

The database on Graphical Symbols for Use on Equipment contains the complete set of graphical symbols included in IEC 60417 and ISO 7000. It therefore offers end-users a "one-stop" shop for all such graphical symbols. These International Standards are maintained respectively by IEC/TC 3, subcommittee SC 3C and ISO/TC 145, subcommittee SC 3.

Each graphical symbol is identified by a reference number and contains a title (in English and French), a graphical representation in GIF and vectorized PDF format, and some additional data as applicable. Various search and navigation facilities allow for easy retrieval of graphical symbols.

#### Subscriptions

Customers have the possibility to subscribe to the joint IEC and ISO collection of symbols or to each respective organization's symbols only.

#### Joint IEC 60417 and ISO 7000 collection

The most cost effective solution is the combined collection which offers the IEC 60417 and ISO 7000 collections in database format, with the possibility to download IEC 60417 snapshots or the ISO 7000 standard in PDF format. In order to subscribe please contact your local IEC National Committee/approved sales outlet or local ISO member, or visit the IEC Webstore or the ISO Store.

#### IEC 60417 collection only

If you are only interested in those graphical symbols produced by the IEC, then this restricted collection offers you access to the IEC 60417 standard only, with PDF snapshots of the entire collection available for added value. In order to subscribe please contact your local IEC National Committee/approved sales outlet or visit the IEC Webstore.

#### ISO 7000 collection only

If you are only interested in those graphical symbols produced by ISO, then this restricted collection offers you access to the ISO 7000 standard only, with a PDF version of ISO 7000 available for added value. In order to subscribe please contact your local ISO member or visit the ISO Store.

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TC/SC officers should indicate their position with respect to a given TC/SC (chair, secretary, convenor) and the username used for accessing documents on the IEC or ISO web site respectively.

#### Localized versions

In addition to the international standard IEC 60417 maintained by IEC/TC 3, subcommittee SC 3C, IEC also hosts localized versions of IEC 60417 maintained under the responsibility of the respective National Committee. The following localized version is currently available:

#### Japanese

#### **Queries and comments**

Please send any queries or comments to the IEC Customer Service Centre or to ISO Customer Services.

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## International Electrotechnical

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# Standardization Graphical Symbols for Use on Equipment

### Logout

bnails Grid Full

Home Introduction General description

Symbols by:

Symbol ID Name (IEC 60417)

Name (ISO 7000)

Keywords

Shape

Function

Application

TC/SC

Publication

Status

Date of release

Advanced Search

Snapshots (PDF) Print overview

Contact

Maintenance:

CR for action

CR by status

CR by number

Lists

Keywords

New symbol

New CR

New list item

Report: IEC CRs

Report: IEC Symbols

Report: ISO CRs

Report: ISO Symbols

Introduction

The database is organized as a set of "data sheets" describing the graphical symbols and their attributes. Please click on "General description" on the left panel to see how the database is structured and how to use graphical symbols.

IEC 60417 is used as a reference by the following IEC member countries:

Austria, Belgium, Canada, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Ireland, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom

### Languages

The database is bilingual with all symbol data available in English and French (not always true for ISO 7000 graphical symbols). While viewing a symbol data sheet you can switch back and forth between the two languages.

#### Links

All items in blue represent links to other elements or to specific action.

### Finding a symbol

The database provides two methods for finding a symbol:

1. Search function (top right of each page)

You can combine two search terms with a boolean "AND", "OR" or "NOT" operator.

2. Categorized views

Symbols are categorized by symbol ID, name, keyword, shape, function, application, TC/SC, publication and status. Some of the views are presently not available for ISO 7000 graphical symbols.

### **Snapshots**

Snapshots of the database contents are made available for reference purposes in PDF format. Please click on "Snapshots" in the left panel for further information.

### Submitting proposals for change requests

The maintenance process for any changes to this joint IEC 60417 and ISO 7000 database, either for the inclusion of a new graphical symbol or a change to existing graphical symbols should be initiated by a change request (CR). Details are defined in the ISO/IEC Directives (IEC specific procedures, Annex SL for IEC 60417 symbols, and ISO specific procedures, Annex ST for ISO 7000 symbols).

In drafting technical content that may be included in the CR, please refer to IEC 80416-1, *Basic principles for graphical symbols for use on equipment* – Part 1: *Creation of graphical symbols for registration* and ISO 80416-2: *Basic principles for graphical symbols for use on equipment* – Part 2: *Form and use of arrows*. The most recent guidance for the wording of the description for a symbol original can be found on both the IEC TC 3/SC 3C and ISO TC 145/SC 3 website.

Proposers of such change requests can <u>click here</u> to send an e-mail to the secretaries of IEC SC 3C and ISO TC 145/SC 3 who are responsible for the maintenance of IEC 60417 and ISO 7000, respectively.



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#### Contact

Maintenance:

CR for action CR by status CR by number Lists Keywords New symbol New CR New list item Report: IEC CRs Report: IEC Symbols Report: ISO CRs

Report: ISO Symbols

Logout

Grid Full

bnails

### **General description**

A graphical symbol is a visually perceptible figure used to transmit information independently of language. The graphical symbols for use on equipment are used for a wide range of purposes. For such graphical symbols, consistency in design of families of symbols used in one location or on similar equipment is an important issue, as is legibility when these symbols are reduced to small dimensions. Thus, there have been common provisions among areas covered by IEC and ISO on basic principles for graphical symbols for use on equipment to ensure visual clarity, to maintain consistency and thereby to improve recognition (see IEC 80416-1 and ISO 80416-2).

#### Scope

IEC 60417 graphical symbols are primarily intended to:

- identify the equipment or a part of the equipment (e.g. a control or display);
- indicate a functional state (e.g. on, off, alarm);
- designate connections (e.g. terminals, filling points for materials);
- provide information on packaging (e.g. identification of contents, instructions for handling);
- provide instruction for the operation of the equipment (e.g. limitations of use).

IEC 60417 does not apply to symbol originals for:

- safety signs;
- use on drawings and diagrams;
- use in technical documentation of products and in technical product documentation;
- use for public information.

IEC 60417 has the status of a horizontal standard in accordance with IEC Guide 108.

ISO 7000 provides a synopsis of those graphical symbols which are placed on equipment or parts of equipment of any kind in order to instruct the person(s) using the equipment as to its operation.

### Structure of the database

Each graphical symbol carries a registration number (symbol ID) and a name in English and French, together with a graphical representation in GIF or PNG and in vectorized PDF format. There are also several optional fields. Below is a full listing of all the database fields. Some of them do not apply presently to ISO 7000 graphical symbols.

- Symbol ID
- Name
- Graphical representation in GIF or PNG format
- Graphical representation in vectorized PDF format
- Status
  - Product area
  - Description
- Notes
- Date of release
- Date of withdrawal
- Example of application class
- Function class
- Shape classKeywords
- Publication reference
- Relevant TCs and publications
- Replacing
- Replaced by
- Change requests

### How to use released graphical symbols

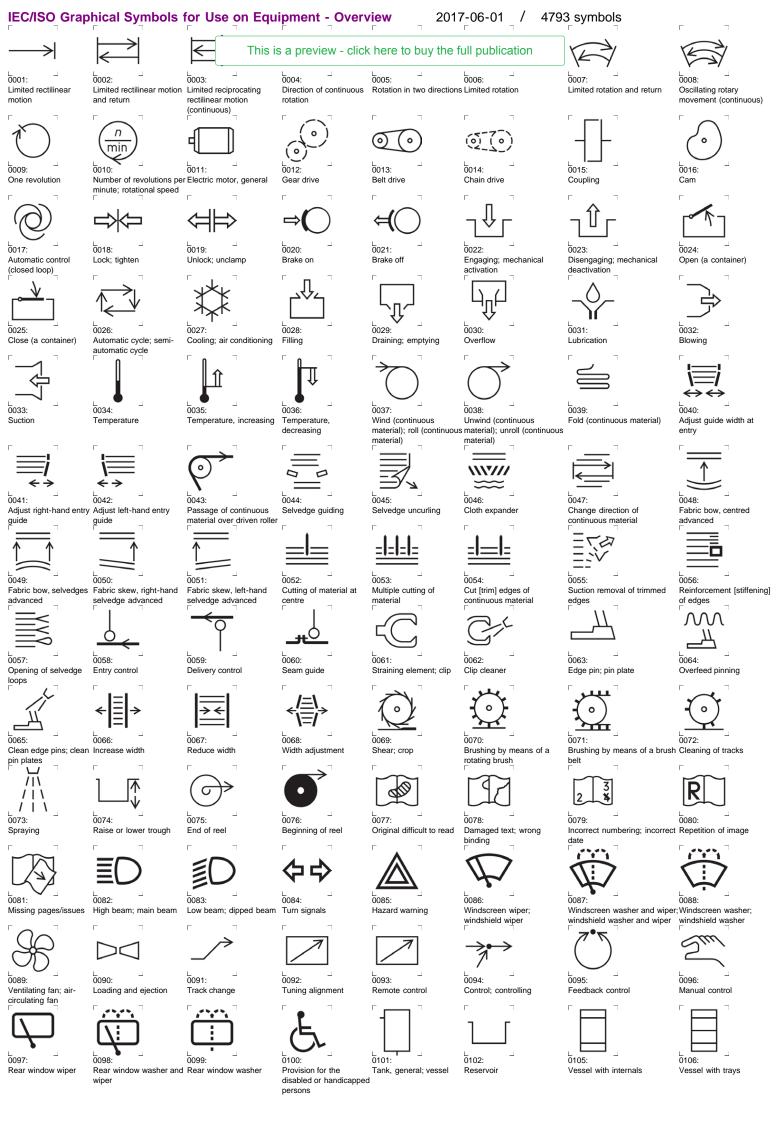
The graphical symbols are intended for use on equipment; generally speaking any kind of equipment. The field "Example of application class" can be used to indicate more specifically

