H	Tubular Goods, Valves and Fittings	H42015
HOSE,FIRE	H	Tubular Goods, Valves and Fittings	H42025
HOSE,HYDRAULIC	H	Tubular Goods, Valves and Fittings	H42045
HOSE,MISC	H	Tubular Goods, Valves and Fittings	H42090
HOSE,RADIATOR	H	Tubular Goods, Valves and Fittings	H42055

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HOSE,ROTARY	H	Tubular Goods, Valves and Fittings	H42065
HOSE,WATER	H	Tubular Goods, Valves and Fittings	H42075
HOTPLATE,ELECTRIC	M	Household, Office, Fire and Safety	M31020
HOTPLATE,GAS	M	Household, Office, Fire and Safety	M31050
HOTPLATE,MISC	M	Household, Office, Fire and Safety	M31090
HOUSING,FLANGE BLOCK BEARING	C	Plant and Machinery	C44920
HOUSING,MISC	C	Plant and Machinery	C44990
HOUSING,PILLOW BLOCK BEARING	C	Plant and Machinery	C44950
HOUSING,TAKE-UP BEARING	C	Plant and Machinery	C44980
HUB,CONDUIT	E	Machinery Accessories and Instruments	E35020
HUB,MISC	E	Machinery Accessories and Instruments	E35090
HUB,NETWORK	E	Machinery Accessories and Instruments	E35050
HUMIDIFIER,MISC	E	Machinery Accessories and Instruments	E35590
HUMIDISTAT,MISC	E	Machinery Accessories and Instruments	E36090
HYDRANT,FIRE	M	Household, Office, Fire and Safety	M31550
HYDRANT,MISC	M	Household, Office, Fire and Safety	M31590
HYDROMETER,MISC	K	Paints, Chemicals and Laboratory	K42090
HYGROMETER,MISC	J	Tools and Packing	J23090
ICEMAKER,MISC	M	Household, Office, Fire and Safety	M32090
IDLER,CONVEYOR BELT	C	Plant and Machinery	C45250
IDLER,MISC	C	Plant and Machinery	C45290
IGNITER,MISC	G	Electrical	G32090
ILLUMINATOR,MISC	E	Machinery Accessories and Instruments	E36590
IMPELLER,MISC	C	Plant and Machinery	C45590
IMPELLER,PUMP	C	Plant and Machinery	C45550
INDEX,DRILL BIT	E	Machinery Accessories and Instruments	E37050
INDEX,MISC	E	Machinery Accessories and Instruments	E37090
INDICATOR,MISC	E	Machinery Accessories and Instruments	E37590
INDICATOR,SIGHT FLOW	E	Machinery Accessories and Instruments	E37550
INDUCER,IMPELLER	C	Plant and Machinery	C45850
INDUCER,MISC	C	Plant and Machinery	C45890
INERT,MISC	N	Other Materials Unclassified	N40590
INFLATOR,MISC	E	Machinery Accessories and Instruments	E38090
INHIBITOR,MISC	K	Paints, Chemicals and Laboratory	K44090
INJECTOR,MISC	C	Plant and Machinery	C46190
INK,MISC	M	Household, Office, Fire and Safety	M32590
INLET,ELECTRICAL	C	Plant and Machinery	C46450

INLET,MISC	C	Plant and Machinery	C46490
INSECTICIDE,MISC	N	Other Materials Unclassified	N40090
INSERT SET,MISC	C	Plant and Machinery	C47090
INSERT SET,THREADED	C	Plant and Machinery	C47050
INSERT,BEARING	C	Plant and Machinery	C46710
INSERT,COUPLING	C	Plant and Machinery	C46720
INSERT,CUTTING TOOL	C	Plant and Machinery	C46730
INSERT,MISC	C	Plant and Machinery	C46790
INSERT,PIPE	C	Plant and Machinery	C46740
INSERT,THREADED	C	Plant and Machinery	C46750
INSERT,TUBE	C	Plant and Machinery	C46760
INSULATION,MISC	J	Tools and Packing	J23590
INSULATION,PIPE	J	Tools and Packing	J23550
INSULATOR,MISC	G	Electrical	G32590
INTAKE,MISC	C	Plant and Machinery	C47390
INTEGRATOR,MISC	E	Machinery Accessories and Instruments	E38590
INTERCOM,MISC	G	Electrical	G33090
INTERFACE,MISC	G	Electrical	G33590
INTERLOCK,MISC	G	Electrical	G34090
INTERMEDIA,MISC	A	OILS AND OIL PRODUCTS	A10090
INTERRUPTER,MISC	G	Electrical	G34590
INVERTER,MISC	G	Electrical	G35090
IRON,MISC	J	Tools and Packing	J24090
IRON,SOLDERING	J	Tools and Packing	J24050
ISOLATOR,MISC	G	Electrical	G35590
JACK,MISC	C	Plant and Machinery	C47690
JACKET,MISC	M	Household, Office, Fire and Safety	M33090
JACKETING,MISC	M	Household, Office, Fire and Safety	M33590
JAR,BATTERY	C	Plant and Machinery	C47920
JAR,MISC	C	Plant and Machinery	C47990
JAR,ROTARY	C	Plant and Machinery	C47950
JAR,VACUUM BELL	C	Plant and Machinery	C47980
JAW,MISC	J	Tools and Packing	J24590
JAW,WRENCH	J	Tools and Packing	J24550
JERIGEN,MISC	C	Plant and Machinery	C48290
JET,MISC	C	Plant and Machinery	C48590
JIG,MISC	C	Plant and Machinery	C48890
JOINT,BALL	H	Tubular Goods, Valves and Fittings	H44010
JOINT,EXPANSION	H	Tubular Goods, Valves and Fittings	H44020
JOINT,MISC	H	Tubular Goods, Valves and Fittings	H44090
JOINT,SAFETY	H	Tubular Goods, Valves and Fittings	H44030
JOINT,SOCKET DRIVE	H	Tubular Goods, Valves and Fittings	H44040
JOINT,SWIVEL	H	Tubular Goods, Valves and Fittings	H44050
JOINT,UNIVERSAL	H	Tubular Goods, Valves and Fittings	H44060
JOURNAL,MISC	C	Plant and Machinery	C48990

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JUMPER,MISC	G	Electrical	G36090
JUNCTION,MISC	G	Electrical	G36590
KARTON,MISC	C	Plant and Machinery	C49190
KELLY,MISC	C	Plant and Machinery	C49490
KEY FOB,MISC	I	Building Material, Metals and Hardware	I43090
KEY SET,MISC	I	Building Material, Metals and Hardware	I44090
KEY STOCK,MISC	I	Building Material, Metals and Hardware	I45090
KEY,CHUCK	I	Building Material, Metals and Hardware	I42050
KEY,MISC	I	Building Material, Metals and Hardware	I42090
KEYBOARD,MISC	M	Household, Office, Fire and Safety	M34090
KEYPAD,MISC	G	Electrical	G36790
KIT,ADHESIVE	C	Plant and Machinery	C49705
KIT,CONTACT	C	Plant and Machinery	C49720
KIT,FIRST AID	C	Plant and Machinery	C49735
KIT,MISC	C	Plant and Machinery	C49790
KIT,SPLICE	C	Plant and Machinery	C49750
KIT,TERMINATION	C	Plant and Machinery	C49765
KNIFE,MISC	J	Tools and Packing	J25090
KNOB,MISC	G	Electrical	G37090
KNOCKER,MISC	E	Machinery Accessories and Instruments	E39090
LABEL,MISC	E	Machinery Accessories and Instruments	E39590
LABELER,ELECTRICAL	E	Machinery Accessories and Instruments	E40020
LABELER,MANUAL	E	Machinery Accessories and Instruments	E40050
LABELER,MISC	E	Machinery Accessories and Instruments	E40090
LABYRINTH,MISC	C	Plant and Machinery	C50090
LACING,MISC	M	Household, Office, Fire and Safety	M34590
LACING,SHOE	M	Household, Office, Fire and Safety	M34550
LADDER,EXTENSION	J	Tools and Packing	J25520
LADDER,MISC	J	Tools and Packing	J25590
LADDER,STEP	J	Tools and Packing	J25550
LAGGING,MISC	N	Other Materials Unclassified	N43090
LAMINATOR,MISC	M	Household, Office, Fire and Safety	M35090
LAMP,FLUORESCENT	G	Electrical	G37505
LAMP,HID	G	Electrical	G37520
LAMP,INCANDESCENT	G	Electrical	G37535
LAMP,MISC	G	Electrical	G37590
LAMP,NEON	G	Electrical	G37550
LAMP,QUARTZ	G	Electrical	G37565
LANTERN,ELECTRIC	C	Plant and Machinery	C50350

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LANTERN,MISC	C	Plant and Machinery	C50390
LATCH,DOOR	C	Plant and Machinery	C50650
LATCH,MISC	C	Plant and Machinery	C50690
LATERAL,MISC	H	Tubular Goods, Valves and Fittings	H46090
LATERAL,PIPE	H	Tubular Goods, Valves and Fittings	H46020
LATERAL,PIPE REDUCER	H	Tubular Goods, Valves and Fittings	H46050
LATHE,MISC	J	Tools and Packing	J26090
LEAD,MISC	G	Electrical	G38090
LEAD,PENCIL	G	Electrical	G38020
LEAD,TEST	G	Electrical	G38050
LEAF,MISC	C	Plant and Machinery	C50990
LEAFLET,MISC	M	Household, Office, Fire and Safety	M35290
LEG,MISC	C	Plant and Machinery	C51290
LENS,CAMERA	G	Electrical	G38510
LENS,INDICATING LIGHT	G	Electrical	G38530
LENS,MISC	G	Electrical	G38590
LENS,PUSHBUTTON	G	Electrical	G38550
LENS,SAFETY EQUIPMENT	G	Electrical	G38570
LETTER,MISC	M	Household, Office, Fire and Safety	M35390
LEVEL,MISC	C	Plant and Machinery	C51590
LEVELER,MISC	C	Plant and Machinery	C51890
LEVER,MISC	C	Plant and Machinery	C52190
LEVER,SWITCH	C	Plant and Machinery	C52150
LID,MISC	C	Plant and Machinery	C52490
LIFE PRESERVER,MISC	G	Electrical	G38790
LIFT,MISC	C	Plant and Machinery	C52790
LIFTER,MISC	C	Plant and Machinery	C53090
LIGHT,EXTENSION	G	Electrical	G39005
LIGHT,FLUORESCENT	G	Electrical	G39010
LIGHT,HIGH PRESSURE SODIUM	G	Electrical	G39015
LIGHT,INCANDESCENT	G	Electrical	G39020
LIGHT,INDICATING	G	Electrical	G39025
LIGHT,LASER	G	Electrical	G39030
LIGHT,LOW PRESSURE SODIUM	G	Electrical	G39035
LIGHT,MERCURY VAPOR	G	Electrical	G39040
LIGHT,METAL HALIDE	G	Electrical	G39045
LIGHT,MISC	G	Electrical	G39090
LIGHT,QUARTZ	G	Electrical	G39050
LIGHTER,MISC	G	Electrical	G39590
LIME,MISC	M	Household, Office, Fire and Safety	M35490
LIMITER,CABLE	G	Electrical	G40050
LIMITER,MISC	G	Electrical	G40090
LINE,CHALK	C	Plant and Machinery	C53320
LINE,DRILLING	C	Plant and Machinery	C53350
LINE,MISC	C	Plant and Machinery	C53390
LINER,JACKET	C	Plant and Machinery	C53650

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LINER,MISC	C	Plant and Machinery	C53690
LINK,DRIVE CHAIN	C	Plant and Machinery	C53905
LINK,EXTENSION	C	Plant and Machinery	C53920
LINK,FUSE	C	Plant and Machinery	C53935
LINK,LOAD RATED CHAIN	C	Plant and Machinery	C53950
LINK,MISC	C	Plant and Machinery	C53990
LINK,RENEWABLE FUSE	C	Plant and Machinery	C53965
LINKAGE,MISC	C	Plant and Machinery	C54290
LIP,MISC	C	Plant and Machinery	C54590
LOCATOR,MISC	B	Drilling and Production	B14090
LOCK,MISC	I	Building Material, Metals and Hardware	I26590
LOCK,PAD	I	Building Material, Metals and Hardware	I26550
LOCKER,MISC	C	Plant and Machinery	C54890
LOCKOUT,MISC	C	Plant and Machinery	C55190
LOCKSET,MISC	C	Plant and Machinery	C55490
LOOM,MISC	C	Plant and Machinery	C55790
LOOP,MISC	C	Plant and Machinery	C56090
LOUVER,MISC	E	Machinery Accessories and Instruments	E41090
LUBRICANT,MISC	A	OILS AND OIL PRODUCTS	A07090
LUBRICATOR,MISC	E	Machinery Accessories and Instruments	E41590
LUG,MISC	G	Electrical	G40590
LUMBER,MISC	I	Building Material, Metals and Hardware	I46090
MACHETE,MISC	M	Household, Office, Fire and Safety	M35690
MACHINE,MISC	F	Buildings, Tanks and Shop Equipment	F40090
MAGAZINE,MISC	M	Household, Office, Fire and Safety	M35590
MAGNET,ELECTRO	C	Plant and Machinery	C56350
MAGNET,MISC	C	Plant and Machinery	C56390
MAGNETO,MISC	C	Plant and Machinery	C56690
MAGNIFIER,MISC	J	Tools and Packing	J27090
MAILER,MISC	J	Tools and Packing	J27590
MAILER,TUBE	J	Tools and Packing	J27550
MANDREL,BOTTOM HOLE PUMP	J	Tools and Packing	J28050
MANDREL,MISC	J	Tools and Packing	J28090
MANHOLE,MISC	C	Plant and Machinery	C56990
MANIFOLD,MISC	C	Plant and Machinery	C57290
MANIFOLD,VALVE	C	Plant and Machinery	C57220
MANIFOLD,VALVE, NEEDLE	C	Plant and Machinery	C57250
MANOMETER,MISC	E	Machinery Accessories and Instruments	E42090
MANTLE,MISC	M	Household, Office, Fire and Safety	M36090
MAP,MISC	M	Household, Office, Fire and Safety	M36590
MARKER,MISC	M	Household, Office, Fire and Safety	M37090

MARKER,SAFETY	M	Household, Office, Fire and Safety	M37010
MARKER,VOLTAGE	M	Household, Office, Fire and Safety	M37030
MARKER,WIRE	M	Household, Office, Fire and Safety	M37050
MARKER,WRITING	M	Household, Office, Fire and Safety	M37070
MASK,MISC	M	Household, Office, Fire and Safety	M37590
MAT,MISC	D	Transportation	D47590
MATCHES,MISC	J	Tools and Packing	J28590
MATTRESS,MISC	J	Tools and Packing	J29090
MEASURER,MISC	J	Tools and Packing	J29290
MECHANISM,MISC	C	Plant and Machinery	C57590
MED.SUPL,MISC	L	Medical	L95090
MED.SUPL.HD,MISC	L	Medical	L95590
MEDIA,MISC	M	Household, Office, Fire and Safety	M38090
MEDICATION,EXTERNAL	L	Medical	L45020
MEDICATION,INTERNAL	L	Medical	L45050
MEDICATION,MISC	L	Medical	L45090
MEDICINE,MISC	L	Medical	L90090
MEMBRANE,FILTER	C	Plant and Machinery	C57850
MEMBRANE,MISC	C	Plant and Machinery	C57890
MENDER,MISC	J	Tools and Packing	J29590
MESH,MISC	I	Building Material, Metals and Hardware	I47090
METAL,MISC	N	Other Materials Unclassified	N44090
METER,ELECTRICAL SERVICE	J	Tools and Packing	J30020
METER,GAS SERVICE	J	Tools and Packing	J30050
METER,MISC	J	Tools and Packing	J30090
METER,WATER SERVICE	J	Tools and Packing	J30080
METHANOL,MISC	L	Medical	L31890
MICA,MISC	H	Tubular Goods, Valves and Fittings	H86090
MICROMETER SET,MISC	J	Tools and Packing	J31090
MICROMETER,MISC	J	Tools and Packing	J30590
MICROPHONE,MISC	G	Electrical	G41090
MICROSCOPE,MISC	K	Paints, Chemicals and Laboratory	K46090
MILL,MISC	I	Building Material, Metals and Hardware	I48090
MILLSTONE,MISC	M	Household, Office, Fire and Safety	M37690
MIRROR,MISC	M	Household, Office, Fire and Safety	M38590
MIXER,ELECTRONIC	C	Plant and Machinery	C58150
MIXER,MISC	C	Plant and Machinery	C58190
MODEM,MISC	G	Electrical	G41590
MODULATOR,MISC	E	Machinery Accessories and Instruments	E42590
MODULE,MISC	E	Machinery Accessories and Instruments	E43090
MODULE,POWER SUPPLY	E	Machinery Accessories and Instruments	E43050
MOISTENER,MISC	J	Tools and Packing	J31590

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Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

MONITOR,LCD	G	Electrical	G42030
MONITOR,MISC	G	Electrical	G42090
MONITOR,VIDEO	G	Electrical	G42050
MOP,MISC	M	Household, Office, Fire and Safety	M38690
MORTAR,LABORATORY	J	Tools and Packing	J32050
MORTAR,MISC	J	Tools and Packing	J32090
MOTOR VEHICLE,MISC	D	Transportation	D50090
MOTOR,CHART DRIVE	G	Electrical	G42520
MOTOR,ELECTRIC, AC	G	Electrical	G42510
MOTOR,ELECTRIC, DC	G	Electrical	G42530
MOTOR,HYDRAULIC	G	Electrical	G42540
MOTOR,MISC	G	Electrical	G42590
MOTOR,SERVO	G	Electrical	G42550
MOTOR,TIMING	G	Electrical	G42560
MOTOR,VALVE ACTUATOR	G	Electrical	G42570
MOUNT,FUSE	I	Building Material, Metals and Hardware	I49050
MOUNT,MISC	I	Building Material, Metals and Hardware	I49090
MOUSE,MISC	G	Electrical	G43090
MOVEMENT,GAUGE	E	Machinery Accessories and Instruments	E43550
MOVEMENT,MISC	E	Machinery Accessories and Instruments	E43590
MUFFLER,MISC	C	Plant and Machinery	C58490
MUG,MISC	M	Household, Office, Fire and Safety	M38190
MUKENAH,MISC	M	Household, Office, Fire and Safety	M38290
MULTIMETER,MISC	J	Tools and Packing	J32590
MULTIPLEXER,MISC	J	Tools and Packing	J33090
MULTIPLIER,MISC	J	Tools and Packing	J33590
NAIL,AUTOMATIC DRIVE	I	Building Material, Metals and Hardware	I50020
NAIL,MISC	I	Building Material, Metals and Hardware	I50090
NAIL,POLE MARKING	I	Building Material, Metals and Hardware	I50050
NAILER,MISC	J	Tools and Packing	J34090
NAPKIN,MISC	M	Household, Office, Fire and Safety	M38790
N-BUTHANOL,MISC	L	Medical	L31990
NECK,MISC	C	Plant and Machinery	C58590
NEEDLE,MISC	H	Tubular Goods, Valves and Fittings	H48090
NEEDLE,SYRINGE	H	Tubular Goods, Valves and Fittings	H48050
NET,MISC	M	Household, Office, Fire and Safety	M39090
NETTING,MISC	I	Building Material, Metals and Hardware	I51090
N-HEPTHANE,MISC	L	Medical	L32090
NIPPLE,BOTTOM HOLE PUMP	H	Tubular Goods, Valves and Fittings	H50005
NIPPLE,CONDUIT	H	Tubular Goods, Valves and Fittings	H50010

NIPPLE,HOSE	H	Tubular Goods, Valves and Fittings	H50015
NIPPLE,HOSE, HEX	H	Tubular Goods, Valves and Fittings	H50020
NIPPLE,LANDING	H	Tubular Goods, Valves and Fittings	H50025
NIPPLE,MISC	H	Tubular Goods, Valves and Fittings	H50090
NIPPLE,PIPE	H	Tubular Goods, Valves and Fittings	H50030
NIPPLE,PIPE, HEX	H	Tubular Goods, Valves and Fittings	H50035
NIPPLE,SEAL	H	Tubular Goods, Valves and Fittings	H50040
NIPPLE,SWAGE	H	Tubular Goods, Valves and Fittings	H50045
NIPPLE,TUBE	H	Tubular Goods, Valves and Fittings	H50050
NO NOUN,MISC	N	Other Materials Unclassified	N91090
NOSE,MISC	B	Drilling and Production	B15090
NOTCHER,MISC	C	Plant and Machinery	C58690
NOTE,MISC	M	Household, Office, Fire and Safety	M39790
NOTEBOOK,MISC	M	Household, Office, Fire and Safety	M39190
NOZZLE,MISC	C	Plant and Machinery	C58790
NOZZLE,TORCH	C	Plant and Machinery	C58720
NOZZLE,VALVE	C	Plant and Machinery	C58750
NUT,BEARING LOCK	H	Tubular Goods, Valves and Fittings	H52005
NUT,CAP	H	Tubular Goods, Valves and Fittings	H52010
NUT,CHANNEL	H	Tubular Goods, Valves and Fittings	H52015
NUT,CONDUIT LOCK	H	Tubular Goods, Valves and Fittings	H52020
NUT,COUPLING	H	Tubular Goods, Valves and Fittings	H52025
NUT,EYE	H	Tubular Goods, Valves and Fittings	H52030
NUT,HEX	H	Tubular Goods, Valves and Fittings	H52035
NUT,LOCK	H	Tubular Goods, Valves and Fittings	H52040
NUT,MISC2	H	Tubular Goods, Valves and Fittings	H52091
NUT,SLOTTED	H	Tubular Goods, Valves and Fittings	H52045
NUT,SQUARE	H	Tubular Goods, Valves and Fittings	H52050
NUT,TUBE FITTING	H	Tubular Goods, Valves and Fittings	H52055
NUT,WING	H	Tubular Goods, Valves and Fittings	H52060
ODORANT,MISC	K	Paints, Chemicals and Laboratory	K84090
OHMMETER,MISC	J	Tools and Packing	J34590
OILER,MISC	J	Tools and Packing	J35090
OPENER,MISC	M	Household, Office, Fire and Safety	M65090
OPERATOR,MISC	C	Plant and Machinery	C59090
OPERATOR,SWITCH	C	Plant and Machinery	C59050
ORDNER,MISC	M	Household, Office, Fire and Safety	M39690
ORGANIZER,MISC	M	Household, Office, Fire and Safety	M39490
ORIFICE,MISC	H	Tubular Goods, Valves and Fittings	H54090
O-RING SET,MISC	J	Tools and Packing	J36090
O-RING,MISC2	J	Tools and Packing	J35591
OSCILLATOR,MISC	G	Electrical	G43590
OSCILLOSCOPE,MISC	J	Tools and Packing	J36590
OUTLET,MISC	C	Plant and Machinery	C59390
OUTLET,PIPE	C	Plant and Machinery	C59320
OUTLET,SERVICE	C	Plant and Machinery	C59350

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Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

OVEN,MISC	G	Electrical	G44090
PACK,MISC	M	Household, Office, Fire and Safety	M40090
PACK,TUNING	M	Household, Office, Fire and Safety	M40050
PACKER,DRILL	B	Drilling and Production	B16050
PACKER,MISC	B	Drilling and Production	B16090
PACKING,BULK	J	Tools and Packing	J37020
PACKING,MISC2	J	Tools and Packing	J37091
PACKING,RING SET	J	Tools and Packing	J37050
PAD,BRAKE	C	Plant and Machinery	C59910
PAD,CLEANING	C	Plant and Machinery	C59920
PAD,CONCRETE	C	Plant and Machinery	C59930
PAD,DESK	C	Plant and Machinery	C59940
PAD,DISC	C	Plant and Machinery	C59950
PAD,INK	C	Plant and Machinery	C59960
PAD,MISC	C	Plant and Machinery	C59990
PAD,WRITING	C	Plant and Machinery	C59970
PADDLE,MISC	C	Plant and Machinery	C60290
PAGER,MISC	G	Electrical	G44590
PAIL,MISC	M	Household, Office, Fire and Safety	M40190
PAINT,MISC	K	Paints, Chemicals and Laboratory	K48090
PALLET,MISC	M	Household, Office, Fire and Safety	M40590
PALLET,STORAGE	M	Household, Office, Fire and Safety	M40550
PAMPHLET,MISC	M	Household, Office, Fire and Safety	M41090
PAN,MISC	C	Plant and Machinery	C60590
PANEL,CONTROL	G	Electrical	G45020
PANEL,ELECTRICAL POWER	G	Electrical	G45050
PANEL,MISC	G	Electrical	G45090
PANTS,MISC	M	Household, Office, Fire and Safety	M41290
PAPER,BUILDING	M	Household, Office, Fire and Safety	M41505
PAPER,CARBON	M	Household, Office, Fire and Safety	M41515
PAPER,FILTER	M	Household, Office, Fire and Safety	M41525
PAPER,LETTERHEAD	M	Household, Office, Fire and Safety	M41535
PAPER,MISC	M	Household, Office, Fire and Safety	M41590
PAPER,PHOTO	M	Household, Office, Fire and Safety	M41545
PAPER,PRINTER/COPIER	M	Household, Office, Fire and Safety	M41555
PAPER,ROLL	M	Household, Office, Fire and Safety	M41565
PAPER,TEST	M	Household, Office, Fire and Safety	M41575
PARALLELS,MISC	G	Electrical	G45590
PARCEL,MISC	M	Household, Office, Fire and Safety	M41790
PARTITION,MISC	G	Electrical	G46090
PASTE,MISC	J	Tools and Packing	J38090
PATCH,MISC	C	Plant and Machinery	C60890
PATCH,TIRE	C	Plant and Machinery	C60850
PAWL,MISC	C	Plant and Machinery	C61190
PEDAL,MISC	D	Transportation	D55090
PEDESTAL,MISC	C	Plant and Machinery	C61490

PEGBOARD,MISC	M	Household, Office, Fire and Safety	M42090
PEMBUNGKUS,MISC	C	Plant and Machinery	C61790
PEN,INSTRUMENT	M	Household, Office, Fire and Safety	M42520
PEN,MISC	M	Household, Office, Fire and Safety	M42590
PEN,STATIONERY	M	Household, Office, Fire and Safety	M42550
PENCIL,MECHANICAL	M	Household, Office, Fire and Safety	M43050
PENCIL,MISC	M	Household, Office, Fire and Safety	M43090
PENETRANT,MISC	K	Paints, Chemicals and Laboratory	K50090
PERFORATOR,MISC	M	Household, Office, Fire and Safety	M43290
PERLAK,MISC	M	Household, Office, Fire and Safety	M43190
PESTICIDE,MISC	K	Paints, Chemicals and Laboratory	K52090
PHOTOTUBE,MISC	G	Electrical	G46590
PICK,MISC	C	Plant and Machinery	C62090
PICK-UP,MISC	C	Plant and Machinery	C62390
PIECE,MISC	M	Household, Office, Fire and Safety	M43590
PIG,MISC	I	Building Material, Metals and Hardware	I52090
PILLAR,MISC	C	Plant and Machinery	C62690
PILLOW,MISC	M	Household, Office, Fire and Safety	M43790
PILOT,MISC	C	Plant and Machinery	C62990
PILOT,TOOL	C	Plant and Machinery	C62920
PILOT,VALVE	C	Plant and Machinery	C62950
PIN SET,CLEVIS	J	Tools and Packing	J38510
PIN SET,COTTER	J	Tools and Packing	J38530
PIN SET,DOWEL	J	Tools and Packing	J38550
PIN SET,MISC	J	Tools and Packing	J38590
PIN SET,TAPER	J	Tools and Packing	J38570
PIN,CLEVIS	C	Plant and Machinery	C63210
PIN,COTTER	C	Plant and Machinery	C63220
PIN,DOWEL	C	Plant and Machinery	C63230
PIN,DRIFT	C	Plant and Machinery	C63240
PIN,MISC	C	Plant and Machinery	C63290
PIN,SHEAR	C	Plant and Machinery	C63250
PIN,TAPER	C	Plant and Machinery	C63260
PINCERS,MISC	J	Tools and Packing	J39090
PINION,MISC	C	Plant and Machinery	C63590
PINTLE,MISC	C	Plant and Machinery	C63890
PIPE,DRILL	H	Tubular Goods, Valves and Fittings	H56020
PIPE,LINE	H	Tubular Goods, Valves and Fittings	H56050
PIPE,MISC	H	Tubular Goods, Valves and Fittings	H56090
PIPE,SPECIAL PURPOSE	H	Tubular Goods, Valves and Fittings	H56080
PIPET,MISC	M	Household, Office, Fire and Safety	M44090
PISTON,MISC	C	Plant and Machinery	C64190
PIVOT,MISC	E	Machinery Accessories and Instruments	E44090
PLANE,MISC	D	Transportation	D60090

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PLANK,MISC	N	Other Materials Unclassified	N45090
PLAQUE,MISC	M	Household, Office, Fire and Safety	M44290
PLATE,BEARING LOCK	I	Building Material, Metals and Hardware	I53005
PLATE,FRAMING FITTING	I	Building Material, Metals and Hardware	I53010
PLATE,LEGEND	I	Building Material, Metals and Hardware	I53015
PLATE,METAL	I	Building Material, Metals and Hardware	I53020
PLATE,MISC2	I	Building Material, Metals and Hardware	I53091
PLATE,NAME	I	Building Material, Metals and Hardware	I53025
PLATE,ORIFICE	I	Building Material, Metals and Hardware	I53030
PLATE,SERVICE METER	I	Building Material, Metals and Hardware	I53035
PLATE,WALL	I	Building Material, Metals and Hardware	I53040
PLATE,WASHER	I	Building Material, Metals and Hardware	I53045
PLATFORM,MISC	I	Building Material, Metals and Hardware	I54090
PLAYER,MISC	J	Tools and Packing	J39590
PLIERS SET,MISC	J	Tools and Packing	J40590
PLIERS,MISC	J	Tools and Packing	J40090
PLUG,CEMENTING	H	Tubular Goods, Valves and Fittings	H58005
PLUG,CONDUIT	H	Tubular Goods, Valves and Fittings	H58015
PLUG,ELECTRICAL	H	Tubular Goods, Valves and Fittings	H58025
PLUG,MISC	H	Tubular Goods, Valves and Fittings	H58090
PLUG,PIPE	H	Tubular Goods, Valves and Fittings	H58035
PLUG,SPARK	H	Tubular Goods, Valves and Fittings	H58045
PLUG,TUBE	H	Tubular Goods, Valves and Fittings	H58055
PLUG,TUBE FITTING	H	Tubular Goods, Valves and Fittings	H58065
PLUG,VALVE	H	Tubular Goods, Valves and Fittings	H58075
PLUNGER,BOTTOM HOLE PUMP	C	Plant and Machinery	C64750
PLUNGER,MISC	C	Plant and Machinery	C64790
PLYWOOD,MISC	M	Household, Office, Fire and Safety	M44190
POINT,MISC	G	Electrical	G47090
POINTER,MISC	G	Electrical	G47590
POLE,LIGHT	G	Electrical	G48020
POLE,MISC	G	Electrical	G48090
POLE,POWER	G	Electrical	G48050
POLISH,MISC	K	Paints, Chemicals and Laboratory	K54090
POLISHER,MISC	K	Paints, Chemicals and Laboratory	K56090
POPPET,MISC	C	Plant and Machinery	C65090
POPPET,VALVE	C	Plant and Machinery	C65050
PORT,MISC	C	Plant and Machinery	C65390

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POSITIONER,MISC	E	Machinery Accessories and Instruments	E44590
POSITIONER,VALVE	E	Machinery Accessories and Instruments	E44550
POST,BINDING	C	Plant and Machinery	C65650
POST,MISC	C	Plant and Machinery	C65690
POSTER,MISC	M	Household, Office, Fire and Safety	M44490
POSTER,NAME	M	Household, Office, Fire and Safety	M44425
POT,ELECTRIC	C	Plant and Machinery	C65950
POT,MISC	C	Plant and Machinery	C65990
POTENTIOMETER,MISC	G	Electrical	G48590
POTHEAD,MISC	G	Electrical	G49090
POWDER,MISC	K	Paints, Chemicals and Laboratory	K58090
POWER SUPPLY,MISC	G	Electrical	G49590
PRESS,DRILL	E	Machinery Accessories and Instruments	E45050
PRESS,MISC	E	Machinery Accessories and Instruments	E45090
PRIMER,MISC	C	Plant and Machinery	C66290
PRIMER,SURFACE	C	Plant and Machinery	C66250
PRINTBAND,MISC	M	Household, Office, Fire and Safety	M44590
PRINTER,MISC	G	Electrical	G50090
PRINTHEAD,MISC	G	Electrical	G50590
PRINTWHEEL,MISC	G	Electrical	G51090
PROBE,MISC	E	Machinery Accessories and Instruments	E45590
PROBE,PROXIMITY	E	Machinery Accessories and Instruments	E45550
PROCESSOR,MISC	G	Electrical	G51590
PROGRAMMER,MISC	G	Electrical	G52090
PROJECTOR,MISC	G	Electrical	G52590
PROPELLER,MISC	D	Transportation	D65090
PROTECTOR,HEARING	G	Electrical	G53020
PROTECTOR,MISC	G	Electrical	G53090
PROTECTOR,MOTOR CIRCUIT	G	Electrical	G53050
PROTRACTOR,MISC	J	Tools and Packing	J41090
PROXIMITOR,MISC	E	Machinery Accessories and Instruments	E46090
PSYCHROMETER,MISC	J	Tools and Packing	J41590
PULLER,FUSE	J	Tools and Packing	J42050
PULLER,MISC	J	Tools and Packing	J42090
PULLEY,CONVEYOR	C	Plant and Machinery	C66520
PULLEY,MISC	C	Plant and Machinery	C66590
PULLEY,V-BELT	C	Plant and Machinery	C66550
PUMP,CENTRIFUGAL	C	Plant and Machinery	C66810
PUMP,DIAPHRAGM	C	Plant and Machinery	C66830
PUMP,MISC	C	Plant and Machinery	C66890
PUMP,RECIPROCATING	C	Plant and Machinery	C66850

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PUMP,ROTARY	C	Plant and Machinery	C66870
PUNCH SET,ARCH	J	Tools and Packing	J43020
PUNCH SET,KNOCKOUT	J	Tools and Packing	J43050
PUNCH SET,MISC	J	Tools and Packing	J43090
PUNCH,ARCH	J	Tools and Packing	J42520
PUNCH,KNOCKOUT	J	Tools and Packing	J42550
PUNCH,MISC	J	Tools and Packing	J42590
PUNCH,PAPER	J	Tools and Packing	J42580
PUP JOINT,MISC	B	Drilling and Production	B17090
PURIFIER,MISC	E	Machinery Accessories and Instruments	E46590
PUSHER,MISC	C	Plant and Machinery	C67190
PYROMETER,MISC	J	Tools and Packing	J43590
RACE,MISC	C	Plant and Machinery	C67490
RACHET,MISC	N	Other Materials Unclassified	N47090
RACK,CAPACITOR	C	Plant and Machinery	C67720
RACK,GEAR	C	Plant and Machinery	C67750
RACK,MISC	C	Plant and Machinery	C67790
RADIATOR,MISC	C	Plant and Machinery	C68090
RADIO,MISC	G	Electrical	G53590
RAG,MISC	M	Household, Office, Fire and Safety	M45090
RAIL,MISC	C	Plant and Machinery	C68390
RAIL,RAILROAD	C	Plant and Machinery	C68350
RAKE,MISC	M	Household, Office, Fire and Safety	M45590
RAM,BOP	C	Plant and Machinery	C68620
RAM,HYDRAULIC	C	Plant and Machinery	C68650
RAM,MISC	C	Plant and Machinery	C68690
RAMP,MISC	C	Plant and Machinery	C68990
RATCHET,MISC	C	Plant and Machinery	C69090
RAZOR,MISC	M	Household, Office, Fire and Safety	M44690
REACTOR,MISC	C	Plant and Machinery	C69290
READER,MISC	G	Electrical	G54090
REAMER,MISC	J	Tools and Packing	J44090
RECEIVER,LIGHT CURTAIN	G	Electrical	G54520
RECEIVER,MISC	G	Electrical	G54590
RECEIVER,TONE	G	Electrical	G54550
RECEIVER,TRAILER HITCH	G	Electrical	G54580
RECEPTACLE,CONNECTOR BODY	G	Electrical	G55020
RECEPTACLE,ELECTRICAL	G	Electrical	G55050
RECEPTACLE,MISC	G	Electrical	G55090
RECORDER,CHART	G	Electrical	G55520
RECORDER,MISC	G	Electrical	G55590
RECORDER,VIDEO	G	Electrical	G55550
RECTIFIER,MISC	G	Electrical	G56090
REDUCER,CONDUIT	H	Tubular Goods, Valves and Fittings	H60010

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

REDUCER,FUSE	H	Tubular Goods, Valves and Fittings	H60030
REDUCER,MISC	H	Tubular Goods, Valves and Fittings	H60090
REDUCER,PIPE	H	Tubular Goods, Valves and Fittings	H60050
REDUCER,TUBE	H	Tubular Goods, Valves and Fittings	H60070
REEL,CORD	M	Household, Office, Fire and Safety	M46020
REEL,HOSE	M	Household, Office, Fire and Safety	M46050
REEL,MISC	M	Household, Office, Fire and Safety	M46090
REFILL,MISC	M	Household, Office, Fire and Safety	M46590
REFILL,PEN	M	Household, Office, Fire and Safety	M46550
REFLECTOR,LIGHTING	G	Electrical	G56520
REFLECTOR,MARKING	G	Electrical	G56550
REFLECTOR,MISC	G	Electrical	G56590
REFRACTOR,MISC	J	Tools and Packing	J44590
REFRACTORY,MISC	J	Tools and Packing	J45090
REFRIGERANT,MISC	K	Paints, Chemicals and Laboratory	K60090
REFRIGERATOR,MISC	M	Household, Office, Fire and Safety	M47090
REGISTER,METER	M	Household, Office, Fire and Safety	M47550
REGISTER,MISC	M	Household, Office, Fire and Safety	M47590
REGULATOR,FILTER	E	Machinery Accessories and Instruments	E47020
REGULATOR,MISC	E	Machinery Accessories and Instruments	E47090
REGULATOR,PRESSURE	E	Machinery Accessories and Instruments	E47050
REGULATOR,VOLTAGE	E	Machinery Accessories and Instruments	E47080
REINFORCEMENT,MISC	F	Buildings, Tanks and Shop Equipment	F42590
RELAY,MISC	G	Electrical	G57090
RELAY,OVERLOAD	G	Electrical	G57010
RELAY,PNEUMATIC	G	Electrical	G57030
RELAY,SOLID STATE	G	Electrical	G57050
RELAY,TIME DELAY	G	Electrical	G57070
RELEASE,MISC	G	Electrical	G57590
REMOVER,LAMP	K	Paints, Chemicals and Laboratory	K62020
REMOVER,MISC	K	Paints, Chemicals and Laboratory	K62090
REMOVER,STAPLE	K	Paints, Chemicals and Laboratory	K62050
REPEATER,MISC	G	Electrical	G57790
RESCIPE,MISC	M	Household, Office, Fire and Safety	M47690
RESERVOIR,INK	C	Plant and Machinery	C69520
RESERVOIR,MISC	C	Plant and Machinery	C69590
RESERVOIR,OIL	C	Plant and Machinery	C69550
RESIN,MISC	K	Paints, Chemicals and Laboratory	K64090
RESISTOR,FIXED	G	Electrical	G58020
RESISTOR,MISC	G	Electrical	G58090
RESISTOR,NETWORK	G	Electrical	G58050
RESISTOR,VARIABLE	G	Electrical	G58080

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RESONATOR,MISC	G	Electrical	G58590
RESPIRATOR,MISC	M	Household, Office, Fire and Safety	M48090
RESTRICTOR,MISC	E	Machinery Accessories and Instruments	E47590
RETAINER,BEARING	C	Plant and Machinery	C69850
RETAINER,MISC	C	Plant and Machinery	C69890
RHEOSTAT,MISC	G	Electrical	G59090
RIB,MISC	C	Plant and Machinery	C70190
RIB,PACKER GRID	C	Plant and Machinery	C70150
RIBBON,MISC	E	Machinery Accessories and Instruments	E48090
RIDER,MISC	C	Plant and Machinery	C70490
RIM,MISC	C	Plant and Machinery	C70790
RING SET,MISC	E	Machinery Accessories and Instruments	E49090
RING SET,PISTON	E	Machinery Accessories and Instruments	E49050
RING,ADJUSTING	E	Machinery Accessories and Instruments	E48505
RING,BACK-UP	E	Machinery Accessories and Instruments	E48510
RING,CENTERING	E	Machinery Accessories and Instruments	E48515
RING,FRICTION	E	Machinery Accessories and Instruments	E48520
RING,LANTERN	E	Machinery Accessories and Instruments	E48525
RING,LOCATING	E	Machinery Accessories and Instruments	E48535
RING,LOCK	E	Machinery Accessories and Instruments	E48530
RING,MISC3	E	Machinery Accessories and Instruments	E48592
RING,PISTON	E	Machinery Accessories and Instruments	E48540
RING,RETAINING	E	Machinery Accessories and Instruments	E48545
RING,SPACER	E	Machinery Accessories and Instruments	E48550
RING,STOP	E	Machinery Accessories and Instruments	E48555
RING,WEAR	E	Machinery Accessories and Instruments	E48560
RING,WELDING	E	Machinery Accessories and Instruments	E48570
RING,WIPER	E	Machinery Accessories and Instruments	E48565
RISER,MISC	C	Plant and Machinery	C71090
RIVET,BLIND	I	Building Material, Metals and Hardware	I55050
RIVET,MISC	I	Building Material, Metals and Hardware	I55090
RIVETER,MISC	J	Tools and Packing	J46590

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ROCKER,MISC	C	Plant and Machinery	C71390
ROD END,MISC	C	Plant and Machinery	C71690
ROD,ANCHOR	I	Building Material, Metals and Hardware	I56005
ROD,ARMOR	I	Building Material, Metals and Hardware	I56010
ROD,BRAZING	I	Building Material, Metals and Hardware	I56015
ROD,DRILL	I	Building Material, Metals and Hardware	I56020
ROD,GROUND	I	Building Material, Metals and Hardware	I56025
ROD,MISC	I	Building Material, Metals and Hardware	I56090
ROD,POLISH	I	Building Material, Metals and Hardware	I56030
ROD,PONY	I	Building Material, Metals and Hardware	I56035
ROD,SUCKER	I	Building Material, Metals and Hardware	I56040
ROD,THREADED	I	Building Material, Metals and Hardware	I56045
ROD,VALVE	I	Building Material, Metals and Hardware	I56050
ROD,WELDING	I	Building Material, Metals and Hardware	I56055
ROLL,IDLER	J	Tools and Packing	J47050
ROLL,MISC	J	Tools and Packing	J47090
ROLLER,MISC	C	Plant and Machinery	C71990
ROPE,MISC	H	Tubular Goods, Valves and Fittings	H62090
ROPE,SAFETY	H	Tubular Goods, Valves and Fittings	H62020
ROPE,WIRE	H	Tubular Goods, Valves and Fittings	H62050
ROTARY TABLE,MISC	B	Drilling and Production	B18090
ROTATOR,DRILLING	C	Plant and Machinery	C72250
ROTATOR,MISC	C	Plant and Machinery	C72290
ROTOR,ASSY	C	Plant and Machinery	C72503
ROTOR,MISC	C	Plant and Machinery	C72590
ROTOR,PUMP	C	Plant and Machinery	C72550
ROUTER,MISC	G	Electrical	G59290
RUBBER BAND,MISC	I	Building Material, Metals and Hardware	I57090
RUG,MISC	M	Household, Office, Fire and Safety	M48190
RULE,MISC	J	Tools and Packing	J47590
RULER,MISC	M	Household, Office, Fire and Safety	M48890
RUNNER,MISC	C	Plant and Machinery	C72890
SADDLE,MISC	G	Electrical	G59590
SADDLE,PIPE INSULATION	G	Electrical	G59550
SAMPLER,MISC	E	Machinery Accessories and Instruments	E49590
SAND,MISC	K	Paints, Chemicals and Laboratory	K66090

SANDAL,MISC	M	Household, Office, Fire and Safety	M50490
SANDER,ELECTRIC	C	Plant and Machinery	C73120
SANDER,MISC	C	Plant and Machinery	C73190
SANDER,PNEUMATIC	C	Plant and Machinery	C73150
SANDER-GRINDER,MISC	C	Plant and Machinery	C73490
SARONG,MISC	M	Household, Office, Fire and Safety	M48290
SAW,HOLE	J	Tools and Packing	J48020
SAW,MISC	J	Tools and Packing	J48090
SAW,POWER	J	Tools and Packing	J48050
SCAFFOLD,MISC	F	Buildings, Tanks and Shop Equipment	F45090
SCALE,MISC	E	Machinery Accessories and Instruments	E50090
SCANNER,MISC	G	Electrical	G60090
SCISSORS,MISC	J	Tools and Packing	J48590
SCOOP,MISC	J	Tools and Packing	J49090
SCOTHLETE,MISC	M	Household, Office, Fire and Safety	M48990
SCRAP,MISC	J	Tools and Packing	J49590
SCRAPER,BELT	J	Tools and Packing	J50050
SCRAPER,MISC	J	Tools and Packing	J50090
SCREEN,MISC	I	Building Material, Metals and Hardware	I58090
SCREW SET,MISC	I	Building Material, Metals and Hardware	I60090
SCREW,CAP	I	Building Material, Metals and Hardware	I59005
SCREW,LAG	I	Building Material, Metals and Hardware	I59015
SCREW,MACHINE	I	Building Material, Metals and Hardware	I59025
SCREW,SELF-TAPPING	I	Building Material, Metals and Hardware	I59035
SCREW,SET	I	Building Material, Metals and Hardware	I59045
SCREW,SHOULDER	I	Building Material, Metals and Hardware	I59055
SCREW,THUMB	I	Building Material, Metals and Hardware	I59065
SCREW,WOOD	I	Building Material, Metals and Hardware	I59075
SCREWDRIVER SET,MISC	J	Tools and Packing	J51090
SCREWDRIVER,MISC	J	Tools and Packing	J50590
SCREWDRIVER,OFFSET	J	Tools and Packing	J50520
SCREWDRIVER,POWER	J	Tools and Packing	J50550
SCROLL,MISC	J	Tools and Packing	J51590
SCRUBBER,MISC	C	Plant and Machinery	C73790
SEAL,BASIC	E	Machinery Accessories and Instruments	E50505
SEAL,LABYRINTH	E	Machinery Accessories and Instruments	E50510

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

SEAL,MECHANICAL	E	Machinery Accessories and Instruments	E50530
SEAL,METER	E	Machinery Accessories and Instruments	E50550
SEAL,MISC2	E	Machinery Accessories and Instruments	E50591
SEAL,OIL	E	Machinery Accessories and Instruments	E50570
SEALANT,MISC	K	Paints, Chemicals and Laboratory	K67090
SEALER,MISC	J	Tools and Packing	J52090
SEAT,BOTTOM HOLE PUMP	C	Plant and Machinery	C74020
SEAT,MISC	C	Plant and Machinery	C74090
SEAT,VALVE	C	Plant and Machinery	C74050
SECTION,MISC	H	Tubular Goods, Valves and Fittings	H62290
SEED,MISC	M	Household, Office, Fire and Safety	M49290
SEGMENT,MISC	C	Plant and Machinery	C74390
SELECTOR,MISC	G	Electrical	G60290
SENSOR,CONDUCTIVITY	E	Machinery Accessories and Instruments	E51050
SENSOR,MISC	E	Machinery Accessories and Instruments	E51090
SEPARATOR,MISC	C	Plant and Machinery	C74690
SERVER,MISC	G	Electrical	G60190
SERVICE,MISC	E	Machinery Accessories and Instruments	E51590
SET,MISC	C	Plant and Machinery	C74990
SETTER,ANCHOR	J	Tools and Packing	J52550
SETTER,MISC	J	Tools and Packing	J52590
SHACKLE,MISC	I	Building Material, Metals and Hardware	I61090
SHADE,MISC	G	Electrical	G60590
SHAFT,CAM	C	Plant and Machinery	C75220
SHAFT,GEAR	C	Plant and Machinery	C75250
SHAFT,MISC	C	Plant and Machinery	C75290
SHAFT,PUMP	C	Plant and Machinery	C75280
SHANK,MISC	C	Plant and Machinery	C75490
SHARPENER,PENCIL	M	Household, Office, Fire and Safety	M48350
SHAVER,MISC	J	Tools and Packing	J53090
SHEARS,ELECTRIC	B	Drilling and Production	B18520
SHEARS,METAL CUTTING	B	Drilling and Production	B18550
SHEARS,MISC	B	Drilling and Production	B18590
SHEARS,PAPER	B	Drilling and Production	B18580
SHEATH,MISC	M	Household, Office, Fire and Safety	M48490
SHEET,EXPANDED METAL	I	Building Material, Metals and Hardware	I62050
SHEET,MISC	I	Building Material, Metals and Hardware	I62090
SHELF,MISC	I	Building Material, Metals and Hardware	I63090

SHELL,MISC	C	Plant and Machinery	C75590
SHELL,SHOTGUN	C	Plant and Machinery	C75550
SHELTER,MISC	C	Plant and Machinery	C75790
SHIELD,MISC	C	Plant and Machinery	C75890
SHIELD,SAFETY EQUIPMENT	C	Plant and Machinery	C75820
SHIELD,TUBE	C	Plant and Machinery	C75850
SHIFTER,MISC	G	Electrical	G61090
SHIM SET,MISC	I	Building Material, Metals and Hardware	I65090
SHIM STOCK,MISC	I	Building Material, Metals and Hardware	I66090
SHIM,MISC	I	Building Material, Metals and Hardware	I64090
SHIRT,MISC	M	Household, Office, Fire and Safety	M48690
SHOE,BEARING	C	Plant and Machinery	C76110
SHOE,BRAKE	C	Plant and Machinery	C76130
SHOE,FLOAT	C	Plant and Machinery	C76150
SHOE,LADDER	C	Plant and Machinery	C76170
SHOE,MISC	C	Plant and Machinery	C76190
SHOES,MISC	J	Tools and Packing	J53590
SHOES,SAFETY	J	Tools and Packing	J53550
SHORTS,MISC	N	Other Materials Unclassified	N60090
SHOVEL,MISC	J	Tools and Packing	J54090
SHOWER,MISC	J	Tools and Packing	J54590
SHREDDER,MISC	G	Electrical	G61390
SHROUD,MISC	C	Plant and Machinery	C76490
SHUNT,MISC	G	Electrical	G61590
SHUTTER,MISC	F	Buildings, Tanks and Shop Equipment	F46090
SIEVE,MISC	C	Plant and Machinery	C76790
SIGN,ELECTRICAL SAFETY	C	Plant and Machinery	C76820
SIGN,EXIT	C	Plant and Machinery	C76850
SIGN,LETTER/NUMERAL	C	Plant and Machinery	C76880
SIGN,MISC	C	Plant and Machinery	C76890
SIGNAL,MISC	E	Machinery Accessories and Instruments	E52090
SILENCER,MISC	C	Plant and Machinery	C76990
SIMULATOR,MISC	M	Household, Office, Fire and Safety	M48590
SINK,MISC	I	Building Material, Metals and Hardware	I67090
SIPHON,MISC	I	Building Material, Metals and Hardware	I68090
SIREN,MISC	E	Machinery Accessories and Instruments	E52290
SKID,MISC	C	Plant and Machinery	C77090
SKIMMER,MISC	M	Household, Office, Fire and Safety	M48790
SKIRT,MISC	C	Plant and Machinery	C77390
SKIRT,VALVE	C	Plant and Machinery	C77350

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SKIRTBOARD,MISC	N	Other Materials Unclassified	N70090
SLAT,MISC	E	Machinery Accessories and Instruments	E52590
SLEEVE,BEARING	E	Machinery Accessories and Instruments	E53005
SLEEVE,LINEMAN	E	Machinery Accessories and Instruments	E53020
SLEEVE,MISC	E	Machinery Accessories and Instruments	E53090
SLEEVE,PROTECTIVE	E	Machinery Accessories and Instruments	E53035
SLEEVE,SHAFT	E	Machinery Accessories and Instruments	E53050
SLEEVE,TUBE FITTING	E	Machinery Accessories and Instruments	E53065
SLIDE,MISC	C	Plant and Machinery	C77690
SLIDEWIRE,MISC	E	Machinery Accessories and Instruments	E53590
SLING,CHAIN	I	Building Material, Metals and Hardware	I69020
SLING,MISC	I	Building Material, Metals and Hardware	I69090
SLING,WEB	I	Building Material, Metals and Hardware	I69050
SLING,WIRE ROPE	I	Building Material, Metals and Hardware	I69080
SLINGER,MISC	C	Plant and Machinery	C77990
SLIP,MISC	B	Drilling and Production	B19090
SLIPPER,MISC	C	Plant and Machinery	C78290
SLIPPERS,MISC	M	Household, Office, Fire and Safety	M49390
SLUG,MISC	B	Drilling and Production	B20090
SNAP,MISC	C	Plant and Machinery	C78590
SNUBBER,MISC	C	Plant and Machinery	C78890
SNUBBER,PRESSURE	C	Plant and Machinery	C78850
SOAP,MISC	M	Household, Office, Fire and Safety	M49490
SOCK,MISC	N	Other Materials Unclassified	N80090
SOCKET SET,WRENCH	J	Tools and Packing	J55090
SOCKET,ELECTRICAL	G	Electrical	G62010
SOCKET,METER	G	Electrical	G62030
SOCKET,MISC	G	Electrical	G62090
SOCKET,TOOL	G	Electrical	G62050
SOCKET,WRENCH	G	Electrical	G62070
SOCKOLET,MISC	H	Tubular Goods, Valves and Fittings	H63090
SOCKOLET,PIPE	H	Tubular Goods, Valves and Fittings	H63050
SOCKS,MISC	E	Machinery Accessories and Instruments	E54090
SOFA,MISC	M	Household, Office, Fire and Safety	M49090
SOFTENER,MISC	N	Other Materials Unclassified	N90090
SOFTENER,WATER	N	Other Materials Unclassified	N90050
SOFTWARE,MISC	G	Electrical	G62290

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SOLDER,MISC	I	Building Material, Metals and Hardware	I70090
SOLENOID,MISC	E	Machinery Accessories and Instruments	E54590
SOLUTION,EYEWASH	E	Machinery Accessories and Instruments	E55050
SOLUTION,MISC	E	Machinery Accessories and Instruments	E55090
SOLVENT,MISC	K	Paints, Chemicals and Laboratory	K86090
SOURCE,MISC	G	Electrical	G62590
SOUVENIR,MISC	M	Household, Office, Fire and Safety	M49190
SPACER,CONDUIT	C	Plant and Machinery	C79120
SPACER,ELECTRICAL CABLE	C	Plant and Machinery	C79150
SPACER,MISC	C	Plant and Machinery	C79190
SPANNER,MISC	J	Tools and Packing	J55290
SPATULA,MISC	M	Household, Office, Fire and Safety	M49890
SPEAKER,MISC	E	Machinery Accessories and Instruments	E55590
SPEAR,DRILL	B	Drilling and Production	B20550
SPEAR,MISC	B	Drilling and Production	B20590
SPEEDER,MISC	E	Machinery Accessories and Instruments	E56090
SPIDER,MISC	C	Plant and Machinery	C79490
SPIDOL,MISC	M	Household, Office, Fire and Safety	M49690
SPIKE,MISC	J	Tools and Packing	J55590
SPINDLE,MISC	C	Plant and Machinery	C79790
SPLASHER,MISC	C	Plant and Machinery	C80090
SPLICE,CABLE TRAY	G	Electrical	G63020
SPLICE,CONDUCTOR	G	Electrical	G63050
SPLICE,MISC	G	Electrical	G63090
SPLINE,MISC	C	Plant and Machinery	C80390
SPLITTER,MISC	C	Plant and Machinery	C80690
SPONGE,MISC	M	Household, Office, Fire and Safety	M49590
SPOOL,MISC	C	Plant and Machinery	C80990
SPOOL,PIPE	C	Plant and Machinery	C80950
SPOON,MISC	M	Household, Office, Fire and Safety	M50090
SPOTLIGHT,MISC	M	Household, Office, Fire and Safety	M50390
SPOUT,MISC	C	Plant and Machinery	C81290
SPRAY,MISC	M	Household, Office, Fire and Safety	M50590
SPRAYER,MISC	J	Tools and Packing	J56090
SPREADER,COAL	G	Electrical	G63550
SPREADER,MISC	G	Electrical	G63590
SPRING SET,COMPRESSION	E	Machinery Accessories and Instruments	E57020
SPRING SET,EXTENSION	E	Machinery Accessories and Instruments	E57050
SPRING SET,MISC	E	Machinery Accessories and Instruments	E57090

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SPRING,COMPRESSION	E	Machinery Accessories and Instruments	E56505
SPRING,EXTENSION	E	Machinery Accessories and Instruments	E56520
SPRING,LEAF	E	Machinery Accessories and Instruments	E56535
SPRING,TORSION	E	Machinery Accessories and Instruments	E56550
SPRING,VALVE	E	Machinery Accessories and Instruments	E56565
SPRINKLER,FIRE PROTECTION	J	Tools and Packing	J56550
SPRINKLER,MISC	J	Tools and Packing	J56590
SPROCKET,MISC	E	Machinery Accessories and Instruments	E57590
SPUD,MISC	C	Plant and Machinery	C81590
SQUARE,MISC	J	Tools and Packing	J57090
SQUEZER,MISC	J	Tools and Packing	J57390
STAB,MISC	G	Electrical	G64090
STABILIZER,BOILING	G	Electrical	G64550
STABILIZER,MISC	G	Electrical	G64590
STACK,MISC	G	Electrical	G65090
STACKER,MISC	J	Tools and Packing	J57490
STAGE,MISC	N	Other Materials Unclassified	N53090
STAKE,MISC	C	Plant and Machinery	C81890
STAMP,MISC	J	Tools and Packing	J57590
STAND,MISC	C	Plant and Machinery	C82190
STANDARD,MISC	N	Other Materials Unclassified	N10390
STAPLE,MISC	C	Plant and Machinery	C82490
STAPLER,MISC	J	Tools and Packing	J58090
STAPLES,MISC	J	Tools and Packing	J58190
STARTER,AUTOMOTIVE	G	Electrical	G65510
STARTER,ELECTRIC MOTOR	G	Electrical	G65530
STARTER,LAMP	G	Electrical	G65550
STARTER,MISC	G	Electrical	G65590
STARTER,SCREW	G	Electrical	G65570
STATION,MISC	G	Electrical	G66090
STATOR,ELECTRIC MOTOR	C	Plant and Machinery	C82720
STATOR,MISC	C	Plant and Machinery	C82790
STATOR,PUMP	C	Plant and Machinery	C82750
STEAMER,MISC	E	Machinery Accessories and Instruments	E58090
STEERING,MISC	D	Transportation	D67590
STEM,MISC	H	Tubular Goods, Valves and Fittings	H64090
STEM,VALVE	H	Tubular Goods, Valves and Fittings	H64050
STENCIL,MISC	M	Household, Office, Fire and Safety	M51090
STEP,MISC	E	Machinery Accessories and Instruments	E58590
STEREO,MISC	G	Electrical	G66590

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STETHOSCOPE,MISC	L	Medical	L50090
STICK,HOT LINE	I	Building Material, Metals and Hardware	I71020
STICK,LEVEL	I	Building Material, Metals and Hardware	I71050
STICK,MISC	I	Building Material, Metals and Hardware	I71090
STIFFENER,MISC	C	Plant and Machinery	C83090
STIRRER,MISC	E	Machinery Accessories and Instruments	E59090
STIRRUP,MISC	C	Plant and Machinery	C83390
STOFMAP,MISC	M	Household, Office, Fire and Safety	M51190
STONE,HONING	I	Building Material, Metals and Hardware	I72020
STONE,MISC	I	Building Material, Metals and Hardware	I72090
STONE,SHARPENING	I	Building Material, Metals and Hardware	I72050
STONE,VALVE SEAT	I	Building Material, Metals and Hardware	I72080
STOOL,MISC	C	Plant and Machinery	C83690
STOP,MISC	C	Plant and Machinery	C83990
STOPPER,MISC	C	Plant and Machinery	C84290
STOVE,MISC	M	Household, Office, Fire and Safety	M51590
STRAINER,MISC	H	Tubular Goods, Valves and Fittings	H66090
STRAINER,PIPING	H	Tubular Goods, Valves and Fittings	H66050
STRAP,CABLE	C	Plant and Machinery	C84510
STRAP,CONDUIT	C	Plant and Machinery	C84520
STRAP,GROUNDING	C	Plant and Machinery	C84530
STRAP,MISC	C	Plant and Machinery	C84590
STRAP,PIPE	C	Plant and Machinery	C84540
STRAP,SAFETY	C	Plant and Machinery	C84550
STRAP,WRENCH	C	Plant and Machinery	C84560
STRATCHER,MISC	N	Other Materials Unclassified	N58090
STRAW,MISC	M	Household, Office, Fire and Safety	M51690
STRETCHER,MEDICAL	J	Tools and Packing	J58550
STRETCHER,MISC	J	Tools and Packing	J58590
STRIKER,MISC	C	Plant and Machinery	C84890
STRIP,MISC	I	Building Material, Metals and Hardware	I73090
STRIP,TERMINAL	I	Building Material, Metals and Hardware	I73020
STRIP,VALVE	I	Building Material, Metals and Hardware	I73050
STRIPPER,MISC	C	Plant and Machinery	C85190
STRUCTURE,MISC	I	Building Material, Metals and Hardware	I74090
STRUT,MISC	C	Plant and Machinery	C85490
STUB END,MISC	H	Tubular Goods, Valves and Fittings	H70090
STUB,MISC	H	Tubular Goods, Valves and Fittings	H68090

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STUB,VALVE	H	Tubular Goods, Valves and Fittings	H68050
STUD,ALL-THREAD	I	Building Material, Metals and Hardware	I75020
STUD,DOUBLE ENDED	I	Building Material, Metals and Hardware	I75050
STUD,MISC	I	Building Material, Metals and Hardware	I75090
STUD,TURBINE	I	Building Material, Metals and Hardware	I75080
STYLUS,MISC	B	Drilling and Production	B21090
SUB,CROSSOVER	G	Electrical	G67050
SUB,MISC	G	Electrical	G67090
SUCTION,MISC	N	Other Materials Unclassified	N58290
SUIT,MISC	M	Household, Office, Fire and Safety	M51790
SUPPORT,MISC	C	Plant and Machinery	C85790
SUPPRESSOR,MISC	E	Machinery Accessories and Instruments	E59590
SUSPENSION,MISC	D	Transportation	D70090
SUSPENSION,SAFETY HAT	D	Transportation	D70020
SUSPENSION,WELDING HELMET	D	Transportation	D70050
SWAB,MISC	B	Drilling and Production	B21590
SWEEPER,MISC	E	Machinery Accessories and Instruments	E59790
SWITCH,AIRBREAK	G	Electrical	G67505
SWITCH,AUXILIARY	G	Electrical	G67508
SWITCH,COMBINATION	G	Electrical	G67515
SWITCH,DISCONNECT	G	Electrical	G67520
SWITCH,DISCONNECT, OVERHEAD	G	Electrical	G67525
SWITCH,FLOW	G	Electrical	G67528
SWITCH,JOYSTICK	G	Electrical	G67530
SWITCH,LEVEL	G	Electrical	G67538
SWITCH,LIMIT	G	Electrical	G67535
SWITCH,MISC	G	Electrical	G67590
SWITCH,OIL IMMERSED	G	Electrical	G67540
SWITCH,PRESSURE	G	Electrical	G67545
SWITCH,PROXIMITY	G	Electrical	G67548
SWITCH,PUSHBUTTON	G	Electrical	G67550
SWITCH,SAFETY	G	Electrical	G67558
SWITCH,SELECTOR	G	Electrical	G67555
SWITCH,SPEED	G	Electrical	G67560
SWITCH,STEPPING	G	Electrical	G67565
SWITCH,TEMPERATURE	G	Electrical	G67568
SWITCH,TOGGLE	G	Electrical	G67570
SWITCH,VIBRATION	G	Electrical	G67575
SWITCHGEAR,MISC	G	Electrical	G68090
SWIVEL,MISC	H	Tubular Goods, Valves and Fittings	H72090
SYNCHRONIZER,MISC	G	Electrical	G68590

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SYNCHROSCOPE,MISC	G	Electrical	G69090
SYRINGE,MISC	E	Machinery Accessories and Instruments	E60090
TAB,MISC	C	Plant and Machinery	C86090
TAB,SEAL	C	Plant and Machinery	C86050
TABLE,MISC	M	Household, Office, Fire and Safety	M52090
TABUNG,MISC	C	Plant and Machinery	C86390
TACHOMETER,MISC	E	Machinery Accessories and Instruments	E60590
TACK,MISC	I	Building Material, Metals and Hardware	I76090
TACKLE,MISC	N	Other Materials Unclassified	N55090
TACKS,MISC	M	Household, Office, Fire and Safety	M52390
TAG,MISC	C	Plant and Machinery	C86690
TAG,SAFETY	C	Plant and Machinery	C86650
TAILSTOCK,MISC	J	Tools and Packing	J58790
TANK,MISC	F	Buildings, Tanks and Shop Equipment	F50090
TAP & DIE SET,THREADING	J	Tools and Packing	J59590
TAP SET,THREADING	J	Tools and Packing	J60090
TAP,MISC	J	Tools and Packing	J59090
TAP,THREADING	J	Tools and Packing	J59050
TAPE,ELECTRICAL	J	Tools and Packing	J60510
TAPE,EMBOSSING	J	Tools and Packing	J60520
TAPE,FISH	J	Tools and Packing	J60530
TAPE,MEASURING	J	Tools and Packing	J60540
TAPE,MISC	J	Tools and Packing	J60590
TAPE,PRINTER	J	Tools and Packing	J60570
TAPE,RECORDING, MAGNETIC	J	Tools and Packing	J60550
TAPE,SAFETY BARRIER	J	Tools and Packing	J60560
TAPPET,MISC	C	Plant and Machinery	C86990
TARPAULIN,MISC	M	Household, Office, Fire and Safety	M52590
TEE,FLOW	H	Tubular Goods, Valves and Fittings	H74005
TEE,MISC	H	Tubular Goods, Valves and Fittings	H74090
TEE,PIPE	H	Tubular Goods, Valves and Fittings	H74010
TEE,PIPE ADAPTER	H	Tubular Goods, Valves and Fittings	H74015
TEE,PIPE ADAPTER, REDUCING	H	Tubular Goods, Valves and Fittings	H74020
TEE,PIPE REDUCING	H	Tubular Goods, Valves and Fittings	H74025
TEE,TRAY	H	Tubular Goods, Valves and Fittings	H74030
TEE,TUBE	H	Tubular Goods, Valves and Fittings	H74035
TEE,TUBE ADAPTER	H	Tubular Goods, Valves and Fittings	H74040
TEE,TUBE ADAPTER, REDUCING	H	Tubular Goods, Valves and Fittings	H74045
TEE,TUBE REDUCING	H	Tubular Goods, Valves and Fittings	H74050
TEETH,MISC	L	Medical	L60090
TELEPHONE,MISC	G	Electrical	G69590
TELESCOPE,MISC	J	Tools and Packing	J61090
TELEVISION,MISC	M	Household, Office, Fire and Safety	M53090

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TEMPERATUR,MISC	N	Other Materials Unclassified	N60390
TENT,MISC	M	Household, Office, Fire and Safety	M53190
TERMINAL,MISC	G	Electrical	G70090
TERMINATOR,MISC	G	Electrical	G70290
TESTER,MISC	J	Tools and Packing	J61590
THERMISTOR,MISC	E	Machinery Accessories and Instruments	E61090
THERMOCOUPLE,MISC	E	Machinery Accessories and Instruments	E61590
THERMOMETER,DIAL	E	Machinery Accessories and Instruments	E62050
THERMOMETER,MISC	E	Machinery Accessories and Instruments	E62090
THERMOS,MISC	M	Household, Office, Fire and Safety	M53390
THERMOSTAT,AUTOMOTIVE	G	Electrical	G70550
THERMOSTAT,MISC	G	Electrical	G70590
THERMOWELL,MISC	E	Machinery Accessories and Instruments	E62590
THIMBLE,MISC	I	Building Material, Metals and Hardware	I77090
THINNER,MISC	K	Paints, Chemicals and Laboratory	K68090
THINNER,PAINT	K	Paints, Chemicals and Laboratory	K68050
THREADER,MISC	J	Tools and Packing	J62090
THREADOLET,MISC	H	Tubular Goods, Valves and Fittings	H75090
THROAT,MISC	C	Plant and Machinery	C87290
THROTTLE,MISC	C	Plant and Machinery	C87590
THROWER,MISC	C	Plant and Machinery	C87690
THYRISTOR,MISC	G	Electrical	G71090
TIE,CABLE	C	Plant and Machinery	C87820
TIE,INSULATOR	C	Plant and Machinery	C87850
TIE,MISC	C	Plant and Machinery	C87890
TIGHTENER,MISC	J	Tools and Packing	J62590
TILE,MISC	I	Building Material, Metals and Hardware	I78090
TIMER,MISC	G	Electrical	G71590
TIP,MISC	C	Plant and Machinery	C88190
TIP,PEN	C	Plant and Machinery	C88120
TIP,SOLDERING	C	Plant and Machinery	C88150
TIP,TORCH	C	Plant and Machinery	C88180
TIRE,MISC	D	Transportation	D75090
TISSUE,LENS	M	Household, Office, Fire and Safety	M53550
TISSUE,MISC	M	Household, Office, Fire and Safety	M53590
TITRATOR,MISC	L	Medical	L32990
TOASTER,MISC	M	Household, Office, Fire and Safety	M54090
TOILET,MISC	I	Building Material, Metals and Hardware	I79090
TONER,MISC	M	Household, Office, Fire and Safety	M54590
TONGS,MISC	J	Tools and Packing	J63090

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TONGS,WIRE	J	Tools and Packing	J63050
TOOL,HOT LINE STICK	J	Tools and Packing	J63550
TOOL,MISC	J	Tools and Packing	J63590
TOOTH,MISC	L	Medical	L70090
TOP,MISC	C	Plant and Machinery	C88490
TORCH,MISC	E	Machinery Accessories and Instruments	E63090
TOTALIZER,MISC	E	Machinery Accessories and Instruments	E63590
TOWEL,MISC	M	Household, Office, Fire and Safety	M55090
TOWER,MISC	E	Machinery Accessories and Instruments	E64290
TOWER,TRANSMISSION LINE	E	Machinery Accessories and Instruments	E64250
TRACK,MISC	G	Electrical	G72090
TRAILER,MISC	D	Transportation	D80090
TRANSDUCER,MISC	E	Machinery Accessories and Instruments	E64090
TRANSFORMER,IGNITION	G	Electrical	G72510
TRANSFORMER,INSTRUMENT	G	Electrical	G72520
TRANSFORMER,MISC	G	Electrical	G72590
TRANSFORMER,OVERHEAD	G	Electrical	G72530
TRANSFORMER,PAD MOUNT	G	Electrical	G72540
TRANSFORMER,SUBMERSIBLE	G	Electrical	G72550
TRANSFORMER,VARIABLE	G	Electrical	G72560
TRANSISTOR,MISC	G	Electrical	G73090
TRANSISTOR,MISC	G	Electrical	G73090
TRANSMISSION,MISC	E	Machinery Accessories and Instruments	E64590
TRANSMITTER,DIFFERENTIAL PRESSURE	E	Machinery Accessories and Instruments	E65010
TRANSMITTER,LIGHT CURTAIN	E	Machinery Accessories and Instruments	E65020
TRANSMITTER,LIQUID LEVEL	E	Machinery Accessories and Instruments	E65030
TRANSMITTER,MISC	E	Machinery Accessories and Instruments	E65090
TRANSMITTER,PRESSURE	E	Machinery Accessories and Instruments	E65040
TRANSMITTER,TEMPERATURE	E	Machinery Accessories and Instruments	E65050
TRANSMITTER,TONE	E	Machinery Accessories and Instruments	E65060
TRANSMITTER,TONE	E	Machinery Accessories and Instruments	E65060
TRAP,LINE	H	Tubular Goods, Valves and Fittings	H76020
TRAP,MISC	H	Tubular Goods, Valves and Fittings	H76090
TRAP,STEAM	H	Tubular Goods, Valves and Fittings	H76050
TRASH,MISC	M	Household, Office, Fire and Safety	M55190
TRAY,CABLE	C	Plant and Machinery	C88750

TRAY,MISC	C	Plant and Machinery	C88790
TRIGGER,MISC	C	Plant and Machinery	C89090
TRIM,LIGHT	E	Machinery Accessories and Instruments	E65550
TRIM,MISC	E	Machinery Accessories and Instruments	E65590
TRIP,MISC	N	Other Materials Unclassified	N60890
TRIPOD,MISC	J	Tools and Packing	J64090
TRIPPER,MISC	E	Machinery Accessories and Instruments	E65790
TROLLEY,MISC	M	Household, Office, Fire and Safety	M55590
TROUGH,METER	G	Electrical	G73550
TROUGH,MISC	G	Electrical	G73590
TROWEL,MISC	J	Tools and Packing	J64590
TRUCK,FIRE	D	Transportation	D85020
TRUCK,HAND	D	Transportation	D85050
TRUCK,MISC	D	Transportation	D85090
TRUNNION,MISC	C	Plant and Machinery	C89390
T-SHIRT,MISC	M	Household, Office, Fire and Safety	M55690
TUB,MISC	C	Plant and Machinery	C89690
TUBE,BOILER, BEND	H	Tubular Goods, Valves and Fittings	H78005
TUBE,BOILER, STRAIGHT	H	Tubular Goods, Valves and Fittings	H78010
TUBE,BOURDON	H	Tubular Goods, Valves and Fittings	H78015
TUBE,CAPILLARY	H	Tubular Goods, Valves and Fittings	H78020
TUBE,CATHODE RAY	H	Tubular Goods, Valves and Fittings	H78025
TUBE,ELECTRONIC	H	Tubular Goods, Valves and Fittings	H78030
TUBE,LANCE	H	Tubular Goods, Valves and Fittings	H78035
TUBE,METERING	H	Tubular Goods, Valves and Fittings	H78040
TUBE,MISC2	H	Tubular Goods, Valves and Fittings	H78091
TUBE,REFRIGERATION	H	Tubular Goods, Valves and Fittings	H78045
TUBE,STRUCTURAL	H	Tubular Goods, Valves and Fittings	H78050
TUBE,TIRE	H	Tubular Goods, Valves and Fittings	H78055
TUBE,VENTURI	H	Tubular Goods, Valves and Fittings	H78060
TUBING,METALLIC	B	Drilling and Production	B22010
TUBING,MISC	B	Drilling and Production	B22090
TUBING,NONMETALLIC	B	Drilling and Production	B22030
TUBING,OCTG	B	Drilling and Production	B22050
TUBING,SHRINK	B	Drilling and Production	B22070
TUMBLER,MISC	C	Plant and Machinery	C89990
TUNER,MISC	G	Electrical	G74090
TURBIDIMETER,MISC	C	Plant and Machinery	C90190
TURBINE,MISC	C	Plant and Machinery	C90290
TURBOCHARGER,MISC	C	Plant and Machinery	C90590
TURNBUCKLE,MISC	I	Building Material, Metals and Hardware	I80090
TURNING,MISC	N	Other Materials Unclassified	N61090

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TWINE,MISC	I	Building Material, Metals and Hardware	I81090
TYPEWRITER,MISC	G	Electrical	G74290
UMBRELLA,MISC	M	Household, Office, Fire and Safety	M56090
UNDERWEAR,MISC	M	Household, Office, Fire and Safety	M56590
UNION,CONDUIT	H	Tubular Goods, Valves and Fittings	H82005
UNION,HAMMER	H	Tubular Goods, Valves and Fittings	H82020
UNION,MISC	H	Tubular Goods, Valves and Fittings	H82090
UNION,PIPE	H	Tubular Goods, Valves and Fittings	H82035
UNION,TUBE	H	Tubular Goods, Valves and Fittings	H82050
UNION,TUBE, BULKHEAD	H	Tubular Goods, Valves and Fittings	H82065
UNIT,MISC	E	Machinery Accessories and Instruments	E66090
UNLOADER,MISC	C	Plant and Machinery	C90890
URINAL,MISC	L	Medical	L80090
VACUUM CLEANER,MISC	M	Household, Office, Fire and Safety	M57090
VALVE,ASSY	H	Tubular Goods, Valves and Fittings	H84003
VALVE,BALL	H	Tubular Goods, Valves and Fittings	H84005
VALVE,BELLOWS	H	Tubular Goods, Valves and Fittings	H84008
VALVE,BUTTERFLY	H	Tubular Goods, Valves and Fittings	H84015
VALVE,CHECK	H	Tubular Goods, Valves and Fittings	H84020
VALVE,COMPRESSOR	H	Tubular Goods, Valves and Fittings	H84025
VALVE,DIAPHRAGM	H	Tubular Goods, Valves and Fittings	H84028
VALVE,EXPANSION	H	Tubular Goods, Valves and Fittings	H84030
VALVE,FLOAT	H	Tubular Goods, Valves and Fittings	H84035
VALVE,FLUSH	H	Tubular Goods, Valves and Fittings	H84038
VALVE,GATE	H	Tubular Goods, Valves and Fittings	H84040
VALVE,GLOBE	H	Tubular Goods, Valves and Fittings	H84045
VALVE,KELLY	H	Tubular Goods, Valves and Fittings	H84048
VALVE,METERING	H	Tubular Goods, Valves and Fittings	H84050
VALVE,MISC2	H	Tubular Goods, Valves and Fittings	H84091
VALVE,NEEDLE	H	Tubular Goods, Valves and Fittings	H84055
VALVE,PINCH	H	Tubular Goods, Valves and Fittings	H84058
VALVE,PLUG	H	Tubular Goods, Valves and Fittings	H84060
VALVE,RELIEF	H	Tubular Goods, Valves and Fittings	H84065
VALVE,ROTARY	H	Tubular Goods, Valves and Fittings	H84068
VALVE,SELECTOR	H	Tubular Goods, Valves and Fittings	H84070
VALVE,SOLENOID	H	Tubular Goods, Valves and Fittings	H84075
VALVE,SPOOL	H	Tubular Goods, Valves and Fittings	H84078
VANE,MISC	C	Plant and Machinery	C91190
VARISTOR,MISC	G	Electrical	G74590
V-BELT SET,MISC	E	Machinery Accessories and Instruments	E66590
VENT,MISC	C	Plant and Machinery	C91490
VENT,RELIEF	C	Plant and Machinery	C91450
VENTILATOR,MISC	E	Machinery Accessories and Instruments	E67090

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VESSEL,MISC	F	Buildings, Tanks and Shop Equipment	F55090
VEST,MISC	M	Household, Office, Fire and Safety	M57490
VIBRATOR,MISC	J	Tools and Packing	J65090
VISE,MISC	B	Drilling and Production	B23090
VOLTMETER,MISC	G	Electrical	G75090
VOTATOR,MISC	N	Other Materials Unclassified	N95090
WALL,MISC	C	Plant and Machinery	C91790
WALLET,MISC	M	Household, Office, Fire and Safety	M57590
WASHER,ASSY	I	Building Material, Metals and Hardware	I82003
WASHER,BEARING LOCK	I	Building Material, Metals and Hardware	I82010
WASHER,BEVEL	I	Building Material, Metals and Hardware	I82005
WASHER,CONDUIT REDUCING	I	Building Material, Metals and Hardware	I82015
WASHER,FLAT	I	Building Material, Metals and Hardware	I82020
WASHER,LOCK	I	Building Material, Metals and Hardware	I82025
WASHER,PRESSURE CLEANING	I	Building Material, Metals and Hardware	I82030
WASHER,SEALING	I	Building Material, Metals and Hardware	I82035
WASHER,SHOULDER	I	Building Material, Metals and Hardware	I82040
WASHER,TAB	I	Building Material, Metals and Hardware	I82045
WATCH,MISC	M	Household, Office, Fire and Safety	M58090
WATER,MISC	K	Paints, Chemicals and Laboratory	K70090
WATTMETER,MISC	J	Tools and Packing	J65590
WEARPACK,MISC	M	Household, Office, Fire and Safety	M58390
WEBBING,MISC	M	Household, Office, Fire and Safety	M59090
WEDGE,MISC	C	Plant and Machinery	C92090
WEDGE,VALVE	C	Plant and Machinery	C92050
WEIGHT,MISC	C	Plant and Machinery	C92390
WELDER,MISC	F	Buildings, Tanks and Shop Equipment	F60090
WELDMENT,MISC	C	Plant and Machinery	C92690
WELDOLET,MISC	H	Tubular Goods, Valves and Fittings	H85090
WELDOLET,PIPE	H	Tubular Goods, Valves and Fittings	H85050
WELL,BUSHING	E	Machinery Accessories and Instruments	E67550
WELL,MISC	E	Machinery Accessories and Instruments	E67590
WELLHEAD,MISC	B	Drilling and Production	B24090
WHEEL SET,GRINDING	C	Plant and Machinery	C93250
WHEEL SET,MISC	C	Plant and Machinery	C93290
WHEEL,CUTOFF	C	Plant and Machinery	C92910

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WHEEL,CUTTER	C	Plant and Machinery	C92920
WHEEL,FLAP	C	Plant and Machinery	C92930
WHEEL,GRINDING	C	Plant and Machinery	C92940
WHEEL,MEASURING	C	Plant and Machinery	C92950
WHEEL,MISC	C	Plant and Machinery	C92990
WHEEL,MOUNTED POINT	C	Plant and Machinery	C92960
WHEEL,WIRE	C	Plant and Machinery	C92970
WHEELBARROW,MISC	M	Household, Office, Fire and Safety	M58890
WHISTLE,MISC	M	Household, Office, Fire and Safety	M58290
WICK,LUBRICATING	C	Plant and Machinery	C93550
WICK,MISC	C	Plant and Machinery	C93590
WINCH,MISC	C	Plant and Machinery	C93790
WINDER,MISC	M	Household, Office, Fire and Safety	M58490
WINDOW,MISC	C	Plant and Machinery	C93890
WINDOW,SIGHT	C	Plant and Machinery	C93850
WIPER,MISC	C	Plant and Machinery	C94190
WIPER,PIPE	C	Plant and Machinery	C94150
WIRE,FUSE	I	Building Material, Metals and Hardware	I83005
WIRE,GUY	I	Building Material, Metals and Hardware	I83020
WIRE,IGNITION	I	Building Material, Metals and Hardware	I83035
WIRE,LOCK	I	Building Material, Metals and Hardware	I83050
WIRE,MISC	I	Building Material, Metals and Hardware	I83090
WIRE,WELDING	I	Building Material, Metals and Hardware	I83065
WIRE/CABLE,ELECTRICAL	G	Electrical	G75520
WIRE/CABLE,ELECTRICAL, BARE	G	Electrical	G75550
WIRE/CABLE,MISC	G	Electrical	G75590
WIREHOLDER,MISC	I	Building Material, Metals and Hardware	I84090
WIREWAY,MISC	G	Electrical	G75790
WOOD,MISC	N	Other Materials Unclassified	N71090
WOOL,MISC	J	Tools and Packing	J66090
WOOL,STEEL	J	Tools and Packing	J66050
WORM,MISC	C	Plant and Machinery	C94490
WRAP,MISC	M	Household, Office, Fire and Safety	M58590
WRENCH SET,ADJUSTABLE	J	Tools and Packing	J67005
WRENCH SET,ALLEN	J	Tools and Packing	J67015
WRENCH SET,BOX END	J	Tools and Packing	J67025
WRENCH SET,COMBINATION	J	Tools and Packing	J67035
WRENCH SET,CROWFOOT	J	Tools and Packing	J67045
WRENCH SET,MISC	J	Tools and Packing	J67090
WRENCH SET,OPEN END	J	Tools and Packing	J67055