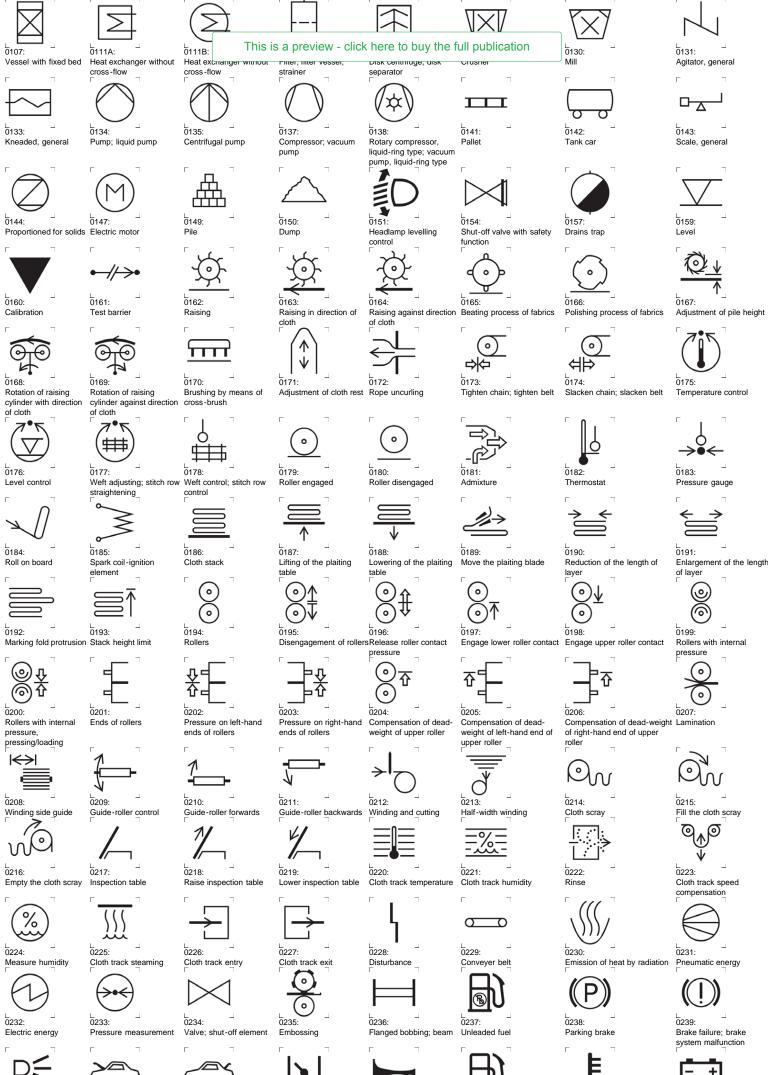
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Guidelines for the application of graphical symbols for use on equipment are in IEC 80416-3. Supplementary guidelines for the adaptation of graphical symbols for use on screens and displays (icons) are in ISO 80416-4.

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0240 Parking lights L 0241: Bonnet; hood

L 0242:

L 0243: Boot; trunk

Choke; cold starting aid Signal horn

0244:

0245 Fuel

0246

0247

Engine coolant temperature













0573: Multiple seams

0574: Adjust shearing unit

0575: Adjust shearing roller to the ledger blade

0576:

Engage and disengage shearing roller against inferior knife

Adjust shearing roller

0578 Raising of pile, general

0579: Disengage pile-raising roller

0580: Engage pile-raising roller



1000: 1001: Backward search for Forward search for block number, without

program alignment

1003: Backward, search for Beginning of program program alignment

1002:

1004

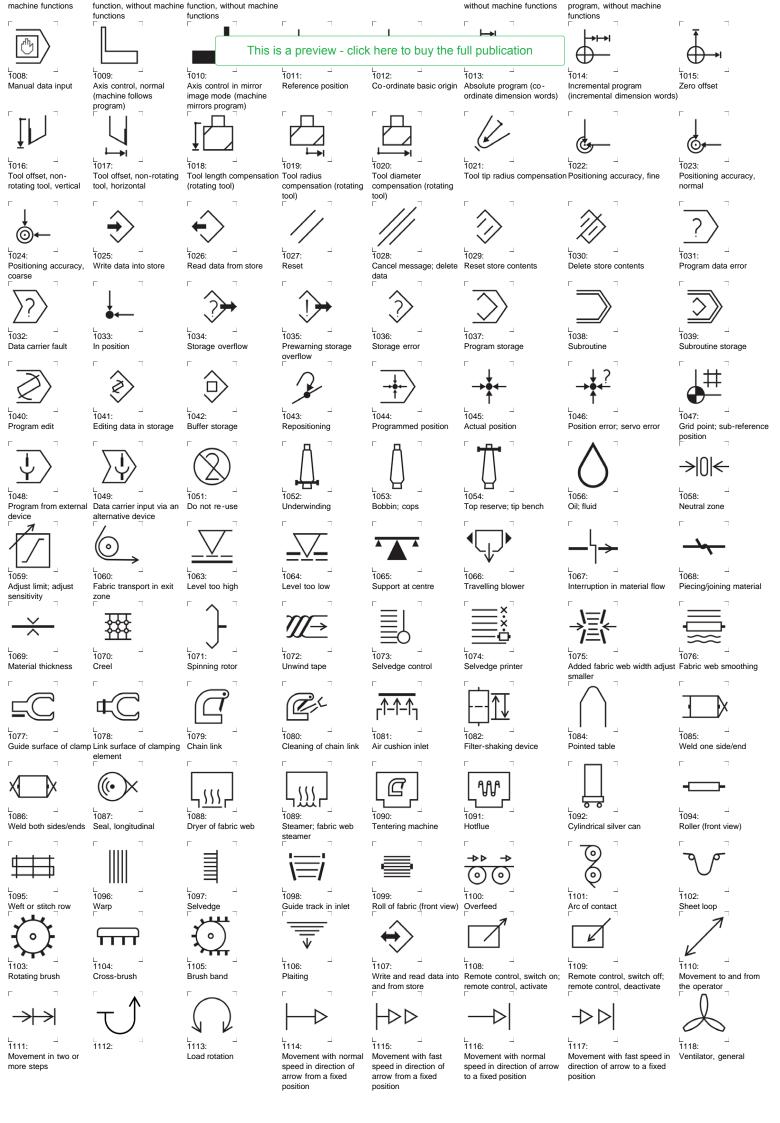
End of program

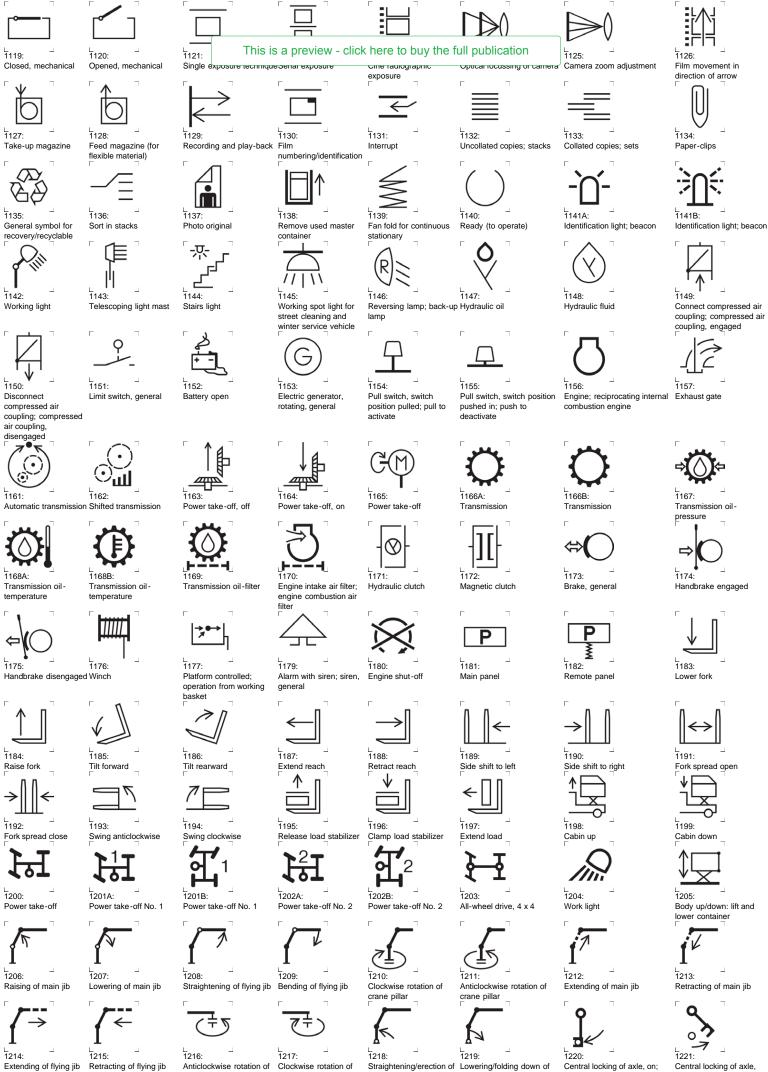
1005: Backward search for beginning of program,

1007 End of program with automatic Optional block skip rewind to beginning of

1006:







Extending of flying jib Retracting of flying jib

Anticlockwise rotation of load suspending device

Clockwise rotation of load suspending device crane pillar

crane pillar

axle centrally locked

Central locking of axle, off; axle centrally

released



1318: Dipstick

∟ 1319: Firing order 1320: 1321: Pressurized, open slowly

1321A: Mass; weight

1321B: Mass; weight

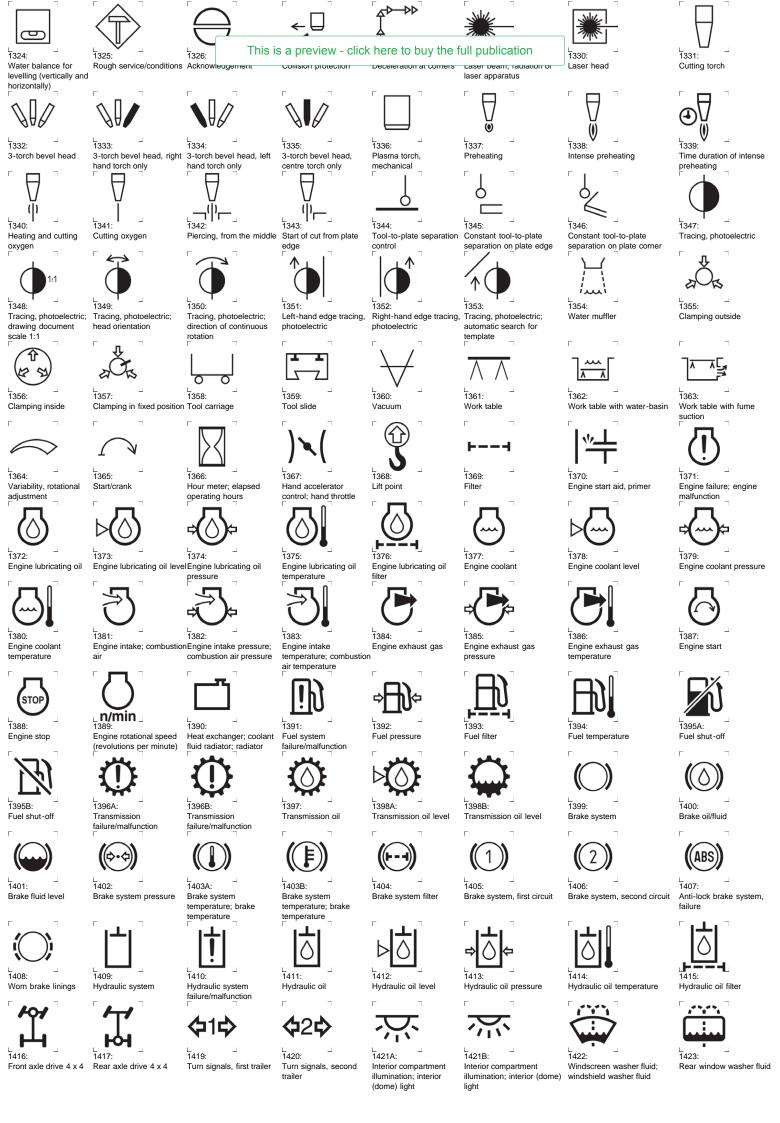
Water balance for levelling (horizontally)

1322:

1323: Water balance for levelling (vertically)









0 1528 Scraper apron, lower

1529: Scraper apron, hold

Scraper apron, float

1530

1531 Scraper ejector, eject

1532 Scraper ejector, return

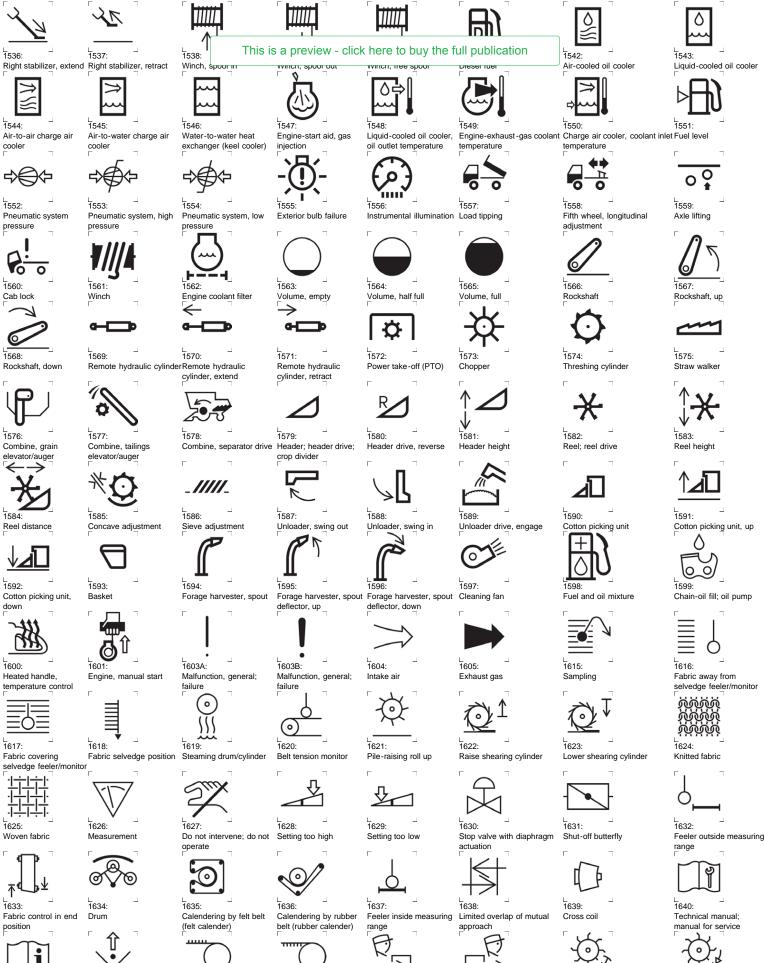
1533

1534: Scraper elevator, load

1535 Scraper elevator, unload

Scraper ejector, hold





1641: Operator's manual; operating instructions 1642:

.....