WRENCH SET,RATCHETING BOX END	J	Tools and Packing	J67065
WRENCH SET,SPANNER	J	Tools and Packing	J67075
WRENCH,ADJUSTABLE	J	Tools and Packing	J66505
WRENCH,ALLEN	J	Tools and Packing	J66510
WRENCH,BOX END	J	Tools and Packing	J66515
WRENCH,CHAIN	J	Tools and Packing	J66520
WRENCH,COMBINATION	J	Tools and Packing	J66525
WRENCH,CROWFOOT	J	Tools and Packing	J66530
WRENCH,IMPACT	J	Tools and Packing	J66535
WRENCH,MISC	J	Tools and Packing	J66590
WRENCH,OPEN END	J	Tools and Packing	J66540
WRENCH,PIPE	J	Tools and Packing	J66545
WRENCH,RATCHET	J	Tools and Packing	J66555
WRENCH,RATCHETING BOX END	J	Tools and Packing	J66550
WRENCH,SOCKET	J	Tools and Packing	J66560
WRENCH,SPANNER	J	Tools and Packing	J66565
WRENCH,SPUD	J	Tools and Packing	J66570
WRENCH,STRIKING	J	Tools and Packing	J66575
WRENCH,TAP	J	Tools and Packing	J66580
WRENCH,TORQUE	J	Tools and Packing	J66585
XMAS TREE,MISC	B	Drilling and Production	B25090
YARDSTICK,MISC	M	Household, Office, Fire and Safety	M58690
YARDSTICK,MISC	M	Household, Office, Fire and Safety	M58690
YOKE,MISC	C	Plant and Machinery	C94790
YOKE,MISC	C	Plant and Machinery	C94790
YOKE,VALVE	C	Plant and Machinery	C94750
YOKE,VALVE	C	Plant and Machinery	C94750
YORK,MISC	C	Plant and Machinery	C95090
YORK,MISC	C	Plant and Machinery	C95090
ZINC,MISC	N	Other Materials Unclassified	N98090
ZINC,MISC	N	Other Materials Unclassified	N98090

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

b. Characteristic

Sub_Class_Code	Characteristic1	Characteristic2	Characteristic3	Characteristic4	Characteristic5	Characteristic6	Characteristic7	Characteristic8	Characteristic9	Characteristic10	Characteristic11	Characteristic12	Characteristic13	Characteristic14	Characteristic15	Characteristic16	Characteristic17	Characteristic18
ABRASIVE,BELT	TYPE	MATERIAL	GRIT	BOND/BACKING	WIDTH	LENGTH	ADDITIONAL DETAIL											
ABRASIVE,DISC	TYPE	MATERIAL	GRIT	BOND/BACKING	ARBOR	DIAMETER	ADDITIONAL DETAIL											
ABRASIVE,MISC	TYPE	MATERIAL	GRIT	BOND/BACKING	SIZE	ADDITIONAL DETAIL												
ABRASIVE,PAD	TYPE	MATERIAL	GRIT	SIZE	ADDITIONAL DETAIL													
ABRASIVE,PARTICLE	TYPE	MATERIAL	GRIT	FORM	CONTAINER	ADDITIONAL DETAIL												
ABRASIVE,ROLL	TYPE	MATERIAL	GRIT	BOND/BACKING	WIDTH	LENGTH	ADDITIONAL DETAIL											
ABRASIVE,SHEET	TYPE	MATERIAL	GRIT	BOND/BACKING	WIDTH	LENGTH	ADDITIONAL DETAL											
ABRASIVE,SLEEVE	MATERIAL	GRIT	BOND/BACKING	INSIDE DIAMETER	FACE WIDTH	ADDITIONAL DETAIL												
ABSORBENT,MISC	TYPE	FORM	SIZE	ADDITIONAL DETAIL														
ABSORBER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ABSORBER,SHOCK	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ACCUMULATOR,MISC	TYPE	SERVICE	PRESSURE RATING	CAPACITY	ADDITIONAL DETAIL													
ACCELERATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ACCELEROMETER,MISC	TYPE	SCALE	FREQUENCY	ADDITIONAL DETAIL														
ACTUATOR,DIAPHRAGM	MATERIAL	OPERATED	TRAVEL	PRESSURE RATING	SIZE	ADDITIONAL DETAIL												
ACTUATOR,ELECTRIC MOTOR	TORQUE	GEAR RATIO	SPEED	ELECTRICAL RATING	ADDITIONAL DETAIL													
ACTUATOR,MISC	TYPE	TRAVEL	RATING	SIZE	ADDITIONAL DETAIL													
ACTUATOR,PNEUMATIC	TYPE	TRAVEL	RATING	ADDITIONAL DETAIL														
ADDER,MISC	TYPE	DIGITS	READOUT	SIZE	ELECTRICAL RATING	ADDITIONAL DETAIL												
ADDITIVE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
ADDITIVE,PERTAMINA	TYPE	CONTAINER	ADDITIONAL DETAIL															
ADHESIVE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
ADJUSTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ADAPTER,CONDUIT	TYPE	MATERIAL	SIZE A	CONNECTION A	SIZE B	CONNECTION B	ADDITIONAL DETAIL											
ADAPTER,COMMUNICATIONS	TYPE	CONDUCTOR	ADDITIONAL DETAIL															
ADAPTER,DRILL	TYPE	MATERIAL	PRESSURE RATING	CONNECTION	SIZE	ADDITIONAL DETAIL												
ADAPTER,HOSE	MATERIAL	HOSE SIZE	CONNECTION A	CONNECTION B	ADDITIONAL DETAIL													
ADAPTER,HOSE REDUCING	MATERIAL	SIZE	CONNECTION A	CONNECTION B	ADDITIONAL DETAIL													
ADAPTER,HOSE TO PIPE	MATERIAL	PIPE SIZE	PIPE CONNECTION	HOSE SIZE	HOSE CONNECTION	ADDITIONAL DETAIL												
ADAPTER,LAMP SOCKET	STYLE	NUMBER OF LAMPS	VOLTAGE	WATTAGE	ADDITIONAL DETAIL													
ADAPTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ADAPTER,PIPE	MATERIAL	CONNECTION A	CONNECTION B	RATING	SIZE	ADDITIONAL DETAIL												
ADAPTER,PIPE REDUCING	MATERIAL	CONNECTION A	CONNECTION B	RATING	SIZE	ADDITIONAL DETAIL												
ADAPTER,PLUG TO RECEPTACLE	MATERIAL	PLUG STYLE	PLUG RATING	RECEPTACLE STYLE	RECEPTACLE RATING	ADDITIONAL DETAIL												
ADAPTER,SOCKET DRIVE	MATERIAL	DRIVE END SIZE	SOCKET END SIZE	LENGTH	ADDITIONAL DETAIL													
ADAPTER,TUBE TO HOSE	MATERIAL	TUBE SIZE	TUBE CONNECTION	HOSE SIZE	HOSE CONNECTION	ADDITIONAL DETAIL												
ADAPTER,TUBE TO PIPE	MATERIAL	TUBE SIZE	TUBE CONNECTION	PIPE SIZE	PIPE CONNECTION	ADDITIONAL DETAIL												
ADAPTER,TUBE TO PIPE, BULKHEAD	MATERIAL	TUBE SIZE	TUBE CONNECTION	PIPE SIZE	PIPE CONNECTION	ADDITIONAL DETAIL												
ADAPTER,TUBE	MATERIAL	CONNECTION A	CONNECTION B	RATING	SIZE	ADDITIONAL DETAIL												
ADAPTER,TUBE, BULKHEAD	CONNECTION A	CONNECTION B	MATERIAL	SIZE	ADDITIONAL DETAIL													
ADAPTER,TUBE REDUCING	MATERIAL	CONNECTION A	CONNECTION B	RATING	SIZE	ADDITIONAL DETAIL												
AERATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
AGENT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
AGGREGATE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
AGITATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
AIR CONDITIONER,MISC	TYPE	BTU RATING	ELECTRICAL RATING	ADDITIONAL DETAIL														
AIR DUCT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
ALARM,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
ALGICIDE,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
ALING,MISC	TYPE	ADDITIONAL DETAIL																
ALTERNATOR,MISC	TYPE	AMPERAGE	VOLTAGE	ADDITIONAL DETAIL														
AMMETER,MISC	STYLE	READOUT	RANGE	ADDITIONAL DETAIL														
AMMN_CHL,MISC	TYPE	FORM	PURITY	CONTAINER	ADDITIONAL DETAIL													
AMMN_HYDX,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
AMPLIFIER,MISC	TYPE	POWER	AMPERAGE	INPUT RATING	OUTPUT RATING	ADDITIONAL DETAIL												
ANCHOR,EARTH	TYPE	MATERIAL	GUY ATTACHMENT	ROD SIZE	SIZE	HOLDING STRENGTH	ADDITIONAL DETAIL											
ANCHOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ANCHOR,SCREW	TYPE	MATERIAL	DRILL SIZE	OUTSIDE DIAMETER	ANCHOR LENGTH	SCREW SIZE	SCREW LENGTH	ADDITIONAL DETAIL										
ANCHOR,STUD	TYPE	MATERIAL	DIAMETER	THREADS	THREAD LENGTH	LENGTH	ADDITIONAL DETAIL											
ANCHOR,TUBING	CASING SIZE	SIZE/CONNECTION	TUBING WEIGHT	CASING WEIGHT	SERVICE	ADDITIONAL DETAIL												
ANCHOR,TOGGLE BOLT	HEAD	MATERIAL	MAXIMUM GRIP	BIT DIAMETER	DIAMETER	LENGTH	ADDITIONAL DETAIL											
ANEMOMETER,MISC	TYPE	DISPLAY	POWER SOURCE	RANGE	ADDITIONAL DETAIL													
ANGLE,FRAMING	MATERIAL	WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL													
ANGLE,FRAMING FITTING	MATERIAL	HOLE	HOLE SIZE	DEGREE	WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL										
ANGLE,MISC	TYPE	MATERIAL	WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL												
ANGLE,STRUCTURAL	MATERIAL	SPECIFICATION	GRADE	PROCESS	WIDTH	THICKNESS	LENGTH	WEIGHT	ADDITIONAL DETAIL									
ANILINE,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
ANALYZER,MISC	TYPE	POWER SOURCE	RANGE	ADDITIONAL DETAIL														
ANNUNCIATOR,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
ANODE,MISC	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL														
ANODE,PIPING	MATERIAL	THREADS	ROD DIAMETER	ROD LENGTH	ADDITIONAL DETAIL													
ANTENNA,MISC	TYPE	MATERIAL	CONNECTION	FREQUENCY	ADDITIONAL DETAIL													
ANVIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
APPLICATOR,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
APRON,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
ARBOR,HOLE SAW	SHANK	PILOT DIAMETER	HOLE SAW SIZE	ADDITIONAL DETAIL														
ARBOR,MISC	TYPE	MATERIAL	DRIVE END	DIAMETER	LENGTH	ADDITIONAL DETAIL												
ARM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ARMATURE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
ARRESTER,ELECTRICAL	TYPE	CLASS	VOLTAGE	ADDITIONAL DETAIL														
ARRESTER,FLAME	TYPE	MATERIAL	CONNECTION	SIZE	ADDITIONAL DETAIL													
ARRESTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ASHTRAY,MISC	TYPE	MATERIAL	COLOR	ADDITIONAL DETAIL														
ASPHALT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
ASPIRATOR,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
ASSEMBLY,MISC	TYPE	ADDITIONAL DETAIL																
ATOMIZER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ATTACHMENT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ATTENUATOR,MISC	TYPE	INCREMENT	CONNECTION	ATTENUATION	FREQUENCY	ADDITIONAL DETAIL												
AUGER,CONVEYOR	PITCH	FLIGHT MATERIAL	FLIGHT DIAMETER	FLIGHT THICKNESS	LENGTH	ADDITIONAL DETAIL												
AUGER,EARTH	DRIVER	MATERIAL	CUTTING DIAMETER	LENGTH	ADDITIONAL DETAIL													
AUGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
AWL,MISC	MATERIAL	SHANK DIAMETER	SHANK LENGTH	LENGTH	ADDITIONAL DETAIL													
AXE,MISC	TYPE	HEAD	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL													
AXLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BACKBOARD,MEDICAL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BACKBOARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BADGE,MISC	TYPE	DESIGNATION	SHAPE	COLOR	SIZE	ADDITIONAL DETAIL												
BAFFLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAG,FILTER	MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL														
BAG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAG,TOOL	MATERIAL	SIZE	ADDITIONAL DETAIL															
BAIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAILER,MISC	MULTIPLIER	SIZE/CONNECTION	OUTSIDE DIAMETER	ADDITIONAL DETAIL														
BALANCER,FLOW	TYPE	RANGE	ADDITIONAL DETAIL															
BALANCER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BALL,BOTTOM HOLE PUMP	MATERIAL	VALVE SIZE	BALL SIZE	ADDITIONAL DETAIL														
BALL,MISC	TYPE	MATERIAL	DIAMETER	ADDITIONAL DETAIL														
BALL,TRAILER	MATERIAL	SHANK SIZE	BALL SIZE	TOW CAPACITY	ADDITIONAL DETAIL													
BALL,VALVE	MATERIAL	DIAMETER	VALVE SIZE	ADDITIONAL DETAIL														
BALLAST,MISC	TYPE	STYLE	VOLTAGE	AMPERAGE	WATTAGE	NUMBER OF LAMPS	LAMP TYPE	LAMP WATTAGE	ADDITIONAL DETAIL									
BALLOON,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
BALM,MISC	TYPE	ADDITIONAL DETAIL																
BAND,HEAD	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAND,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAND,POLE	MATERIAL	SIZE	ADDITIONAL DETAIL															
BAND,STRAPPING	MATERIAL	THICKNESS	WIDTH	LENGTH	ADDITIONAL DETAIL													
BAND,SWEAT	MATERIAL	SIZE	ADDITIONAL DETAIL															
BAND AID,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BANDAGE,ADHESIVE	TYPE	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL													
BANDAGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BANDAGE,NONADHESIVE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BANDANA,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BANNER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAR,FLAT	PROCESS	MATERIAL	SPECIFICATION	GRADE	WIDTH	WEIGHT	THICKNESS	LENGTH	ADDITIONAL DETAIL									
BAR,HEX	PROCESS	MATERIAL	SPECIFICATION	GRADE	SIZE	LENGTH	WEIGHT	ADDITIONAL DETAIL										
BAR,MACHINING TOOL	MATERIAL	STYLE	DIAMETER	LENGTH	ADDITIONAL DETAIL													
BAR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAR,OCTAGON	PROCESS	MATERIAL	SPECIFICATION	GRADE	SIZE	LENGTH	WEIGHT	ADDITIONAL DETAIL										
BAR,REINFORCING	PROCESS	MATERIAL	SPECIFICATION	GRADE	NUMBER SIZE	SIZE	WEIGHT	ADDITIONAL DETAIL										
BAR,ROUND	PROCESS	MATERIAL	SPECIFICATION	GRADE	DIAMETER	LENGTH	WEIGHT	ADDITIONAL DETAIL										
BAR,ROUND, CORED	PROCESS	MATERIAL	SPECIFICATION	GRADE	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	WEIGHT	ADDITIONAL DETAIL									
BAR,SQUARE	PROCESS	MATERIAL	SPECIFICATION	GRADE	SIZE	LENGTH	WEIGHT	ADDITIONAL DETAIL										
BAROMETER,MISC	MATERIAL	SIZE	RANGE	ADDITIONAL DETAIL														
BARREL,BOTTOM HOLE PUMP	TYPE	MATERIAL	INTERNAL FINISH	CONNECTION	SIZE	ADDITIONAL DETAIL												
BARREL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														

BARRICADE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BARRIER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BARRIER,ZENER	CHANNEL	POLARITY	ELECTRICAL RATING	ADDITIONAL DETAIL														
BASE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BASE,POLE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BASE OIL,MISC	TYPE	FLASH POINT	CONTAINER	VISCOSITY RATING	ADDITIONAL DETAIL													
BASIN,MISC	TYPE	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL													
BASTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BAT,MISC	TYPE	MATERIAL	LENGTH	WEIGHT	ADDITIONAL DETAIL													
BATH,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
BATH,TEMPERATURE CONTROLLED	TYPE	READOUT	CHAMBER SIZE	SIZE	AMPERAGE	VOLTAGE	FREQUENCY	CAPACITY	STABILITY	TEMPERATURE RANG	ADDITIONAL DETAIL							
BATTERY,DRY CELL	TYPE	SIZE	CONNECTION	VOLTAGE	ADDITIONAL DETAIL													
BATTERY,MISC	TYPE	VOLTAGE	ADDITIONAL DETAIL															
BATTERY,PACK	TYPE	CELLS	CONNECTION	VOLTAGE	ADDITIONAL DETAIL													
BATTERY,STORAGE	TYPE	GROUP SIZE	CONNECTION	VOLTAGE	AMP HOURS	COLD CRANK AMP	ADDITIONAL DETAIL											
BAYONET,MISC	TYPE	WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL													
BOARD,INSULATION	MATERIAL	SIZE	ADDITIONAL DETAIL															
BOARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOARD,PRINTED CIRCUIT	FUNCTION	ADDITIONAL DETAIL																
BOARD,TERMINAL	CIRCUIT	CONNECTORS	ELECTRICAL RATING	ADDITIONAL DETAIL														
BOARD,WALL	MATERIAL	SIZE	ADDITIONAL DETAIL															
BODY,CONDUIT OUTLET	TYPE	MATERIAL	COVER	HUB SIZE	CONNECTION	SHAPE	FORM	ADDITIONAL DETAIL										
BODY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BODY,VALVE	MATERIAL	VALVE STYLE	CONNECTION	RATING	VALVE SIZE	ADDITIONAL DETAIL												
BEAKER,MISC	TYPE	MATERIAL	GRADUATIONS	SIZE	CAPACITY	ADDITIONAL DETAIL												
BEAKER LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BEAM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BEAM,STRUCTURAL	TYPE	PROCESS	MATERIAL	SPECIFICATION	GRADE	FLANGE WIDTH	FLANGE THICKNESS	WEB THICKNESS	DEPTH	LENGTH	WEIGHT	ADDITIONAL DETAIL						
BEAN,CHOKE	CHOKE TYPE	APPLICATION	MATERIAL	INSERT/LINING MATERIAL	ORIFICE SIZE	BODY SIZE	RATING	LENGTH	ADDITIONAL DETAIL									
BED,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BEDCOVER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BEDSHEET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BELL,MISC	TYPE	LOUDNESS	SIZE	OUTSIDE DIAMETER	ELECTRICAL RATING	ADDITIONAL DETAIL												
BELT,CONVEYOR	TYPE	MATERIAL	PLY	SIZE	ADDITIONAL DETAIL													
BELT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BELT,SAFETY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BELT,TIMING	BELT NUMBER	TOP WIDTH	TEETH	PITCH	PITCH LENGTH	ADDITIONAL DETAIL												
BELT,TOOL	TYPE	MATERIAL	WAIST SIZE	ADDITIONAL DETAIL														
BELT,V	TYPE	MATERIAL	BELT NUMBER	OUTSIDE CIRCUMFERENCE	THICKNESS	TOP WIDTH	ADDITIONAL DETAIL											
BELT UNIT,MISC	TYPE	ADDITIONAL DETAIL																
BENCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BEND,MISC	TYPE	MATERIAL	SIZE	DEGREE	ADDITIONAL DETAIL													
BEND,PIPE	MATERIAL	SPECIFICATION	GRADE	RADIUS	CONNECTION	DEGREE	RATING	SIZE	ADDITIONAL DETAIL									
BENDER,MISC	TYPE	POWER SOURCE	CAPACITY	ADDITIONAL DETAIL														
BENDER,PIPE/CONDUIT	TYPE	MATERIAL	POWER SOURCE	CAPACITY	ADDITIONAL DETAIL													
BENDER,TUBING	POWER SOURCE	CAPACITY	ADDITIONAL DETAIL															
BEVEL,MISC	BLADE LENGTH	HANDLE LENGTH	ADDITIONAL DETAIL															
BEVERAGE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
BEZEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUFFER,ELECTRONIC	TYPE	CONNECTION	ADDITIONAL DETAIL															
BUFFER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BIB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BICYCLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BILLET,MISC	MATERIAL	SPECIFICATION	GRADE	CROSS-SECTIONAL SIZE	CROSS-SECTIONAL SHAPE	LENGTH	ADDITIONAL DETAIL											
BIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BINDER,CLIPS	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BINDER,LOAD	TYPE	FORM	SIZE	LENGTH	LOAD RATING	ADDITIONAL DETAIL												
BINDER,LOOSE LEAF	COVER	HOLDING DEVICE	COLOR	SIZE	ADDITIONAL DETAIL													
BINDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BINDER,RING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BINOCULARS,MISC	TYPE	POWER	LENS DIAMETER	ADDITIONAL DETAIL														
BIT,DRIVE	TYPE	MATERIAL	SHANK	SIZE	LENGTH	ADDITIONAL DETAIL												
BIT,DRIVE SOCKET	TYPE	MATERIAL	DRIVE SIZE	SIZE	LENGTH	ADDITIONAL DETAIL												
BIT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BIT,ROCK	TYPE	TOOTH MATERIAL	IADC CODE	SIZE	SIZE/CONNECTION	ADDITIONAL DETAIL												
BIT,ROUTER	TYPE	MATERIAL	GUIDE	CUTTING DIAMETER	CUTTING LENGTH	SHANK DIAMETER	LENGTH	ADDITIONAL DETAIL										
BIT,TOOL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BIT,WOOD	TYPE	MATERIAL	TIP	SHANK	CUTTING DIAMETER	LENGTH	ADDITIONAL DETAIL											
BIT SET,DRIVE	TYPE	MATERIAL	SHANK	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
BIT SET,DRIVE SOCKET	TYPE	MATERIAL	DRIVE SIZE	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
BIT SET,MISC	TYPE	MATERIAL	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
BIT SET,ROUTER	TYPE	MATERIAL	GUIDE	CUTTING SIZE	SHANK DIAMETER	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
BIT SET,WOOD	TYPE	MATERIAL	TIP	SHANK	CUTTING DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL									
BITS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BITS,ROCK	TYPE	TOOTH MATERIAL	SIZE	SIZE/CONNECTION	IADC CODE	ADDITIONAL DETAIL												
BITS,TOOL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BITUMEN PAINT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
BACK,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BUCKET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUCKET,STEAM TRAP	MATERIAL	TRAP SIZE	ADDITIONAL DETAIL															
BLADDER,ACCUMULATOR	MATERIAL	SERVICE	PRESSURE RATING	SIZE	ADDITIONAL DETAIL													
BLADDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLADE,BAND SAW	BLADE MATERIAL	CUT MATERIAL	SIZE	TEETH PER INCH	ADDITIONAL DETAIL													
BLADE,CIRCULAR SAW	BLADE MATERIAL	CUT MATERIAL	TOOTH DESIGN	TEETH	DIAMETER	THICKNESS	ADDITIONAL DETAIL											
BLADE,ELECTRICAL	TYPE	MATERIAL	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL													
BLADE,FAN	TYPE	MATERIAL	AIR FLOW	DEGREE PITCH	SIZE	NUMBER OF BLADES	ADDITIONAL DETAIL											
BLADE,KNIFE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLADE,MEASURING	TYPE	MATERIAL	GRADUATIONS	COLOR	SIZE	ADDITIONAL DETAIL												
BLADE,MISC	TYPE	MATERIAL	SIZE	TEETH	ADDITIONAL DETAIL													
BLADE,STRAIGHT SAW	SAW TYPE	BLADE MATERIAL	CUT MATERIAL	WIDTH	THICKNESS	LENGTH	TEETH PER INCH	ADDITIONAL DETAIL										
BLADE,TURBINE	TYPE	MATERIAL	APPLICATION	STAGE/ROW	ADDITIONAL DETAIL													
BLADE,WIPER	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLADE SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
BLADE SET,SAW	SAW TYPE	BLADE MATERIAL	CUT MATERIAL	SIZE	TEETH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
BLADE SET,TURBINE	TYPE	MATERIAL	APPLICATION	STAGE/ROW	NUMBER OF PIECES	ADDITIONAL DETAIL												
BLANK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLANKET,ELECTRICAL INSULATING	VOLTAGE	SIZE	ADDITIONAL DETAIL															
BLANKET,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
BLIND,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLIND,PIPE	TYPE	MATERIAL	SPECIFICATION	GRADE	THICKNESS	RATING	SIZE	ADDITIONAL DETAIL										
BLIND,WINDOW	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
BUILDING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLENDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLOCK,CONTACT	TYPE	TERMINAL	CIRCUIT	CONTACT ARRANGEMENT	AMPERAGE	ELECTRICAL RATING	ADDITIONAL DETAIL											
BLOCK,FUSE	BLOCK MATERIAL	TERMINAL	FUSE TYPE	FUSE SIZE	POLE	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL										
BLOCK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BLOCK,ROPE	TYPE	MATERIAL	SHEAVES	SHEAVE DIAMETER	ROPE DIAMETER	LOAD RATING	ADDITIONAL DETAIL											
BLOCK,TERMINAL	BLOCK MATERIAL	TERMINAL	CIRCUIT	WIRE SIZE	VOLTAGE	AMPERAGE	SIZE	ADDITIONAL DETAIL										
BOLT,ANCHOR	MATERIAL	THREADS	THREAD LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL												
BOLT,CARRIAGE	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL											
BOLT,DOUBLE ARMING	MATERIAL	TENSILE STRENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL													
BOLT,ELEVATOR	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL											
BOLT,EYE	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS	THREAD LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL									
BOLT,J	MATERIAL	SPECIFICATION	GRADE	THREADS	THREAD LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL										
BOLT,LIFTING EYE	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS	THREAD LENGTH	DIAMETER	LENGTH	EYE DIAMETER	LOAD RATING	ADDITIONAL DETAIL							
BOLT,MACHINE	HEAD	MATERIAL	SPECIFICATION	GRADE	FINISHED	NOMINAL DIAMATER	LENGTH	THREAD LENGTH	THREAD	HEAT TREATMENT	NUT	NUT MATERIAL	COATING	DIMENSION STANDART OF BOLT	DIMENSION STANDART OF THREAD	DIMENSION STANDART OF NUT	ADDITIONAL REQUIRI	ADDITIONAL DETAIL
BOLT,MISC3	TYPE	HEAD	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL									
BOLT,PLOW	HEAD	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL										
BOLT,STUD	MATERIAL	SPECIFICATION	GRADE	DIAMETER	LENGTH	THREADS	HEAT TREATMENT	NUT	NUT MATERIAL	COATING	DIMENSION STANDAR	DIMENSION STANDAR	DIMENSION STAN	ADDITIONAL REQUIRMENT	ADDITIONAL DETAIL			
BOLT,SHOULDER	HEAD	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	SHOULDER DIAMETER	SHOULDER LENGTH	ADDITIONAL DETAIL								
BOLT,STOVE	HEAD	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL										
BOLT,T	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL											
BOLT,U	MATERIAL	SPECIFICATION	GRADE	INSIDE WIDTH	THREAD LENGTH	INSIDE LENGTH	NOMINAL SIZE	THREADS	DIAMETER	ADDITIONAL DETAIL								
BOLT,UPSET	TYPE	MATERIAL	SHANK LENGTH	DIAMETER	THREADS	LENGTH	ADDITIONAL DETAIL											
BLOWER,LEAF	TYPE	DRIVER	ADDITIONAL DETAIL															
BLOWER,MISC	TYPE	DRIVER	SIZE	AMPERAGE	CAPACITY	ELECTRICAL RATING	ADDITIONAL DETAIL											
BLOWER,SNOW	DRIVER	DISCHARGE SIDE	PICKUP WIDTH	ADDITIONAL DETAIL														
BLOWER,SOOT	TYPE	DRIVER	ADDITIONAL DETAIL															
BELLOWS,MISC	TYPE	MATERIAL	PRESSURE RANGE	ADDITIONAL DETAIL														
BLOWOUT PREVENTER,MISC	TYPE	CONNECTION	PRESSURE RATING	SIZE	ADDITIONAL DETAIL													
BOAT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOAT UMUM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOBBIN,MISC	TYPE	ADDITIONAL DETAIL																
BOILER,ELECTRIC	TYPE	MATERIAL	BTU PER HOUR	ELECTRICAL RATING	INPUT RATING	CAPACITY	SIZE	ADDITIONAL DETAIL										
BOILER,FUEL FIRED	TYPE	MATERIAL	IGNITION	SIZE	BTU PER HOUR	FUEL	ADDITIONAL DETAIL											
BOILER,MISC	TYPE	MATERIAL	RATING	SIZE	ADDITIONAL DETAIL													
BOLT SET,MISC	TYPE	HEAD	MATERIAL	SIZE	LENGTH	NUMBER OF PIECES	ADDITIONAL DETAIL											
BOND,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BONNET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														

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BONNET,VALVE	MATERIAL	VALVE STYLE	RATING	VALVE SIZE	ADDITIONAL DETAIL													
BOOK,MISC	TYPE	PAGES	ADDITIONAL DETAIL															
BOOK,PERSONAL ORGANIZER	TYPE	COVER	SIZE	ADDITIONAL DETAIL														
BOOK,REFERENCE	TYPE	TITLE	PAGES	ADDITIONAL DETAIL														
BOOKLET,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BOOM,MISC	TYPE	MATERIAL	CROSS-SECTIONAL SIZE	LENGTH	ADDITIONAL DETAIL													
BOOT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOOTH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOOTS,MISC	TYPE	MATERIAL	COLOR	HEIGHT	SIZE	ADDITIONAL DETAIL												
BORESCOPE,MISC	FIELD VIEW	POWER	VIEWING DIAMETER	DISTANCE	ADDITIONAL DETAIL													
BOTTLE,MISC	TYPE	MATERIAL	STYLE	CAPACITY	ADDITIONAL DETAIL													
BOTTLE LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BOWL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOWL,PUMP	TYPE	MATERIAL	PUMP SIZE	ADDITIONAL DETAIL														
BOX,CONDUIT, CAST DEVICE	TYPE	MATERIAL	GANG	CONNECTION	HUB SIZE	ADDITIONAL DETAIL												
BOX,CONDUIT OUTLET	TYPE	MATERIAL	HUB PLACEMENT	COVER	COVER OPENING DIAMETER	SHAPE	CONNECTION	HUB SIZE	NUMBER OF HUBS	ADDITIONAL DETAIL								
BOX,ELECTRICAL	TYPE	MATERIAL	GANG	SHAPE	KNOCKOUTS	SIZE	ADDITIONAL DETAIL											
BOX,MISC	TYPE	MATERIAL	NEMA RATING	CAPACITY	SIZE	ADDITIONAL DETAIL												
BOX,SERVICE METER	MATERIAL	SIZE	ADDITIONAL DETAIL															
BOX,STUFFING	MATERIAL	ROD DIAMETER	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL													
BOX,TOOL	MATERIAL	SIZE	ADDITIONAL DETAIL															
BRACE,MEDICAL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BRACE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BRACE,POLE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BRAID,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
BRANCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BREWER,MISC	TYPE	MATERIAL	HEATING TECHNIQUE	HEAT SOURCE	CAPACITY	ADDITIONAL DETAIL												
BRIEFCASE,MISC	TYPE	MATERIAL	STYLE	HANDLES	COMPARTMENTS	COLOR	SIZE	ADDITIONAL DETAIL										
BEARING,ASSY	TYPE	MATERIAL	STYLE	SERIES	SIZE	ADDITIONAL DETAIL												
BEARING,BALL	TYPE	ROW	DESIGNATION	MANUFACTURE	ADDITIONAL DETAIL													
BEARING,CAM FOLLOWER	STYLE	STUD DIAMETER	STUD LENGTH	THREADS	THREAD LENGTH	ROLLING ELEMENT	OUTSIDE DIAMETER	WIDTH	ADDITIONAL DETAIL									
BEARING,FLANGE BLOCK	HOUSING MATERIAL	SHAFT ATTACHMENT	ROLLING ELEMENT	SHAPE	SERIES	BOLT MOUNTING	BOLT DIAMETER	BLOCK SIZE	THICKNESS	INSIDE DIAMETER	ADDITIONAL DETAIL							
BEARING,LINEAR	MATERIAL	STYLE	ELEMENT	SIZE	ADDITIONAL DETAIL													
BEARING,LINER	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BEARING,MARINE	INSIDE DIAMETER	MATERIAL	OUTSIDE DIAMETER	LENGTH	CODE NAME	ADDITIONAL DETAIL												
BEARING,MISC2	TYPE	MATERIAL	STYLE	SERIES	SIZE	ADDITIONAL DETAIL												
BEARING,PILLOW BLOCK	HOUSING MATERIAL	SHAFT ATTACHMENT	SHAFT HEIGHT	ROLLING ELEMENT	SERIES	BOLT MOUNTING	BLOCK SIZE	INSIDE DIAMETER	ADDITIONAL DETAIL									
BEARING,ROLLER	TYPE	ROW	RACE	DESIGNATION	MANUFACTURE	ADDITIONAL DETAIL												
BEARING,ROD END	TYPE	STYLE	HOUSING MATERIAL	SHANK DIAMETER	THREADS	INSIDE DIAMETER	OUTSIDE DIAMETER	WIDTH	ADDITIONAL DETAIL									
BEARING,SLEEVE	TYPE	MATERIAL	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL												
BEARING,TAKE-UP	ROLLING ELEMENT	SHAFT ATTACHMENT	HOUSING STYLE	HOUSING SIZE	INSIDE DIAMETER	ADDITIONAL DETAIL												
BRICK,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
BRIDGE,ELECTRICAL	TYPE	RATING	ADDITIONAL DETAIL															
BRIDGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BRAKE,MISC	TYPE	TORQUE	ADDITIONAL DETAIL															
BREAKER,CIRCUIT	TYPE	POLE	INTERRUPT CAPACITY	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL												
BREAKER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BRACKET,FRAMING FITTING	STYLE	MATERIAL	CHANNEL SIZE	HOLE SIZE	NUMBER OF HOLES	ADDITIONAL DETAIL												
BRACKET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BROACH,MISC	TYPE	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL													
BROACH SET,MISC	TYPE	MATERIAL	SHAPE	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
BROCHURE,MISC	TYPE	SIZE	NUMBER	ADDITIONAL DETAIL														
BROOM,MISC	TYPE	MATERIAL	HANDLE MATERIAL	HEAD SIZE	HANDLE SIZE	TRIM LENGTH	ADDITIONAL DETAIL											
BRUSH,ELECTRICAL	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
BRUSH,MISC	TYPE	BRISTLE MATERIAL	HANDLE	BRISTLE SIZE	LENGTH	ADDITIONAL DETAIL												
BRUSH,PAINT	TYPE	SHAPE	HANDLE	BRISTLE MATERIAL	BRISTLE SIZE	ADDITIONAL DETAIL												
BRUSH,TUBE	TYPE	BRISTLE MATERIAL	BRISTLE SIZE	LENGTH	ADDITIONAL DETAIL													
BRUSH,WIRE	TYPE	HANDLE	BRISTLE MATERIAL	BRISTLE SIZE	SIZE	ADDITIONAL DETAIL												
BREATHER,MISC	TYPE	MATERIAL	SIZE/CONNECTION	ADDITIONAL DETAIL														
BRUSH SET,ELECTRICAL	TYPE	MATERIAL	SIZE	CONNECTION	NUMBER OF PIECES	ADDITIONAL DETAIL												
BRUSH SET,MISC	TYPE	BRISTLE MATERIAL	HANDLE	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
BUSH,ASSY	TYPE	MATERIAL	ADDITIONAL DETAIL															
BUSH,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BASKET,MISC	TYPE	MATERIAL	PERFORATION SIZE	SIZE	ADDITIONAL DETAIL													
BASKET,STRAINER	MATERIAL	PERFORATION SIZE	SIZE	ADDITIONAL DETAIL														
BASKET,WASTE	MATERIAL	SHAPE	COLOR	SIZE	CAPACITY	ADDITIONAL DETAIL												
BASKETS,MISC	TYPE	MATERIAL	PERFORATION SIZE	SIZE	ADDITIONAL DETAIL													
BASKETS,STRAINER	MATERIAL	PERFORATION SIZE	SIZE	ADDITIONAL DETAIL														
BASKETS,WASTE	MATERIAL	SHAPE	COLOR	SIZE	CAPACITY	ADDITIONAL DETAIL												
BOOSTER,AIR	INLET CONNECTION	OUTLET CONNECTION	SUPPLY RATING	EXHAUST RATING	RATIO	ADDITIONAL DETAIL												
BOOSTER,CHARGE	COLOR	CALIBER	POWER LEVEL	ADDITIONAL DETAIL														
BOOSTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BOTTOM,DOOR	TYPE	HOUSING MATERIAL	INSERT MATERIAL	SIZE	ADDITIONAL DETAIL													
BOTTOM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUBBLER,MISC	TYPE	MATERIAL	SIZE/CONNECTION	ADDITIONAL DETAIL														
BUCKLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUFFLE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BULB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BULB,TEMPERATURE	TYPE	MATERIAL	CAPILLARY LENGTH	BULB LENGTH	DIAMETER	RANGE	ADDITIONAL DETAIL											
BULB LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BULKHEAD,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
BULLETIN,MISC	TYPE	ADDITIONAL DETAIL																
BUMPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUNDLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUNDLE, TUBE	TYPE	MATERIAL	TUBE SIZE	TUBES PER BUNDLE	ADDITIONAL DETAIL													
BUOY,MISC	TYPE	SIZE	MATERIAL	ADDITIONAL DETAIL														
BUR,MISC	MATERIAL	SHAPE	CUT	SHANK DIAMETER	HEAD DIAMETER	CUT LENGTH	ADDITIONAL DETAIL											
BUR SET,MISC	MATERIAL	SHAPE	CUT	SHANK DIAMETER	HEAD DIAMETER	CUT LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL									
BURETTE,MISC	TYPE	MATERIAL	GRADUATIONS	CAPACITY	ADDITIONAL DETAIL													
BURNER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BURNISHER,MISC	TYPE	SIZE	LENGTH	ADDITIONAL DETAIL														
BUS,MISC	MATERIAL	SPECIFICATION	SHAPE	SIZE	ADDITIONAL DETAIL													
BUSHING,BOTTOM HOLE PUMP	TYPE	PUMP TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
BUSHING,CONDUIT	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
BUSHING,DRIVE	TYPE	MATERIAL	KEYSEAT SIZE	BOLTS	BOLT CIRCLE	BORE	SIZE NUMBER	ADDITIONAL DETAIL										
BUSHING,ELECTRICAL CONDUCTOR	TYPE	HEIGHT	PORCELAIN LENGTH	SHED DIAMETER	VOLTAGE	AMPERAGE	BIL RATING	ADDITIONAL DETAIL										
BUSHING,GUIDE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUSHING,KELLY	TYPE	SIZE	ADDITIONAL DETAIL															
BUSHING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUSHING,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
BUSHING,PIPE, HEX	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
BUSHING,PUMP	TYPE	MATERIAL	SIZE	PUMP SIZE	ADDITIONAL DETAIL													
BUSHING,ROTARY	TYPE	ROTARY TABLE SIZE	SIZE	ADDITIONAL DETAIL														
BUSHING,THROTTLE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
BUSHING,VALVE	TYPE	MATERIAL	VALVE SIZE	SIZE	ADDITIONAL DETAIL													
BUTTON,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
BUZZER,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
CABINET,FILE	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
CABINET,FURNITURE	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
CABINET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CADDY,CORD	TYPE	CORD LENGTH	ADDITIONAL DETAIL															
CADDY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CAGE,BEARING	MATERIAL	SIZE	ADDITIONAL DETAIL															
CAGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CAGE,PUMP SEAL	MATERIAL	SIZE	ADDITIONAL DETAIL															
CAGE,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	SIZE	ADDITIONAL DETAIL													
CALIBRATOR,MISC	TYPE	POWER SOURCE	RANGE	ADDITIONAL DETAIL														
CALCULATOR,MISC	TYPE	POWER SOURCE	DIGITS	SIZE	OUTPUT	ADDITIONAL DETAIL												
CALENDAR,DESK	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CALENDAR,MISC	TYPE	DISPLAY	SIZE	ADDITIONAL DETAIL														
CALENDAR,WALL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CALIPER,BRAKE	TYPE	ADDITIONAL DETAIL																
CALIPER,MISC	TYPE	MATERIAL	GRADUATIONS	SIZE	ADDITIONAL DETAIL													
CAM,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
CAMERA,MISC	TYPE	FILM	FOCUS	ADDITIONAL DETAIL														
CAN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CANDLE,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
CANE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CANISTER,FIRE EXTINGUISHER	TYPE	CAPACITY	ADDITIONAL DETAIL															
CANISTER,GAS MASK	STYLE	USE	ADDITIONAL DETAIL															
CANISTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CANOPY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CANT HOOK,MISC	HOOK MATERIAL	HANDLE MATERIAL	HANDLE SIZE	ADDITIONAL DETAIL														
CANTEEN,MISC	MATERIAL	CAPACITY	ADDITIONAL DETAIL															
CAP,CONDUIT	TYPE	MATERIAL	CONNECTION	SIZE	ADDITIONAL DETAIL													
CAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CAP,PIPE	MATERIAL	SPECIFICATION	GRADE	STRUCTURE	CONNECTION	RATING	SIZE	COATING	STANDARD OF DESIG	STANDARD OF WALL	ADDITIONAL DETAIL							
CAP,TUBE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL														
CAP,XMAS TREE	BORE	SERVICE	INTERNAL THREADS	RATING	BOTTOM SIZE/CONNECTION	TOP SIZE/CONNECTION	ADDITIONAL DETAIL											

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CAPACITOR,BANK	UNITS	MOUNT	CONNECTION	KVAR RATING	ELECTRICAL RATING	ADDITIONAL DETAIL											
CAPACITOR,LINE	MOUNT	CONNECTION	KVAR RATING	ELECTRICAL RATING	BIL RATING	ADDITIONAL DETAIL											
CAPACITOR,MISC	TYPE	STYLE	TOLERANCE	CAPACITANCE	VOLTAGE	SIZE	CONNECTION	ADDITIONAL DETAIL									
CAPE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CAPILLARY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CAPSTAN,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
CAPSULE,MISC	TYPE	MATERIAL	RANGE	ADDITIONAL DETAIL													
CAPSULE,SURVIVAL	MATERIAL	CAPACITY	ADDITIONAL DETAIL														
CARABINER,MISC	TYPE	MATERIAL	SIZE	WORK LOAD LIMIT	ADDITIONAL DETAIL												
CARAFE,MISC	TYPE	MATERIAL	CAPACITY	ADDITIONAL DETAIL													
CARBURETOR,MISC	TYPE	ADDITIONAL DETAIL															
CARBONATOR,MISC	TYPE	APPLICATION	SIZE	MICRON	ADDITIONAL DETAIL												
CARD,COMPUTER	TYPE	COLOR	SIZE	ADDITIONAL DETAIL													
CARD,INDEX	COLOR	SIZE	ADDITIONAL DETAIL														
CARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CARD,TAB	TYPE	COLOR	SIZE	ADDITIONAL DETAIL													
CARPET,MISC	TYPE	MATERIAL	FORM	COLOR	SIZE	ADDITIONAL DETAIL											
CARRIAGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CARRIER,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
CART,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL												
CASE,ASSY	TYPE	MATERIAL	ADDITIONAL DETAIL														
CASE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CASK,MISC	MATERIAL	CAPACITY	ADDITIONAL DETAIL														
CASSEROLE,MISC	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
CASTER,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL												
CASTING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CATALYST,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
CATCH,MISC	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL												
CATCHER,MISC	TYPE	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL													
CATHEAD,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
CATHODE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL														
CABLE,COAXIAL	TYPE	INNER CONDUCTOR	SHIELD	ADDITIONAL DETAIL													
CABLE,FIBER OPTIC	TYPE	STYLE	JACKET	FIBERS	BUFFER	SIZE	ADDITIONAL DETAIL										
CABLE,HEAT TRACE	TYPE	HEATER STYLE	INSULATION	JACKET	CONDUCTOR	VOLTAGE	WATTAGE	CONDUCTOR SIZE	LENGTH	ADDITIONAL DETAIL							
CABLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CELL,CONDUCTIVITY	TYPE	MATERIAL	ELECTRODE	CELL CONSTANT	ADDITIONAL DETAIL												
CELL,LOAD	TYPE	CAPACITY	ADDITIONAL DETAIL														
CELL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CELL,PHOTOELECTRIC	TYPE	RATING	RANGE	ADDITIONAL DETAIL													
CELLOTAPE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CEMENT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL														
CENTRIFUGE,MISC	TYPE	SPEED	PHASE	FREQUENCY	VOLTAGE	SIZE	CAPACITY	ADDITIONAL DETAIL									
CENTRALIZER,MISC	TYPE	OUTSIDE DIAMETER	SIZE	ADDITIONAL DETAIL													
CERTIFICATE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHAIR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHAMOIS,MISC	SIZE	ADDITIONAL DETAIL															
CHANGER,LAMP	TYPE	MATERIAL	ADDITIONAL DETAIL														
CHANGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHAPS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHARGER,BATTERY	TYPE	POWER SOURCE	AMPERAGE	VOLTAGE	ADDITIONAL DETAIL												
CHARGER,MISC	TYPE	RATING	ADDITIONAL DETAIL														
CHASSIS,MISC	TYPE	MOUNT	SIZE	ADDITIONAL DETAIL													
CHECK,MISC	TYPE	ADDITIONAL DETAIL															
CHECKER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHEMICAL, MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
CHEMICAL, LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL														
CHEST,COOLER/WARMER	SIZE	CAPACITY	ELECTRICAL RATING	ADDITIONAL DETAIL													
CHEST,ICE	SIZE	CAPACITY	ADDITIONAL DETAIL														
CHEST,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHEST,TOOL	DRAWERS	SIZE	ADDITIONAL DETAIL														
CHIME,MISC	TYPE	COLOR	ELECTRICAL RATING	SIZE	ADDITIONAL DETAIL												
CHIMNEY,MISC	TYPE	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL												
CHISEL,MISC	TYPE	MATERIAL	SHANK	BLADE WIDTH	LENGTH	ADDITIONAL DETAIL											
CHISEL,POWER	TYPE	MATERIAL	SHANK	BLADE SIZE	ADDITIONAL DETAIL												
CHISEL,WOOD	TYPE	MATERIAL	HANDLE	BLADE WIDTH	LENGTH	ADDITIONAL DETAIL											
CHISEL SET,MISC	TYPE	MATERIAL	SHAPE	WIDTH	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL									
CHISELPOINT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHALK,MISC	TYPE	COLOR	SIZE	ADDITIONAL DETAIL													
CHLORINATOR,MISC	FLOW RATE	PRESSURE RATING	CAPACITY	ADDITIONAL DETAIL													
CHAMBER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHAIN,DRIVE	TYPE	MATERIAL	PITCH	LENGTH	CHAIN NUMBER	ADDITIONAL DETAIL											
CHAIN,LOAD RATED	TYPE	MATERIAL	LOAD RATING	TRADE SIZE	LENGTH	ADDITIONAL DETAIL											
CHAIN,MISC	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL												
CHAIN,TIRE	STYLE	TIRE SIZE	ADDITIONAL DETAIL														
CHANNEL,FRAMING	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
CHANNEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHANNEL,STRUCTURAL	MATERIAL	PROCESS	SPECIFICATION	GRADE	WEIGHT	SIZE	LENGTH	ADDITIONAL DETAIL									
CHOCK,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL														
CHOKE,DRILLING	TYPE	SERVICE	CONSOLE	ORIFICE SIZE	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL										
CHOKE,MISC	TYPE	OPERATION	ADDITIONAL DETAIL														
CHOKE,WELLHEAD	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	SERVICE	RATING	ORIFICE SIZE	SIZE/CONNECTION	ADDITIONAL DETAIL								
CHOLOFORM,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL													
CHOPPER,MISC	TYPE	MATERIAL	CAPACITY	ADDITIONAL DETAIL													
CHARGE,MISC	TYPE	MATERIAL	CONTAINER	ADDITIONAL DETAIL													
CHROMATOGRAPH,MISC	TYPE	ADDITIONAL DETAIL															
CHRONOMETER,MISC	DIAL	SIZE	ADDITIONAL DETAIL														
CHART,CIRCULAR	TYPE	SERVICE	DURATION	DIAMETER	SCALE	ADDITIONAL DETAIL											
CHART,MISC	TYPE	SERVICE	CHART TRAVEL	SIZE	DURATION	SCALE	ADDITIONAL DETAIL										
CHART,ROLL	TYPE	SERVICE	CHART TRAVEL	DURATION	WIDTH	LENGTH	SCALE	ADDITIONAL DETAIL									
CHUCK,JAWED	TYPE	STYLE	MOUNT	CAPACITY	ADDITIONAL DETAIL												
CHUCK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CHUTE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CIRCLIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CIRCULATOR,MISC	TYPE	ADDITIONAL DETAIL															
CIRCUIT,INTEGRATED	FUNCTION	INDUSTRY STANDARD	PACKAGE	ADDITIONAL DETAIL													
CIRCUIT,MISC	TYPE	FUNCTION	ADDITIONAL DETAIL														
CLAMP BACK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLAPPER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL														
CLAW,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLAY,MISC	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL													
CLEANOUT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLEAT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLEVIS,INSULATOR	TYPE	MATERIAL	LOAD RATING	ADDITIONAL DETAIL													
CLEVIS,MISC	TYPE	MATERIAL	LOAD RATING	SIZE	ADDITIONAL DETAIL												
CLIMBERS,MISC	TYPE	MATERIAL	GAFF LENGTH	LENGTH	ADDITIONAL DETAIL												
CLIP,ELECTRICAL	TYPE	MATERIAL	COLOR	CONDUCTOR SIZE	RATING	SIZE	ADDITIONAL DETAIL										
CLIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLIP,TUBING	MATERIAL	TUBING CAPACITY	ADDITIONAL DETAIL														
CLIP,TRIGONAL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLIPBOARD,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL														
CLAMP,FUSE CLIP	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL														
CLAMP,GROUNDING	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
CLAMP,HOLDING	MATERIAL	LINE CONDUCTOR	TAP CONDUCTOR	ADDITIONAL DETAIL													
CLAMP,HOSE/TUBING	TYPE	MATERIAL	HOSE/TUBING DIAMETER	WIDTH	ADDITIONAL DETAIL												
CLAMP,HOT LINE	MATERIAL	LINE CONDUCTOR	TAP CONDUCTOR	ADDITIONAL DETAIL													
CLAMP,JUMPER	STYLE	MATERIAL	CONDUCTOR	ADDITIONAL DETAIL													
CLAMP,MISC	TYPE	MATERIAL	SIZE/CAPACITY	ADDITIONAL DETAIL													
CLAMP,PARALLEL GROOVE	MATERIAL	LINE CONDUCTOR	TAP CONDUCTOR	ADDITIONAL DETAIL													
CLAMP,PIPE/CONDUIT	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLAMP,PIPE REPAIR	MATERIAL	PRESSURE RATING	PIPE SIZE	ADDITIONAL DETAIL													
CLAMP,POLE SADDLE	MATERIAL	GRIP SIZE	ADDITIONAL DETAIL														
CLAMP,POST INSULATING	MATERIAL	STYLE	CONDUCTOR	ADDITIONAL DETAIL													
CLAMP,STRAIN	CLAMP MATERIAL	CONDUCTOR	CAPACITY	ADDITIONAL DETAIL													
CLAMP,SUSPENSION	CLAMP MATERIAL	CONDUCTOR	CAPACITY	ADDITIONAL DETAIL													
CLAMP,WIRE ROPE	MATERIAL	OUTSIDE DIAMETER	ADDITIONAL DETAIL														
CLEANER,DRAIN, CHEMICAL	FORM	CONTAINER	ADDITIONAL DETAIL														
CLEANER,DRAIN, MANUAL	TYPE	SIZE	ADDITIONAL DETAIL														
CLEANER,DRAIN, POWERED	TYPE	VOLTAGE	DRAIN SIZE	LENGTH	ADDITIONAL DETAIL												
CLEANER,FLOOR	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
CLEANER,GLASS	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
CLEANER,HAND	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
CLEANER,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
CLEANER,TIP	TYPE	SIZE	ADDITIONAL DETAIL														
CLOCK,MISC	TYPE	READOUT	POWER SOURCE	COLOR	SIZE	ADDITIONAL DETAIL											
CLOSER,DOOR	TYPE	MATERIAL	STYLE	ADDITIONAL DETAIL													
CLOSER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLOSURE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLOTH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CLASSIFIER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													

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CLUSTER,MISC	TYPE	ADDITIONAL DETAIL															
CLUTCH,MISC	TYPE	INSIDE DIAMETER	OUTSIDE DIAMETER	ADDITIONAL DETAIL													
CONDUIT,MISC	TYPE	MATERIAL	CONNECTION	SIZE	RATING	LENGTH	ADDITIONAL DETAIL										
COUNTER,ELECTRICAL	TYPE	READOUT	VOLTAGE	AMPERAGE	RANGE	ADDITIONAL DETAIL											
COUNTER,MISC	TYPE	READOUT	RANGE	ADDITIONAL DETAIL													
COUNTERBORE,MISC	MATERIAL	FLUTES	HOLE DIAMETER	PILOT DIAMETER	SHANK DIAMETER	LENGTH	ADDITIONAL DETAIL										
CONTROL,MISC	TYPE	COLOR	RATING	ADDITIONAL DETAIL													
CONTROL,PHOTOELECTRIC	CONFIGURATION	ELECTRICAL RATING	RANGE	ADDITIONAL DETAIL													
COUNTERSINK,MISC	TYPE	MATERIAL	FLUTES	ANGLE	BODY DIAMETER	SHANK DIAMETER	LENGTH	ADDITIONAL DETAIL									
COUNTERSINK SET,MISC	TYPE	MATERIAL	FLUTES	ANGLE	BODY DIAMETER	SHANK DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL							
CONVEYOR,GRAVITY	FRAME MATERIAL	STYLE	WIDTH	SECTION LENGTH	ADDITIONAL DETAIL												
CONVEYOR,MISC	TYPE	FRAME MATERIAL	WIDTH	SECTION LENGTH	ADDITIONAL DETAIL												
CONVEYOR,SCREW	FLIGHT MATERIAL	PITCH	FLIGHT DIAMETER	FLIGHT THICKNESS	LENGTH	ADDITIONAL DETAIL											
COASTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COAT,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL												
COATING,INSULATION	TYPE	CONTAINER	ADDITIONAL DETAIL														
COATING,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL														
COCK,MISC	TYPE	MATERIAL	PRESSURE RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
COIL,DUAL HEAT TRANSFER	INNER TUBE MATERIAL	OUTER TUBE MATERIAL	INNER COIL	CONNECTION	ADDITIONAL DETAIL												
COIL,ELECTRICAL	FUNCTION	ELECTRICAL RATING	ADDITIONAL DETAIL														
COIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COLD PACK,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
COLLAR,DRILL	SIZE/CONNECTION	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL												
COLLAR,FLOAT	GRADE	THREADS	SIZE	CONNECTION	WEIGHT	ADDITIONAL DETAIL											
COLLAR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COLLARS,FLOAT	GRADE	THREADS	SIZE	CONNECTION	WEIGHT	ADDITIONAL DETAIL											
COLLARS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COLLATOR,MISC	TYPE	BIN	SHEET	ADDITIONAL DETAIL													
COLLECTOR,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
COLLET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COLLET,WELDING	TYPE	SIZE	ADDITIONAL DETAIL														
COLLIMATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COLORIMETER,MISC	TYPE	READOUT	POWER	ADDITIONAL DETAIL													
COLUMN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COLUMN,PROCESS	TYPE	MATERIAL	INSIDE DIAMETER	HEIGHT	WORKING TEMPERATURE	CAPACITY	ADDITIONAL DETAIL										
COLUMN,PUMP	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL												
COMB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COMMISSION,MISC	TYPE	ADDITIONAL DETAIL															
COMMUTATOR,MISC	TYPE	SEGMENT	ADDITIONAL DETAIL														
COMPACTOR,MISC	TYPE	POWER SOURCE	ADDITIONAL DETAIL														
COMPASS,DRAWING	TYPE	MATERIAL	RADIUS	ADDITIONAL DETAIL													
COMPASS,MISC	TYPE	MATERIAL	SIZE	RANGE	ADDITIONAL DETAIL												
COMPOUND,CAULKING	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL													
COMPOUND,GRINDING	TYPE	GRIT	CONTAINER	ADDITIONAL DETAIL													
COMPOUND,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL														
COMPOUND,POLISHING	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL													
COMPOUND,SEALING	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL													
COMPRESSOR,AIR	TYPE	CAPACITY	ELECTRICAL RATING	DISCHARGE PRESSURE	ADDITIONAL DETAIL												
COMPRESSOR,MISC	TYPE	SIZE	RANGE	ADDITIONAL DETAIL													
COMPRESSOR,REFRIGERATION	TYPE	CAPACITY	ADDITIONAL DETAIL														
COMPRESSOR,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL													
COMPRESSOR UMUM,MISC	TYPE	POWER	CAPACITY	ADDITIONAL DETAIL													
COMPENSATOR,MISC	TYPE	RANGE	ADDITIONAL DETAIL														
COMPARATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COMPUTER,MEMORY	TYPE	CAPACITY	ADDITIONAL DETAIL														
COMPUTER,MISC	TYPE	ADDITIONAL DETAIL															
COMPUTER,PERSONAL	STYLE	PROCESSOR	SPEED	MEMORY	DRIVES	NETWORK CONNECTION	ADDITIONAL DETAIL										
CONCRETE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL														
CONDESATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CONDENSER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CONDITIONER,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL														
CONE,BEARING	TYPE	BORE SHAPE	INSIDE DIAMETER	WIDTH	ADDITIONAL DETAIL												
CONE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CONE,SAFETY	MATERIAL	COLOR	HEIGHT	ADDITIONAL DETAIL													
CONNECTOR,CABLE/CONDUIT	TYPE	MATERIAL	DEGREE	SIZE	CONNECTION	ADDITIONAL DETAIL											
CONNECTOR,COMMUNICATIONS	TYPE	COLOR	POSITION	CONDUCTOR	ADDITIONAL DETAIL												
CONNECTOR,ELECTRICAL	TYPE	CONNECTOR MATERIAL	CONDUCTOR	ADDITIONAL DETAIL													
CONNECTOR,ELECTRICAL, DISCONNECT	TYPE	MATERIAL	INSULATION	COLOR	CONDUCTOR	SIZE	CONNECTION	ADDITIONAL DETAIL									
CONNECTOR,ELECTRICAL, POST	MATERIAL	POST SIZE	CONDUCTOR SIZE	ADDITIONAL DETAIL													
CONNECTOR,ELECTRICAL, SPLIT BOLT	CONDUCTOR MATERIAL	CONNECTOR MATERIAL	CONDUCTOR SIZE	ADDITIONAL DETAIL													
CONNECTOR,ELECTRICAL, STUD	TYPE	MATERIAL	CONDUCTOR END	CONDUCTOR CONNECTION	STUD DIAMETER	DEGREE	ADDITIONAL DETAIL										
CONNECTOR,ELECTRICAL, TEE	TYPE	MATERIAL	TAP CONNECTION	RUN CONNECTION	TAP CONDUCTOR	RUN CONDUCTOR	ADDITIONAL DETAIL										
CONNECTOR,ELECTRICAL, TERMINAL	TYPE	CONNECTOR MATERIAL	TERMINATION END	INSULATION	COLOR	CONDUCTOR MATERIAL	CONDUCTOR CONNECTION	CONDUCTOR	ADDITIONAL DETAIL								
CONNECTOR,ELECTRICAL, WIRE NUT	TYPE	CONNECTOR MATERIAL	COLOR	MINIMUM CONDUCTOR	MAXIMUM CONDUCTOR	ADDITIONAL DETAIL											
CONNECTOR,FIBER OPTIC	TYPE	MATERIAL	MODE	COLOR	FIBER SIZE	ADDITIONAL DETAIL											
CONNECTOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CONSOLE,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
CONTACT,MISC	TYPE	MATERIAL	AMPERAGE	VOLTAGE	NEMA/IEC	ADDITIONAL DETAIL											
CONTACT,MOVABLE	TYPE	MATERIAL	AMPERAGE	VOLTAGE	NEMA/IEC	ADDITIONAL DETAIL											
CONTACT,STATIONARY	TYPE	MATERIAL	AMPERAGE	VOLTAGE	NEMA/IEC	ADDITIONAL DETAIL											
CONTACT SET,MISC	TYPE	MATERIAL	AMPERAGE	VOLTAGE	NUMBER OF PIECES	ADDITIONAL DETAIL											
CONTAINER,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL												
CONTACTOR,MISC	TYPE	ENCLOSURE	LINE VOLTAGE	COIL VOLTAGE	AMPERAGE	POLE	ADDITIONAL DETAIL										
CONTACTOR,MOTOR	TYPE	ENCLOSURE	LINE VOLTAGE	COIL VOLTAGE	AMPERAGE	POLE	NEMA/IEC	ADDITIONAL DETAIL									
CONTROLLER,MISC	TYPE	RATING	RANGE	ADDITIONAL DETAIL													
CONTROLLER,PROGRAMMABLE LOGIC	CONFIGURATION	I/O CAPACITY	ADDITIONAL DETAIL														
CONVERTER,MISC	TYPE	ADDITIONAL DETAIL															
CONVERTER,SIGNAL	TYPE	POWER SOURCE	INPUT RANGE	OUTPUT RANGE	ADDITIONAL DETAIL												
COOKING OIL,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL														
COOLANT,ENGINE	TYPE	CONTAINER	ADDITIONAL DETAIL														
COOLANT,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL													
COOLER,MISC	TYPE	MATERIAL	RATING	SIZE	CAPACITY	ADDITIONAL DETAIL											
COOLER,DRINKING WATER	MATERIAL	POWER SOURCE	SIZE	AMPERAGE	CAPACITY	ADDITIONAL DETAIL											
COPIER,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
COPYBOARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CORD,COMMUNICATION	TYPE	CONDUCTOR	JACKET MATERIAL	JACKET COLOR	INSULATION	CONNECTORS	LENGTH	ADDITIONAL DETAIL									
CORD,EXTENSION	CONDUCTOR	RECEPTACLES	VOLTAGE	AMPERAGE	CONNECTION	LENGTH	ADDITIONAL DETAIL										
CORD,MISC	TYPE	MATERIAL	TERMINATIONS	SIZE	ADDITIONAL DETAIL												
CORD,PATCH	TYPE	MATERIAL	CONDUCTOR	JACKET COLOR	CONNECTION	LENGTH	ADDITIONAL DETAIL										
CORE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CORE,RADIATOR	SIZE	MATERIAL	ADDITIONAL DETAIL														
COT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COTTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COTTON BUD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COULOMETRIC,MISC	TYPE	ADDITIONAL DETAIL															
COUPLING,BOTTOM HOLE PUMP	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL												
COUPLING,CONDUIT	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL												
COUPLING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
COUPLING,OCTG	TYPE	MATERIAL	SPECIFICATION	GRADE	STRUCTURE	SIZE/CONNECTION	WEIGHT	ADDITIONAL DETAIL									
COUPLING,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL										
COUPLING,PIPE, HALF	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL										
COUPLING,ROD	TYPE	MATERIAL	GRADE	STYLE	SIZE	LENGTH	ADDITIONAL DETAIL										
COUPLING,SHAFT	TYPE	MATERIAL	BORE	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL											
COUPLING,SHAFT, HALF	TYPE	MATERIAL	BORE	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL											
COUPLER,HOSE	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL												
COUPLER,MISC	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL												
COUPLER,TUBE	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL												
CRAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL														
CRADLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CRANE,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL														
CRANK,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL														
CRAYON,MISC	TYPE	COLOR	SIZE	ADDITIONAL DETAIL													
CRAYON,TEMPERATURE INDICATING	COLOR	MELTING TEMPERATURE	ADDITIONAL DETAIL														
CRUDE OIL,MISC	TYPE	FLASH POINT	VISCOSITY RATING	CONTAINER	ADDITIONAL DETAIL												
CREDENZA,MISC	MATERIAL	FINISH	SIZE	ADDITIONAL DETAIL													
CREEPER,HEADREST	TYPE	MATERIAL	CASTERS	SIZE	ADDITIONAL DETAIL												
CREEPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CREEPER,SEAT	MATERIAL	SEAT	HEIGHT	ADDITIONAL DETAIL													
CRIBBING,MISC	TYPE	SIZE	ADDITIONAL DETAIL														
CRIMPER/STRIPPER,MISC	MATERIAL	RANGE	ADDITIONAL DETAIL														
CRIMPER,MISC	TYPE	SIZE	RANGE	ADDITIONAL DETAIL													
CRANKSHAFT,MISC	TYPE	ADDITIONAL DETAIL															
CROSS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													
CROSS,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL										
CROSS,TRAY	TYPE	MATERIAL	RADIUS	WIDTH	DEPTH	ADDITIONAL DETAIL											
CROSS,TUBE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
CARTRIDGE,FIRE EXTINGUISHER	TYPE	CAPACITY	ADDITIONAL DETAIL														
CARTRIDGE,FONT	TYPE	CHARACTER STYLE	ADDITIONAL DETAIL														
CARTRIDGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL													

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CARTRIDGE,RESPIRATOR	TYPE	ADDITIONAL DETAIL																
CRUCIBLE,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
CRUSHER,MISC	TYPE	ADDITIONAL DETAIL																
CRUTCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CRYSTAL,MISC	SIZE	FREQUENCY	ADDITIONAL DETAIL															
CASING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CASING,OCTG	STANDARD SPEC	MINIMUM PRODUCT SPECIFICAT	MANUFACTURING PROCESS	SIZE	GRADE	WEIGHT	END CONNECTION	THREAD TYPE	RANGE	ADDITIONAL DETAIL								
CASING,PUMP	TYPE	MATERIAL	PUMP SIZE	ADDITIONAL DETAIL														
CASINGS,ASSY	TYPE	MATERIAL	ADDITIONAL DETAIL															
CASINGS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CASINGS,OCTG	STANDARD SPEC	MINIMUM PRODUCT SPECIFICAT	MANUFACTURING PROCESS	SIZE	GRADE	WEIGHT	END CONNECTION	THREAD TYPE	RANGE	ADDITIONAL DETAIL								
CASINGS,PUMP	TYPE	MATERIAL	PUMP SIZE	ADDITIONAL DETAIL														
CENTER,MISC	TYPE	TAPER	THRUST	WORK WEIGHT	ADDITIONAL DETAIL													
CLIBE,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
CLILTIVATOR,MISC	TYPE	SIZE	NUMBER OF TINES	ADDITIONAL DETAIL														
CLILVERT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CUP,BOTTOM HOLE PUMP	TYPE	MATERIAL	FIT	SIZE	ADDITIONAL DETAIL													
CUP,BEARING	TYPE	OUTSIDE DIAMETER	WIDTH	ADDITIONAL DETAIL														
CUP,MEASURING	MATERIAL	GRADUATIONS	HEIGHT	CAPACITY	ADDITIONAL DETAIL													
CUP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CUP,SWAB	MATERIAL	CORE MATERIAL	DRIFT	TUBING SIZE	SIZE	WEIGHT	ADDITIONAL DETAIL											
CUPBOARD,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
CURB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CURTAIN,LIGHT	BEAM SPACING	PROTECTIVE HEIGHT	POWER SUPPLY	RANGE	ADDITIONAL DETAIL													
CURTAIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CUSHION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CUTOUT,FUSE	TYPE	AMPERAGE	KV RATING	INTERRUPT CAPACITY	ADDITIONAL DETAIL													
CUTOUT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CUTOUT,THERMAL	TYPE	VOLTAGE	AMPERAGE	RANGE	ADDITIONAL DETAIL													
CUTTER,BLADE	TYPE	MATERIAL	ADDITIONAL DETAIL															
CUTTER,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
CUTTER,WIRE	TYPE	LENGTH	CAPACITY	ADDITIONAL DETAIL														
CUVETTE,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
COVER,CONDUIT, CAST DEVICE BOX	TYPE	MATERIAL	GANG	ADDITIONAL DETAIL														
COVER,CONDUIT OUTLET BODY	TYPE	MATERIAL	SIZE	BODY FORM	ADDITIONAL DETAIL													
COVER,CONDUIT OUTLET BOX	MODIFIER	TYPE	MATERIAL	DIAMETER	ADDITIONAL DETAIL													
COVER,ELECTRICAL BOX	TYPE	MATERIAL	GANG	SIZE	ADDITIONAL DETAIL													
COVER,MISC2	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
COVERALL,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
CYCLE,2 -WHEELED	TYPE	GEARING	WHEEL DIAMETER	ADDITIONAL DETAIL														
CYCLE,3 -WHEELED	TYPE	GEARING	WHEEL DIAMETER	ADDITIONAL DETAIL														
CYCLE,MISC	TYPE	GEARING	WHEEL DIAMETER	ADDITIONAL DETAIL														
CYLINDER,GRADUATED	MATERIAL	GRADUATIONS	SIZE	ADDITIONAL DETAIL														
CYLINDER,LINEAR ACTUATING	TYPE	BORE	STROKE	MOUNT	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL											
CYLINDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
CYLINDER,SAMPLE	MATERIAL	CONFIGURATION	INTERNAL VOLUME	PRESSURE RATING	TEMPERATURE RATING	SIZE/CONNECTION	ADDITIONAL DETAIL											
DAMPENER,MISC	TYPE	MATERIAL	SIZE/CONNECTION	CAPACITY	ADDITIONAL DETAIL													
DAMPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DAMPER,VIBRATION	CONDUCTOR	ADDITIONAL DETAIL																
DART,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DASHPOT,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
DEADEND,MISC	TYPE	MATERIAL	CONDUCTOR	ADDITIONAL DETAIL														
DECAL,MISC	MATERIAL	LAYOUT	DESIGNATION	SIZE	ADDITIONAL DETAIL													
DECANT OIL,MISC	TYPE	RATING	CONTAINER	ADDITIONAL DETAIL														
DECK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DECODER,MISC	TYPE	ADDITIONAL DETAIL																
DEFLECTOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DEHUMIDIFIER,MISC	TYPE	VOLTAGE	AMPERAGE	WATTAGE	CAPACITY	ADDITIONAL DETAIL												
DEHYDRATOR,MISC	TYPE	RATING	ADDITIONAL DETAIL															
DEMAGNETIZER,MISC	TYPE	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL														
DEMISTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DEMODULATOR,MISC	TYPE	POWER	ADDITIONAL DETAIL															
DEMULTIPLEXER,MISC	TYPE	POWER	ADDITIONAL DETAIL															
DENTAL ARTICLE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DENTAL INSTRUMENT,HAND-HELD	TYPE	STYLE	COLOR	SIZE	ADDITIONAL DETAIL													
DENTAL INSTRUMENT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DENTAL INSTRUMENT,TOOL ATTACHMENT	TYPE	MATERIAL	STYLE	SIZE	CONNECTION	ADDITIONAL DETAIL												
DEODORANT,MISC	TYPE	FRAGRANCE	FORM	CONTAINER	ADDITIONAL DETAIL													
DEPRESSOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DEPRESSOR,TONGUE	TYPE	MATERIAL	LENGTH	ADDITIONAL DETAIL														
DESICCANT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
DESK,MISC	MATERIAL	FINISH	SIZE	ADDITIONAL DETAIL														
DETECTOR,FIRE PROTECTION	TYPE	VOLTAGE	AMPERAGE	TEMPERATURE RATING	ADDITIONAL DETAIL													
DETECTOR,LEAK	TYPE	CONTAINER	ADDITIONAL DETAIL															
DETECTOR,LEAK, INSTRUMENT	TYPE	RANGE	ADDITIONAL DETAIL															
DETECTOR,MISC	TYPE	RATING	ADDITIONAL DETAIL															
DETECTOR,RESISTANCE TEMPERATURE	ELEMENT MATERIAL	RESISTANCE	WIRE	TUBE MATERIAL	TUBE DIAMETER	TUBE LENGTH	TEMPERATURE RATING	ADDITIONAL DETAIL										
DEVELOPER,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
DEVICE,MISC	TYPE	ADDITIONAL DETAIL																
DEVIDER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DIAL,MISC	TYPE	MATERIAL	SIZE	SCALE	ADDITIONAL DETAIL													
DIAL,TELEPHONE	TYPE	SIZE	ADDITIONAL DETAIL															
DIALER,MISC	TYPE	DIAL	ADDITIONAL DETAIL															
DIAPER,MISC	TYPE	STYLE	SIZE	ADDITIONAL DETAIL														
DIAPHRAGM,ACTUATOR	MATERIAL	RATING	SIZE	ACTUATOR SIZE	ADDITIONAL DETAIL													
DIAPHRAGM,MISC	TYPE	MATERIAL	RATING	SIZE	ADDITIONAL DETAIL													
DIAPHRAGM,REGULATOR	MATERIAL	RATING	SIZE	REGULATOR SIZE	ADDITIONAL DETAIL													
DIAPHRAGM,VALVE	MATERIAL	RATING	SIZE	VALVE SIZE	ADDITIONAL DETAIL													
DIE,COMPRESSION	TOOL TYPE	SIZE	ADDITIONAL DETAIL															
DIE,KNOCKOUT	HOLE SIZE	CAPACITY	ADDITIONAL DETAIL															
DIE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DIE,THREADING	TYPE	MATERIAL	CONFIGURATION	THREADS	SIZE	ADDITIONAL DETAIL												
DIE SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
DIE SET,THREADING	TYPE	MATERIAL	CONFIGURATION	SMALLEST THREADS	LARGEST THREADS	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
DIE STOCK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DIFFERENTIAL,AUTOMOTIVE	GEAR RATIO	ADDITIONAL DETAIL																
DIFFERENTIAL,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DIFFERENTIATOR,MISC	TYPE	INPUT RANGE	OUTPUT RANGE	ADDITIONAL DETAIL														
DIFFUSER,AIR	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DIFFUSER,LIGHT	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
DIFFUSER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DIGGER,MISC	TYPE	SIZE	LENGTH	ADDITIONAL DETAIL														
DIODE,LIGHT EMITTING	SHAPE	COLOR	INDUSTRY STANDARD	ADDITIONAL DETAIL														
DIODE,MISC	TYPE	WATTAGE	VOLTAGE	AMPERAGE	TOLERANCE	INDUSTRY STANDARD	ADDITIONAL DETAIL											
DIPSTICK,MISC	TYPE	LENGTH	ADDITIONAL DETAIL															
DISC,BRAKE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DISC,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DISC,PUMP	TYPE	MATERIAL	SIZE	PUMP SIZE	ADDITIONAL DETAIL													
DISC,RUPTURE	MATERIAL	DIAMETER	BURST PRESSURE	ADDITIONAL DETAIL														
DISC,VALVE	VALVE STYLE	MATERIAL	SIZE	PRESSURE RATING	VALVE SIZE	ADDITIONAL DETAIL												
DISCHARGE,MISC	TYPE	ADDITIONAL DETAIL																
DISH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DISK,COMPACT	TYPE	CAPACITY	ADDITIONAL DETAIL															
DISK,FLASH	TYPE	CAPACITY	ADDITIONAL DETAIL															
DISK,HARD	TYPE	CAPACITY	ADDITIONAL DETAIL															
DISK,MAGNETIC	TYPE	SIZE	CAPACITY	ADDITIONAL DETAIL														
DISK,MISC	SIZE	CAPACITY	ADDITIONAL DETAIL															
DISK PACK,MISC	SIZE	CAPACITY	ADDITIONAL DETAIL															
DISPENSER,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
DISPENSER,TAPE	MATERIAL	COLOR	TAPE SIZE	ADDITIONAL DETAIL														
DISPERSANT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DISPLACER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DISPLAY,MISC	TYPE	READOUT	POWER	ADDITIONAL DETAIL														
DISPOSAL,MISC	TYPE	VOLTAGE	AMPERAGE	POWER	ADDITIONAL DETAIL													
DISTANCE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DISTRIBUTOR,MISC	TYPE	ADDITIONAL DETAIL																
DIVERTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DIVIDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DIVIDER,VOLTAGE	TYPE	RESISTANCE	WATTAGE	ADDITIONAL DETAIL														
DOG,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DOLLY,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
DOME,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DONUT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DOOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DOSIMETER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
DOWEL,MISC	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
DRIVE,AC MOTOR	ENCLOSURE	POWER	OUTPUT AMPERAGE	INPUT RATING	OUTPUT RATING	ADDITIONAL DETAIL												
DRIVE,DC MOTOR	TYPE	ENCLOSURE	POWER	INPUT VOLTAGE	INPUT AMPERAGE	ARMATURE VOLTAGE	ARMATURE AMPERAGE	FIELD VOLTAGE	FIELD AMPERAGE	ADDITIONAL DETAIL								
DRIVE,DISK	TYPE	COMPATIBILITY	DISK SIZE	CAPACITY	ADDITIONAL DETAIL													

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

DRIVE,MISC	TYPE	RATING	SIZE	ADDITIONAL DETAIL														
DRIVE,OPTICAL	TYPE	COMPATIBILITY	DATA TRANSFER RATE	ACCESS TIME	ADDITIONAL DETAIL													
DRIVE,VARIABLE SPEED	POWER	INPUT RPM	OUTPUT RPM	ELECTRICAL RATING	RATIO	ADDITIONAL DETAIL												
DRAIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DRAWER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DRESSER,MISC	TYPE	DRESSING MATERIAL	ADDITIONAL DETAIL															
DRESSING,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
DRIFT,MISC	TYPE	MATERIAL	LENGTH	MORSE TAPER CAPACITY	ADDITIONAL DETAIL													
DRILL SET,MASONRY	TYPE	MATERIAL	SHANK	DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
DRILL SET,MISC	TYPE	MATERIAL	HOLE DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
DRILL SET,TWIST	MATERIAL	SHANK	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
DRIVER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DRIVER,NUT	SHAFT	HANDLE	SIZE	LENGTH	ADDITIONAL DETAIL													
DRIVER SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
DRIVER SET,NUT	SHAFT	HANDLE	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
DRIVING,MISC	TYPE	ADDITIONAL DETAIL																
DRILL,HAND	TYPE	LENGTH	CHUCK CAPACITY	ADDITIONAL DETAIL														
DRILL,MASONRY	TYPE	MATERIAL	SHANK	FLUTES	DRILLING DEPTH	DIAMETER	LENGTH	ADDITIONAL DETAIL										
DRILL,MISC	TYPE	MATERIAL	HOLE DIAMETER	LENGTH	ADDITIONAL DETAIL													
DRILL,POWER	TYPE	SPEED	RATING	DRIVE SIZE	ADDITIONAL DETAIL													
DRILL,TWIST	TYPE	MATERIAL	SHANK	FLUTES	FLUTE LENGTH	SIZE	LENGTH	ADDITIONAL DETAIL										
DROP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DROPPER,MISC	TYPE	MATERIAL	LENGTH	CAPACITY	ADDITIONAL DETAIL													
DRUM,BRAKE	TYPE	SIZE	ADDITIONAL DETAIL															
DRUM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DRUM,SANDING	SHANK	DIAMETER	FACE WIDTH	ADDITIONAL DETAIL														
DRUM,STORAGE	TYPE	MATERIAL	STYLE	CAPACITY	ADDITIONAL DETAIL													
DRUM,KIT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DRUM,UNIT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DRYER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
DISCRIMINATOR,MISC	TYPE	RATING	ADDITIONAL DETAIL															
DUCT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DUS,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DUST CLOTH,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
DUSTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
DYE,MISC	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL														
DYNAMOMETER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
EARPHONE,MISC	TYPE	WATTAGE	IMPEDANCE	ADDITIONAL DETAIL														
ECCENTRIC,MISC	TYPE	ADDITIONAL DETAIL																
EDGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
EDGER,MISC	TYPE	MATERIAL	POWER SOURCE	SIZE	ADDITIONAL DETAIL													
EDGING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
EDUCTOR,MISC	MATERIAL	PROCESS FLUID	SIZE	CONNECTION	ADDITIONAL DETAIL													
EJECTOR,MISC	MATERIAL	PROCESS FLUID	SIZE	ADDITIONAL DETAIL														
ELECTRODE,WELDING	WELDING PROCESS	CLASIFICATION	SIZE	LENGTH	ADDITIONAL DETAIL													
ELECTRODE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ELIMINATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ELBOW,CONDUIT	TYPE	MATERIAL	RADIUS	SIZE	CONNECTION	DEGREE	ADDITIONAL DETAIL											
ELBOW,MISC	TYPE	MATERIAL	RADIUS	SIZE	CONNECTION	DEGREE	ADDITIONAL DETAIL											
ELBOW,PIPE	DEGREE	RADIUS	MATERIAL	SPECIFICATION	GRADE	STRUCTURE	CONNECTION	RATING	SIZE	COATING	LINING	STANDARD OF DESIG	STANDARD OF W	ADDITIONAL DETAIL				
ELBOW,PIPE ADAPTER	MATERIAL	SPECIFICATION	GRADE	RADIUS	RATING	SIZE	CONNECTION A	CONNECTION B	DEGREE	ADDITIONAL DETAIL								
ELBOW,PIPE ADAPTER, REDUCING	MATERIAL	SPECIFICATION	GRADE	RADIUS	RATING	SIZE	CONNECTION A	CONNECTION B	DEGREE	ADDITIONAL DETAIL								
ELBOW,PIPE REDUCING	MATERIAL	SPECIFICATION	GRADE	RADIUS	RATING	SIZE	CONNECTION	DEGREE	ADDITIONAL DETAIL									
ELBOW,TRAY	TYPE	MATERIAL	RADIUS	SIZE	DEGREE	ADDITIONAL DETAIL												
ELBOW,TUBE	MATERIAL	SIZE	CONNECTION	DEGREE	ADDITIONAL DETAIL													
ELBOW,TUBE ADAPTER	MATERIAL	SIZE	CONNECTION A	CONNECTION B	DEGREE	ADDITIONAL DETAIL												
ELBOW,TUBE ADAPTER, REDUCING	MATERIAL	SIZE	CONNECTION A	CONNECTION B	DEGREE	ADDITIONAL DETAIL												
ELBOW,TUBE, BULKHEAD	MATERIAL	SIZE	CONNECTION	DEGREE	ADDITIONAL DETAIL													
ELBOW,TUBE REDUCING	MATERIAL	SIZE	CONNECTION	DEGREE	ADDITIONAL DETAIL													
ELEMENT,FILTER	TYPE	MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL													
ELEMENT,HEATER	MATERIAL	WATTAGE	VOLTAGE	AMPERAGE	SIZE	ADDITIONAL DETAIL												
ELEMENT,HEATER OVERLOAD	TYPE	CODE	ADDITIONAL DETAIL															
ELEMENT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ENCLOSURE,MISC	TYPE	MATERIAL	NEMA RATING	SIZE	ADDITIONAL DETAIL													
ENCODER,MISC	TYPE	ADDITIONAL DETAIL																
END,CONDUIT	TYPE	MATERIAL	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL												
END,CORONA BELL	TYPE	MATERIAL	RATING	NOMINAL SIZE	CONNECTION	ADDITIONAL DETAIL												
END,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
END MILL,MISC	TYPE	MATERIAL	SHANK	FLUTES	ENDS	CUT	CUT LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL								
END MILL SET,MISC	TYPE	MATERIAL	SHANK	FLUTES	ENDS	CUT	CUT LENGTH	DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL						
ENGINE,MISC	TYPE	CYLINDER	DISPLACEMENT	ADDITIONAL DETAIL														
ENVELOPE,MISC	TYPE	MATERIAL	DESIGNATION	COLOR	CLOSURE	SIZE	ADDITIONAL DETAIL											
EQUALIZER,MISC	TYPE	ADDITIONAL DETAIL																
ERASER,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
ESCUTCHEON,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ETCHER,MISC	TYPE	RATING	ADDITIONAL DETAIL															
ETHANOL,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
EVAPORATOR,MISC	TYPE	RATING	ADDITIONAL DETAIL															
EXCITER,MISC	TYPE	VOLTAGE	SPEED	OUTPUT RATING	ADDITIONAL DETAIL													
EXERCISER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
EXHAUSTER,MISC	TYPE	DRIVE	RATING	ADDITIONAL DETAIL														
EXPANDER,MISC	TYPE	EXPANSION	ADDITIONAL DETAIL															
EXPANTION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
EXTENSION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
EXTENSION,TOOL	TYPE	MATERIAL	DRIVE SIZE	LENGTH	ADDITIONAL DETAIL													
EXTENSION,TOWER	TYPE	KV RATING	LENGTH	ADDITIONAL DETAIL														
EXTENSION SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
EXTENSION SET,TOOL	TYPE	MATERIAL	DRIVE SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
EXTINGUISHER,MISC	TYPE	USE	RATING	CAPACITY	ADDITIONAL DETAIL													
EXTRACTOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
EXTRACTOR,SCREW	TYPE	ENDS	SCREW SIZE	BIT DIAMETER	LENGTH	ADDITIONAL DETAIL												
EXTRACTOR,SQUARE ROOT	POWER	INPUT RANGE	OUTPUT RANGE	ADDITIONAL DETAIL														
EXTRACTOR,TAP	FLUTES	DIAMETER	ADDITIONAL DETAIL															
EXTRACTOR SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
EXTRACTOR SET,SCREW	TYPE	ENDS	SCREW SIZE	BIT DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
EXTRACTOR SET,TAP	FLUTES	DIAMETER	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL													
EYE,MISC	TYPE	MATERIAL	OPENING DIAMETER	ADDITIONAL DETAIL														
EYE,SOCKET	MATERIAL	OPENING DIAMETER	LOAD RATING	ADDITIONAL DETAIL														
EYELET,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
FACE,MECHANICAL SEAL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FACE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FACE,SIGN	TYPE	LAYOUT	SIZE	DESIGNATION	ADDITIONAL DETAIL													
FACER,MISC	TYPE	MATERIAL	PILOT DIAMETER	SHANK DIAMETER	ADDITIONAL DETAIL													
FACING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FACSIMILE,MISC	TYPE	ADDITIONAL DETAIL																
FAN,MISC	TYPE	ELECTRICAL RATING	SIZE	CAPACITY	ADDITIONAL DETAIL													
FASTENER,BELT	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FASTENER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FAUCET,MISC	TYPE	MATERIAL	INLET CONNECTION	OUTLET	ADDITIONAL DETAIL													
FEEDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FENCE,MISC	TYPE	MATERIAL	HEIGHT	LENGTH	ADDITIONAL DETAIL													
FINDER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
FERRULE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FERRULE SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL													
FERTILIZER,MISC	FORM	COMPOSITION	CONTAINER	USE	ADDITIONAL DETAIL													
FID,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FILAMENT,MISC	TYPE	ADDITIONAL DETAIL																
FILE,CARD	TYPE	MATERIAL	COLOR	CAPACITY	ADDITIONAL DETAIL													
FILE,MISC	TYPE	PATTERN	TOOTH DESIGN	HANDLE	SHAPE	COARSENESS	SIZE	ADDITIONAL DETAIL										
FILE SET,MISC	TYPE	PATTERN	TOOTH DESIGN	HANDLE	SHAPE	COARSENESS	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL								
FILLER,BASE	STYLE	SIZE	ADDITIONAL DETAIL															
FILLER,MISC	TYPE	MATERIAL	CAPACITY	ADDITIONAL DETAIL														
FILM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FILM,PHOTO	TYPE	STYLE	EXPOSURE	SPEED	SIZE	ADDITIONAL DETAIL												
FILM,TRANSPARENCY	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
FIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FINDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FINGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FIRST AID,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
FIXTURE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
FLAG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FLAKES LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
FLAME PROOF,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
FLAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FLAPPER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
FLARE,MISC	TYPE	STYLE	COLOR	DURATION	ADDITIONAL DETAIL													
FLASHER,MISC	CONNECTION	ELECTRICAL RATING	ADDITIONAL DETAIL															
FLASHING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
FLASHLIGHT,MISC	TYPE	CASE	LAMP	CELL	SIZE BATTERY	ADDITIONAL DETAIL												