Read/note marking



1649 1650 Guide web with selvedge uncurling roll out

1651 Guide web with selvedge Skip, drive round a

L 1643:

1652 machine unit; bypass (going round a unit)

Run of process

1645: Start of shift

1653:



1654

Regeneration; recovery Ionization window open

Ionization window close

Lock



L 1644: Winding, pile outside Winding, pile inside

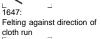


1646: End of shift (shift work)





1655:





cloth run **N** 

1648:





Felting in direction of



Log clamp, hold Log grapple



1754

1755 Topping knife, close

1756 Circular saw

175 Circular saw. out

1758

Circular saw, in

1759: Chain saw

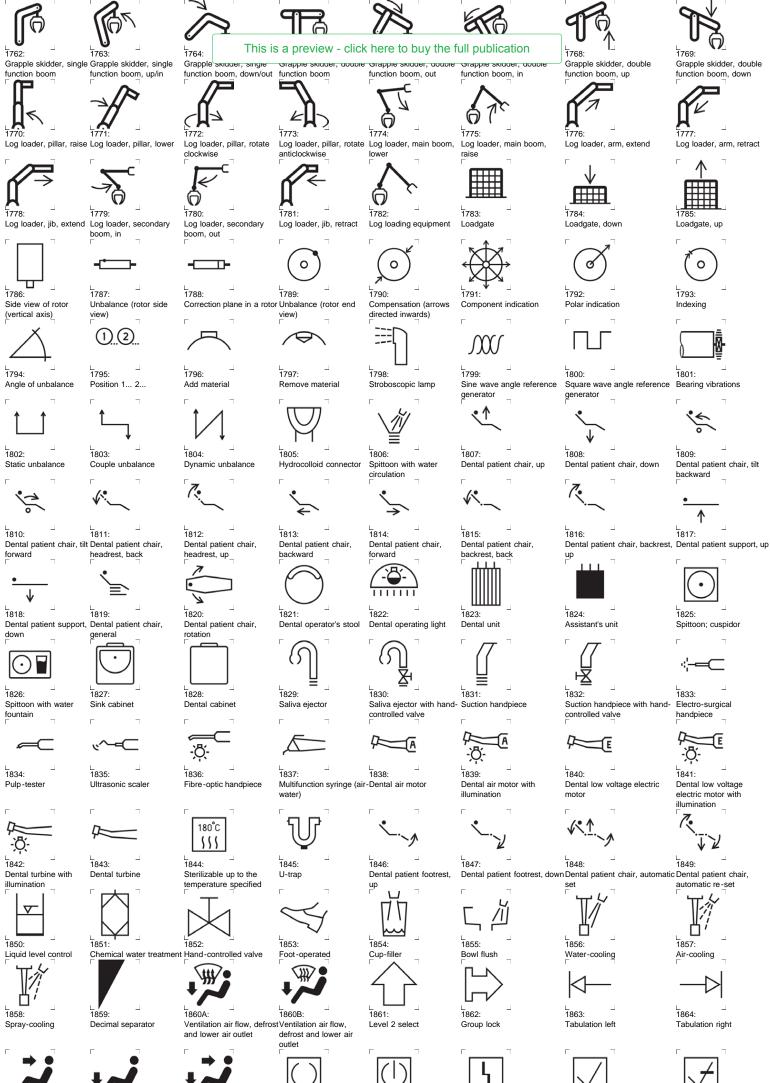
clockwise

1760 Chain saw. out ¢٠

1761

Chain saw, in

anticlockwise



1865 Ventilation air flow,

1866: Ventilation air flow, lower

1867:

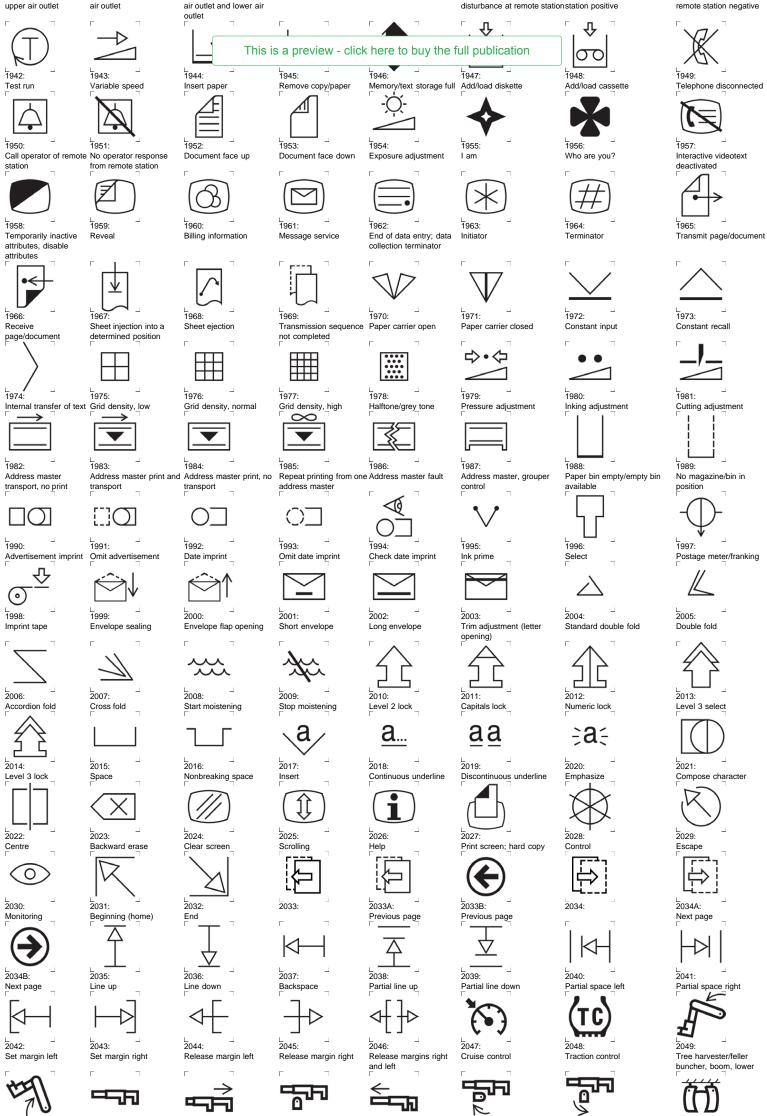
1937: Ventilation air flow, upper Remote station, ready

1938:

1939: 1940: Remote station, stand-by Remote station out of order, Acknowledgement of remote

1941 Acknowledgement of





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0

D







2254 2255 Trencher, digging boom

machine)

Trencher, digging boom, raise

2256 Trencher, digging boom, lower

2257: forward rotation

2258: Trencher, digging chain, Trencher, digging chain, Trencher, digging chain, reverse rotation

2259 disengage

float

Trencher, side shift

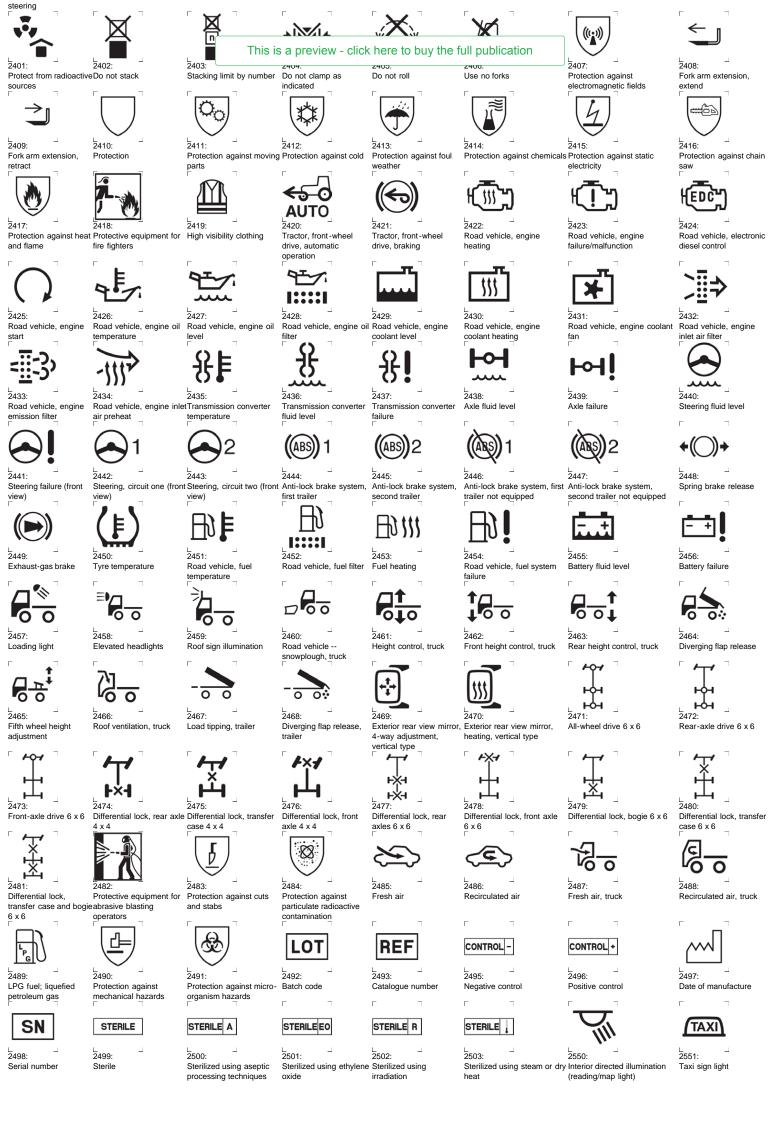
2260

Trencher, side shift left

2261:

ripper/scarifier, pitch out







2651:

↓ I [□ 2652: 2653:

+

temperature

2654

pressure, road vehicles

1

∟ 2655:





2657:

Rear lift-glass





2757 2756 2758 Rope reeve - Two falls Rope reeve - Four falls Crane trollev

o



Crane base - rail mounted

2760 Product information: Information point

Slewing in both directions unlocked (Jib weathervaning)

component parts

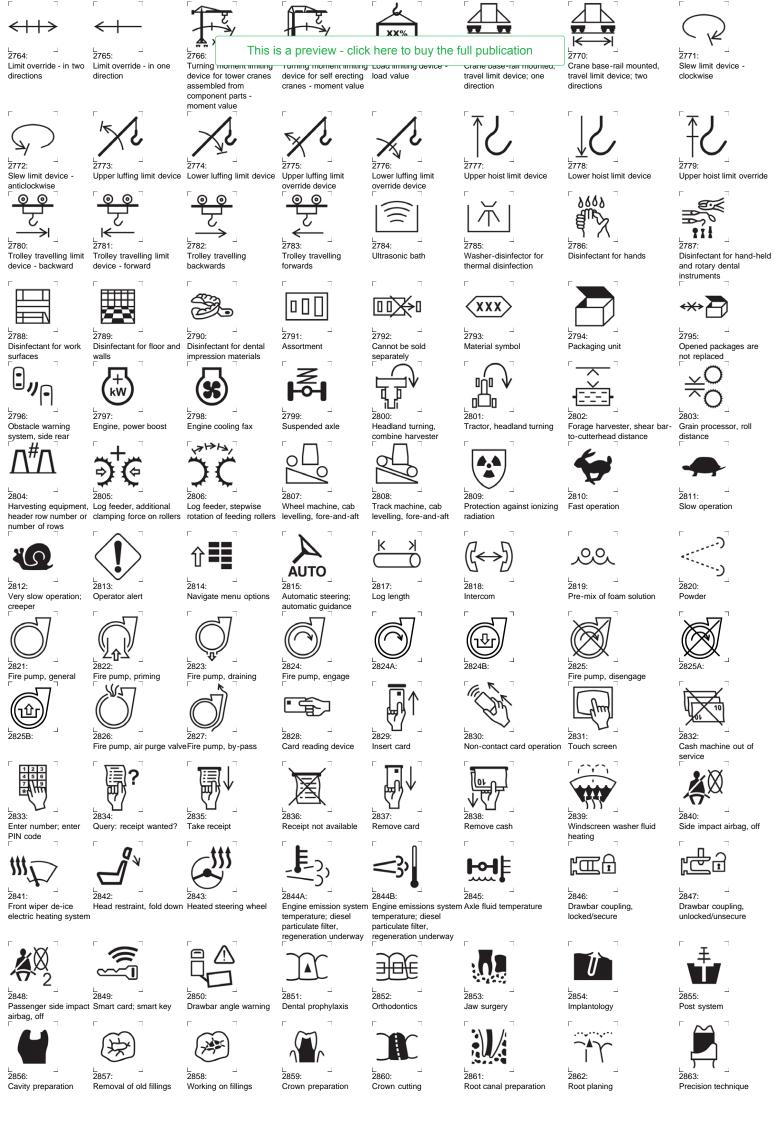
2762

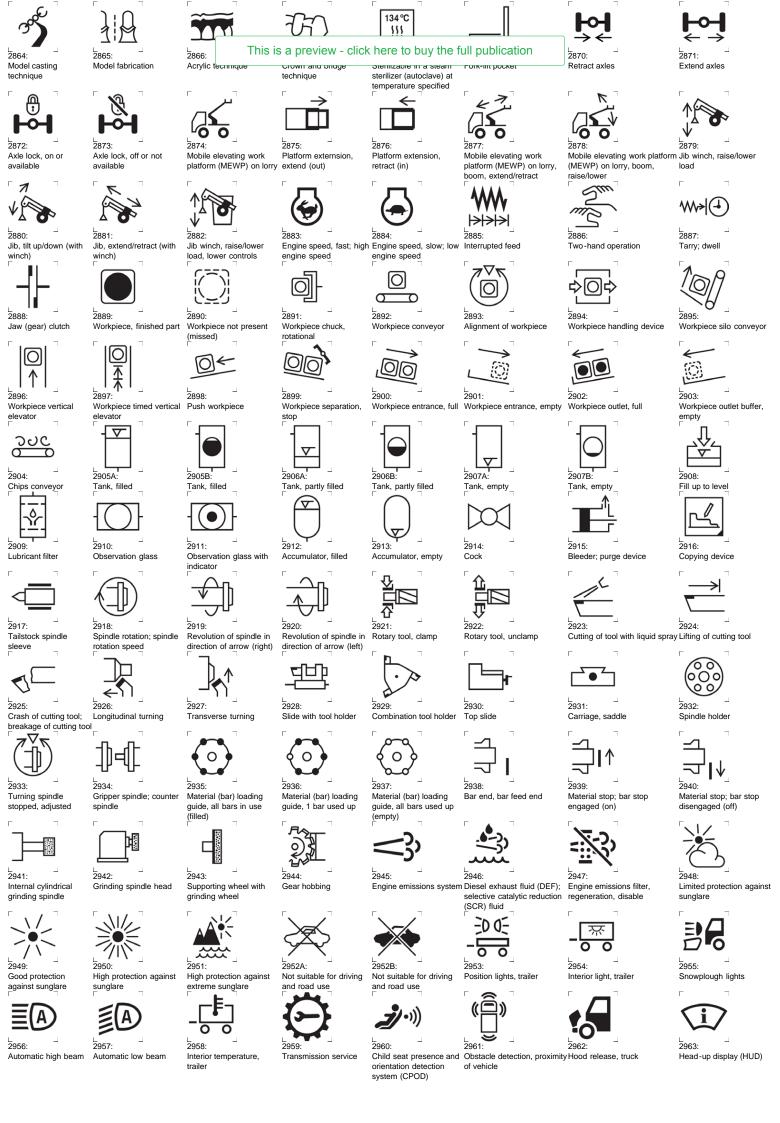
2763 Tower cranes assembled from Self-erecting cranes

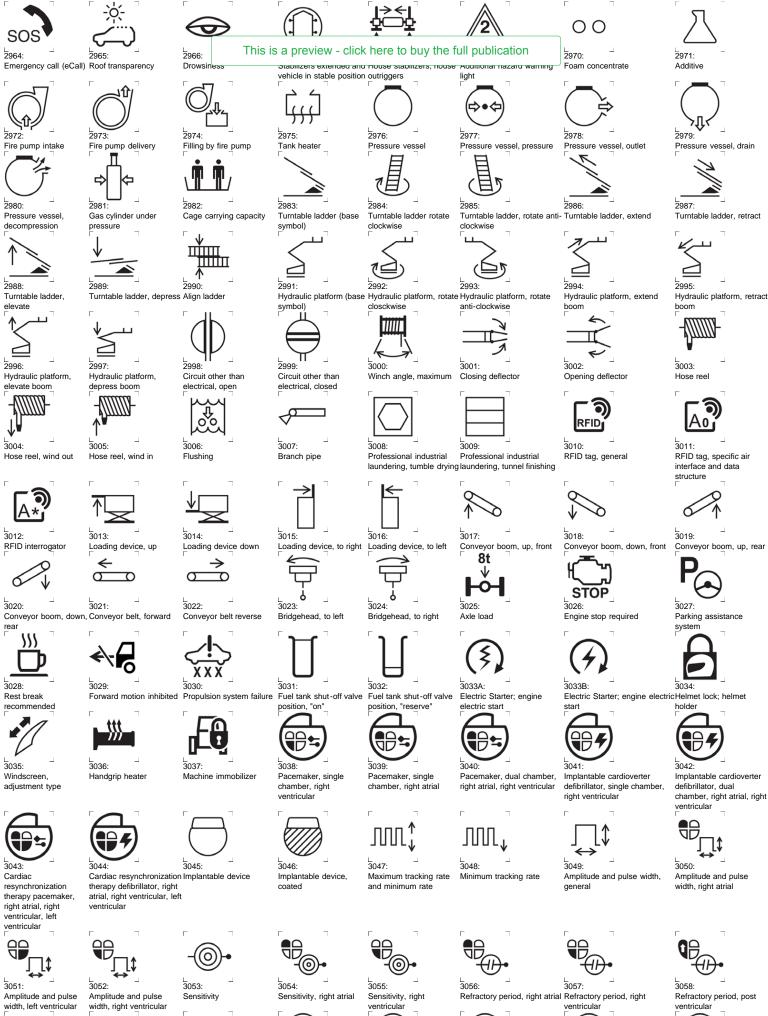












3059 Refractory period

3060 Atrial to ventricular interval, paced and sensed

3061 Sensed atrial to ventricular interval

J

3062 Header face

3063 connector cavity for defibrillator

Ο

Single pole high voltage

Four pole high voltage connector cavity for defibrillator

connector cavity for

Single pole low voltage pacemaker and defibrillator

Four pole low voltage connector cavity for pacemaker and defibrillator













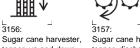


3153: Cotton basket vane, rotate left

3154: Cotton basket vane, rotate right

3155:

3156: Blower vacuum topper, up and down



Sugar cane harvester, topper, discharge direction. left

3158: Sugar cane harvester, topper, discharge direction, knife riaht

3159: Sugar cane harvester, cane

3160: Sugar cane harvester, harvesting function



Spreader speed

Unloader drive, disengageLawn and garden tractor, Tractor blade Snow thrower, discharge

Tractor blade, hold

Snow thrower, discharge

3264 Cotton harvester, ground



Park brake failure Fuel consumption per area worked

of fuel consumed

Area worked per quantity Fuel cooler

wiper

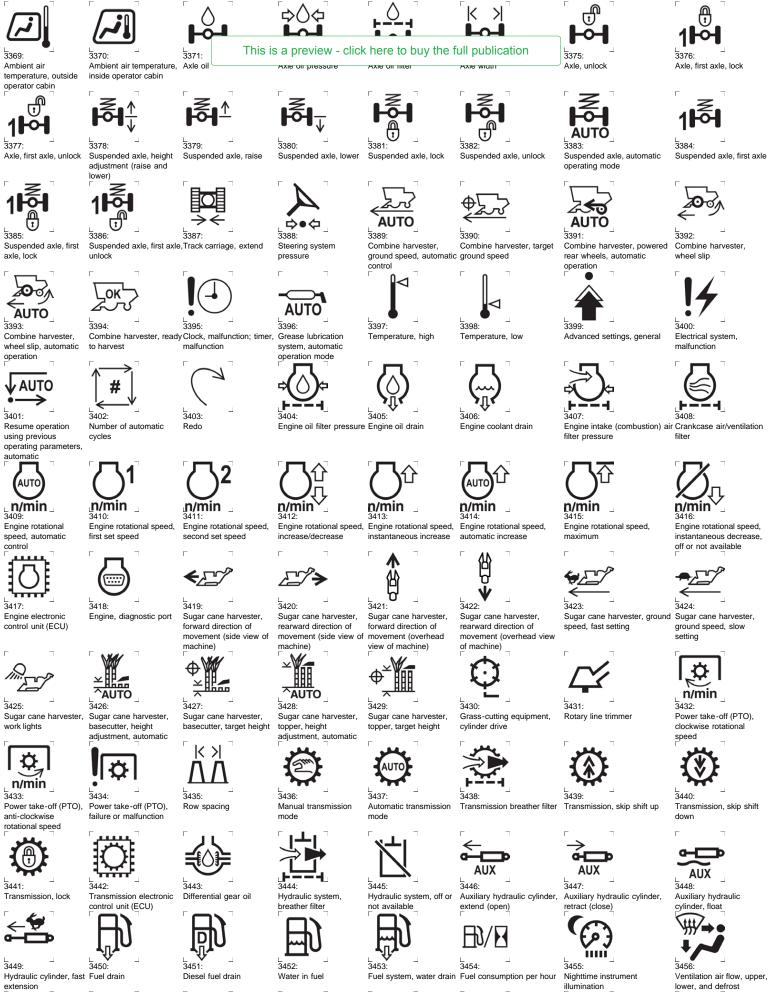
Exterior rear view mirror. horizontal type

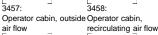
3368 Automatic temperature control, Operator cabin, general heating and cooling

3365

Side (lateral) window

3366











תר Uſ



3460: Log clamp, float



3461: Log clamp, tilt rearward



3462: boom, raise



3463: Heel boom log loader, main All-tread, move out









⇒





3561: 3562: Earth ancor

Earth anchor, in (down)

L 3564: Earth anchor, out (up)

3563:

Earth anchor, rotate

3565:

3566: Earth anchor, rotate anti- Drill pipe rack, unload/load,

3567: Drill pipe rack, unload/load,

Outrigger, extend left and





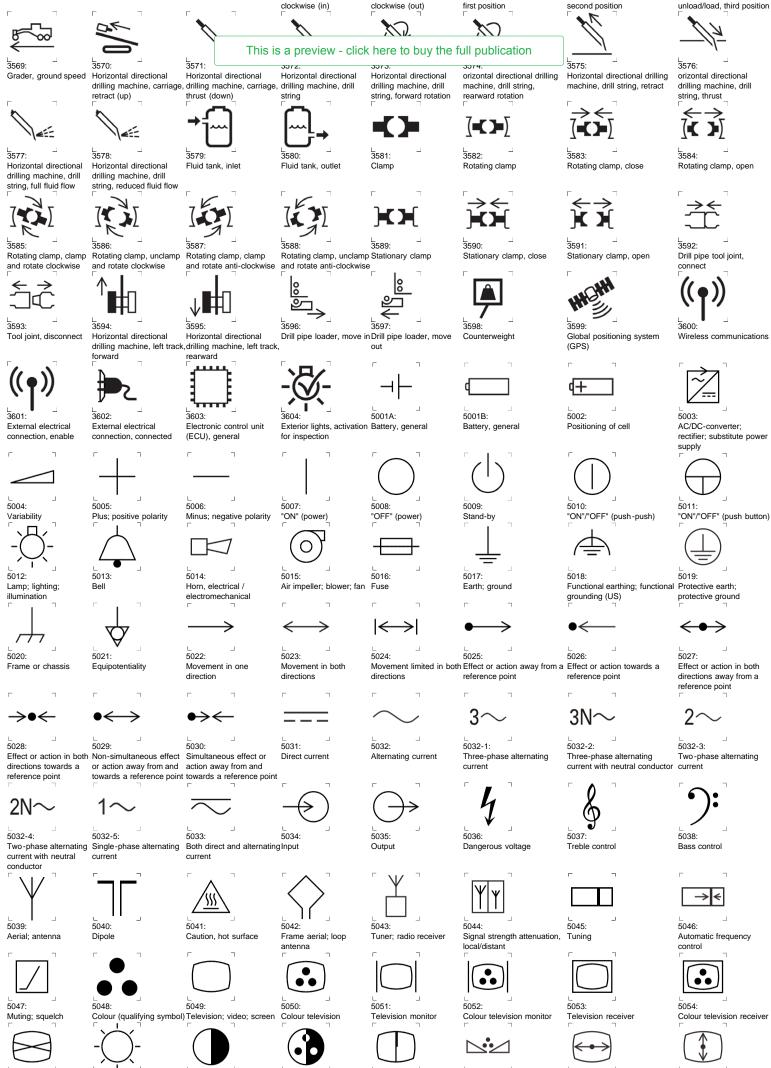








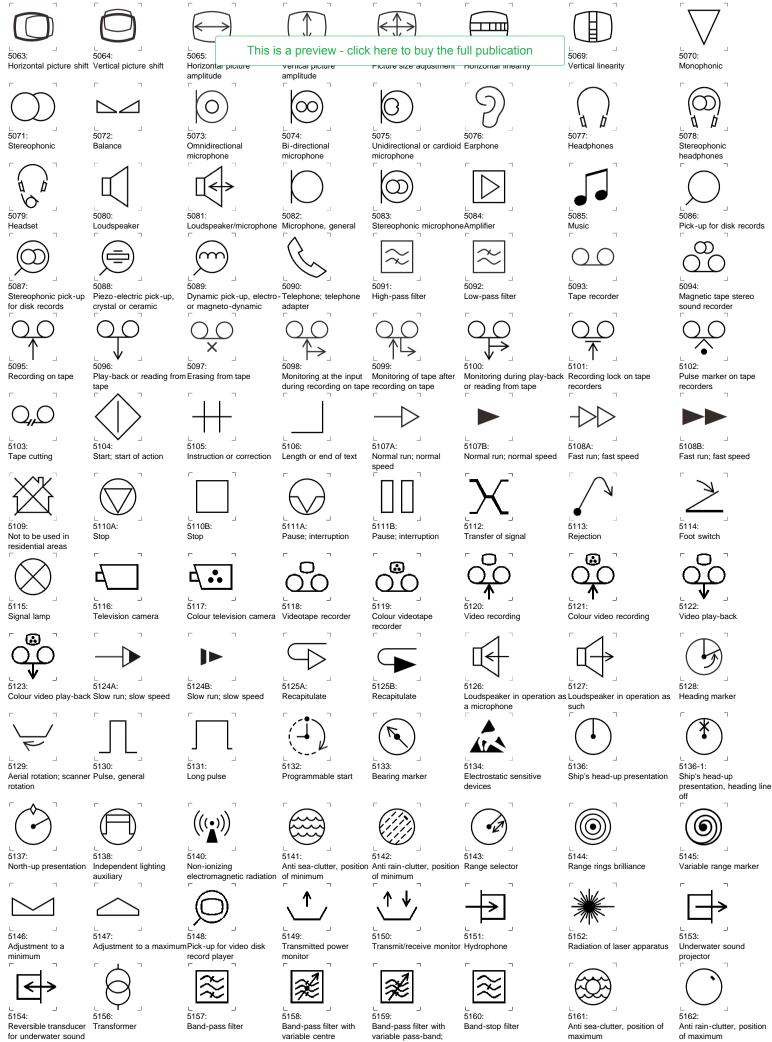
Drill pipe rack



5055: Focus 5056: Brightness; brilliance

5057: Contrast 5058: Colour saturation 5059: Crispener 5060: Hue

50: e 5061: Horizontal synchronization 5062: Vertical synchronization



5163

Recording on an

5164: 5165: Reading or reproduction Erasing from an 5166: Monitoring input data

frequency

5167

Monitoring input data

selectivity control

5168:

Monitoring output data

5169 Recording lock

5170 Marker





5285:

information carrier

from an information carrierinformation carrier



5286-1:



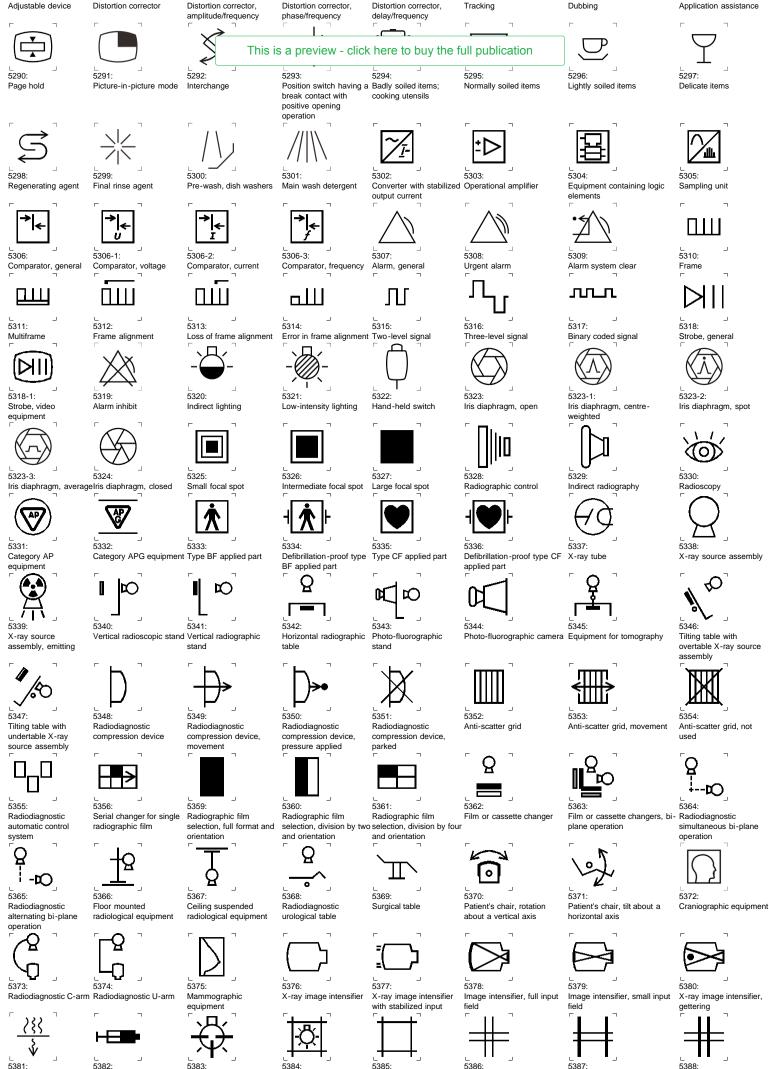
5286-2:

**∆**t 5286-3:

5287:

5288:

? 5289:



Radiation filter or filtration

Injection syringe

centre by light

Indication of radiation field Indication of radiation field by light

open

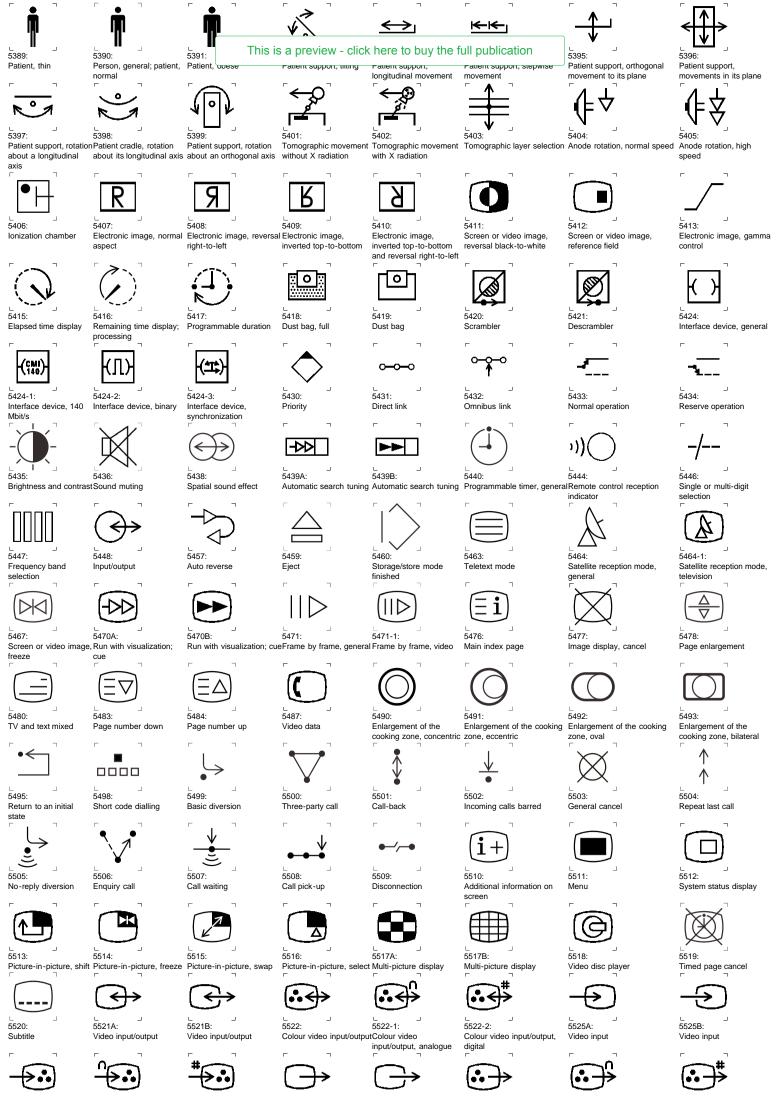
Beam limiting device,

Beam limiting device, closed Beam limiting device with separate opening of the shutters

Beam limiting device with separate closing of the shutters



5387:



5526 Colour video input

L 5526-1: Colour video input, 5526-2: Colour video input, digital Video output

5529A

5529B Video output

5530: Colour video output 5530-1

5530-2: Colour video output, analogue Colour video output





Background light



5558: White balance



5573: Water tap, closed



5578 Zone focus, short distance



5587: Lightly soiled



Half load

5599: Steam, high jet Steam, medium jet



5606: Brush, retracted



L 5615: 5614: Oven, lower and upper Oven, microwave

5623

Door, closed

0004

input/output

000

00

5632:

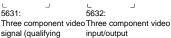
5607:

Oven, general











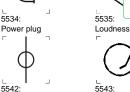


5634-1: 5634-2: Three component video Three component video output, analogue output, digital



5637

∟ 5637-1: Two component video Two component video



5542 Plane of sensitized material; image plane

analogue

5534:



Tone arm, down

5559

5574:

5579

distance

channels

////

Water tap, open

Zone focus, middle

5552 Colour temperature, natural light



5560: Cable television Two independent audio distribution

Record player;

phonograph 1/



5588:

5600:

Medium soiled

5576: Filter cleaning / changing Bell cancel



5581: 5580 Zone focus, long distance Save; economize



5589: Heavily soiled

Moisture

5544:

5553

5561:

Cassette

Compact disc player

Colour temperature,

incandescent lamp

00

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Fader

5546:

5554

5562

Tape end

5576-1:

5582

5594:

5602:

5610:

5618:

5627

5633:

input

Intermediate rinsing, dishOven, warming

Oven, automatic

SSS

000

Three component video

air

Crease resisting

Carpet, long pile

Oven, warm circulating

or shower

Bell, cancel

acknowledged;

acknowledged

Still mode

• C

Battery check

Close-up

5547:

5555

5569:

5576-2:

5583:

5595:

general

5603:

Upholstery

0

Oven, warm air grill

5611:

5619:

5628:

5633-1:

Oven, lighting

Functional movement.