FLASK,MISC	TYPE	MATERIAL	CAPACITY	ADDITIONAL DETAIL															
FLEXIBLE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
FLEXURE,MISC	TYPE	RATING	ADDITIONAL DETAIL																
FLANGE,ADAPTER	TYPE	INTERNAL BORE	TOP RATING	TOP SIZE/CONNECTION	BOTTOM RATING	BOTTOM SIZE/CONNECTION	ADDITIONAL DETAIL												
FLANGE,COUPLING	TYPE	MATERIAL	BORE	ADDITIONAL DETAIL															
FLANGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FLANGE,PIPE	TYPE	MATERIAL	SPECIFICATION	GRADE	FACE	FINISH	RATING	PIPE SCHEDULE	PIPE SIZE	SIZE	COATING	LINING	BOLT HOLE	STANDARD OF DESIGN AND DIMEN	STANDARD OF MARKING	ADDITIONAL DETAIL			
FLANGE,SPECIAL PURPOSE	TYPE	MATERIAL	SPECIFICATION	GRADE	FACE	FINISH	RATING	PIPE SCHEDULE	PIPE SIZE	LENGTH	STANDARD OF DESIG	STANDARD OF MARK	ADDITIONAL DETAIL						
FLIGHT,CONVEYOR SCREW	MATERIAL	SIZE	ADDITIONAL DETAIL																
FLIGHT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FLINGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FLINT,MISC	STYLE	CONTAINER	ADDITIONAL DETAIL																
FLOAT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FLOW,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
FLOWMETER,MISC	TYPE	MATERIAL	SERVICE	SIZE/CONNECTION	RANGE	ADDITIONAL DETAIL													
FILTER,AIR	TYPE	ELEMENT MATERIAL	HOUSING MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL													
FILTER,ELECTRONIC	TYPE	FREQUENCY	ELECTRICAL RATING	ADDITIONAL DETAIL															
FILTER,FUEL	TYPE	ELEMENT MATERIAL	HOUSING MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL													
FILTER,LIGHT	TYPE	COLOR	ADDITIONAL DETAIL																
FILTER,MISC	TYPE	ELEMENT MATERIAL	HOUSING MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL													
FILTER,OIL	ELEMENT MATERIAL	HOUSING MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL														
FILTER,WATER	TYPE	ELEMENT MATERIAL	HOUSING MATERIAL	FILTERING RETENTION	SIZE	ADDITIONAL DETAIL													
FLUID,CORRECTION	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL															
FLUID,CUTTING	FORM	CONTAINER	ADDITIONAL DETAIL																
FLUID,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL																
FLUX,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL															
FLYWHEEL,MISC	TYPE	ADDITIONAL DETAIL																	
FOAM,MISC	TYPE	MATERIAL	SIZE	CONTAINER	ADDITIONAL DETAIL														
FOIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FOLDER,EXPANDING	TYPE	MATERIAL	EXPANSION	CLOSURE	COLOR	SIZE	ADDITIONAL DETAIL												
FOLDER,HANGING	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
FOLDER,MISC	TYPE	MATERIAL	TAB CUT	TAB POSITION	COLOR	SIZE	ADDITIONAL DETAIL												
FOLLOWER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FOODSTUFF,CONDIMENT	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL															
FOODSTUFF,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL																
FOOT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FORCEPS,MISC	TYPE	MATERIAL	POINT	LENGTH	ADDITIONAL DETAIL														
FORK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FORK,PITCH	TYPE	MATERIAL	HANDLE	TINES	SIZE	ADDITIONAL DETAIL													
FORM,MISC	TYPE	STYLE	SIZE	NUMBER	ADDITIONAL DETAIL														
FREEZER,MISC	TYPE	CAPACITY	ELECTRICAL RATING	ADDITIONAL DETAIL															
FRAME,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FRAME,TAKE-UP BEARING	STYLE	ROLLING ELEMENT	SIZE	SCREW DIAMETER	TRAVEL LENGTH	ADDITIONAL DETAIL													
FITTING,CONDUIT SEAL	MATERIAL	POSITION	HUB SIZE	CONNECTION	ADDITIONAL DETAIL														
FITTING,GREASE	TYPE	MATERIAL	ANGLE	SIZE/CONNECTION	LENGTH	ADDITIONAL DETAIL													
FITTING,GREASE, RELIEF	MATERIAL	ANGLE	PRESSURE RATING	SIZE/CONNECTION	LENGTH	ADDITIONAL DETAIL													
FITTING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FUEL,MISC	TYPE	GRADE	CONTAINER	ADDITIONAL DETAIL															
FULCRUM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
FUNGICIDE,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL															
FUNNEL,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL														
FURNACE,MISC	TYPE	BTU PER HOUR	ELECTRICAL RATING	CAPACITY	SIZE	ADDITIONAL DETAIL													
FUSE,MISC	TYPE	CLASS	CARTRIDGE	AMPERAGE	VOLTAGE	SIZE	CONNECTION	INTERRUPTING RATING	ADDITIONAL DETAIL										
FUSER UNIT,MISC	TYPE	ADDITIONAL DETAIL																	
GABION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GAFF,MISC	TYPE	MATERIAL	LENGTH	ADDITIONAL DETAIL															
GAG,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
GAIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GALVANOMETER,MISC	TYPE	RATING	ADDITIONAL DETAIL																
GAS,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL															
GATE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GATE,VALVE	TYPE	MATERIAL	VALVE SIZE	ADDITIONAL DETAIL															
GAUGE,FEELER	TYPE	MATERIAL	THICKNESS	SIZE	ADDITIONAL DETAIL														
GAUGE,LEVEL	TYPE	MATERIAL	SECTIONS	PRESSURE RATING	SIZE/CONNECTION	VISIBLE LENGTH	LENGTH	ADDITIONAL DETAIL											
GAUGE,MISC	TYPE	MATERIAL	RANGE	ADDITIONAL DETAIL															
GAUGE,PRESSURE	TYPE	CASE MATERIAL	TUBE MATERIAL	CONNECTION MATERIAL	MOUNT	FILLED	DIAL SIZE	SIZE/CONNECTION	CONNECTION LOCAT	RANGE	ADDITIONAL DETAIL								
GAUGE SET,MISC	TYPE	MATERIAL	RANGE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL													
GAUGE STOCK,MISC	TYPE	THICHNESS	LENGTH	ADDITIONAL DETAIL															
GAVEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GEAR,BEVEL	TYPE	MATERIAL	BORE	TEETH	DIAMETRAL PITCH	PITCH DIAMETER	OUTSIDE DIAMETER	FACE WIDTH	ADDITIONAL DETAIL										
GEAR,HELICAL	MATERIAL	BORE	TEETH	DIAMETRAL PITCH	PITCH DIAMETER	FACE WIDTH	ADDITIONAL DETAIL												
GEAR,MISC	TYPE	MATERIAL	TEETH	PITCH DIAMETER	SIZE	ADDITIONAL DETAIL													
GEAR,SPUR	TYPE	MATERIAL	BORE	TEETH	DIAMETRAL PITCH	PITCH DIAMETER	OUTSIDE DIAMETER	FACE WIDTH	ADDITIONAL DETAIL										
GEAR,WORM	TEETH	MATERIAL	FACE WIDTH	DIAMETRAL PITCH	OUTSIDE DIAMETER	PITCH DIAMETER	BORE	HUB DIAMETER	ADDITIONAL DETAIL										
GEARBOX,MISC	TYPE	MATERIAL	ANGLE	MOUNT	POWER	SPEED	GEAR RATIO	ADDITIONAL DETAIL											
GEARMOTOR,ELECTRIC, AC	TYPE	POWER	INPUT SPEED	OUTPUT TORQUE	OUTPUT SPEED	GEAR RATIO	VOLTAGE	PHASE	FREQUENCY	AMPERAGE	WATTAGE	FRAME	ENCLOSURE	SERVICE FACTOR	SHAFT SIZE	BRAKE	MOUNT	ADDITIONAL DETAIL	
GEARMOTOR,ELECTRIC, DC	TYPE	POWER	INPUT SPEED	OUTPUT TORQUE	OUTPUT SPEED	GEAR RATIO	ARMATURE VOLTAGE	FIELD VOLTAGE	AMPERAGE	WATTAGE	FRAME	ENCLOSURE	SERVICE FACTO	SHAFT SIZE	BRAKE	MOUNT	ADDITIONAL DETAIL		
GEARMOTOR,HYDRAULIC	TYPE	DISPLACEMENT	SHAFT SIZE	INPUT RATING	OUTPUT TORQUE	GEAR RATIO	ADDITIONAL DETAIL												
GEARMOTOR,MISC	TYPE	BRAKE	POWER	SPEED	ADDITIONAL DETAIL														
GENERATOR,ELECTRIC	DRIVER	WATTAGE	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL														
GENERATOR,MISC	TYPE	POWER SOURCE	RATING	ADDITIONAL DETAIL															
GEROTOR,MISC	APPLICATION	ADDITIONAL DETAIL																	
GIB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GIFT,MISC	TYPE	ADDITIONAL DETAIL																	
GIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GLASS,DRINKING	MATERIAL	PATTERN	SHAPE	COLOR	CAPACITY	ADDITIONAL DETAIL													
GLASS,LEVEL GAUGE, FLAT	TYPE	MATERIAL	COLOR	RATING	SIZE	ADDITIONAL DETAIL													
GLASS,LEVEL GAUGE, TUBULAR	TYPE	MATERIAL	COLOR	OUTSIDE DIAMETER	RATING	LENGTH	ADDITIONAL DETAIL												
GLASS,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
GLASS,SIGHT	MATERIAL	COLOR	RATING	SIZE	ADDITIONAL DETAIL														
GLASS_BEADS,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
GLASS_LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
GLASSES,MISC	TYPE	LENS MATERIAL	LENS COLOR	LENS SIZE	ADDITIONAL DETAIL														
GLASSES,SAFETY	TYPE	SIDE SHIELDS	FRAME	LENS	SIZE	ADDITIONAL DETAIL													
GLIDE,LEVELING	BOLT MATERIAL	BASE MATERIAL	BASE DIAMETER	THREADS	BOLT DIAMETER	THREAD LENGTH	ADDITIONAL DETAIL												
GLIDE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GLIDE,STATIONARY	MATERIAL	ATTACHMENT	BASE SIZE	ADDITIONAL DETAIL															
GLAND,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GLAND,PACKING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GLOBE,LIGHTING	TYPE	MATERIAL	COLOR	WATTAGE	ADDITIONAL DETAIL														
GLOBE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GLOVES,CHEMICAL RESISTANT	MATERIAL	CUFF	COLOR	SIZE	LENGTH	ADDITIONAL DETAIL													
GLOVES,CUT RESISTANT	MATERIAL	CUFF	COLOR	SIZE	LENGTH	ADDITIONAL DETAIL													
GLOVES,ELECTRICAL	MATERIAL	CUFF	COLOR	VOLTAGE	SIZE	LENGTH	ADDITIONAL DETAIL												
GLOVES,MISC	TYPE	MATERIAL	CUFF	PALM/BACK	COLOR	SIZE	LENGTH	ADDITIONAL DETAIL											
GLUE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL																
GOGGLES,MISC	TYPE	LENS MATERIAL	LENS COLOR	ADDITIONAL DETAIL															
GOOSENECK,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
GOVERNOR,MISC	TYPE	ADDITIONAL DETAIL																	
GOWN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GRAPPLE,DRILL	TYPE	STYLE	CATCH OUTSIDE DIAMETER	SIZE	MODEL	ADDITIONAL DETAIL													
GRAPPLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GRATING,BAR	MATERIAL	BEARING BAR SPACING	CROSS BAR SPACING	BEARING BAR	SIZE	ADDITIONAL DETAIL													
GRATING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GREASE,INDUSTRIAL	TYPE	COLOR	THICKENER	TEMPERATURE RATING	VISCOSITY RATING	CONTAINER	ADDITIONAL DETAIL												
GREASE,MISC	TYPE	TEMPERATURE RATING	CONTAINER	ADDITIONAL DETAIL															
GREASE,PERTAMINA	TYPE	TEMPERATURE RATING	CONTAINER	ADDITIONAL DETAIL															
GREASE_LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL																
GRID,COUPLING	COUPLING TYPE	MATERIAL	COUPLING SIZE	ADDITIONAL DETAIL															
GRID,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GRILL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GRIP,CABLE	TYPE	MATERIAL	RATING	CABLE SIZE	ADDITIONAL DETAIL														
GRIP,LIFELINE	TYPE	MATERIAL	RATING	SIZE	ADDITIONAL DETAIL														
GRIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GROUND,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GRINDER,AIR	TYPE	INLET CONNECTION	RATING	SPEED	ADDITIONAL DETAIL														
GRINDER,ELECTRIC	TYPE	VOLTAGE	AMPERAGE	WHEEL DIAMETER	SPEED	ADDITIONAL DETAIL													
GRINDER,MISC	TYPE	SPEED	ADDITIONAL DETAIL																
GROMMET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL															
GROMMET SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL														
GROUT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL																
GASKET,CONDUIT OUTLET BODY	MATERIAL	FORM	SIZE	ADDITIONAL DETAIL															
GASKET,DOUBLE JACKET	TYPE	MATERIAL OF JACKET	MATERIAL OF FILLER	PIPE SIZE	PRESSURE RATING	SIZE	THICKNESS	STANDARD OF DIMENSION	ADDITIONAL DETAIL										
GASKET,ENVELOPE	TYPE	FILLER MATERIAL	SHAPE	THICKNESS	PRESSURE RATING	SIZE	ADDITIONAL DETAIL												
GASKET,FLANGE, NON-SPIRAL	TYPE	MATERIAL	SPECIFICATION	PIPE SIZE	THICKNESS	PRESSURE RATING	INSIDE DIAMETER	OUTSIDE DIAMETER	ADDITIONAL DETAIL										
GASKET,FULL FACE	PIPE SIZE	PRESSURE RATING	SIZE	THICKNESS	MATERIAL	SPECIFICATION	NUMBER OF BOLT HOLES	DIAMETER OF BOLT HOLES	DIAMETER OF BOLT	STANDARD OF DIMEN	ADDITIONAL DETAIL								
GASKET,HEAT EXCHANGER	TYPE	MATERIAL	STYLE	RADII	APPLICATION	RIB WIDTH	INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS	ADDITIONAL DETAIL									
GASKET,LEVEL GAUGE	MATERIAL	RATING	SIZE	ADDITIONAL DETAIL															
GASKET,MISC5	TYPE	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL														

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GASKET,RING JOINT	MATERIAL	SPECIFICATION	SHAPE	PRESSURE RATING	PIPE SIZE	API NUMBER	STANDARD OF DIMENSION	ADDITIONAL DETAIL										
GASKET,SHEET	MATERIAL	SPECIFICATION	REINFORCEMENT	TEMPERATURE	PRESSURE	SERVICE	SURFACE FINISHING	THICKNESS	SIZE	ADDITIONAL DETAIL								
GASKET,SPIRAL WOUND	WINDING MATERIAL	FILLER MATERIAL	INNER RING MATERIAL	OUTER RING MATERIAL	STYLE	PIPE SIZE	THICKNESS OF FILLER	THICKNESS OF RING	STANDARD OF DIMEN	PRESSURE RATING	SIZE	ADDITIONAL DETAIL						
GASKET SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL													
GUARD,KELLY	VALVE SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	SIZE/CONNECTION	PRESSURE RATING	LENGTH	ADDITIONAL DETAIL											
GUARD,LINE	MATERIAL	CONDUCTOR SIZE	KV RATING	LENGTH	ADDITIONAL DETAIL													
GUARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
GUIDE,BOTTOM HOLE PUMP	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
GUIDE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
GUIDE,STABBING	TYPE	PIPE SIZE	SIZE/CONNECTION	TOOL JOINT SIZE	ADDITIONAL DETAIL													
GUIDE,VALVE	VALVE STYLE	MATERIAL	VALVE SIZE	ADDITIONAL DETAIL														
GUIDE,WIRELINE ENTRY	TYPE	MATERIAL	SIZE/CONNECTION	ADDITIONAL DETAIL														
GUN,GREASE	TYPE	RATING	CAPACITY	ADDITIONAL DETAIL														
GUN,MISC	TYPE	POWER SOURCE	SIZE	CAPACITY	ADDITIONAL DETAIL													
GUSSET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
GUTTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HAMMER,CRUSHER	SIZE	ADDITIONAL DETAIL																
HAMMER,MISC	TYPE	HEAD MATERIAL	HEAD WEIGHT	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL												
HAMMER,PNEUMATIC	TYPE	STROKE	BLOWS PER MINUTE	BIT CONNECTION	INLET CONNECTION	PRESSURE RATING	ADDITIONAL DETAIL											
HAMMER,ROTARY	DRIVE SIZE	PHASE	VOLTAGE	AMPERAGE	FREQUENCY	SPEED	BLOWS PER MINUTE	ADDITIONAL DETAIL										
HANDHOLE,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
HANDKRCHF,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
HANDSET,MISC	TYPE	COLOR	ADDITIONAL DETAIL															
HANDWHEEL,MISC	TYPE	MATERIAL	DIAMETER	ADDITIONAL DETAIL														
HANGER,CASING	TYPE	STYLE	CASING SIZE	BOWL SIZE	ADDITIONAL DETAIL													
HANGER,FIXTURE	TYPE	MATERIAL	STEM SIZE	SIZE	ADDITIONAL DETAIL													
HANGER,LINER	TYPE	DRIFT	SETTING SIZE	CASING GRADE	CASING WEIGHT	GRADE	RUNNING SIZE/CONNECTION	WEIGHT	ADDITIONAL DETAIL									
HANGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HANGER,PIPE/CONDUIT	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HANGER,TUBING	TYPE	STYLE	BPV PREPARATION	SERVICE	BOWL SIZE	RATING	TOP SIZE/CONNECTION	BOTTOM SIZE/CONNECTION	ADDITIONAL DETAIL									
HARDENER,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
HARNESS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HARNESS,WIRING	TYPE	ADDITIONAL DETAIL																
HASP,MISC	TYPE	MATERIAL	STAPLE	SIZE	ADDITIONAL DETAIL													
HAT,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
HAT,SAFETY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HATCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HATCHET,MISC	TYPE	HANDLE	CUTTING EDGE	LENGTH	ADDITIONAL DETAIL													
HCL ACID,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
HEAD,CASING	SERVICE	BORE	BOTTOM RATING	BOTTOM SIZE/CONNECTION	TOP RATING	TOP SIZE/CONNECTION	NUMBER/TYPE OUTLETS	ADDITIONAL DETAIL										
HEAD,CUTTER	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
HEAD,CYLINDER	TYPE	ADDITIONAL DETAIL																
HEAD,DIE	TYPE	MATERIAL	THREADS	SIZE	ADDITIONAL DETAIL													
HEAD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HEAD,PUMP	TYPE	MATERIAL	PUMP STYLE	PUMP SIZE	ADDITIONAL DETAIL													
HEAD,SERVICE ENTRANCE	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
HEAD,TUBING	SERVICE	BORE	BOTTOM RATING	BOTTOM SIZE	TOP RATING	TOP SIZE	NUMBER/TYPE OUTLETS	ADDITIONAL DETAIL										
HEAD,THERMOCOUPLE	MATERIAL	CONFIGURATION	CONDUIT SIZE	THERMOCOUPLE SIZE/CONNE	ADDITIONAL DETAIL													
HEADER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HEADSET,MISC	TYPE	IMPEDANCE	WATTAGE	ADDITIONAL DETAIL														
HEAT SINK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HELMET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HELMET,SAFETY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HELMET,WELDING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HEMOSTAT,MISC	TYPE	MATERIAL	LENGTH	ADDITIONAL DETAIL														
HERBICIDE,MISC	FORM	COMPOSITION	CONTAINER	USE	ADDITIONAL DETAIL													
HINGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HITCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HITCH,TRAILER	TYPE	MATERIAL	CLASS	RECEIVER SIZE	TRAILER WEIGHT	TONGUE WEIGHT	ADDITIONAL DETAIL											
HOLDER,ELECTRICAL BRUSH	MATERIAL	BRUSH SIZE	ADDITIONAL DETAIL															
HOLDER,FUSE	FUSE STYLE	AMPERAGE	VOLTAGE	FUSE SIZE	MOUNT	ADDITIONAL DETAIL												
HOLDER,LAMP	LAMP TYPE	LAMPHOLDER TYPE	MATERIAL	LAMP BASE	CONTACT	MOUNTING	TERMINAL	OPERATOR	WATTAGE	VOLTAGE	ADDITIONAL DETAIL							
HOLDER,MACHINING TOOL	STYLE	MATERIAL	INSERT MATERIAL	SIZE	ADDITIONAL DETAIL													
HOLDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOLDER,SPRING	MATERIAL	SIZE	ADDITIONAL DETAIL															
HOLDER,VALVE DISC	MATERIAL	VALVE STYLE	VALVE SIZE	SIZE	ADDITIONAL DETAIL													
HUMIDISTAT,MISC	TYPE	ELECTRICAL RATING	RANGE	ADDITIONAL DETAIL														
HANDLE,EXTENSION LIGHT	TYPE	MATERIAL	WATTAGE	ADDITIONAL DETAIL														
HANDLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HNDPHONE,MISC	TYPE	ADDITIONAL DETAIL																
HOE,MISC	TYPE	BLADE MATERIAL	BLADE SIZE	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL												
HOIST,MISC	TYPE	RATING	CAPACITY	ADDITIONAL DETAIL														
HOLSTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HONE,HAND	TYPE	GRIT	ABRASIVE	ABRASIVE SHAPE	ABRASIVE SIZE	LENGTH	ADDITIONAL DETAIL											
HONE,MISC	TYPE	GRIT	ABRASIVE	LENGTH	ADDITIONAL DETAIL													
HONE,ROTARY	TYPE	GRIT	ABRASIVE	STONE LENGTH	DIAMETER RANGE	LENGTH	ADDITIONAL DETAIL											
HOOD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOOD,SAFETY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOOK,GUY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOOK,LOAD RATED	TYPE	MATERIAL	LOAD RATING	SIZE	ADDITIONAL DETAIL													
HOOK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOOK,PACKING	TYPE	MATERIAL	TIP	SHAFT DIAMETER	LENGTH	ADDITIONAL DETAIL												
HOOP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOPPER,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
HORN,ARC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
HORN,MISC	TYPE	RATING	ADDITIONAL DETAIL															
HOSE,AIR	MATERIAL	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL													
HOSE,BRAKE	MATERIAL	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL													
HOSE,FIRE	MATERIAL	INSIDE DIAMETER	TEST PRESSURE	LENGTH	CONNECTION	ADDITIONAL DETAIL												
HOSE,FLEXIBLE METAL	MATERIAL	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL												
HOSE,HYDRAULIC	MATERIAL	STYLE	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL											
HOSE,MISC	TYPE	MATERIAL	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL												
HOSE,RADIATOR	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
HOSE,ROTARY	INSIDE DIAMETER	PRESSURE RATING	LENGTH	ADDITIONAL DETAIL														
HOSE,WATER	MATERIAL	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL												
HOT/COLD PACK,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
HOT PACK,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
HOTPLATE,ELECTRIC	MATERIAL	BURNER	WATTAGE	VOLTAGE	AMPERAGE	SIZE	TEMPERATURE RANGE	ADDITIONAL DETAIL										
HOTPLATE,GAS	MATERIAL	BURNER	BTU RATING	SIZE	ADDITIONAL DETAIL													
HOTPLATE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOUSEHLD APL,MISC	TYPE	ADDITIONAL DETAIL																
HOUSING,FLANGE BLOCK BEARING	MATERIAL	STYLE	FLANGE SHAPE	BOLT MOUNTING	BOLT HOLE PATTERN	BOLT HOLE CONFIGURATION	ADDITIONAL DETAIL											
HOUSING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HOUSING,PILLOW BLOCK BEARING	MATERIAL	STYLE	BOLT MOUNTING	BOLT HOLE CONFIGURATION	SIZE	SHAFT HEIGHT	ADDITIONAL DETAIL											
HOUSING,TAKE-UP BEARING	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL														
HEAT EXCHANGER,AIR COOLED	TYPE	RATING	SIZE	ADDITIONAL DETAIL														
HEAT EXCHANGER,FLUID COOLED	TYPE	RATING	SIZE	ADDITIONAL DETAIL														
HEAT EXCHANGER,MISC	TYPE	MATERIAL	PASS	PRESSURE RATING	ADDITIONAL DETAIL													
HEATER,IMMERSION	VOLTAGE	WATTAGE	AMPERAGE	DIAMETER	LENGTH	ADDITIONAL DETAIL												
HEATER,MISC	TYPE	RATING	SIZE	ADDITIONAL DETAIL														
HEATER,SPACE	TYPE	RATING	SIZE	ADDITIONAL DETAIL														
HEATER,STRIP	VOLTAGE	WATTAGE	SIZE	ADDITIONAL DETAIL														
HUB,CONDUIT	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HUB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
HUB,NETWORK	TYPE	COMMUNICATION SPEED	PORTS	ADDITIONAL DETAIL														
HUMIDIFIER,MISC	TYPE	ROOM CAPACITY	CAPACITY	SIZE	ADDITIONAL DETAIL													
HEAVY EQUIPMENT,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
HXL HCL,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
HYDRANT,FIRE	MATERIAL	STYLE	TRENCH DEPTH	RATING	MAIN VALVE SIZE	SIZE/CONNECTION	ADDITIONAL DETAIL											
HYDRANT,MISC	TYPE	MATERIAL	INLET CONNECTION	OUTLET CONNECTION	LENGTH	ADDITIONAL DETAIL												
HYDROMETER,MISC	TYPE	GRADUATIONS	RANGE	LENGTH	ADDITIONAL DETAIL													
HYGROMETER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
ICEMAKER,MISC	TYPE	RATING	CAPACITY	SIZE	ADDITIONAL DETAIL													
IDENTIFIER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
IDLER,CONVEYOR BELT	TYPE	BELT WIDTH	DIAMETER	DEGREE	ADDITIONAL DETAIL													
IDLER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
IGNITER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
ILLUMINATOR,MISC	TYPE	WATTAGE	SECTIONS	ADDITIONAL DETAIL														
IMMOBILIZER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
IMPELLER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
IMPELLER,PUMP	MATERIAL	CONFIGURATION	BORE	OUTSIDE DIAMETER	NUMBER OF VANES	ADDITIONAL DETAIL												
INDEX,DRILL BIT	MATERIAL	DRILL SIZE	ADDITIONAL DETAIL															
INDEX,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INDICATOR,MISC	TYPE	MATERIAL	SCALE	SIZE	RANGE	ADDITIONAL DETAIL												
INDICATOR,SIGHT FLOW	TYPE	MATERIAL	FLOW RATE	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL												
INDICATOR_LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
INDUCER,IMPELLER	MATERIAL	ADDITIONAL DETAIL																
INDUCER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INERT,MISC	TYPE	ADDITIONAL DETAIL																

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INFLATOR,MISC	TYPE	CONNECTION	ADDITIONAL DETAIL															
INHIBITOR,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
INITIATOR,MISC	TYPE	RATING	ADDITIONAL DETAIL															
INJECTOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INK,MISC	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL														
INLET,ELECTRICAL	BLADE STYLE	POLE	WIRE	ELECTRICAL RATING	ADDITIONAL DETAIL													
INLET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INSECTICIDE,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
INSERT,BEARING	ROLLING ELEMENT	SHAFT ATTACHMENT	INSIDE DIAMETER	SERIES	ADDITIONAL DETAIL													
INSERT,COUPLING	COUPLING TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INSERT,CUTTING TOOL	TYPE	MATERIAL	RADIUS	RAKE	SHAPE	SIZE	THICKNESS	ADDITIONAL DETAIL										
INSERT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INSERT,PIPE	MATERIAL	BODY SIZE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL												
INSERT, THREADED	TYPE	MATERIAL	INTERNAL THREADS	EXTERNAL THREADS	LENGTH	ADDITIONAL DETAIL												
INSERT,TUBE	MATERIAL	INSIDE DIAMETER	OUTISIDE DIAMETER	ADDITIONAL DETAIL														
INSERT,SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
INSERT SET, THREADED	TYPE	MATERIAL	INTERNAL THREADS	EXTERNAL THREADS	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
INSULATION,MISC	TYPE	MATERIAL	FORM	RATING	SIZE	ADDITIONAL DETAIL												
INSULATION,PIPE	MATERIAL	FORM	TEMPERATURE RATING	DEGREE	PIPE SIZE	SIZE	ADDITIONAL DETAIL											
INSULATOR,MISC	TYPE	MATERIAL	VOLTAGE	SIZE	ADDITIONAL DETAIL													
INTAKE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
INTERCOM,MISC	TYPE	STATIONS	POWER	ADDITIONAL DETAIL														
INTERFACE,MISC	TYPE	POWER	ADDITIONAL DETAIL															
INTERLOCK,MISC	TYPE	CONTACT ARRANGEMENT	NEMA SIZE	ADDITIONAL DETAIL														
INTERMEDIA,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
INTEGRATOR,MISC	TYPE	INPUT RANGE	OUTPUT RANGE	ADDITIONAL DETAIL														
INTERRUPTER,MISC	TYPE	RATING	ADDITIONAL DETAIL															
INVERTER,MISC	TYPE	POWER	OUTPUT RATING	ADDITIONAL DETAIL														
IRON,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
IRON,SOLDERING	VOLTAGE	WATTAGE	LENGTH	ADDITIONAL DETAIL														
ISO_PROPL_ALK,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
ISOLATOR,MISC	TYPE	ADDITIONAL DETAIL																
JACK,MISC	TYPE	MATERIAL	CAPACITY	ADDITIONAL DETAIL														
JACKETING,MISC	TYPE	MATERIAL	SHAPE	RADIUS	SIZE	DEGREE	ADDITIONAL DETAIL											
JAR,BATTERY	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL														
JAR,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
JAR,ROTARY	TYPE	INSIDE DIAMETER	OUTSIDE DIAMETER	SIZE/CONNECTION	ADDITIONAL DETAIL													
JAR,VACUUM BELL	MATERIAL	OUTSIDE DIAMETER	HEIGHT	ADDITIONAL DETAIL														
JAR, MED,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
JAW,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
JAW, WRENCH	TYPE	MATERIAL	WRENCH SIZE	ADDITIONAL DETAIL														
JACKET,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
JERIGEN,MISC	TYPE	MATERIAL	CONTAINER	ADDITIONAL DETAIL														
JET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
JIG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
JOINT,BALL	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL														
JOINT,EXPANSION	TYPE	MATERIAL	MOVEMENT	DESIGN RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL										
JOINT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
JOINT,SAFETY	SHEAR PIN RATING	END SIZE/CONNECTION	INSIDE DIAMETER	OUTSIDE DIAMETER	ADDITIONAL DETAIL													
JOINT,SOCKET DRIVE	MATERIAL	DRIVE SIZE	LENGTH	ADDITIONAL DETAIL														
JOINT,SWIVEL	TYPE	MATERIAL	COLOR	SIZE	CONNECTION	ADDITIONAL DETAIL												
JOINT,UNIVERSAL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
JOURNAL,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
JUMPER,MISC	TYPE	TERMINATIONS	CONDUCTOR SIZE	LENGTH	ADDITIONAL DETAIL													
JUNCTION,MISC	TYPE	RECEPTACLES	ELECTRICAL RATING	ADDITIONAL DETAIL														
KARTON,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
KELLY,MISC	TYPE	TOP SIZE/CONNECTION	BOTTOM SIZE/CONNECTION	INSIDE DIAMETER	OUTSIDE DIAMETER	NOMINAL SIZE	LENGTH	ADDITIONAL DETAIL										
KEY,CHUCK	MATERIAL	KEY NUMBER	ADDITIONAL DETAIL															
KEY,MISC	TYPE	MATERIAL	SPECIFICATION	SIZE	ADDITIONAL DETAIL													
KEY FOB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
KEY SET,MISC	TYPE	MATERIAL	SPECIFICATION	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL												
KEY STOCK,MISC	MATERIAL	SPECIFICATION	PROCESS	CROSS-SECTIONAL SIZE	LENGTH	ADDITIONAL DETAIL												
KEYBOARD,MISC	TYPE	CONNECTOR	KEYS	ADDITIONAL DETAIL														
KEYPAD,MISC	TYPE	KEYS	ADDITIONAL DETAIL															
KIT,ADHESIVE	TYPE	CONTAINER	ADDITIONAL DETAIL															
KIT,CONTACT	TYPE	POLE	AMPERAGE	NEMA SIZE	ADDITIONAL DETAIL													
KIT,FIRST AID	TYPE	SIZE	ADDITIONAL DETAIL															
KIT,MISC	TYPE	APPLICATION	CONTAINS A	CONTAINS B	CONTAINS C	CONTAINS D	CONTAINS E	CONTAINS F	ADDITIONAL DETAIL									
KIT,SPLICE	CONDUCTOR	VOLTAGE	INSULATION	ADDITIONAL DETAIL														
KIT,TERMINATION	TYPE	MATERIAL	VOLTAGE	CONDUCTOR	ADDITIONAL DETAIL													
KNIFE,MISC	TYPE	BLADE MATERIAL	HANDLE	SIZE	ADDITIONAL DETAIL													
KNOB,MISC	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
KNOCKER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
KNURL,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
KNURL,WRENCH	TYPE	MATERIAL	WRENCH SIZE	ADDITIONAL DETAIL														
LABEL,MISC	TYPE	MATERIAL	COLOR	SIZE	DESIGNATION	ADDITIONAL DETAIL												
LABELER,ELECTRICAL	TYPE	POWER SOURCE	TAPE WIDTH	ADDITIONAL DETAIL														
LABELER,MANUAL	TYPE	TAPE WIDTH	ADDITIONAL DETAIL															
LABELER,MISC	TYPE	TAPE WIDTH	ADDITIONAL DETAIL															
LABYRINTH,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
LACING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LACING,SHOE	MATERIAL	LENGTH	ADDITIONAL DETAIL															
LADDER,EXTENSION	TYPE	MATERIAL	SECTIONS	LENGTH	CAPACITY	ADDITIONAL DETAIL												
LADDER,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
LADDER,STEP	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
LADLE,MISC	TYPE	MATERIAL	DIAMETER	HANDLE LENGTH	ADDITIONAL DETAIL													
LAGGING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LAMINATOR,MISC	TYPE	WIDTH CAPACITY	ADDITIONAL DETAIL															
LAMP,FLUORESCENT	TYPE	WATTAGE	VOLTAGE	LENGTH	BULB	COLOR	BASE	INITIAL LUMENS	COLOR RENDERING	COLOR TEMPERATUR	APPROXIMATE LIFE H	ADDITIONAL DETAIL						
LAMP,HID	TYPE	VOLTAGE	WATTAGE	COLOR	BULB	BASE	OPERATING POSITION	MAXIMUM OVERALL LENGTH	INITIAL LUMENS	APPROXIMATE LIFE H	ADDITIONAL DETAIL							
LAMP,INCANDESCENT	TYPE	WATTAGE	VOLTAGE	COLOR	BULB	BASE	MAXIMUM OVERALL LENGTH	LUMENS	APPROXIMATE LIFE H	ADDITIONAL DETAIL								
LAMP,LCD_PJCTR	TYPE	BASE	BULB	VOLTAGE	WATTAGE	COLOR	ADDITIONAL DETAIL											
LAMP,MISC	TYPE	BASE	BULB	WATTAGE	VOLTAGE	COLOR	ADDITIONAL DETAIL											
LAMP,NEON	BASE	BULB	WATTAGE	VOLTAGE	COLOR	APPROXIMATE LIFE HOURS	ADDITIONAL DETAIL											
LAMP,QUARTZ	BASE	BULB	WATTAGE	VOLTAGE	COLOR	APPROXIMATE LIFE HOURS	ADDITIONAL DETAIL											
LANTERN,ELECTRIC	TYPE	BATTERIES	ELECTRICAL RATING	ADDITIONAL DETAIL														
LANTERN,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
LANYARD,MISC	TYPE	MATERIAL	SIZE	ENDS	ADDITIONAL DETAIL													
LATCH,DOOR	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
LATCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LATERAL,MISC	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
LATERAL,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL										
LATERAL,PIPE REDUCER	MATERIAL	SPECIFICATION	GRADE	RATING	RUN SIZE	BRANCH SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL									
LATHE,MISC	TYPE	ADDITIONAL DETAIL																
LEAD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LEAD,PENCIL	HARDNESS	COLOR	DIAMETER	ADDITIONAL DETAIL														
LEAD,TEST	MATERIAL	CONNECTORS	LENGTH	ADDITIONAL DETAIL														
LEADER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LEAF,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
LEAFLET,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
LEASH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LEG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LENS,CAMERA	TYPE	F-STOP	FOCAL LENGTH	ADDITIONAL DETAIL														
LENS,INDICATING LIGHT	TYPE	MATERIAL	COLOR	ADDITIONAL DETAIL														
LENS,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
LENS,PUSHBUTTON	MATERIAL	COLOR	DESIGNATION	ADDITIONAL DETAIL														
LENS,SAFETY EQUIPMENT	TYPE	MATERIAL	SHADE	SIZE	ADDITIONAL DETAIL													
LETTER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
LEVELER,MISC	TYPE	ADDITIONAL DETAIL																
LEVER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LEVER,SWITCH	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LIGHT,EXTENSION	TYPE	VOLTAGE	WATTAGE	CORD LENGTH	ADDITIONAL DETAIL													
LIGHT,FLUORESCENT	TYPE	VOLTAGE	WATTAGE	CONFIGURATION	LAMP SIZE	BALLAST	MOUNT	REFRACTOR	ADDITIONAL DETAIL									
LIGHT,HIGH PRESSURE SODIUM	TYPE	VOLTAGE	WATTAGE	AMPERAGE	BALLAST	MOUNT	REFRACTOR	ADDITIONAL DETAIL										
LIGHT,INCANDESCENT	TYPE	VOLTAGE	WATTAGE	SOCKET	ENHANCEMENTS	MOUNT	REFRACTOR	ADDITIONAL DETAIL										
LIGHT,INDICATING	TYPE	MOUNT	COLOR	VOLTAGE	CONNECTION	ADDITIONAL DETAIL												
LIGHT,LASER	VOLTAGE	FUNCTION	ADDITIONAL DETAIL															
LIGHT,LOW PRESSURE SODIUM	TYPE	REFRACTOR	MOUNT	BALLAST	VOLTAGE	WATTAGE	AMPERAGE	ADDITIONAL DETAIL										
LIGHT,MERCURY VAPOR	TYPE	REFRACTOR	MOUNT	BALLAST	VOLTAGE	WATTAGE	AMPERAGE	ADDITIONAL DETAIL										
LIGHT,METAL HALIDE	TYPE	REFRACTOR	MOUNT	BALLAST	VOLTAGE	WATTAGE	AMPERAGE	ADDITIONAL DETAIL										
LIGHT,MISC	TYPE	VOLTAGE	WATTAGE	COLOR	ADDITIONAL DETAIL													
LIGHT,QUARTZ	VOLTAGE	WATTAGE	MOUNT	ADDITIONAL DETAIL														
LID,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LIFE PRESERVER,MISC	TYPE	MATERIAL	COLOR	RATING	SIZE	ADDITIONAL DETAIL												
LIFELINE,MISC	HOUSING MATERIAL	CABLE MATERIAL	LENGTH	ADDITIONAL DETAIL														
LIFT,MISC	TYPE	ADDITIONAL DETAIL																
LIFTER,MISC	TYPE	ADDITIONAL DETAIL																
LIGHTER,MISC	TYPE	ADDITIONAL DETAIL																
LIME,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

LIMITER,CABLE	TYPE	CONDUCTOR	CONNECTION	ADDITIONAL DETAIL														
LIMITER,MISC	TYPE	RATING	ADDITIONAL DETAIL															
LINE,CHALK	TYPE	MATERIAL	LENGTH	ADDITIONAL DETAIL														
LINE,DRILLING	MATERIAL	STRENGTH	STRUCTURE	SIZE	ADDITIONAL DETAIL													
LINE,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
LINER,JACKET	TYPE	SIZE	SLEEVE LENGTH	ADDITIONAL DETAIL														
LINER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LINK,DRIVE CHAIN	TYPE	MATERIAL	FASTENED	PITCH	ADDITIONAL DETAIL													
LINK,EXTENSION	TYPE	MATERIAL	RATING	LENGTH	ADDITIONAL DETAIL													
LINK,FUSE	TYPE	AMPERAGE	VOLTAGE	ADDITIONAL DETAIL														
LINK,LOAD RATED CHAIN	TYPE	MATERIAL	RATING	SIZE	ADDITIONAL DETAIL													
LINK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LINK,RENEWABLE FUSE	AMPERAGE	VOLTAGE	ADDITIONAL DETAIL															
LINKAGE,MISC	TYPE	ADDITIONAL DETAIL																
LIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LOCK,MISC	TYPE	MATERIAL	OPERATED	SIZE	ADDITIONAL DETAIL													
LOCK,PAD	TYPE	MATERIAL	HORIZONTAL CLEARANCE	VERTICAL CLEARANCE	SHACKLE DIAMETER	CASE THICKNESS	CASE WIDTH	ADDITIONAL DETAIL										
LOCKSET,MISC	TYPE	MATERIAL	THROW	BACKSET	DOOR THICKNESS	ADDITIONAL DETAIL												
LOCATOR,MISC	TYPE	POWER SOURCE	OUTPUT INDICATION	ADDITIONAL DETAIL														
LOCKER,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
LOCKOUT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LOOM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LOOP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LOUVER,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
LUBRICANT,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
LUBRCT,PERTAMINA	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
LUBRICATOR,MISC	TYPE	MATERIAL	PRESSURE RATING	SIZE/CONNECTION	CAPACITY	ADDITIONAL DETAIL												
LUG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
LUMBER,MISC	TYPE	MATERIAL	GRADE	FINISH	WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL										
LEVEL,MISC	TYPE	MATERIAL	VIALS	SIZE	ADDITIONAL DETAIL													
MACHINE,MISC	TYPE	ADDITIONAL DETAIL	ADDITIONAL DETAIL															
MACHETE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MAGAZINE,MISC	TYPE	ADDITIONAL DETAIL																
MAGNET,ELECTRO	SIZE	STRENGTH	ELECTRICAL RATING	ADDITIONAL DETAIL														
MAGNET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MAGNETO,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MAGNIFIER,MISC	TYPE	SIZE	FOCAL NUMBER	ADDITIONAL DETAIL														
MAILER,MISC	TYPE	MATERIAL	CLOSURE	SIZE	ADDITIONAL DETAIL													
MAILER,TUBE	MATERIAL	ENDS	SIZE	ADDITIONAL DETAIL														
MANDREL,BOTTOM HOLE PUMP	TYPE	MATERIAL	SIZE	NUMBER OF CUPS	ADDITIONAL DETAIL													
MANDREL,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
MANHOLE,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
MANOMETER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
MANTLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MAP,MISC	TYPE	MATERIAL	TITLE	SIZE	ADDITIONAL DETAIL													
MARCH_BND,MISC	TYPE	ADDITIONAL DETAIL																
MARKER,MISC	TYPE	MATERIAL	COLOR	SIZE	DESIGNATION	ADDITIONAL DETAIL												
MARKER,SAFETY	COLOR	SIZE	DESIGNATION	ADDITIONAL DETAIL														
MARKER,VOLTAGE	COLOR	SIZE	DESIGNATION	ADDITIONAL DETAIL														
MARKER,WIRE	MATERIAL	COLOR	SIZE	DESIGNATION	ADDITIONAL DETAIL													
MARKER,WRITING	TYPE	TIP MATERIAL	TIP	COLOR		ADDITIONAL DETAIL												
MASK,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
MAT,MISC	TYPE	MATERIAL	CONFIGURATION	COLOR	SIZE	ADDITIONAL DETAIL												
MATCHES,MISC	TYPE	MATERIAL	CONTAINER	ADDITIONAL DETAIL														
MATERIAL,MISC	TYPE	COMPOSITION	SIZE	ADDITIONAL DETAIL														
MATTOCK,MISC	TYPE	HEAD MATERIAL	HEAD WEIGHT	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL												
MATTRESS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MEASURER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
MECHANISM,MISC	TYPE	ADDITIONAL DETAIL																
MED.SUPL.HD,MISC	TYPE	ADDITIONAL DETAIL																
MED.SUPL.MISC	TYPE	ADDITIONAL DETAIL																
MEDIA,MISC	TYPE	MATERIAL	FORM	SIZE	ADDITIONAL DETAIL													
MEDICATION,EXTERNAL	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
MEDICATION,INTERNAL	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
MEDICATION,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
MEDICINE,MISC	TYPE	ADDITIONAL DETAIL																
MEMBRANE,FILTER	TYPE	SIZE	FILTRATION SIZE	ADDITIONAL DETAIL														
MEMBRANE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MENDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MESH,MISC	SIZE	MATERIAL	WIRE DIAMETER	MESH SIZE	ADDITIONAL DETAIL													
METAL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
METER,ELECTRICAL SERVICE	TYPE	PHASE	VOLTAGE		AMPERAGE	FREQUENCY	R/P RATIO	ADDITIONAL DETAIL										
METER,GAS SERVICE	MATERIAL	INLET CONNECTION	OUTLET CONNECTION	RANGE	ADDITIONAL DETAIL													
METER,MISC	TYPE	READOUT	STYLE	RANGE	ADDITIONAL DETAIL													
METER,WATER SERVICE	MATERIAL	INLET CONNECTION	OUTLET CONNECTION	RANGE	ADDITIONAL DETAIL													
METHANOL,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
MICROPHONE,MISC	TYPE	STYLE	POWER	ADDITIONAL DETAIL														
MICA,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MICROMETER,MISC	TYPE	GRADUATIONS	RANGE	ADDITIONAL DETAIL														
MICROMETER SET,MISC	TYPE	GRADUATIONS	CONTAINER	RANGE	NUMBER OF PIECES	ADDITIONAL DETAIL												
MICROSCOPE,MISC	TYPE	MAGNIFICATION	ADDITIONAL DETAIL															
MILL,MISC	OUTSIDE DIAMETER	CATCH SIZE	ADDITIONAL DETAIL															
MILLSTONE,MISC	TYPE	ADDITIONAL DETAIL																
MIRROR,MISC	TYPE	SHAPE	SIZE	ADDITIONAL DETAIL														
MITTENS,MISC	TYPE	MATERIAL	CUFF	COLOR	SIZE	ADDITIONAL DETAIL												
MIXER,ELECTRONIC	TYPE	ADDITIONAL DETAIL																
MIXER,MISC	TYPE	DRIVER	ADDITIONAL DETAIL															
MANIFOLD,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
MANIFOLD,VALVE	STYLE	BODY MATERIAL	DESIGN RATING	TEMPERATURE RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
MANIFOLD,VALVE, NEEDLE	STEM TYPE	STEM SEAL/PACKING	BODY MATERIAL	STYLE	CONFIGURATION	PRESSURE RATING	INLET SIZE	INLET CONNECTION	OUTLET SIZE	OUTLET CONNECTIO	TEMPERATURE RATI	ADDITIONAL DETAIL						
MOUNT,FUSE	TYPE	AMPERAGE	VOLTAGE	ADDITIONAL DETAIL														
MOUNT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MODEM,MISC	TYPE	POWER	SPEED	ADDITIONAL DETAIL														
MODULATOR,MISC	TYPE	POWER	ADDITIONAL DETAIL															
MODULE,MISC	TYPE	POWER SOURCE	INPUT	OUTPUT	ADDITIONAL DETAIL													
MODULE,POWER SUPPLY	INPUT	OUTPUT	ADDITIONAL DETAIL															
MOISTENER,MISC	TYPE	MATERIAL	CONTAINER	ADDITIONAL DETAIL														
MOLD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MOLD,THERMAL WELD	TYPE	DUTY	SIZE	CONNECTION	ADDITIONAL DETAIL													
MOLDING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MONITOR,LCD	TYPE	SIZE	ADDITIONAL DETAIL															
MONITOR,MISC	TYPE	POWER SOURCE	RANGE	ADDITIONAL DETAIL														
MONITOR,VIDEO	TYPE	POWER SOURCE	RESOLUTION	SIZE	ADDITIONAL DETAIL													
MOP,MISC	TYPE	HEAD MATERIAL	HEAD SIZE	HANDLE MATERIAL	HANDLE SIZE	ADDITIONAL DETAIL												
MORTAR,LABORATORY	MATERIAL	SIZE	ADDITIONAL DETAIL															
MORTAR,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
MOSQ_ESSNC,MISC	TYPE	ADDITIONAL DETAIL																
MOUSE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
MOVEMENT,GAUGE	MATERIAL	GAUGE STYLE	GAUGE SIZE	RANGE	ADDITIONAL DETAIL													
MOVEMENT,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
MOWER,MISC	TYPE	CUTTING ACTION	POWER	WIDTH	ADDITIONAL DETAIL													
MOTOR,ELECTRIC, AC	POWER	VOLTAGE	PHASE	FREQUENCY	AMPERAGE	WATTAGE	SPEED	FRAME	ENCLOSURE	SERVICE FACTOR	SHAFT SIZE	BRAKE	MOUNT	LENGTH	ADDITIONAL DETAIL			
MOTOR,CHART DRIVE	AMPERAGE	WATTAGE	ELECTRICAL RATING	SPEED	ADDITIONAL DETAIL													
MOTOR,ELECTRIC, DC	POWER	VOLTAGE	AMPERAGE	WATTAGE	SPEED	FRAME	ENCLOSURE	SERVICE FACTOR	SHAFT SIZE	BRAKE	MOUNT	LENGTH	ADDITIONAL DETAIL					
MOTOR,HYDRAULIC	TYPE	BRAKE	INPUT	OUTPUT	SPEED	ADDITIONAL DETAIL												
MOTOR,MISC	TYPE	POWER	ELECTRICAL RATING	SPEED	FRAME	ENCLOSURE	SERVICE FACTOR	SHAFT SIZE	BRAKE	MOUNT	LENGTH	ADDITIONAL DETAIL						
MOTOR,SERVO	VOLTAGE	WATTAGE	FREQUENCY	ADDITIONAL DETAIL														
MOTOR,TIMING	VOLTAGE	WATTAGE	PHASE	FREQUENCY	SPEED	ADDITIONAL DETAIL												
MOTOR,VALVE ACTUATOR	POWER	VOLTAGE	AMPERAGE	PHASE	FREQUENCY	SPEED	FRAME	START TORQUE	RUN TORQUE	INSULATION	TEMPERATURE RATI	DUTY	ENCLOSURE	ADDITIONAL DETAIL				
MOTOR,VEHICLE,MISC	TYPE	MODEL	STYLE	MAKE	YEAR	ADDITIONAL DETAIL												
MUFFLER,MISC	TYPE	MATERIAL	INLET SIZE	INLET CONNECTION	OUTLET SIZE	OUTLET CONNECTION	LENGTH	ADDITIONAL DETAIL										
MUG,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
MUKENAH,MISC	TYPE	ADDITIONAL DETAIL																
MULCH,MISC	TYPE	MATERIAL	CONTAINER	ADDITIONAL DETAIL														
MULDEM,MISC	TYPE	POWER	ADDITIONAL DETAIL															
MULTIMETER,MISC	STYLE	READOUT	RANGE	ADDITIONAL DETAIL														
MULTIPLIER,MISC	TYPE	GEAR RATIO	INPUT DRIVE	OUTPUT DRIVE	OUTPUT RATING	ADDITIONAL DETAIL												
MULTIPLEXER,MISC	TYPE	POWER	ADDITIONAL DETAIL															
NAIL,AUTOMATIC DRIVE	MATERIAL	LENGTH	NUMBER PER LOAD	ADDITIONAL DETAIL														
NAIL,MISC	TYPE	MATERIAL	THICKNESS	LENGTH	ADDITIONAL DETAIL													
NAIL,POLE MARKING	MATERIAL	LENGTH	DESIGNATION	ADDITIONAL DETAIL														
NAILER,MISC	TYPE	NAIL TYPE	POWER SOURCE	NAIL LOAD CAPACITY	ADDITIONAL DETAIL													
NAPKIN,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
N-BUTHANOL,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
NEEDLE,MISC	TYPE	SIZE	MATERIAL	ADDITIONAL DETAIL														
NEEDLE, SYRINGE	TYPE	POINT	LENGTH	GAUGE NUMBER	ADDITIONAL DETAIL													
NECK,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
NET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
NETTING,MISC	TYPE	MATERIAL	OPENING SIZE	SIZE	ADDITIONAL DETAIL													

N-HEPTHANE,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
NIBBLER,MISC	TYPE	POWER SOURCE	CUTTING RADIUS	CUTTING CAPACITY	ADDITIONAL DETAIL													
NIPPERS,MISC	TYPE	MATERIAL	LENGTH	ADDITIONAL DETAIL														
NIPPLE,BOTTOM HOLE PUMP	TYPE	MATERIAL	SIZE/CONNECTION	INSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL												
NIPPLE,CONDUIT	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
NIPPLE,HOSE	MATERIAL	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL													
NIPPLE,HOSE, HEX	MATERIAL	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL													
NIPPLE,LANDING	MATERIAL	SEAL BORE	SIZE	TOP CONNECTION	WEIGHT	NO GO ID	SERVICE	ADDITIONAL DETAIL										
NIPPLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
NIPPLE,PIPE	TYPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL									
NIPPLE,PIPE, HEX	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	LENGTH	HEX SIZE	ADDITIONAL DETAIL									
NIPPLE,SEAL	TYPE	OUTSIDE DIAMETER	INSIDE DIAMETER	CONNECTION	WEIGHT	SERVICE	ADDITIONAL DETAIL											
NIPPLE,SWAGE	TYPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL									
NIPPLE,TUBE	MATERIAL	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL												
NITRIC_ACID,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
NO NOUN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
NOSE,MISC	TYPE	ADDITIONAL DETAIL																
NOTCHER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
NOTE,MISC	TYPE	ADDITIONAL DETAIL																
NOTEBOOK,MISC	TYPE	SIZE	CAPACITY	ADDITIONAL DETAIL														
NOZZLE,MISC	TYPE	MATERIAL	SIZE	CONNECTION	ORIFICE SIZE	ADDITIONAL DETAIL												
NOZZLE,TORCH	TYPE	SIZE	ADDITIONAL DETAIL															
NOZZLE,VALVE	MATERIAL	VALVE SIZE	ADDITIONAL DETAIL															
NUT,BEARING LOCK	TYPE	INDUSTRY STANDARD	ADDITIONAL DETAIL															
NUT,CAP	MATERIAL	SPECIFICATION	GRADE	THREADS	DIAMETER	HEIGHT	ADDITIONAL DETAIL											
NUT,CHANNEL	MATERIAL	SPRING	THREADS	DIAMETER	CHANNEL SIZE	ADDITIONAL DETAIL												
NUT,CONDUIT LOCK	TYPE	MATERIAL	DIAMETER	ADDITIONAL DETAIL														
NUT,COUPLING	MATERIAL	THREADS	DIAMETER	HEIGHT	ADDITIONAL DETAIL													
NUT,EYE	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS	LOAD RATING	DIAMETER	EYE DIAMETER	ADDITIONAL DETAIL									
NUT,HEX	TYPE	MATERIAL	SPECIFICATION	GRADE	DIAMETER	THREADS	HEIGHT	ADDITIONAL DETAIL										
NUT,LOCK	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS	DIAMETER	ADDITIONAL DETAIL											
NUT,MISC2	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS	DIAMETER	ADDITIONAL DETAIL											
NUT,SLOTTED	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS	DIAMETER	ADDITIONAL DETAIL											
NUT,SQUARE	MATERIAL	SPECIFICATION	GRADE	THREADS	DIAMETER	WIDTH	HEIGHT	ADDITIONAL DETAIL										
NUT,TUBE FITTING	TYPE	MATERIAL	THREADS	SIZE	ADDITIONAL DETAIL													
NUT,WING	MATERIAL	THREADS	DIAMETER	WING SPREAD	WING HEIGHT	ADDITIONAL DETAIL												
ODORANT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
OFFICE_APPL,MISC	TYPE	ADDITIONAL DETAIL																
OFFICE_SUPL,MISC	TYPE	ADDITIONAL DETAIL																
OHMMETER,MISC	TYPE	READOUT	RESISTANCE RANGE	ADDITIONAL DETAIL														
OIL,ENGINE	API CLASS	SAE GRADE	CONTAINER	ADDITIONAL DETAIL														
OIL,INDUSTRIAL	TYPE	FLASH POINT	VISCOSITY RATING	CONTAINER	ADDITIONAL DETAIL													
OIL,MISC	TYPE	RATING	CONTAINER	ADDITIONAL DETAIL														
OIL,NON-LUBRICATING	TYPE	CONTAINER	ADDITIONAL DETAIL															
OIL_BOOM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
OIL_SKIMMER,MISC	TYPE	ADDITIONAL DETAIL																
OILER,MISC	TYPE	MATERIAL	SPOUT	CAPACITY	ADDITIONAL DETAIL													
OPENER,CAN	TYPE	DRIVE	ADDITIONAL DETAIL															
OPENER,DOOR	SENSOR	MOVEMENT	DRIVE	ADDITIONAL DETAIL														
OPENER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
OPERATOR,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
OPERATOR,SWITCH	TYPE	MATERIAL	COLOR	ADDITIONAL DETAIL														
ORDNER,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
ORGANIZER,CABLE	TYPE	CABLE MANAGEMENT STYLE	MOUNTING	COLOR	MOUNTING WIDTH	HEIGHT	ADDITIONAL DETAIL											
ORGANIZER,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
ORIFICE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
O-RING,MISC2	TYPE	MATERIAL	INSIDE DIAMETER	OUTSIDE DIAMETER	WIDTH	INDUSTRY STANDARD	ADDITIONAL DETAIL											
O-RING SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL													
OSCILLATOR,MISC	TYPE	FREQUENCY	SUPPLY RATING	ADDITIONAL DETAIL														
OSCILLOSCOPE,MISC	TYPE	POWER SOURCE	BANDWIDTH	CRT FACE SIZE	ADDITIONAL DETAIL													
OTHERS_PROD,MISC	TYPE	ADDITIONAL DETAIL																
OUTLET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
OUTLET,PIPE	TYPE	MATERIAL	SPECIFICATION	GRADE	RATING	BRANCH SIZE	BRANCH CONNECTION	RUN SIZE	ADDITIONAL DETAIL									
OUTLET,SERVICE	TYPE	POLE	WIRE	ELECTRICAL RATING	ADDITIONAL DETAIL													
OVEN,MISC	TYPE	ELECTRICAL RATING	TEMPERATURE RATING	CAPACITY	ADDITIONAL DETAIL													
OVERALLS,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
PACKOFF,MISC	TYPE	MATERIAL	SPECIFICATION	SERVICE	TOP RATING	BOTTOM RATING	SIZE	ADDITIONAL DETAIL										
PAD,BRAKE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAD,CLEANING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAD,CONCRETE	TYPE	SIZE	ADDITIONAL DETAIL															
PAD,DESK	COLOR	SIZE	ADDITIONAL DETAIL															
PAD,DISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAD,INK	TYPE	COLOR	SIZE	ADDITIONAL DETAIL														
PAD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAD,WRITING	TYPE	LAYOUT	COLOR	SIZE	SHEETS	ADDITIONAL DETAIL												
PADDLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAGER,MISC	TYPE	ADDITIONAL DETAIL																
PAIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAINT,MISC	TYPE	FINISH	COLOR	CONTAINER	ADDITIONAL DETAIL													
PALLET,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
PALLET,STORAGE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PAMPHLET,MISC	TYPE	TITLE	SIZE	NUMBER	ADDITIONAL DETAIL													
PAN,MISC	TYPE	MATERIAL	SIZE	THICKNESS	ADDITIONAL DETAIL													
PANEL,CONTROL	TYPE	ADDITIONAL DETAIL																
PANEL,ELECTRICAL POWER	TYPE	AMPERAGE	ELECTRICAL RATING	SIZE	ADDITIONAL DETAIL													
PANEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PANELING,MISC	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
PANTS,MISC	TYPE	MATERIAL	WAIST	COLOR	INSEAM LENGTH	ADDITIONAL DETAIL												
PAPER,BUILDING	MATERIAL	SIZE	PLY	ADDITIONAL DETAIL														
PAPER,CARBON	COLOR	SIZE	ADDITIONAL DETAIL															
PAPER,FILTER	TYPE	SIZE	ADDITIONAL DETAIL															
PAPER,LETTERHEAD	MATERIAL	DESIGNATION	COLOR	SIZE	ADDITIONAL DETAIL													
PAPER,MISC	TYPE	COLOR	SIZE	ADDITIONAL DETAIL														
PAPER,PHOTO	TYPE	SIZE	ADDITIONAL DETAIL															
PAPER,PRINTER/COPIER	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
PAPER,ROLL	TYPE	COLOR	SIZE	ADDITIONAL DETAIL														
PAPER,TEST	TYPE	SIZE	RANGE	ADDITIONAL DETAIL														
PARALLELS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PARCEL,MISC	TYPE	ADDITIONAL DETAIL																
PARTITION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PASTE,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
PATCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PATCH,TIRE	TYPE	SHAPE	SIZE	ADDITIONAL DETAIL														
PAWL,MISC	TYPE	ADDITIONAL DETAIL																
PACK,MISC	TYPE	ADDITIONAL DETAIL																
PACK,TUNING	FREQUENCY	ADDITIONAL DETAIL																
PACKER,DRILL	TYPE	STYLE	SIZE	PACK OFF OUTSIDE DIAMETER	ADDITIONAL DETAIL													
PACKER,MISC	TYPE	ADDITIONAL DETAIL																
PICKRS,MISC	TYPE	ADDITIONAL DETAIL																
PEDAL,MISC	TYPE	ADDITIONAL DETAIL																
PEDESTAL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PEGBOARD,MISC	MATERIAL	SIZE	HOLE SIZE	ADDITIONAL DETAIL														
PEMBUNGKUS,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
PEN,INSTRUMENT	TYPE	TIP MATERIAL	COLOR	NIB SIZE	ADDITIONAL DETAIL													
PEN,MISC	TYPE	COLOR	ADDITIONAL DETAIL															
PEN,STATIONERY	TYPE	TIP MATERIAL	COLOR	POINT	ADDITIONAL DETAIL													
PENCIL,MECHANICAL	LEAD COLOR	LEAD DIAMETER	ADDITIONAL DETAIL															
PENCIL,MISC	TYPE	MATERIAL	LEAD COLOR	HARDNESS	ADDITIONAL DETAIL													
PENETRANT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
PERFORATOR,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
PERLAK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PESTICIDE,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
PESTLE,LABORATORY	MATERIAL	LENGTH	ADDITIONAL DETAIL															
PESTLE,MISC	TYPE	ADDITIONAL DETAIL																
PETROCHEM,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
PHOTOTUBE,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
PICK,MISC	TYPE	HEAD MATERIAL	HEAD WEIGHT	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL												
PICK,UP,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
PIECE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PIG,MISC	TYPE	MATERIAL	FUNCTION	BORE SIZE	ADDITIONAL DETAIL													
PILLAR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PILLOW,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PILOT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
PILOT,TOOL	TYPE	MATERIAL	SHANK DIAMETER	DIAMETER	CUTTER SIZE	ADDITIONAL DETAIL												
PILOT,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	SET PRESSURE	ADDITIONAL DETAIL													
PIN,CLEVIS	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
PIN,COTTER	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
PIN,DOWEL	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
PIN,DRIFT	MATERIAL	SHAPE	POINT DIAMETER	DIAMETER	LENGTH	ADDITIONAL DETAIL												

Dokumen sesuai dengan aslinya, dicetak pada tanggal 11/06/2026 17:25:14 oleh

PIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PIN,SHEAR	MATERIAL	SHAFT DIAMETER	NECK DIAMETER	LENGTH	ADDITIONAL DETAIL													
PIN,TAPER	MATERIAL	TAPER SIZE	LENGTH	ADDITIONAL DETAIL														
PIN SET,CLEVIS	MATERIAL	DIAMETER	LENGTH	NUMBER OF PIECES	ADDITIONAL DETAIL													
PIN SET,COTTER	MATERIAL	DIAMETER	LENGTH	NUMBER OF PIECES	ADDITIONAL DETAIL													
PIN SET,DOWEL	MATERIAL	DIAMETER	LENGTH	NUMBER OF PIECES	ADDITIONAL DETAIL													
PIN SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL													
PIN SET,TAPER	MATERIAL	TAPER SIZE	LENGTH	NUMBER OF PIECES	ADDITIONAL DETAIL													
PINCERS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PINION,MISC	TYPE	ADDITIONAL DETAIL																
PINTLE,MISC	TYPE	ADDITIONAL DETAIL																
PIPE,DRILL	STRUCTURE	GRADE	WEIGHT	TOOL JOINT INSIDE DIAMETER	TOOL JOINT OUTSIDE DIAMET	CONNECTION	OUTSIDE DIAMETER	THICKNESS	LENGTH	ADDITIONAL DETAIL								
PIPE,LINE	MATERIAL	SPECIFICATION	GRADE	STRUCTURE	ENDS	RATING	SIZE	LENGTH	ADDITIONAL DETAIL									
PIPE,MISC	MATERIAL	SPECIFICATION	GRADE	STRUCTURE	ENDS	RATING	SIZE	LENGTH	ADDITIONAL DETAIL									
PIPE,SPECIAL PURPOSE	TYPE	MATERIAL	SPECIFICATION	GRADE	ENDS	RATING	SIZE	LENGTH	ADDITIONAL DETAIL									
PIPET,MISC	TYPE	MATERIAL	SPECIFICATION	GRADUATIONS	CAPACITY	ADDITIONAL DETAIL												
PIPETTOR,MISC	TYPE	MATERIAL	SPECIFICATION	GRADUATIONS	CAPACITY	ADDITIONAL DETAIL												
PIVOT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
PACKING,BULK	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL														
PACKING,MISC2	TYPE	MATERIAL	SHAPE	SIZE	ADDITIONAL DETAIL													
PACKING,RING SET	TYPE	MATERIAL	CROSS-SECTIONAL SHAPE	SIZE	NUMBER OF RINGS	ADDITIONAL DETAIL												
PLANCHET,MISC	MATERIAL	DIAMETER	THICKNESS	ADDITIONAL DETAIL														
PLANE,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
PLANK,MISC	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
PLANTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PLAQUE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PLASTIC_WRPG,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
PLATE,BEARING LOCK	INDUSTRY STANDARD	ADDITIONAL DETAIL																
PLATE,FRAMING FITTING	MATERIAL	SIZE	HOLE SIZE	ADDITIONAL DETAIL														
PLATE,LEGEND	TYPE	MATERIAL	DESIGNATION	SIZE	ADDITIONAL DETAIL													
PLATE,MISC2	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PLATE,METAL	MATERIAL	PROCESS	SPECIFICATION	GRADE	SIZE	WEIGHT	ADDITIONAL DETAIL											
PLATE,NAME	TYPE	MATERIAL	DESIGNATION	SIZE	ADDITIONAL DETAIL													
PLATE,ORIFICE	TYPE	MATERIAL	PRESSURE RATING	THICKNESS	PIPE SIZE	ORIFICE DIAMETER	ADDITIONAL DETAIL											
PLATE,SERVICE METER	TYPE	ADDITIONAL DETAIL																
PLATE,WALL	TYPE	MATERIAL	GANG	SIZE	ADDITIONAL DETAIL													
PLATE,WASHER	MATERIAL	ROD SIZE	HOLE SIZE	SIZE	ADDITIONAL DETAIL													
PLAYER,MISC	TYPE	RATING	ADDITIONAL DETAIL															
PLEXIGLASS,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
PLUG,CEMENTING	MATERIAL	CORE MATERIAL	CASING SIZE	CASING WEIGHT	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL											
PLUG,CONDUIT	TYPE	MATERIAL	HEAD	SIZE	CONNECTION	ADDITIONAL DETAIL												
PLUG,ELECTRICAL	TYPE	POLE	WIRE	AMPERAGE	VOLTAGE	NEMA CONFIGURATION	ADDITIONAL DETAIL											
PLUG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PLUG,PIPE	MATERIAL	SPECIFICATION	GRADE	HEAD	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL										
PLUG,SPARK	TYPE	DESIGNATION	ADDITIONAL DETAIL															
PLUG,TUBE	SIZE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
PLUG,TUBE FITTING	MATERIAL	THREADS	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL												
PLUG,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL														
PLIERS,MISC	TYPE	LENGTH	ADDITIONAL DETAIL															
PLIERS SET,MISC	TYPE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL													
PLUNGER,BOTTOM HOLE PUMP	TYPE	MATERIAL	RINGS/CUPS	FIT	SIZE	ADDITIONAL DETAIL												
PLUNGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PLATFORM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PLUMB BOB,MISC	MATERIAL	WEIGHT	LENGTH	ADDITIONAL DETAIL														
PLYWOOD,MISC	TYPE	CLASS	SIZE	ADDITIONAL DETAIL														
PODIUM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
POINTER,MISC	TYPE	MATERIAL	COLOR	DIAMETER	LENGTH	ADDITIONAL DETAIL												
POLE,LIGHT	TYPE	MATERIAL	SHAPE	FINISH	LENGTH	ADDITIONAL DETAIL												
POLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
POLE,POWER	TYPE	MATERIAL	SHAPE	FINISH	LENGTH	ADDITIONAL DETAIL												
POLICEMAN,MISC	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
POLISH,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
POLISHER,MISC	TYPE	ELECTRICAL RATING	SPEED	ADDITIONAL DETAIL														
POPPET,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
POPPET,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	SIZE	ADDITIONAL DETAIL													
PORT,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
POST,BINDING	TYPE	COLOR	ELECTRICAL RATING	ADDITIONAL DETAIL														
POST,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
POSTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
POSTER,NAME	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
POSITIONER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
POSITIONER,VALVE	TYPE	SUPPLY RATING	INPUT RANGE	ADDITIONAL DETAIL														
POT,ASSY	TYPE	ADDITIONAL DETAIL																
POT,ELECTRIC	TYPE	MATERIAL	ELECTRICAL RATING	TEMPERATURE RATING	SIZE	ADDITIONAL DETAIL												
POT,MISC	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
POTHEAD,MISC	TYPE	MATERIAL	VOLTAGE	CONDUCTOR	ADDITIONAL DETAIL													
POTENTIOMETER,MISC	TYPE	MATERIAL	TOLERANCE	TURNS	TAPER	RESISTANCE	WATTAGE	ADDITIONAL DETAIL										
POTTSM_DICH,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
POTTSM_IODITE,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
POUCH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
POUCH,TOOL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PRESS,DRILL	TYPE	DRIVE CAPACITY	ELECTRICAL RATING	SPEED	ADDITIONAL DETAIL													
PRESS,MISC	TYPE	TRAVEL	CAPACITY	ADDITIONAL DETAIL														
PROGRAMMER,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
PRIMER,MISC	TYPE	ADDITIONAL DETAIL																
PRIMER,SURFACE	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL														
PRINTBAND,MISC	TYPE	PRINT	ADDITIONAL DETAIL															
PRINTHEAD,MISC	TYPE	POINT	ADDITIONAL DETAIL															
PRINTER,MISC	TYPE	TECHNIQUE	ELECTRICAL RATING	ADDITIONAL DETAIL														
PRINTWHEEL,MISC	TYPE	STYLE	PITCH	POINT	SIZE	ADDITIONAL DETAIL												
PROBE,MISC	TYPE	MATERIAL	CABLE LENGTH	TIP DIAMETER	RATING	LENGTH	ADDITIONAL DETAIL											
PROBE,PROXIMITY	TYPE	TIP DIAMETER	CASE LENGTH	CABLE LENGTH	ADDITIONAL DETAIL													
PROCESSOR,MISC	TYPE	ADDITIONAL DETAIL																
PROJCTR,LCD	TYPE	SIZE	ADDITIONAL DETAIL															
PROJECTOR,MISC	TYPE	ADDITIONAL DETAIL																
PROPELLER,MISC	TYPE	MATERIAL	PITCH	BLADE DIAMETER	BORE	ADDITIONAL DETAIL												
PROTECTOR,HEARING	TYPE	DECIBEL	ADDITIONAL DETAIL															
PROTECTOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PROTECTOR,MOTOR CIRCUIT	POLE	VOLTAGE	AMPERAGE	SIZE	TRIP RANGE	ADDITIONAL DETAIL												
PROTECTR_UMUM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PROTECTV,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PROTRACTOR,MISC	TYPE	MATERIAL	GRADUATIONS	SIZE	DEGREE	ADDITIONAL DETAIL												
PROXIMITOR,MISC	PROBE DIAMETER	CABLE LENGTH	SCALE	ADDITIONAL DETAIL														
PRUNER,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
PISTON,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PSYCHROMETER,MISC	RANGE	ADDITIONAL DETAIL																
POINT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PULL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PULLER,FUSE	TYPE	MATERIAL	FUSE SIZE	ADDITIONAL DETAIL														
PULLER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PULLER_UMUM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
PULLEY,CONVEYOR	TYPE	MATERIAL	FACE	SIZE	ADDITIONAL DETAIL													
PULLEY,MISC	TYPE	MATERIAL	GROOVE	BORE	OUTSIDE DIAMETER	WIDTH	ADDITIONAL DETAIL											
PULLEY,V-BELT	MATERIAL	GROOVE	PITCH DIAMETER	BORE	OUTSIDE DIAMETER	BELT WIDTH	ADDITIONAL DETAIL											
PUMP,CENTRIFUGAL	INLET SIZE	OUTLET SIZE	IMPELLER SIZE	STAGE	CAPACITY	TOTAL HEAD	NPSH	SHAFT SPEED	DRIVER	ADDITIONAL DETAIL								
PUMP,DIAPHRAGM	TYPE	RATING	INLET SIZE	OUTLET SIZE	CAPACITY	SPEED	ADDITIONAL DETAIL											
PUMP,MISC	TYPE	DRIVER	RATING	INLET SIZE	OUTLET SIZE	CAPACITY	SPEED	ADDITIONAL DETAIL										
PUMP,RECIPROCATING	TYPE	STYLE	DRIVER	RATING	INLET SIZE	OUTLET SIZE	CAPACITY	SPEED	ADDITIONAL DETAIL									
PUMP,ROTARY	TYPE	DRIVER	RATING	PORT SIZE	CAPACITY	SPEED	ADDITIONAL DETAIL											
PUNCH,ARCH	MATERIAL	HOLE SIZE	ADDITIONAL DETAIL															
PUNCH,KNOCKOUT	TYPE	HOLE SIZE	CAPACITY	ADDITIONAL DETAIL														
PUNCH,MISC	TYPE	MATERIAL	HOLE SIZE	LENGTH	ADDITIONAL DETAIL													
PUNCH,PAPER	TYPE	HOLE SIZE	ADDITIONAL DETAIL															
PUNCH SET,ARCH	MATERIAL	HOLE SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL													
PUNCH SET,KNOCKOUT	TYPE	HOLE SIZE	CAPACITY	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
PUNCH SET,MISC	TYPE	MATERIAL	HOLE SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
PUP JOINT,MISC	TYPE	MATERIAL	GRADE	STRUCTURE	WEIGHT	SIZE/CONNECTION	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL									
PURGER,MISC	TYPE	ADDITIONAL DETAIL																
PURIFIER,MISC	TYPE	STYLE	CAPACITY	ADDITIONAL DETAIL														
PUSHER,MISC	TYPE	ADDITIONAL DETAIL																
POWDER,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
POWER SUPPLY,MISC	TYPE	INPUT RATING	OUTPUT VOLTAGE	OUTPUT AMPERAGE	ADDITIONAL DETAIL													
PYROMETER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
QUENCHER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
RACE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RACEWAY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RACHET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RACK,CAPACITOR	TYPE	MATERIAL	UNITS	VOLTAGE	PHASE	ADDITIONAL DETAIL												
RACK,GEAR	MATERIAL	PITCH	FACE WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL												

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RACK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RADIATOR,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
RADIO,MISC	TYPE	POWER	BAND	FREQUENCY	POWER OUTPUT	CHANNELS	BATTERY LIFE	RANGE	SIZE	ADDITIONAL DETAIL								
RAG,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
RAIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RAIL,RAILROAD	MATERIAL	RATING	LENGTH	ADDITIONAL DETAIL														
RAINGEAR,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
RAKE,MISC	TYPE	HANDLE MATERIAL	TEETH	HEAD SIZE	HANDLE LENGTH	ADDITIONAL DETAIL												
RAM,BOP	TYPE	SIZE	RATING	ADDITIONAL DETAIL														
RAM,HYDRAULIC	CAPACITY	ADDITIONAL DETAIL																
RAM,MISC	TYPE	ADDITIONAL DETAIL																
RAMP,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
RANGE,ELECTRIC	TYPE	MATERIAL	OVEN	ELEMENT	ELECTRICAL RATING	SIZE	ADDITIONAL DETAIL											
RAPPER,MISC	TYPE	ADDITIONAL DETAIL																
RATCHET,MISC	TYPE	ADDITIONAL DETAIL																
RAZOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RUBBER BAND,MISC	COLOR	SIZE	SIZE NUMBER	ADDITIONAL DETAIL														
REDUCER,CONDUIT	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
REDUCER,FUSE	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL															
REDUCER,MISC	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
REDUCER,PIPE	TYPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL										
REDUCER,TUBE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL														
REACTOR,MISC	TYPE	FREQUENCY	RESISTANCE	VOLTAGE	AMPERAGE	PHASE	ADDITIONAL DETAIL											
READER,MISC	TYPE	ADDITIONAL DETAIL																
REAGENT, LAB,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
REAMER,MISC	TYPE	MATERIAL	SHANK	CUT	FLUTES	FLUTE LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL									
RECEPTACLE,CONNECTOR BODY	TYPE	MATERIAL	POLE	WIRE	AMPERAGE	VOLTAGE	COLOR	CORD DIAMETER	NEMA CONFIGURATI(	ADDITIONAL DETAIL								
RECEPTACLE,ELECTRICAL	TYPE	POLE	WIRE	COLOR	AMPERAGE	VOLTAGE	NEMA CONFIGURATION	ADDITIONAL DETAIL										
RECEPTACLE,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
RECLAIMER,MISC	TYPE	ELECTRICAL RATING	SIZE	ADDITIONAL DETAIL														
RECLOSER,MISC	TYPE	AMPERAGE	KV RATING	ADDITIONAL DETAIL														
RECORDER,CHART	TYPE	PRINTING STYLE	CHART ROTATION	CHART SIZE	ELECTRICAL RATING	RANGE	ADDITIONAL DETAIL											
RECORDER,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
RECORDER,VIDEO	TYPE	TAPE SIZE	ADDITIONAL DETAIL															
RECTIFIER,MISC	TYPE	CONNECTION	VOLTAGE	AMPERAGE	INDUSTRY STANDARD	ADDITIONAL DETAIL												
RECEIVER,LIGHT CURTAIN	BEAM SPACING	PROTECTIVE HEIGHT	RANGE	ADDITIONAL DETAIL														
RECEIVER,MISC	TYPE	ADDITIONAL DETAIL																
RECEIVER,TONE	POWER	CARRIER FREQUENCY	TONE	ADDITIONAL DETAIL														
RECEIVER,TRAILER HITCH	MATERIAL	DROP/RISE	SHANK SIZE	BALL HOLE SIZE	TRAILER WEIGHT	TONGUE WEIGHT	LENGTH	ADDITIONAL DETAIL										
REEL,CORD	TYPE	OPERATED	SIZE	CAPACITY	ADDITIONAL DETAIL													
REEL,HOSE	TYPE	OPERATED	MOUNT	REEL SIZE	BASE SIZE	CAPACITY	ADDITIONAL DETAIL											
REEL,MISC	TYPE	OPERATED	SIZE	CAPACITY	ADDITIONAL DETAIL													
REFILL,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
REFILL,PEN	COLOR	POINT	ADDITIONAL DETAIL															
REFRACTOR,MISC	IES TYPE	MATERIAL	WATTAGE	SIZE	ADDITIONAL DETAIL													
REFRACTORY,MISC	MATERIAL	GRADE	FORM	SIZE	ADDITIONAL DETAIL													
REFRIGERANT,MISC	TYPE	RATING	CONTAINER	ADDITIONAL DETAIL														
REFRIGERATOR,MISC	TYPE	RATING	CAPACITY	ADDITIONAL DETAIL														
REGISTER,METER	TYPE	ELECTRICAL RATING	GEAR RATIO	ADDITIONAL DETAIL														
REGISTER,MISC	TYPE	MATERIAL	SIZE	ELECTRICAL RATING	ADDITIONAL DETAIL													
REGLTR,ASSY	TYPE	MATERIAL	SIZE/CONNECTION	RATING	ADDITIONAL DETAIL													
REGULATOR,FILTER	TYPE	BODY MATERIAL	SIZE/CONNECTION	INLET PRESSURE	OUTLET PRESSURE	ADDITIONAL DETAIL												
REGULATOR,MISC	TYPE	MATERIAL	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL													
REGULATOR,PRESSURE	TYPE	BODY MATERIAL	SIZE/CONNECTION	INLET PRESSURE	OUTLET PRESSURE	ADDITIONAL DETAIL												
REGULATOR,VOLTAGE	PHASE	AMPERAGE	INPUT VOLTAGE	OUTPUT VOLTAGE	KVA RATING	ADDITIONAL DETAIL												
REINFORCEMENT,MISC	MATERIAL	ADHESIVE	HOLE SIZE	ADDITIONAL DETAIL														
RELAY,MISC	TYPE	ACTION	COIL VOLTAGE	TERMINAL	MOUNT	ENCLOSURE	CONTACT	CONTACT ARRANGEMENT	CONTACT RATING	ADDITIONAL DETAIL								
RELAY,OVERLOAD	TYPE	ACTION	RESET	COIL VOLTAGE	TERMINAL	MOUNT	ENCLOSURE	CONTACT	CONTACT ARRANGEM	CONTACT RATING	ADDITIONAL DETAIL							
RELAY,PNEUMATIC	TYPE	BODY MATERIAL	INTERNAL COMPONENTS	MOUNT	SIZE/CONNECTION	RANGE	ADDITIONAL DETAIL											
RELAY,SOLID STATE	TYPE	STYLE	TERMINAL	ENCLOSURE	MOUNT	RATING	ADDITIONAL DETAIL											
RELAY,TIME DELAY	OPERATION	TERMINAL	MOUNT	ENCLOSURE	ACTION	CONTACT	COIL VOLTAGE	CONTACT ARRANGEMENT	CONTACT RATING	ADDITIONAL DETAIL								
RELEASE,MISC	TYPE	ADDITIONAL DETAIL																
REMOVER,LAMP	LAMP	HANDLE	ADDITIONAL DETAIL															
REMOVER,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
REMOVER,STAPLE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
REPEATER,MISC	TYPE	FREQUENCY	ADDITIONAL DETAIL															
REPELLENT,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
RESCIPE,MISC	TYPE	ADDITIONAL DETAIL																
RESERVOIR,INK	MATERIAL	COLOR	SIZE	CAPACITY	ADDITIONAL DETAIL													
RESERVOIR,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
RESERVOIR,OIL	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL														
RESIN,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
RESONATOR,MISC	LEADS	FREQUENCY	ADDITIONAL DETAIL															
RESPIRATOR,MISC	TYPE	USE	SIZE	ADDITIONAL DETAIL														
REST,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RESTORER,MISC	TYPE	MATERIAL	THREADS	ADDITIONAL DETAIL														
RESISTOR,FIXED	TYPE	RESISTANCE	TOLERANCE	CONNECTION	WATTAGE	ADDITIONAL DETAIL												
RESISTOR,MISC	TYPE	RESISTANCE	TOLERANCE	CONNECTION	WATTAGE	ADDITIONAL DETAIL												
RESISTOR,NETWORK	RESISTANCE	TOLERANCE	PIN	CASE	RESISTORS	WATTAGE	ADDITIONAL DETAIL											
RESISTOR,VARIABLE	MATERIAL	TOLERANCE	RESISTANCE	CONNECTION	WATTAGE	ADDITIONAL DETAIL												
RESTRICTOR,MISC	TYPE	ADDITIONAL DETAIL																
RESURFACER,MISC	TYPE	GRIT	SIZE	ADDITIONAL DETAIL														
RESUSCITATOR,MISC	TYPE	ADDITIONAL DETAIL																
RETAINER,BEARING	MATERIAL	SIZE	ADDITIONAL DETAIL															
RETAINER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RETRIEVER,CLAW	MATERIAL	OPERATED	SIZE	ADDITIONAL DETAIL														
RETRIEVER,MAGNETIC	TYPE	MATERIAL	PULL	DIAMETER	LENGTH	ADDITIONAL DETAIL												
RETRIEVER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RETRIEVER,SUCTION CUP	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
RETURN,MISC	STYLE	FRAME MATERIAL	FRAME COLOR	TOP MATERIAL	TOP COLOR	SIZE	ADDITIONAL DETAIL											
REWINDER,MISC	TYPE	POWER	SIZE	ADDITIONAL DETAIL														
REFLECTOR,LIGHTING	TYPE	MATERIAL	SHAPE	LAMP WATTAGE	SIZE	ADDITIONAL DETAIL												
REFLECTOR,MARKING	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
REFLECTOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RHEOSTAT,MISC	TYPE	MATERIAL	RESISTANCE	WATTAGE	ADDITIONAL DETAIL													
RIB,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RIB,PACKER GRID	TYPE	MATERIAL	PACKAGE TYPE	ADDITIONAL DETAIL														
RIBBON,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
RIDER,MISC	TYPE	ADDITIONAL DETAIL																
RIFFLER,MISC	TYPE	SHAPE	CUT	LENGTH	ADDITIONAL DETAIL													
RIM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RISER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RIVET,BLIND	TYPE	MATERIAL	HEAD WIDTH	GRIP RANGE	HEAD	DIAMETER	LENGTH	ADDITIONAL DETAIL										
RIVET,MISC	TYPE	MATERIAL	HEAD	HEAD DIAMETER	DIAMETER	LENGTH	ADDITIONAL DETAIL											
RIVETER,MISC	TYPE	RIVET SIZE	ADDITIONAL DETAIL															
ROLLER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,ADJUSTING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,BACK-UP	MATERIAL	SIZE	ADDITIONAL DETAIL															
RING,CENTERING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,FRICTION	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,LANTERN	MATERIAL	SIZE	ADDITIONAL DETAIL															
RING,LOCK	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,LOCATING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,MISC3	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,PISTON	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,RETAINING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,SPACER	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,STOP	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,WEAR	MATERIAL	SIZE	ADDITIONAL DETAIL															
RING,WIPER	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RING,WELDING	TYPE	MATERIAL	SPECIFICATION	NOMINAL SIZE	PIPE/TUBE WALL THICKNESS	SIZE	ADDITIONAL DETAIL											
RING SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL													
RING SET,PISTON	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL														
ROCKER,MISC	TYPE	ADDITIONAL DETAIL																
ROD,ANCHOR	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
ROD,ARMOR	MATERIAL	CONDUCTOR	DIAMETER	LENGTH	ADDITIONAL DETAIL													
ROD,BRAZING	MATERIAL	DIAMETER	LENGTH	CONTAINER	ADDITIONAL DETAIL													
ROD,DRILL	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL														
ROD,GROUND	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
ROD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ROD,POLISH	MATERIAL	THREADS	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL													
ROD,PONY	MATERIAL	GRADE	GUIDE	THREADS	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL											
ROD,SUCKER	MATERIAL	GRADE	GUIDE	THREADS	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL											
ROD,THREADED	MATERIAL	SPECIFICATION	GRADE	PROCESS	THREADS	DIAMETER	LENGTH	WEIGHT	ADDITIONAL DETAIL									
ROD,VALVE	MATERIAL	CONNECTION	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL													
ROD,WELDING	MATERIAL	SPECIFICATION	STORAGE REQUIREMENTS	DIAMETER	LENGTH	ADDITIONAL DETAIL												
ROD END,MISC	TYPE	MATERIAL	CONNECTION	SHANK DIAMETER	LENGTH	ADDITIONAL DETAIL												
ROLL,IDLER	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
ROLL,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													

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ROPE,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
ROPE,SAFETY	MATERIAL	ENDS	STRENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL												
ROPE,WIRE	MATERIAL	STRUCTURE	STRENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL												
ROTARY TABLE,MISC	OPENING	CENTERING SPACING	LOAD RATING	GEAR RATIO	ADDITIONAL DETAIL													
ROTATOR,DRILLING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ROTATOR,MISC	TYPE	ELECTRICAL RATING	SIZE	SPEED	CAPACITY	ADDITIONAL DETAIL												
ROTOR,ASSY	TYPE	ADDITIONAL DETAIL																
ROTOR,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
ROTOR,PUMP	MATERIAL	PUMP STYLE	ADDITIONAL DETAIL															
ROUTER,MISC	POWER	VOLTAGE	AMPERAGE	FREQUENCY	SPEED	ADDITIONAL DETAIL												
RUG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RULE,MISC	TYPE	MATERIAL	GRADUATIONS	SIZE	ADDITIONAL DETAIL													
RULER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
RUNNER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SADDLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SADDLE,PIPE INSULATION	MATERIAL	SIZE	ADDITIONAL DETAIL															
SAFE,MISC	TYPE	MATERIAL	LOCK	SIZE	ADDITIONAL DETAIL													
SAMPLER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
SAND,MISC	MATERIAL	SIZE	CONTAINER	ADDITIONAL DETAIL														
SANDAL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SANDER,ELECTRIC	TYPE	ELECTRICAL RATING	SIZE	SPEED	ADDITIONAL DETAIL													
SANDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SANDER,PNEUMATIC	TYPE	PRESSURE RATING	SIZE	SPEED	ADDITIONAL DETAIL													
SARONG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SAUCER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SAW,HOLE	SIZE	BLADE MATERIAL	ARBOR	TEETH	ADDITIONAL DETAIL													
SAW,MISC	TYPE	MATERIAL	TEETH	SIZE	ADDITIONAL DETAIL													
SAW,POWER	TYPE	STYLE	TEETH	RATING	BLADE SIZE	ADDITIONAL DETAIL												
SAWHORSE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCAFFOLD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCALE,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
SCALE,WEIGH	TYPE	GRADUATIONS	CAPACITY	ADDITIONAL DETAIL														
SCANNER,MISC	TYPE	RATING	ADDITIONAL DETAIL															
SCISSORS,MISC	TYPE	MATERIAL	LENGTH	CUT LENGTH	ADDITIONAL DETAIL													
SCOOP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCOTHLETE,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
SCREW,CAP	MATERIAL	SPECIFICATION	GRADE	HEAD	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL										
SCREW,LAG	MATERIAL	HEAD	POINT	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL											
SCREW,MACHINE	MATERIAL	SPECIFICATION	GRADE	HEAD	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL										
SCREW,MISC	TYPE	MATERIAL	SPECIFICATION	GRADE	HEAD	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL									
SCREW,SELF-TAPPING	MATERIAL	SPECIFICATION	GRADE	HEAD	POINT	DIAMETER	LENGTH	ADDITIONAL DETAIL										
SCREW,SET	MATERIAL	SPECIFICATION	GRADE	HEAD	POINT	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL									
SCREW,SHOULDER	MATERIAL	SPECIFICATION	GRADE	HEAD	THREADS	SHOULDER DIAMETER	SHOULDER LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL								
SCREW,THUMB	MATERIAL	THREADS	HEAD WIDTH	DIAMETER	LENGTH	ADDITIONAL DETAIL												
SCREW,WOOD	MATERIAL	HEAD	DIAMETER	LENGTH	ADDITIONAL DETAIL													
SCRAP,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
SCRAPER,BELT	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCRAPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCRATCHER,HINGE	TYPE	MATERIAL	MINIMUM HOLE DIAMETER	MAXIMUM HOLE DIAMETER	SIZE	LENGTH	ADDITIONAL DETAIL											
SCRATCHER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCREWDRIVER,MISC	TYPE	MATERIAL	HANDLE	TIP	TIP SIZE	SHANK	SHANK LENGTH	LENGTH	ADDITIONAL DETAIL									
SCREWDRIVER,OFFSET	MATERIAL	SHANK	TIP	TIP SIZE	LENGTH	ADDITIONAL DETAIL												
SCREWDRIVER,POWER	TYPE	BIT	RATING	SPEED	ADDITIONAL DETAIL													
SCREWDRIVER SET,MISC	TYPE	MATERIAL	HANDLE	TIP	TIP SIZE	SHANK	SHANK LENGTH	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL							
SCREEN,MISC	TYPE	MATERIAL	MESH SIZE	WIRE DIAMETER	SIZE	ADDITIONAL DETAIL												
SCREW SET,MISC	TYPE	MATERIAL	POINT	HEAD	SIZE	LENGTH	NUMBER OF PIECES	ADDITIONAL DETAIL										
SCRIBER,MISC	TYPE	MATERIAL	HANDLE	POINT SIZE	LENGTH	ADDITIONAL DETAIL												
SCROLL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SCRUBBER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
SECTIONALIZER,MISC	TYPE	PHASE	VOLTAGE	AMPERAGE	MAXIMUM AMPERAGE	ADDITIONAL DETAIL												
SCYTHE,MISC	TYPE	HANDLE MATERIAL	BLADE MATERIAL	SIZE	BLADE LENGTH	ADDITIONAL DETAIL												
SEAL,BASIC	TYPE	HARDWARE MATERIAL	SIZE	ADDITIONAL DETAIL														
SEAL,LABYRINTH	STATIONARY ELEMENT MATERIAL	ROTATING ELEMENT MATERIAL	ELASTOMER MATERIAL	HOUSING BORE	SHAFT DIAMETER	WIDTH	ADDITIONAL DETAIL											
SEAL,MECHANICAL	STATIONARY FACE MATERIAL	ROTATING FACE MATERIAL	HARDWARE MATERIAL	SPRING MATERIAL	SECONDARY SEAL	GASKET MATERIAL	STYLE	DESIGN	ARRANGEMENT	HOUSING BORE	SHAFT/SLEEVE DIAM	ADDITIONAL DETAIL						
SEAL,METER	BODY MATERIAL	LATCH/SEAL MATERIAL	ADDITIONAL DETAIL															
SEAL,MISC2	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SEAL,OIL	TYPE	SEAL MATERIAL	CAGE MATERIAL	INSIDE DIAMETER	OUTSIDE DIAMETER	WIDTH	ADDITIONAL DETAIL											
SEALANT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SEALER,MISC	TYPE	POWER	SEAL SIZE	ADDITIONAL DETAIL														
SEAMER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SEAT,ASSY	TYPE	MATERIAL	ADDITIONAL DETAIL															
SEAT,BOTTOM HOLE PUMP	TYPE	MATERIAL	VALVE SIZE	BALL SIZE	SEAT SIZE	ADDITIONAL DETAIL												
SEAT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SEAT,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	SIZE	ADDITIONAL DETAIL													
SECTION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SEED,MISC	TYPE	ADDITIONAL DETAIL																
SEGMENT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SELECTOR,MISC	TYPE	ADDITIONAL DETAIL																
SENSOR,CONDUCTIVITY	MATERIAL	CELL CONSTANT	CONNECTION	CABLE LENGTH	ADDITIONAL DETAIL													
SENSOR,MISC	TYPE	RATING	RANGE	ADDITIONAL DETAIL														
SEPARATOR,MISC	TYPE	ADDITIONAL DETAIL																
SERVER,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
SET,MISC	TYPE	ADDITIONAL DETAIL																
SETTER,ANCHOR	TYPE	SIZE	ADDITIONAL DETAIL															
SETTER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
SOFTWARE,MISC	TYPE	FORMAT	NAME	ADDITIONAL DETAIL														
SHADE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHANK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHARPENER,MISC	TYPE	ADDITIONAL DETAIL																
SHARPENER,PENCIL	TYPE	COLOR	ADDITIONAL DETAIL															
SHAVER,MISC	TYPE	POWER	ADDITIONAL DETAIL															
SHEARS,ELECTRIC	TYPE	PHASE	FREQUENCY	VOLTAGE	AMPERAGE	SPEED	LENGTH	CAPACITY	ADDITIONAL DETAIL									
SHEARS,METAL CUTTING	TYPE	CUT LENGTH	LENGTH	CAPACITY	ADDITIONAL DETAIL													
SHEARS,MISC	TYPE	CUT LENGTH	LENGTH	ADDITIONAL DETAIL														
SHEARS,PAPER	MATERIAL	CUT LENGTH	LENGTH	ADDITIONAL DETAIL														
SHEATH,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
SHELF,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHELL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHELL,SHOTGUN	GAUGE	SHOT	PELLETS	CASING LENGTH	ADDITIONAL DETAIL													
SHELTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHELVING,MISC	TYPE	DECKING	FRAME	SIZE	ADDITIONAL DETAIL													
SHAFT,CAM	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL														
SHAFT,GEAR	TYPE	MATERIAL	LENGTH	NUMBER OF GEARS	ADDITIONAL DETAIL													
SHAFT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHAFT,PUMP	MATERIAL	SIZE	ADDITIONAL DETAIL															
SHIELD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHIELD,SAFETY EQUIPMENT	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
SHIELD,TUBE	MATERIAL	STYLE	SHIELD RADIUS	THICKNESS	LENGTH	ADDITIONAL DETAIL												
SHIFTER,MISC	TYPE	ADDITIONAL DETAIL																
SHIM,MISC	TYPE	MATERIAL	THICKNESS	SIZE	ADDITIONAL DETAIL													
SHIM SET,MISC	TYPE	MATERIAL	THICKNESS	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
SHIM STOCK,MISC	MATERIAL	THICKNESS	SIZE	ADDITIONAL DETAIL														
SHIRT,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
SHACKLE,MISC	TYPE	MATERIAL	PIN	LOAD RATING	DIAMETER	INSIDE WIDTH	INSIDE LENGTH	ADDITIONAL DETAIL										
SHOE,BEARING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHOE,BRAKE	MODEL	MATERIAL	AXLE	MAKE	YEAR	ADDITIONAL DETAIL												
SHOE,FLOAT	THREADS	CONNECTION	CASING SIZE	ADDITIONAL DETAIL														
SHOE,LADDER	MATERIAL	SIZE	ADDITIONAL DETAIL															
SHOE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHOES,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
SHOES,SAFETY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SHORTS,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
SHOVEL,MISC	TYPE	BLADE MATERIAL	BLADE SIZE	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL												
SHOWER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
SHREDDER,MISC	TYPE	POWER SOURCE	ADDITIONAL DETAIL															
SHROUD,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
SHRUBBERY,MISC	TYPE	SPECIES	SPREAD	HEIGHT	CONTAINER	ADDITIONAL DETAIL												
SHEET,EXPANDED METAL	MATERIAL	OPENING WIDTH	WEIGHT	WIDTH	THICKNESS	LENGTH	ADDITIONAL DETAIL											
SHEET,MISC	MATERIAL	SPECIFICATION	GRADE	PROCESS	WEIGHT	SIZE	ADDITIONAL DETAIL											
SHUNT,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
SHUTTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SIDING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SIEVE,MISC	TYPE	MATERIAL	DIAMETER	OPENING SIZE	ADDITIONAL DETAIL													
SIGN,ELECTRICAL SAFETY	MATERIAL	LAYOUT	DESIGNATION	SIZE	ADDITIONAL DETAIL													
SIGN,EXIT	TYPE	MATERIAL	LAMP TYPE	MOUNT	FACE	BATTERY	LETTER/PLATE COLOR	HOUSING COLOR	ELECTRICAL RATING	ADDITIONAL DETAIL								
SIGN,LETTER/NUMERAL	MATERIAL	LAYOUT	CHARACTER	SIZE	ADDITIONAL DETAIL													
SIGN,MISC	TYPE	MATERIAL	LAYOUT	DESIGNATION	SIZE	ADDITIONAL DETAIL												
SIGNAL,MISC	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL														
SILENCER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															

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SILL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SIMULATOR,MISC	TYPE	ADDITIONAL DETAIL																
SINK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SIPHON,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SIREN,MISC	DECIBEL	POWER SOURCE	ADDITIONAL DETAIL															
SKEWER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SKID,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SKIMMER,MISC	TYPE	SERVICE	ADDITIONAL DETAIL															
SKIRT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SKIRT,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL														
SKIRTBOARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOCKET,ELECTRICAL	TYPE	TERMINAL	VOLTAGE	WATTAGE	ADDITIONAL DETAIL													
SOCKET,METER	TYPE	MATERIAL	STYLE	HUB	GROUNDING LUG	JAWS	POSITION	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL								
SOCKET,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
SOCKET,TOOL	SHANK	HOLE	LENGTH	ADDITIONAL DETAIL														
SOCKET,WRENCH	MATERIAL	STYLE	WELL	DRIVE SIZE	SIZE	ADDITIONAL DETAIL												
SOCKET SET,WRENCH	MATERIAL	STYLE	WELL	DRIVE SIZE	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
SLACK_WAX,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
SLAT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLD,DER,MISC	MATERIAL	CORE	FORM	DIAMETER	ADDITIONAL DETAIL													
SLED,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLIDE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLIDEWIRE,MISC	TYPE	MATERIAL	ELECTRICAL RATING	ADDITIONAL DETAIL														
SLING,CHAIN	TYPE	MATERIAL	DIAMETER	LENGTH	CAPACITY	ADDITIONAL DETAIL												
SLING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLING,WEB	MATERIAL	CONFIGURATION	ENDS	WIDTH	LENGTH	CAPACITY	ADDITIONAL DETAIL											
SLING,WIRE ROPE	MATERIAL	STRUCTURE	DIAMETER	LENGTH	CAPACITY	ADDITIONAL DETAIL												
SLINGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLIP,MISC	TYPE	GROOVE DIRECTION	BODY SIZE	SIZE	ADDITIONAL DETAIL													
SLIPPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLIPPERS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLUG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLEEVE,BEARING	MATERIAL	STYLE	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL												
SLEEVE,LINEMAN	MATERIAL	COLOR	VOLTAGE	ADDITIONAL DETAIL														
SLEEVE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLEEVE,PROTECTIVE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SLEEVE,SHAFT	MATERIAL	SIZE	ADDITIONAL DETAIL															
SLEEVE,TUBE FITTING	MATERIAL	SIZE	ADDITIONAL DETAIL															
SNAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SYNCHROSCOPE,MISC	ELECTRICAL RATING	ADDITIONAL DETAIL																
SANDER-GRINDER,MISC	TYPE	POWER	SPEED	RATING	SIZE	ADDITIONAL DETAIL												
SNPS,METAL CUTTING	TYPE	CAPACITY	CUT LENGTH	LENGTH	ADDITIONAL DETAIL													
SNPS,MISC	TYPE	CUT LENGTH	LENGTH	ADDITIONAL DETAIL														
SNUBBER,MISC	TYPE	ADDITIONAL DETAIL																
SNUBBER,PRESSURE	TYPE	MATERIAL	RATING	SIZE	CONNECTION	LENGTH	ADDITIONAL DETAIL											
SNUG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOCK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOCKOLET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOCKOLET,PIPE	TYPE	MATERIAL	SPECIFICATION	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
SOCKS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SODM_BSFIT,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
SODM_HXD,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
SOFA,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOFTENER,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
SOFTENER,WATER	TYPE	SERVICE FLOW RATE	SIZE	MAXIMUM GRAIN CAPACITY	ADDITIONAL DETAIL													
SOLENOID,MISC	TYPE	COIL VOLTAGE	ADDITIONAL DETAIL															
SOLUTION,EYEWASH	TYPE	CONTAINER	ADDITIONAL DETAIL															
SOLUTION,MISC	TYPE	CONCENTRATION	CONTAINER	ADDITIONAL DETAIL														
SOLVENT,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
SORTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SOURCE,MISC	TYPE	ADDITIONAL DETAIL																
SOUVENIR,MISC	TYPE	ADDITIONAL DETAIL																
SPANNER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPARGER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPATS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPATULA,MISC	TYPE	MATERIAL	BLADE WIDTH	BLADE LENGTH	LENGTH	ADDITIONAL DETAIL												
SPACER,CONDUIT	TYPE	MATERIAL	SPACING	SIZE	ADDITIONAL DETAIL													
SPACER,ELECTRICAL CABLE	MATERIAL	VOLTAGE	DIAMETER RANGE	SPACING	ADDITIONAL DETAIL													
SPACER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPEAKER,MISC	TYPE	RESISTANCE	WATTAGE	SIZE	ADDITIONAL DETAIL													
SPEAR,DRILL	TYPE	SIZE/CONNECTION	PIPE SIZE	ADDITIONAL DETAIL														
SPEAR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPECTROPMTR,MISC	TYPE	ADDITIONAL DETAIL																
SPEEDER,MISC	MATERIAL	SWEEP RADIUS	SHANK DIAMETER	SHANK LENGTH	DRIVE SIZE	LENGTH	ADDITIONAL DETAIL											
SPEEDOMTR,MISC	TYPE	MATERIAL	RANGE	ADDITIONAL DETAIL														
SPIDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPIDOL,MISC	TYPE	MATERIAL	COLOR	ADDITIONAL DETAIL														
SPIKE,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
SPINNER,MISC	DRIVE SIZE	DIAMETER	LENGTH	ADDITIONAL DETAIL														
SPLASHER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPLICE,CABLE TRAY	TYPE	MATERIAL	WIDTH	ADDITIONAL DETAIL														
SPLICE,CONDUCTOR	TYPE	MATERIAL	INSULATION	COLOR	CONNECTION	CONDUCTOR MATERIALS	CONDUCTOR SIZES	ADDITIONAL DETAIL										
SPLICE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPLINE,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
SPLITTER,MISC	TYPE	ADDITIONAL DETAIL																
SPINDLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPONGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPOOL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPOOL,PIPE	MATERIAL	SPECIFICATION	JACKET	LINING	ENDS	RATING	PIPE SIZE	LENGTH	ADDITIONAL DETAIL									
SPOON,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPORT_APPL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPOTLIGHT,MISC	TYPE	COLOR	VOLTAGE	ADDITIONAL DETAIL														
SPOUT,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
SPRAYER,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
SPROCKET,MISC	TYPE	MATERIAL	TEETH	BORE	ROW	PITCH	ROOT DIAMETER	OUTSIDE DIAMETER	CHAIN NUMBER	ADDITIONAL DETAIL								
SPREADER,COAL	MATERIAL	DIRECTION	ADDITIONAL DETAIL															
SPREADER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPRINKLER,FIRE PROTECTION	TYPE	MATERIAL	K-FACTOR	MOUNT	TEMPERATURE RATING	SIZE/CONNECTION	ADDITIONAL DETAIL											
SPRINKLER,MISC	TYPE	COVERAGE	ADDITIONAL DETAIL															
SPRING,COMPRESSION	SIZE	MATERIAL	WIRE SIZE	LENGTH	ADDITIONAL DETAIL													
SPRING,EXTENSION	MATERIAL	ENDS	WIRE SIZE	DIAMETER	LENGTH	ADDITIONAL DETAIL												
SPRING,LEAF	MATERIAL	SIZE	ADDITIONAL DETAIL															
SPRING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SPRING,TORSION	MATERIAL	COILS	WIRE SIZE	WINDING	OUTSIDE DIAMETER	LEG LENGTH	DEGREE LEG	ADDITIONAL DETAIL										
SPRING,VALVE	MATERIAL	COLOR	VALVE SIZE	SIZE	ADDITIONAL DETAIL													
SPRING SET,COMPRESSION	MATERIAL	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
SPRING SET,EXTENSION	MATERIAL	ENDS	DIAMETER	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
SPRING SET,MISC	TYPE	MATERIAL	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
SPRAY,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
SPUD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SQUARE,MISC	TYPE	MATERIAL	GRADUATIONS	SIZE	ADDITIONAL DETAIL													
SQUEEGEE,MISC	TYPE	BLADE MATERIAL	SIZE	HANDLE MATERIAL	HANDLE LENGTH	ADDITIONAL DETAIL												
SQUEZER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SERVICE,MISC	TYPE	ADDITIONAL DETAIL																
STAB,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
STABILIZER,BOILING	FORM	CONTAINER	ADDITIONAL DETAIL															
STABILIZER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STACK,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
STACKER,MISC	TYPE	SIZE	CAPACITY	ADDITIONAL DETAIL														
STAGE,MISC	TYPE	ADDITIONAL DETAIL																
STAKE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STAMP,MISC	TYPE	MATERIAL	CHARACTER HEIGHT	TITLE	ADDITIONAL DETAIL													
STAND,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STANDOFF,MISC	MATERIAL	ENDS	THREADS	SIZE	ADDITIONAL DETAIL													
STAPLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STAPLER,MISC	TYPE	COLOR	STAPLE SIZE	ADDITIONAL DETAIL														
STAPLES,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STATION,MISC	TYPE	ADDITIONAL DETAIL																
STATOR,ELECTRIC MOTOR	POWER	PHASE	FREQUENCY	VOLTAGE	AMPERAGE	SPEED	ADDITIONAL DETAIL											
STATOR,MISC	TYPE	ADDITIONAL DETAIL																
STATOR,PUMP	MATERIAL	PUMP STYLE	ADDITIONAL DETAIL															
STANDARD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STEAMER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STEERING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STEM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STEM,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	DIAMETER	LENGTH	ADDITIONAL DETAIL												
STENCIL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STEP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														

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STEREO,MISC	TYPE	POWER	ADDITIONAL DETAIL															
STETHOSCOPE,MISC	TYPE	PICKUP SIZE	ADDITIONAL DETAIL															
STICK,HOT LINE	TYPE	MATERIAL	END	DIAMETER	LENGTH	ADDITIONAL DETAIL												
STICK,LEVEL	MATERIAL	CROSS-SECTIONAL SIZE	LENGTH	ADDITIONAL DETAIL														
STICK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STIFFENER,MISC	TYPE	ADDITIONAL DETAIL																
STIRRER,MISC	TYPE	POWER SOURCE	STIRRING POSITIONS	ADDITIONAL DETAIL														
STIRRUP,MISC	TYPE	MATERIAL	CONDUCTOR	SIZE	ADDITIONAL DETAIL													
STOPMAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STONE,HONING	ABRASIVE	GRIT	LENGTH	ADDITIONAL DETAIL														
STONE,MISC	TYPE	ABRASIVE	GRIT	SIZE	ADDITIONAL DETAIL													
STONE,SHARPENING	TYPE	GRIT	ABRASIVE	SIZE	ADDITIONAL DETAIL													
STONE,VALVE SEAT	TYPE	ABRASIVE	GRIT	ANGLE	DIAMETER	ADDITIONAL DETAIL												
STOOL,MISC	TYPE	SEAT MATERIAL	HEIGHT	ADDITIONAL DETAIL														
STOP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STOP_CONTCT,MISC	TYPE	POWER	CONTACT	ADDITIONAL DETAIL														
STOPPER,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
STOPPER_LAB,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
STOVE,MISC	TYPE	FUEL SOURCE	SIZE	ADDITIONAL DETAIL														
STARTER,AUTOMOTIVE	DISPLACEMENT	CYLINDER	VOLTAGE	YEAR	ENGINE BRAND	ADDITIONAL DETAIL												
STARTER,ELECTRIC MOTOR	TYPE	ENCLOSURE	POLE	NEMA/IEC	COIL VOLTAGE	CONTACT RATING	ADDITIONAL DETAIL											
STARTER,LAMP	LAMP TYPE	LAMP WATTAGE	VOLTAGE	ADDITIONAL DETAIL														
STARTER,MISC	TYPE	ADDITIONAL DETAIL																
STARTER,SCREW	HOLDING METHOD	TIP	TIP SIZE	LENGTH	ADDITIONAL DETAIL													
STRAINER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRAINER,PIPING	TYPE	MATERIAL	PRESSURE RATING	SIZE	CONNECTION	ADDITIONAL DETAIL												
STRAP,CABLE	MATERIAL	CABLE SIZE	ADDITIONAL DETAIL															
STRAP,CONDUIT	TYPE	MATERIAL	CONDUIT SIZE	ADDITIONAL DETAIL														
STRAP,GROUNDING	TYPE	MATERIAL	ENDS	SIZE	ADDITIONAL DETAIL													
STRAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRAP,PIPE	MATERIAL	PIPE SIZE	SIZE	ADDITIONAL DETAIL														
STRAP,SAFETY	TYPE	MATERIAL	ENDS	STRENGTH	SIZE	ADDITIONAL DETAIL												
STRAP,WRENCH	MATERIAL	LENGTH	ADDITIONAL DETAIL															
STRATCHER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRAW,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRETCHER,MEDICAL	TYPE	MATERIAL	WIDTH	LENGTH	ADDITIONAL DETAIL													
STRETCHER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRIKER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
STRIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRIP,TERMINAL	MATERIAL	TERMINAL	SIZE	ADDITIONAL DETAIL														
STRIP,VALVE	MATERIAL	SIZE	ADDITIONAL DETAIL															
STRIPPER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
STRUCTURE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STRUT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
STUB,MISC	TYPE	ADDITIONAL DETAIL																
STUB,VALVE	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL															
STUB END,MISC	TYPE	MATERIAL	SPECIFICATION	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
STUD,ALL-THREAD	MATERIAL	SPECIFICATION	GRADE	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL											
STUD,DOUBLE ENDED	TYPE	MATERIAL	SPECIFICATION	GRADE	THREADS-A	DIAMETER-A	THREAD LENGTH-A	THREADS-B	DIAMETER-B	THREAD LENGTH-B	LENGTH	ADDITIONAL DETAIL						
STUD,MISC	TYPE	MATERIAL	SPECIFICATION	GRADE	THREAD LENGTH	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL									
STUD,TURBINE	TYPE	MATERIAL	THREADS	THREAD LENGTH	DIAMETER	LENGTH	ADDITIONAL DETAIL											
STYLUS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SUB,MISC	TYPE	MATERIAL	GRADE	PRESSURE RATING	OUTSIDE DIAMETER	CONNECTION	LENGTH	ADDITIONAL DETAIL										
SUB_CROSSOVER	MATERIAL	GRADE	PRESSURE RATING	TOP OD/ID	TOP SIZE/CONNECTION	BOTTOM OD/ID	BOTTOM SIZE/CONNECTION	REDUCED SECTION LENGTH	LENGTH	ADDITIONAL DETAIL								
SUCTION,MISC	TYPE	ADDITIONAL DETAIL																
SUIT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SULFRC_ACID,MISC	TYPE	PURITY	CONTAINER	ADDITIONAL DETAIL														
SULPHUR,MISC	TYPE	FORM	PURITY	CONTAINER	ADDITIONAL DETAIL													
SUSPENSION,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SUSPENSION,SAFETY HAT	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SUSPENSION,WELDING HELMET	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SUPPORT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SUPPRESSOR,MISC	TYPE	MATERIAL	RATING	ADDITIONAL DETAIL														
SUSPENDERS,MISC	TYPE	COLOR	SIZE	ADDITIONAL DETAIL														
SWAB,MISC	TYPE	HANDLE MATERIAL	TIP MATERIAL	TIP DIAMETER	LENGTH	ADDITIONAL DETAIL												
SWATTER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SWEEPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SWITCHGEAR,MISC	TYPE	OPERATING MEDIA	PHASE	CONTINUOUS AMPERAGE	VOLTAGE	BIL RATING	INTERRUPTING CAPACITY	ADDITIONAL DETAIL										
SWITCH,AIRBREAK	POLE	OPERATED	MOUNT	ELECTRICAL RATING	ADDITIONAL DETAIL													
SWITCH,AUXILIARY	TYPE	ACTION	MOUNT	ENCLOSURE	CONTACT ARRANGEMENT	ELECTRICAL RATING	ADDITIONAL DETAIL											
SWITCH,COMBINATION	COLOR	DEVICE 1	DEVICE 1 RATING	DEVICE 2	DEVICE 2 RATING	ADDITIONAL DETAIL												
SWITCH,DISCONNECT	TYPE	OPERATED	ACTION	MOUNT	ELECTRICAL RATING	ADDITIONAL DETAIL												
SWITCH,DISCONNECT, OVERHEAD	TYPE	OPERATED	ACTION	MOUNT	ELECTRICAL RATING	ADDITIONAL DETAIL												
SWITCH,FLOW	MATERIAL	ENCLOSURE	ACTION	ELECTRICAL RATING	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL											
SWITCH,JOYSTICK	CONTACT ARRANGEMENT	POSITION	ADDITIONAL DETAIL															
SWITCH,LIMIT	ACTION	ACTUATOR	ENCLOSURE	CONTACT ARRANGEMENT	ELECTRICAL RATING	ADDITIONAL DETAIL												
SWITCH,LEVEL	STYLE	ENCLOSURE	ACTION	ELECTRICAL RATING	RANGE	ADDITIONAL DETAIL												
SWITCH,MISC	TYPE	ACTION	MOUNT	ENCLOSURE	CONTACT ARRANGEMENT	PHASE	FREQUENCY	VOLTAGE	AMPERAGE	ADDITIONAL DETAIL								
SWITCH,OIL IMMERSED	TYPE	ACTION	CONFIGURATION	ELECTRICAL RATING	ADDITIONAL DETAIL													
SWITCH,PRESSURE	TYPE	ACTION	ENCLOSURE	ELECTRICAL RATING	SIZE/CONNECTION	CONNECTION LOCATION	RANGE	ADDITIONAL DETAIL										
SWITCH,PROXIMITY	TYPE	STYLE	ACTION	MOUNT	CONNECTION	OUTPUT	CABLE	ENCLOSURE	CONTACT ARRANGEM	ELECTRICAL RATING	SIZE	RANGE	ADDITIONAL DETAIL					
SWITCH,PUSHBUTTON	STYLE	DESIGNATION	ACTION	OPERATOR	NEMA RATING	MOUNT	COLOR	CONTACT ARRANGEMENT	ELECTRICAL RATING	ADDITIONAL DETAIL								
SWITCH,SELECTOR	DESIGNATION	ACTION	OPERATOR	OPERATED	POSITION	NEMA RATING	CONTACT ARRANGEMENT	ELECTRICAL RATING	ADDITIONAL DETAIL									
SWITCH,SAFETY	TYPE	ACTION	FUSE	ENCLOSURE	ELECTRICAL RATING	ADDITIONAL DETAIL												
SWITCH,SPEED	CALIBRATION	ELECTRICAL RATING	ADDITIONAL DETAIL															
SWITCH,STEPPING	STEPS	CONTACT ARRANGEMENT	ELECTRICAL RATING	ADDITIONAL DETAIL														
SWITCH, TEMPERATURE	CONTACT ARRANGEMENT	ELECTRICAL RATING	TEMPERATURE RATING	ADDITIONAL DETAIL														
SWITCH,TOGGLE	ACTION	OPERATION	TERMINAL	NEMA RATING	COLOR	CONTACT CONFIGURATION	CONTACT ARRANGEMENT	ELECTRICAL RATING	ADDITIONAL DETAIL									
SWITCH,VIBRATION	TYPE	ACTION	MOUNT	ENCLOSURE	CONTACT ARRANGEMENT	ELECTRICAL RATING	MEASURING RANGE	OUTPUT RANGE	ADDITIONAL DETAIL									
SWIVEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
SYNCHRONIZER,MISC	TYPE	ELECTRICAL RATING	SIZE	ADDITIONAL DETAIL														
SYRINGE,MISC	TYPE	MATERIAL	GRADUATIONS	CAPACITY	ADDITIONAL DETAIL													
TAB,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
TAB,SEAL	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TABUNG,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TACHOMETER,MISC	TYPE	RATING	RANGE	ADDITIONAL DETAIL														
TACK,MISC	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
TACKLE,MISC	TYPE	MATERIAL	LOAD	SIZE	ADDITIONAL DETAIL													
TACKS,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
TAG,MISC	TYPE	MATERIAL	DESIGNATION	COLOR	SIZE	ADDITIONAL DETAIL												
TAG,SAFETY	MATERIAL	DESIGNATION	COLOR	SIZE	ADDITIONAL DETAIL													
TAILSTOCK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TAMPER,MISC	TYPE	STYLE	STROKE	BORE	BLOWS PER MINUTE	LENGTH	ADDITIONAL DETAIL											
TAMPON,MISC	ABSORBENCY	ADDITIONAL DETAIL																
TANK,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
TAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TAP,THREADING	TYPE	MATERIAL	STYLE	FLUTES	THREADS	DIAMETER	LENGTH	ADDITIONAL DETAIL										
TAP & DIE SET,THREADING	TYPE	MATERIAL	DIE SIZE	NUMBER OF DIES	TAP SIZE	NUMBER OF TAPS	CONTAINER	ADDITIONAL DETAIL										
TAP SET,THREADING	TYPE	MATERIAL	STYLE	FLUTES	THREADS	DIAMETER	LENGTH	NUMBER OF PIECES	CONTAINER	ADDITIONAL DETAIL								
TAPE,ELECTRICAL	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
TAPE,EMBOSSING	COLOR	SIZE	ADDITIONAL DETAIL															
TAPE,FISH	MATERIAL	SIZE	ADDITIONAL DETAIL															
TAPE,MEASURING	TYPE	MATERIAL	GRADUATIONS	SIZE	ADDITIONAL DETAIL													
TAPE,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
TAPE,PRINTER	MATERIAL	SIZE	ADDITIONAL DETAIL															
TAPE,RECORDING, MAGNETIC	TYPE	SIZE	ADDITIONAL DETAIL															
TAPE,SAFETY BARRIER	MATERIAL	LAYOUT	DESIGNATION	SIZE	ADDITIONAL DETAIL													
TAPE,TYPE, WRTR	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
TARPET,MISC	TYPE	ADDITIONAL DETAIL																
TARPAULIN,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TUBING,METALLIC	TYPE	MATERIAL	SPECIFICATION	RATING	OUTSIDE DIAMETER	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL										
TUBING,MISC	TYPE	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL													
TUBING,NONMETALLIC	TYPE	MATERIAL	RATING	INSIDE DIAMETER	OUTSIDE DIAMETER	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL										
TUBING,OCTG	STANDARD SPEC	MINIMUM PRODUCT SPECIFICAT	MANUFACTURING PROCESS	SIZE	GRADE	WEIGHT	END CONNECTION	THREAD TYPE	RANGE	ADDITIONAL DETAIL	ADDITIONAL DETAIL							
TUBING,SHRINK	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
TBGS,METALLIC	TYPE	MATERIAL	SPECIFICATION	RATING	OUTSIDE DIAMETER	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL										
TBGS,MISC	TYPE	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL													
TBGS,NONMETALLIC	TYPE	MATERIAL	RATING	INSIDE DIAMETER	OUTSIDE DIAMETER	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL										
TABLE,MISC	TYPE	MATERIAL	TOP SHAPE	SIZE	ADDITIONAL DETAIL													
THERMOCOUPLE,MISC	TYPE	SHEATH MATERIAL	MOUNT	JUNCTION	TEMPERATURE RATING	CONNECTION	SHEATH DIAMETER	WIRE SIZE	DESIGN LENGTH	ADDITIONAL DETAIL								
TEE,FLOW	MATERIAL	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL														
TEE,MISC	TYPE	MATERIAL	CONNECTION	SIZE	ADDITIONAL DETAIL													
TEE,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
TEE,PIPE ADAPTER	MATERIAL	SPECIFICATION	GRADE	RATING	RUN CONNECTION	BRANCH CONNECTION	SIZE	ADDITIONAL DETAIL										
TEE,PIPE ADAPTER, REDUCING	MATERIAL	SPECIFICATION	GRADE	RATING	RUN SIZE	RUN CONNECTION	BRANCH SIZE	BRANCH CONNECTION	ADDITIONAL DETAIL									
TEE,PIPE REDUCING	MATERIAL	SPECIFICATION	GRADE	RATING	RUN SIZE	BRANCH SIZE	CONNECTION	ADDITIONAL DETAIL										
TEE,TRAY	TYPE	MATERIAL	RADIUS	WIDTH	DEPTH	ADDITIONAL DETAIL												
TEE,TUBE	MATERIAL	SIZE	CONNECTION	RATING	ADDITIONAL DETAIL													
TEE,TUBE ADAPTER	MATERIAL	RUN CONNECTION	BRANCH CONNECTION	SIZE	ADDITIONAL DETAIL													

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TEE,TUBE ADAPTER, REDUCING	MATERIAL	RUN SIZE	RUN CONNECTION	BRANCH SIZE	BRANCH CONNECTION	ADDITIONAL DETAIL												
TEE,TUBE REDUCING	MATERIAL	RUN SIZE	BRANCH SIZE	CONNECTION	ADDITIONAL DETAIL													
TEETH,MISC	TYPE	MATERIAL	NUMBER OF TEETH	ADDITIONAL DETAIL														
TELEPHONE,MISC	TYPE	COLOR	LINE	DIAL	DIAL SIGNAL	ADDITIONAL DETAIL												
TELESCOPE,MISC	POWER	LENS DIAMETER	DIAMETER	LENGTH	ADDITIONAL DETAIL													
TEMPERATUR,MISC	TYPE	ADDITIONAL DETAIL																
TEMPLATE,DRAWING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TEMPLATE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TENT,MISC	TYPE	MATERIAL	SIZE	HEIGHT	ADDITIONAL DETAIL													
TERMINAL,MISC	TYPE	ELECTRICAL RATING	ADDITIONAL DETAIL															
TERMINATOR,MISC	TYPE	VOLTAGE	ADDITIONAL DETAIL															
TESTER,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
TIGHTENER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
THE_TAPE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
THERMOS,MISC	TYPE	MATERIAL	CAPACITY	ADDITIONAL DETAIL														
THIMBLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
THINNER,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
THINNER,PAINT	TYPE	CONTAINER	ADDITIONAL DETAIL															
THONGS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
THREADER,MISC	TYPE	DIE SIZE	ADDITIONAL DETAIL															
THREADOLET,MISC	TYPE	MATERIAL	SPECIFICATION	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
THREE _WAY,MISC	TYPE	ADDITIONAL DETAIL																
THRESHOLD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
THERMOMETER,DIAL	MATERIAL	DIAL DIAMETER	SIZE/CONNECTION	CONNECTION LOCATION	STEM LENGTH	RANGE	ADDITIONAL DETAIL											
THERMOMETER,MISC	TYPE	GRADUATIONS	SIZE	RANGE	ADDITIONAL DETAIL													
THERMOSTAT,AUTOMOTIVE	CYLINDER	TEMPERATURE RATING	ENGINE BRAND	ADDITIONAL DETAIL														
THERMOSTAT,MISC	TYPE	ELECTRICAL RATING	RANGE	ADDITIONAL DETAIL														
THERMOWELL,MISC	MATERIAL	SHANK	BORE	SIZE/CONNECTION	INSERTION LENGTH	STEM LENGTH	ADDITIONAL DETAIL											
THERMISTOR,MISC	TYPE	RANGE	ADDITIONAL DETAIL															
THROAT,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
THROTTLE,MISC	TYPE	ADDITIONAL DETAIL																
THROWER,MISC	TYPE	ADDITIONAL DETAIL																
THYRISTOR,MISC	TYPE	AMPERAGE	INDUSTRY STANDARD	ADDITIONAL DETAIL														
TIE,CABLE	TYPE	MATERIAL	STRENGTH	DIAMETER RANGE	WIDTH	LENGTH	ADDITIONAL DETAIL											
TIE,INSULATOR	INSULATOR TYPE	MATERIAL	CONDUCTOR	DIAMETER RANGE	INSULATOR DIAMETER	LENGTH	ADDITIONAL DETAIL											
TIE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TILE,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
TIMER,MISC	TYPE	ELECTRICAL RATING	RANGE	ADDITIONAL DETAIL														
TIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TIP,PEN	TYPE	MATERIAL	ADDITIONAL DETAIL															
TIP,SOLDERING	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TIP,TORCH	TYPE	MATERIAL	FUEL	SIZE	ADDITIONAL DETAIL													
TIPPER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
TIRE,MISC	TYPE	MATERIAL	TREAD STYLE	SIZE	PLY	ADDITIONAL DETAIL												
TISSUE,LENS	MATERIAL	SIZE	CONTAINER	ADDITIONAL DETAIL														
TISSUE,MISC	TYPE	SIZE	CONTAINER	ADDITIONAL DETAIL														
TITRATOR,MISC	TYPE	ADDITIONAL DETAIL																
TOASTER,MISC	TYPE	COLOR	WATTAGE	SIZE	ADDITIONAL DETAIL													
TOILET,MISC	TYPE	MOUNT	COLOR	SEAT/BOWL HEIGHT	RIM	ADDITIONAL DETAIL												
TONER,MISC	TYPE	COLOR	CONTAINER	ADDITIONAL DETAIL														
TONGS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TONGS,WIRE	DIAMETER	LENGTH	WIRE CAPACITY	ADDITIONAL DETAIL														
TONGUE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TOOL,HOT LINE STICK	TYPE	ADDITIONAL DETAIL																
TOOL,MISC	TYPE	POWER	SIZE	ADDITIONAL DETAIL														
TOOTH,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
TOP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TORCH,MISC	TYPE	MATERIAL	HEAD ANGLE	SIZE	LENGTH	ADDITIONAL DETAIL												
TOTALIZER,MISC	TYPE	ADDITIONAL DETAIL																
TOURNIQUET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TOWEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TOWER,MISC	TYPE	MATERIAL	DIAMETER	HEIGHT	ADDITIONAL DETAIL													
TOWER,TRANSMISSION LINE	TYPE	RATING	ADDITIONAL DETAIL															
TRACK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRAILER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
TRAMMEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRANSFER_RL,MISC	TYPE	COLOR	POINT	ADDITIONAL DETAIL														
TRANSIT,MISC	TYPE	POWER	RANGE	ADDITIONAL DETAIL														
TRAP,LINE	TYPE	VOLTAGE	AMPERAGE	CARRIER FREQUENCY	ADDITIONAL DETAIL													
TRAP,MISC	TYPE	MATERIAL	PRESSURE RATING	SIZE	ADDITIONAL DETAIL													
TRAP,STEAM	TYPE	MATERIAL	PRESSURE RATING	SIZE/CONNECTION	ADDITIONAL DETAIL													
TRASH,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
TRAY,CABLE	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRAY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TURBOCHARGER,MISC	TYPE	ADDITIONAL DETAIL																
TREAD,MISC	TYPE	MATERIAL	PATTERN	SIZE	ADDITIONAL DETAIL													
TREE,MISC	TYPE	CALIPER	HEIGHT	CONTAINER	ADDITIONAL DETAIL													
TRIGGER,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
TRIM,LIGHT	TYPE	MATERIAL	LAMP	COLOR	SIZE	ADDITIONAL DETAIL												
TRIM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRIMMER,MISC	TYPE	POWER	SIZE	ADDITIONAL DETAIL														
TRIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRIPOD,MISC	TYPE	STYLE	ADDITIONAL DETAIL															
TRIPPER,MISC	TYPE	ADDITIONAL DETAIL																
TURNBUCKLE,MISC	MATERIAL	TAKEUP	THREADS	ENDS	SHANK DIAMETER	CLOSED LENGTH	ADDITIONAL DETAIL											
TROLLEY,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
TROUGH,METER	MOUNT	HUB SIZE	ELECTRICAL RATING	SIZE	CAPACITY	ADDITIONAL DETAIL												
TROUGH,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TROWEL,MISC	TYPE	MATERIAL	BLADE SIZE	ADDITIONAL DETAIL														
TRUCK,FIRE	TYPE	YEAR	FIRE CLASSES	CREW	LENGTH	WEIGHT	COLOR	ADDITIONAL DETAIL										
TRUCK,HAND	TYPE	MATERIAL	WHEELS	NOSE PLATE	SIZE	CAPACITY	ADDITIONAL DETAIL											
TRUCK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRUNNION,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
T-SHIRT,MISC	TYPE	SIZE	MATERIAL	ADDITIONAL DETAIL														
TUB,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
TUBE,BOILER, BEND	TYPE	MATERIAL	SPECIFICATION	RADIUS	ENDS	OUTSIDE DIAMETER	WALL THICKNESS	ADDITIONAL DETAIL										
TUBE,BOILER, STRAIGHT	MATERIAL	SPECIFICATION	STRUCTURE	ENDS	OUTSIDE DIAMETER	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL										
TUBE,BOURDON	MATERIAL	SIZE/CONNECTION	CONNECTION LOCATION	RANGE	ADDITIONAL DETAIL													
TUBE,CAPILLARY	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL														
TUBE,CATHODE RAY	RESOLUTION	SIZE	ADDITIONAL DETAIL															
TUBE,ELECTRONC	TYPE	ENVELOPE	CONNECTION	INDUSTRY STANDARD	ADDITIONAL DETAIL													
TUBE,LANCE	MATERIAL	LENGTH	ADDITIONAL DETAIL															
TUBE,METERING	MATERIAL	NOMINAL SIZE	LENGTH	ADDITIONAL DETAIL														
TUBE,MISC2	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TUBE,REFRIGERATION	MATERIAL	SPECIFICATION	STRUCTURE	SIZE	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL											
TUBE,STRUCTURAL	MATERIAL	SPECIFICATION	STRUCTURE	SHAPE	SIZE	WALL THICKNESS	LENGTH	ADDITIONAL DETAIL										
TUBE,TIRE	TYPE	MATERIAL	STEM SIZE	SIZE	ADDITIONAL DETAIL													
TUBE,VENTURI	MATERIAL	SPECIFICATION	NOMINAL SIZE	LENGTH	ADDITIONAL DETAIL													
TUMBLER,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
TUNER,MISC	TYPE	FREQUENCY	ADDITIONAL DETAIL															
TURBIDIMETER,MISC	TYPE	POWER SOURCE	RANGE	ADDITIONAL DETAIL														
TURBINE,MISC	TYPE	ADDITIONAL DETAIL																
TURNING,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TURRET,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
TELEVISION,MISC	TYPE	ELECTRICAL RATING	SIZE	ADDITIONAL DETAIL														
TWEEZERS,MISC	TYPE	MATERIAL	LENGTH	ADDITIONAL DETAIL														
TWINE,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
TYPEWRITER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
UMBRELLA,MISC	MATERIAL	DIAMETER	ADDITIONAL DETAIL															
UNDERWEAR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
UNION,CONDUIT	TYPE	MATERIAL	CONNECTION	SIZE	ADDITIONAL DETAIL													
UNION,HAMMER	MATERIAL	SPECIFICATION	GRADE	COLOR	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL										
UNION,MISC	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
UNION,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
UNION,TUBE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL														
UNION,TUBE, BULKHEAD	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL														
UNIT,MISC	TYPE	ADDITIONAL DETAIL																
UNLOADER,MISC	TYPE	ADDITIONAL DETAIL																
URINAL,MISC	TYPE	SIZE	ADDITIONAL DETAIL															
VACUUM CLEANER,MISC	TYPE	POWER SOURCE	CAPACITY	ADDITIONAL DETAIL														
VANE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
VARISTOR,MISC	MATERIAL	VOLTAGE	WATTAGE	ADDITIONAL DETAIL														
VAULT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
V-BELT SET,MISC	TYPE	MATERIAL	SIZE	BELT NUMBER	NUMBER OF PIECES	ADDITIONAL DETAIL												
VENT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
VENT,RELIEF	TYPE	MATERIAL	SIZE/CONNECTION	SET PRESSURE	ADDITIONAL DETAIL													
VENTILATOR,MISC	TYPE	MATERIAL	SIZE	CAPACITY	ADDITIONAL DETAIL													
VESSEL,MISC	TYPE	MATERIAL	RATING	SIZE	CAPACITY	ADDITIONAL DETAIL												
VEST,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													

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VIAL,MISC	TYPE	MATERIAL	CAP	DIAMETER	LENGTH	CAPACITY	ADDITIONAL DETAIL											
VIBRATOR,MISC	TYPE	RATING	ADDITIONAL DETAIL															
VIDEOSCP,MISC	TYPE	CONNECTION	RANGE	ADDITIONAL DETAIL														
VIEWER,MISC	TYPE	ADDITIONAL DETAIL																
VISE,MISC	TYPE	JAW OPENING	JAW WIDTH	CAPACITY	ADDITIONAL DETAIL													
VISOR,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
VALVE,ASSY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
VALVE,BALL	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	PORT	CONFIGURATION	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL						
VALVE,BELLOWS	BODY MATERIAL	SEAT MATERIAL	OPERATED	CONFIGURATION	TEMPERATURE RATING	PRESSURE RATING	INLET SIZE	INLET CONNECTION	OUTLET SIZE	OUTLET CONNECTIO	ADDITIONAL DETAIL							
VALVE,BUTTERFLY	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL								
VALVE,CHECK	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	STYLE	PORT	CONFIGURATION	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL						
VALVE,COMPRESSOR	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	POSITION	SIZE	ADDITIONAL DETAIL											
VALVE,DIAPHRAGM	TYPE	DIAPHRAGM MATERIAL	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL							
VALVE,EXPANSION	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STYLE	REFRIGERANT	CONFIGURATION	TEMPERATURE RATI	SIZE	CONNECTION	CAPILLARY LENGTH	CAPACITY	ADDITIONAL DETAIL				
VALVE,FLOAT	TYPE	FLOAT MATERIAL	BODY MATERIAL	TRIM	SOFTGOODS	SIZE	CONNECTION	FLOAT PRESSURE	ADDITIONAL DETAIL									
VALVE,FLUSH	TYPE	BODY MATERIAL	STYLE	SOLENOID	FLUSH CYCLE	OPERATED	CONNECTION	TIMER RATING	ADDITIONAL DETAIL									
VALVE,GATE	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STEM DESIGN	STYLE	PORT	TEMPERATURE RATI	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL					
VALVE,GLOBE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STEM DESIGN	STYLE	PORT	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL						
VALVE,KELLY	PRESSURE RATING	SIZE/CONNECTION	SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	LENGTH	ADDITIONAL DETAIL											
VALVE,METERING	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STYLE	CONFIGURATION	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL						
VALVE,MISC2	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STYLE	CONFIGURATION	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL						
VALVE,NEEDLE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STYLE	TEMPERATURE RATING	DESIGN RATING	ORIFICE DIAMETER	SIZE	CONNECTION	ADDITIONAL DETAIL							
VALVE,PINCH	TUBE/SLEEVE MATERIAL	BODY/FRAME MATERIAL	OPERATED	PORT	CONFIGURATION	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL									
VALVE,PLUG	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	CONFIGURATION	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL							
VALVE,RELIEF	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	TEMPERATURE RATING	DESIGN RATING	SET PRESSURE	INLET SIZE	INLET CONNECTION	OUTLET SIZE	OUTLET CONNECTIO	ADDITIONAL DETAIL					
VALVE,ROTARY	TYPE	BODY MATERIAL	OPERATED	SOFTGOODS	STYLE	CONFIGURATION	SIZE	CONNECTION	ADDITIONAL DETAIL									
VALVE,SELECTOR	TYPE	BODY MATERIAL	TRIM	SOFTGOODS	OPERATED	STYLE	CONFIGURATION	TEMPERATURE RATING	DESIGN RATING	SIZE	CONNECTION	ADDITIONAL DETAIL						
VALVE,SOLENOID	BODY MATERIAL	ENCLOSURE	COIL	OPERATION	CONFIGURATION	ELECTRICAL RATING	PRESSURE RATING	ORIFICE DIAMETER	PIPE SIZE	CONNECTION	ADDITIONAL DETAIL							
VALVE,SPOOL	BODY MATERIAL	SERVICE	MOUNT	OPERATED	CONFIGURATION	PRESSURE RATING	ORIFICE DIAMETER	PIPE SIZE	CONNECTION	ADDITIONAL DETAIL								
VOLTMETER,MISC	STYLE	READOUT	RANGE	ADDITIONAL DETAIL														
VOLUMTRC,MISC	TYPE	ADDITIONAL DETAIL																
VOTATOR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WADERS,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WAGON,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WALL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WALLET,MISC	TYPE	SIZE	MATERIAL	ADDITIONAL DETAIL														
WAND,MISC	TYPE	MATERIAL	DIAMETER	LENGTH	ADDITIONAL DETAIL													
WASHER,ASSY	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WASHER,BEVEL	MATERIAL	SPECIFICATION	GRADE	INSIDE DIAMETER	OUTSIDE DIAMETER	SMALLEST THICKNESS	LARGEST THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL									
WASHER,BEARING LOCK	INDUSTRY STANDARD	ADDITIONAL DETAIL																
WASHER,CONDUIT REDUCING	TYPE	MATERIAL	OUTSIDE DIAMETER	THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL												
WASHER,FLAT	MATERIAL	SPECIFICATION	GRADE	INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL										
WASHER,LOCK	TYPE	MATERIAL	SPECIFICATION	GRADE	INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL									
WASHER,MISC	TYPE	MATERIAL	SPECIFICATION	GRADE	INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL									
WASHER,PRESSURE CLEANING	TYPE	DRIVER	PRESSURE RATING	FLOW RATE	ADDITIONAL DETAIL													
WASHER,SEALING	MATERIAL	INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL												
WASHER,SHOULDER	MATERIAL	COLOR	BARREL OUTSIDE DIAMETER	WASHER OUTSIDE DIAMETER	SCREW SIZE	BARREL LENGTH	ADDITIONAL DETAIL											
WASHER,TAB	TYPE	MATERIAL	INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS	NOMINAL SIZE	ADDITIONAL DETAIL											
WATCH,MISC	TYPE	READOUT	BAND	ADDITIONAL DETAIL														
WATTMETER,MISC	STYLE	READOUT	RANGE	ADDITIONAL DETAIL														
WAX,MISC	TYPE	FORM	CONTAINER	ADDITIONAL DETAIL														
WINDBREAKER,MISC	TYPE	MATERIAL	COLOR	SIZE	ADDITIONAL DETAIL													
WEARBACK,MISC	STYLE	PIPE SIZE	ADDITIONAL DETAIL															
WEARPACK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WEBBING,MISC	MATERIAL	SIZE	ADDITIONAL DETAIL															
WEDGE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WEDGE,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL														
WEIGHT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WELDER,MISC	TYPE	POWER SOURCE	OUTPUT AMPERAGE	ADDITIONAL DETAIL														
WELDMENT,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WELDOLET,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WELDOLET,PIPE	TYPE	MATERIAL	SPECIFICATION	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
WELL_BUSHING	RATING	SHANK LENGTH	ADDITIONAL DETAIL															
WELL,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
WELLHEAD,MISC	TYPE	SERVICE	X-MAS TREE	RATING	CASING SIZE	TUBING SIZE	TUBING CONNECTION	ADDITIONAL DETAIL										
WHIP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WHIPCHECK,MISC	TYPE	MATERIAL	HOSE SIZE	CABLE SIZE	ADDITIONAL DETAIL													
WHISTLE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WHITEBRD,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WHEEL,CUTOFF	ARBOR	ABRASIVE	GRIT	BOND/BACKING	SPEED	DIAMETER	THICKNESS	ADDITIONAL DETAIL										
WHEEL,CUTTER	TYPE	MATERIAL	ARBOR	DIAMETER	THICKNESS	ADDITIONAL DETAIL												
WHEEL,FLAP	MATERIAL	MOUNT	GRIT	DIAMETER	FACE WIDTH	ADDITIONAL DETAIL												
WHEEL,GRINDING	ABRASIVE	GRIT	ARBOR	SHAPE	BOND/BACKING	SPEED	DIAMETER	THICKNESS	ADDITIONAL DETAIL									
WHEEL,MEASURING	WHEEL STYLE	GRADUATIONS	WHEEL CIRCUMFERENCE	LENGTH	MEASURING CAPACITY	ADDITIONAL DETAIL												
WHEEL,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WHEEL,MOUNTED POINT	MATERIAL	GRIT	SPINDLE	SHAPE	SPEED	SIZE	ADDITIONAL DETAIL											
WHEEL,WIRE	TYPE	MATERIAL	ARBOR	SPEED	WIRE SIZE	DIAMETER	THICKNESS	ADDITIONAL DETAIL										
WHEEL SET,GRINDING	ABRASIVE	GRIT	ARBOR	SHAPE	BOND/BACKING	SPEED	DIAMETER	THICKNESS	NUMBER OF PIECES	ADDITIONAL DETAIL								
WHEEL SET,MISC	TYPE	MATERIAL	SIZE	NUMBER OF PIECES	ADDITIONAL DETAIL													
WHEELBARROW,MISC	TRAY MATERIAL	CAPACITY	ADDITIONAL DETAIL															
WICK,LUBRICATING	MATERIAL	SIZE	ADDITIONAL DETAIL															
WICK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WINCH,MISC	TYPE	CAPACITY	ADDITIONAL DETAIL															
WINDER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WINDOW,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WINDOW,SIGHT	RIM MATERIAL	RATING	SIZE/CONNECTION	ADDITIONAL DETAIL														
WIPE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WIPER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WIPER,PIPE	TYPE	MATERIAL	STYLE	SIZE	ADDITIONAL DETAIL													
WIRE/CABLE,ELECTRICAL	TYPE	CONDUCTOR MATERIAL	STRUCTURE	CONDUCTOR INSULATION	COVERING	COLOR	RATING	CONDUCTOR SIZE	NUMBER OF CONDU	ADDITIONAL DETAIL								
WIRE/CABLE,ELECTRICAL_BARE	TYPE	CONDUCTOR MATERIAL	STRUCTURE	CONDUCTOR SIZE	ADDITIONAL DETAIL													
WIRE/CABLE,MISC	CONDUCTOR MATERIAL	CONDUCTOR SIZE	ADDITIONAL DETAIL															
WIRE,FUSE	MATERIAL	AMPERAGE	DIAMETER	ADDITIONAL DETAIL														
WIRE,GUY	MATERIAL	STRAND	STRENGTH	DIAMETER	ADDITIONAL DETAIL													
WIRE,IGNITION	CONDUCTOR	RATING	SIZE	ADDITIONAL DETAIL														
WIRE,LOCK	MATERIAL	DIAMETER	ADDITIONAL DETAIL															
WIRE,MISC	TYPE	MATERIAL	STRUCTURE	SIZE	LENGTH	ADDITIONAL DETAIL												
WIRE,WELDING	MATERIAL	SPECIFICATION	DIAMETER	FORM	ADDITIONAL DETAIL													
WIREHOLDER,MISC	MOUNT	HOLE SIZE	ADDITIONAL DETAIL															
WIREWAY,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WOOD,MISC	TYPE	CLASS	SIZE	ADDITIONAL DETAIL														
WOOL,MISC	MATERIAL	ADDITIONAL DETAIL																
WOOL,STEEL	TYPE	GRADE	SIZE	ADDITIONAL DETAIL														
WRAP,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
WRINGER,MISC	TYPE	ADDITIONAL DETAIL																
WORM,MISC	MATERIAL	HAND	CONNECTION	PITCH DIAMETER	ADDITIONAL DETAIL													
WRENCH,ADJUSTABLE	MATERIAL	LENGTH	JAW CAPACITY	ADDITIONAL DETAIL														
WRENCH,ALLEN	MATERIAL	SHAPE	SIZE	LENGTH	ADDITIONAL DETAIL													
WRENCH,BOX END	TYPE	MATERIAL	STYLE	SIZE	LENGTH	ADDITIONAL DETAIL												
WRENCH,CHAIN	TYPE	LENGTH	CAPACITY	ADDITIONAL DETAIL														
WRENCH,COMBINATION	MATERIAL	STYLE	HEAD A	HEAD A SIZE	HEAD B	HEAD B SIZE	LENGTH	ADDITIONAL DETAIL										
WRENCH,CROWFOOT	TYPE	MATERIAL	STYLE	DRIVE SIZE	SIZE	ADDITIONAL DETAIL												
WRENCH,IMPACT	POWER SOURCE	TORQUE	SPEED	DRIVE SIZE	ADDITIONAL DETAIL													
WRENCH,MISC	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
WRENCH,OPEN END	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
WRENCH,PIPE	TYPE	MATERIAL	LENGTH	CAPACITY	ADDITIONAL DETAIL													
WRENCH,RATCHETING BOX END	MATERIAL	STYLE	SIZE	LENGTH	ADDITIONAL DETAIL													
WRENCH,RATCHET	MATERIAL	DRIVE SIZE	LENGTH	ADDITIONAL DETAIL														
WRENCH,SOCKET	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
WRENCH,SPANNER	TYPE	MATERIAL	SIZE	LENGTH	ADDITIONAL DETAIL													
WRENCH,SPUD	TYPE	MATERIAL	HEAD SIZE	HEAD THICKNESS	LENGTH	ADDITIONAL DETAIL												
WRENCH,STRIKING	MATERIAL	HANDLE	STYLE	SIZE	LENGTH	ADDITIONAL DETAIL												
WRENCH,TAP	TYPE	MATERIAL	HANDLE	TAP SIZE	BODY LENGTH	ADDITIONAL DETAIL												
WRENCH,TORQUE	GRADUATIONS	INDICATOR	DRIVE SIZE	RATING	LENGTH	ADDITIONAL DETAIL												
WRENCH SET,ADJUSTABLE	MATERIAL	LENGTH	JAW CAPACITY	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL												
WRENCH SET,ALLEN	MATERIAL	SHAPE	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
WRENCH SET,BOX END	TYPE	MATERIAL	STYLE	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
WRENCH SET,COMBINATION	TYPE	MATERIAL	STYLE	BOX SIZE	OPEN SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
WRENCH SET,CROWFOOT	TYPE	MATERIAL	STYLE	DRIVE SIZE	SIZE	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL										
WRENCH SET,MISC	TYPE	MATERIAL	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
WRENCH SET,OPEN END	TYPE	MATERIAL	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
WRENCH SET,RATCHETING BOX END	MATERIAL	STYLE	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
WRENCH SET,SPANNER	TYPE	MATERIAL	SIZE	LENGTH	CONTAINER	NUMBER OF PIECES	ADDITIONAL DETAIL											
WATER,MISC	TYPE	CONTAINER	ADDITIONAL DETAIL															
WTR_TORN,MISC	TYPE	ADDITIONAL DETAIL																
WYE,MISC	TYPE	MATERIAL	SIZE	CONNECTION	ADDITIONAL DETAIL													
WYE,PIPE	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
WYE,PIPE REDUCING	MATERIAL	SPECIFICATION	GRADE	RATING	SIZE	CONNECTION	ADDITIONAL DETAIL											
CROSSARM,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														

CROSSARM,POLE	MATERIAL	PROCESS	CROSS-SECTIONAL SIZE	LENGTH	ADDITIONAL DETAIL													
CROSSBAR,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
XCEIVER,MISC	TYPE	ADDITIONAL DETAIL																
TRANSDUCER,MISC	TYPE	POWER SOURCE	INPUT RANGE	OUTPUT RANGE	ADDITIONAL DETAIL													
TRANSFORMER,IGNITION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CURRENT RATING	ADDITIONAL DETAIL														
TRANSFORMER,INSTRUMENT	TYPE	LOCATION	VOLTAGE	RATIO	ADDITIONAL DETAIL													
TRANSFORMER,MISC	TYPE	TAPS	PHASE	FREQUENCY	VOLTAGE	KVA RATING	ADDITIONAL DETAIL											
TRANSFORMER,OVERHEAD	TYPE	MOUNT	TAPS	PHASE	FREQUENCY	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA RATING	ADDITIONAL DETAIL									
TRANSFORMER,PAD MOUNT	TAPS	STYLE	COOLING	PHASE	FREQUENCY	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA RATING	ADDITIONAL DETAIL									
TRANSFORMER,SUBMERSIBLE	TAPS	STYLE	COOLING	PHASE	FREQUENCY	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA RATING	ADDITIONAL DETAIL									
TRANSFORMER,VARIABLE	PHASE	FREQUENCY	INPUT VOLTAGE	OUTPUT VOLTAGE	INPUT CURRENT	OUTPUT CURRENT	ADDITIONAL DETAIL											
CROSSHEAD,MISC	TYPE	MATERIAL	ADDITIONAL DETAIL															
TRANSLATOR,MISC	TYPE	FREQUENCY	ADDITIONAL DETAIL															
XMAS TREE,MISC	TYPE	SERVICE	BORE SIZE	BOTTOM SIZE/CONNECTION	WORKING PRESSURE	ADDITIONAL DETAIL												
TRANSMISSION,MISC	TYPE	GEAR RATIO	ADDITIONAL DETAIL															
TRANSMITTER,DIFFERENTIAL PRESSURE	INPUT RANGE	OUTPUT RANGE	SIZE/CONNECTION	SUPPLY RATING	WORKING PRESSURE	ADDITIONAL DETAIL												
TRANSMITTER,LIGHT CURTAIN	BEAM SPACING	PROTECTIVE HEIGHT	RANGE	ADDITIONAL DETAIL														
TRANSMITTER,LIQUID LEVEL	INPUT RANGE	OUTPUT RANGE	SIZE/CONNECTION	SUPPLY RATING	ADDITIONAL DETAIL													
TRANSMITTER,MISC	TYPE	INPUT RANGE	OUTPUT RANGE	SUPPLY RATING	ADDITIONAL DETAIL													
TRANSMITTER,PRESSURE	INPUT RANGE	OUTPUT RANGE	SIZE/CONNECTION	SUPPLY RATING	ADDITIONAL DETAIL													
TRANSMITTER,TEMPERATURE	INPUT RANGE	OUTPUT RANGE	SUPPLY RATING	ADDITIONAL DETAIL														
TRANSMITTER,TONE	FREQUENCY	ADDITIONAL DETAIL																
CROSSOVER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRANSISTOR,MISC	TYPE	CONFIGURATION	INDUSTRY STANDARD	ADDITIONAL DETAIL														
YARDSTICK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
YOKE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
YOKE,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL														
YORK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ZINC,MISC	TYPE	ADDITIONAL DETAIL																
TRANSMITTER,TONE	FREQUENCY	ADDITIONAL DETAIL																
CROSSOVER,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
TRANSISTOR,MISC	TYPE	CONFIGURATION	INDUSTRY STANDARD	ADDITIONAL DETAIL														
YARDSTICK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
YOKE,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
YOKE,VALVE	MATERIAL	VALVE STYLE	VALVE SIZE	ADDITIONAL DETAIL														
YORK,MISC	TYPE	MATERIAL	SIZE	ADDITIONAL DETAIL														
ZINC,MISC	TYPE	ADDITIONAL DETAIL																

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Attachment 7 - Preventive Maintenance Task List Template

Max Char	8	8	2	26	8	4	3	3
	Initial			Header				
No	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8
	Equipment Number*	Group of General Task List*	Group Counter*	Description*	Work Center	Planning Plan*	Usage*	Planner Group*
A	Equipment Tasklist							
1	PT009321		1	PM RT :PT,FOC I/PT009321	PEM1-INS	R501	4	SER

Max Char	3	1	4		4	4	8	4	4	40
				No	Operation					
	Field 9	Field 10	Field 11		Field 12	Field 13	Field 14	Field 15	Field 16	Field 17
	Status*	System Condition*	Maintenance Strategy*		Operation*	Sub Operation*	Work Center	Plant*	Control Key	Operation Description*
				A	Equipment Tasklist					
	2	1	PTB	1	0010			R501	INT	PM-Y1:KALIBRASI DIFF.PRESS TRANSMITTER
					0010	0010		R501	INT1	Tutup Tapping Point.
					0010	0020		R501	INT1	Tutup Bypass Manifold Valve
					0010	0030		R501	INT1	Buang Tekanan Lewat Drain di Transmitter
					0010	0040		R501	INT1	Buka Penutup Transmitter,lepaskan Kabel
					0010	0050		R501	INT1	Pasang Meter, Penunjukan Harus 4ma
					0010	0060		R501	INT1	Bila Menyimpang Atur Zero Adjuster
					0010	0070		R501	INT1	Tekan pada Sisi High Sesuai Range
					0010	0080		R501	INT1	Meter Harus Menunjukan 20ma
					0010	0090		R501	INT1	Bila Menyimpang Atur Span Adjuster
					0010	0100		R501	INT1	ada Indikasi Rusak, Ganti Sensor Module
					0010	0110		R501	INT1	Pasang Kembali Cabel Power.
					0010	0120		R501	INT1	Tutup Drain Body Transmitter
					0010	0130		R501	INT1	Buka Tapping Point Transmitter
					0010	0140		R501	INT1	Buka Manifold Valve Untuk Dioperasikan
					0010	0150		R501	INT1	Tutup Cover Housing Transmitter

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9	3	3	6	3	3	10	9	3	4	18	40	2	2	2	2	2
						Operation										
Field 18	Field 19	Field 20	Field 21	Field 22	Field 23	Field 24	Field 25	Field 26	Field 27	Field 28	Field 29	Field 30	Field 31	Field 32	Field 33	Field 34
Work*	Unit Of Work*	Number of capacities required*	Normal duration*	Normal duration unit*	Calculation Key*	Cost Element	Material Group	Purchasing Group	Item	PRT (EQP)	First line of text for production resources/tools	Pkg 1*	Pkg 2	Pkg 3	Pkg 4	Pkg 5
145	MIN	2	73	MIN	2							Y1				
	MIN	1	3	MIN	2											
	MIN	2	3	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	10	MIN	2											
	MIN	2	5	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	20	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	3	MIN	2											
	MIN	1	3	MIN	2											
	MIN	2	5	MIN	2											
	MIN	1	3	MIN	2											

Max Char	8	8	2	4	4	8	4	4
No	Initial			Material				
	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8
	Equipment Number*	Group of General Task List*	Group Counter*	Operation	Sub Operation	Material	Quantity	Unit
B	Task List Components							
1	PT009321		2	0010				
				0010	0010	-	-	PCS
				0010	0020	-	-	PCS
				0010	0030	-	-	PCS
				0010	0040	-	-	PCS
				0010	0050	-	-	PCS
				0010	0060	-	-	PCS
				0010	0070	-	-	PCS
					0080	-	-	PCS
					0090	-	-	PCS
					0100	-	-	PCS
					0110	-	-	PCS
					0120	-	-	PCS
					0130	-	-	PCS
					0140	-	-	PCS
					0150	-	-	PCS

Legend

by PERTAMINA

by EPC

* Mandatory

Non Mandatory

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Attachment 8 – Split of Scope Responsibility Task List

a. Equipment Task List

No	Field	Max Character Input	Split of Scope		Remarks
			Contractor	Owner	
1	Equipment Number* (See Note 4)	8	√		Mandatory
2	Group of General Task List* (See Note 4)	8	√		Mandatory
3	Group Counter*	2	√		Mandatory
4	Description*	26	√		Mandatory
5	Work Center	8		√	
6	Planning Plan*	4		√	Mandatory
7	Usage*	3		√	Mandatory
8	Planner Group*	3		√	Mandatory
9	Status*	3		√	Mandatory
10	System Condition*	1		√	Mandatory
11	Maintenance Strategy*	4	√		Mandatory
12	Operation*	4	√		Mandatory
13	Sub Operation*	4	√		Mandatory
14	Work Center	8		√	
15	Plant*	4	√		Mandatory
16	Control Key	4		√	
17	Operation Description*	40	√		Mandatory
18	Work*	9	√		Mandatory
19	Unit of Work*	3	√		Mandatory
20	Number of capacities required*	3	√		Mandatory
21	Normal duration*	6	√		Mandatory
22	Normal duration unit*	3	√		Mandatory
23	Calculation Key*	3	√		Mandatory
24	Cost Element	10		√	
25	Material Group	9		√	
26	Purchasing Group	3		√	
27	Item	4		√	
28	PRT (EQP)	18		√	
29	First line of text for production resources/tools	40		√	
30	Pkg 1*	2	√		Mandatory
31	Pkg 2	2	√		
32	Pkg 3	2	√		
33	Pkg 4	2	√		
34	Pkg 5	2	√		

Note:

* is mandatory

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b. Task List Component Responsibility

No	Field	Max Character Input	Split of Scope		Remarks
			Contractor	Owner	
1	Equipment Number*	8	√		Mandatory
2	Group of General Task List*	8	√		Mandatory
3	Group Counter*	2	√		Mandatory
4	Operation	4	√		
5	Sub Operation	4	√		
6	Material	8	√		
7	Quantity	4	√		
8	Unit	4	√		

Note:
* is mandatory

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Attachment 9 - Risk Assessment Matrix

PROBABILITY CLASS		RBI	SIFpro	RMC	RRM CRITICALITY CLASS				
	D	HIGH	0 - 0.5y	0 - 0.5y	L	MH	H	E	E
	C	MEDIUM	0.5 - 4y	0.5 - 4y	L	MH	MH	H	E
	B	LOW	4 - 30y	4 - 30y	N	L	M	MH	H
	A	NEGK.	> 30y	> 30y	N	N	L	M	MH
CONSEQUENCE CATEGORY		ECONOMICS (USD) Code : A (Asset)			No/ Slight damage (<10k)	Minor Damage (10 - 100k)	Local Damage (0.1 - 1M)	Major Damage (1 - 10M)	Extensive Damage (> 10M)
		HEALTH & SAFETY Code : S (Safety)			No/ Slight injury	Minor Injury	Minor Injury	Single Fatality	Multiple Fatalities
		ENVIRONMENT Code : E (Env)			No/ Slight effect	Minor Effect	Local Effect	Major Effect	Massive Effect
CONSEQUENCE CLASS					NEGLIGIBLE 1	LOW 2	MEDIUM 3	HIGH 4	EXTREME 5

Identified credible way of failure	Possible Interventions or countermeasure
E	Aggressive Maintenance + Redesign
H	Aggressive Maibntenance (+ MaybeRedesign)
MH	Aggressive Maintenance
M	Aggressive Maintenance
L	Low Maintenance (or Run-to-Failure)
N	No Maintenance (Run-to-Failure)

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