Three component video

stepwise mode

input, analogue

**>** 00

Ο

Condensate collector

Suitable for use in a bath Short wash programme

Recording, general

Tape running direction

8

Locking, general

Bell, cancel temporary

5601: Carpet, general





5617:

5625

washers

000

5632-2:

00

5635-1:

Three component video

input/output, digital

Oven, grill

000

Oven, self-cleaning

5608: Oven, rotisserie

Smooth floor or surface



5616: Oven, microwave and



5624 Door, open



5632-1: Three component video input/output, analogue



5635: Two component video input/output

Two component video

00

∟ 5637-2:



1 5638 Emergency stop



5639





Rechargeable battery

5636:



Main wash, dish washers

Two component video input

5641 Suitable for covering

Two component video input,

\_ 5642 Image intensifier, medium

× 0 5620: Oven, defrosting position  $\triangleleft$ 



5630B Run with visualization; review Run with visualization:



5634:

Three component video output

Two component video

Three component video input,



5636-2:

input, digital

Oven, upper heating









Oven, thermometer





5605:





digital

5540

5549:

5557:

5572:

5577:

5585

5597:

Gentle spin dry

Steam. low iet

distance

Zone focus, very short

Cable coiling

Record muting

Auto reverse continuously

Tele(photo)

5539

5548:

5556

5570:

Unlocking

5576-3:

5584

5596:

L 5604:

5612:

5630A

5633-2:

digital

5636-1:

analogue

Curtains

Bell, cancel temporary

acknowledged 

Laundry starch

acknowledged; temporary

Condensate collector, full

Manual reverse

1

Insertion of signals

Wide-angle



Oven, lower heating



5621:











5751:

5752: Radiation, ultraviolet Changing the line spacing



Digital indicator





5755:



±8.8.8|

5754: Probe angulation





₽

Sound and language

5889 Marking of an image

5881:

Summer time

5890 Store displayed image

5882:

selection

5892 Transfer image

5883:

5893

5884:

Camera position selection Memory disk





П 5896:

Floor stand, horizontal adjustment

5885: Still camera

5894 5895 Electronic shutters, closeElectronic shutters, open Ergometer



5886: 5887: Image display, basic setting Camera recorder









5897: Optical conductor lighting

5888: Transfer marked images



5898: Floor stand, vertical adjustment



Position, centre real



5929 5930 Wide-screen (16:9), Wide-screen (16:9), full selection of picture picture mode mode







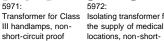






5963: X-ray source, lateral movement









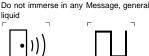


















6010-2: 6010-3: Isolating transformer for Isolating transformer for construction sites, fail- construction sites, fail-



5913:

5922

5939:

5948

general

5956:

5964:

5972

5980

digital

5988

6005

Pulse background

locations, non-shortcircuit proof

Indirect radiography,

Computer network

movement

isolating transformer,

Colour temperature

sunrise/sunset

Position, centre



Position, left front

(((叭)))

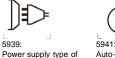
Emergency warnin

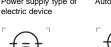
reception mode

5914:



Wide-screen (16:9), horizontal zoom mode







Perturbation attenuation isolating transformer, short-circuit proof



For indoor use only



5965: X-ray source, longitudinal X-ray source, vertical movement



5973: Isolating transformer for Mirror contact



5981 Radioscopy, pulsed



5989 Telephone line











6010-4: Isolating transformer for construction sites, non-



5925:

5933:

5943:

5951:

5959

increase

5975:

5983

5991

6000:

On-hook dialling

Keyboard [5 0000

Radiodiagnostic

pressure applied

.....

Small reactor non-

X-ray source to image

intensifier distance,

overload proof

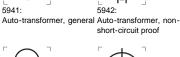
circuit proof

zoom in/out

Wide-screen (16:9),

Position, left







Small reactor, general



Radiodiagnostic C-arm, angulation



5966: 5967: Patient support, patient Gantry, tilt transfer position







5982 X-ray field, not limited by shutters









6007 Hot start

6010-5:





6010-6: Isolating transformer for Isolating transformer for construction sites, non- construction sites, non-

6010-7:

Isolating transformer for construction sites, short-

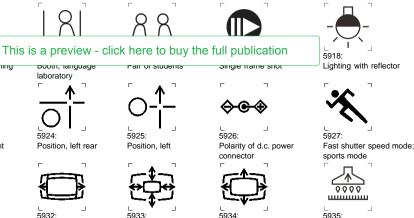
6010-8: Isolating transformer for

Construction site, general

6010-1: Isolating transformer for construction sites, failsafe



6010-9: Isolating transformer for construction sites, short-circuit construction sites, short-





5920

5928:

5937:

5946

Safety isolating

circuit proof

//1\

Colour temperature

Image intensifier, rotation

around a horizontal axis

5954:

5962:

5970:

5978:

changer

5986

Determination of radiography Disc media; optical disc;

X-ray image receptor,

compact disc (CD)

Locking, scroll; scroll lock

↑

5994:

6003:

Stamping

Perturbation attenuation safety Frequency converter

handlamps, short-circuit proof fluorescent lamp

transformer, non-short-

defibrillator

Position, centre front

Wide-screen (16:9),

Cardiac pacemaker;

implantable cardioverter

normal mode



Motorized cleaning head for

Isolating transformer, short-

Transformer for Class III

X-ray source to image

isolating transformer, short-

X-ray image receptor,

settings from radioscopy

intensifier, centering

water suction cleaning

5945

5953:

5961:

5969:

5977:

5985

5993

6002:

6010

External call

Locking, numerals; num-lockLocking, capitals; caps-lock

radioscopic

©<sub>II</sub>

circuit proof

circuit proof

5934 Wide-screen (16:9), picture enlarge mode

single name snot

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connector

5926:

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5944

Auto-transformer, short-Isolating transformer, nonshort-circuit proof



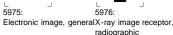
Small reactor, overload proof

5960: X-ray source to image intensifier distance, decrease



Perturbation attenuation safety isolating transformer







selection

5992

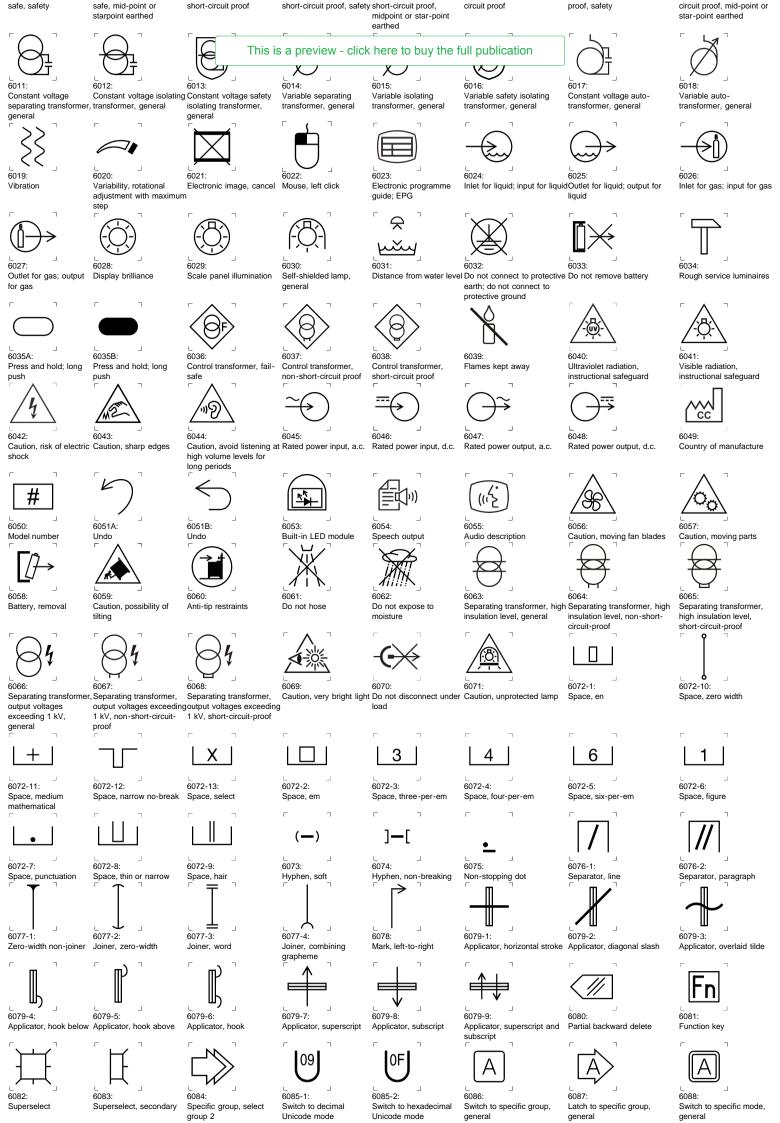
6001:

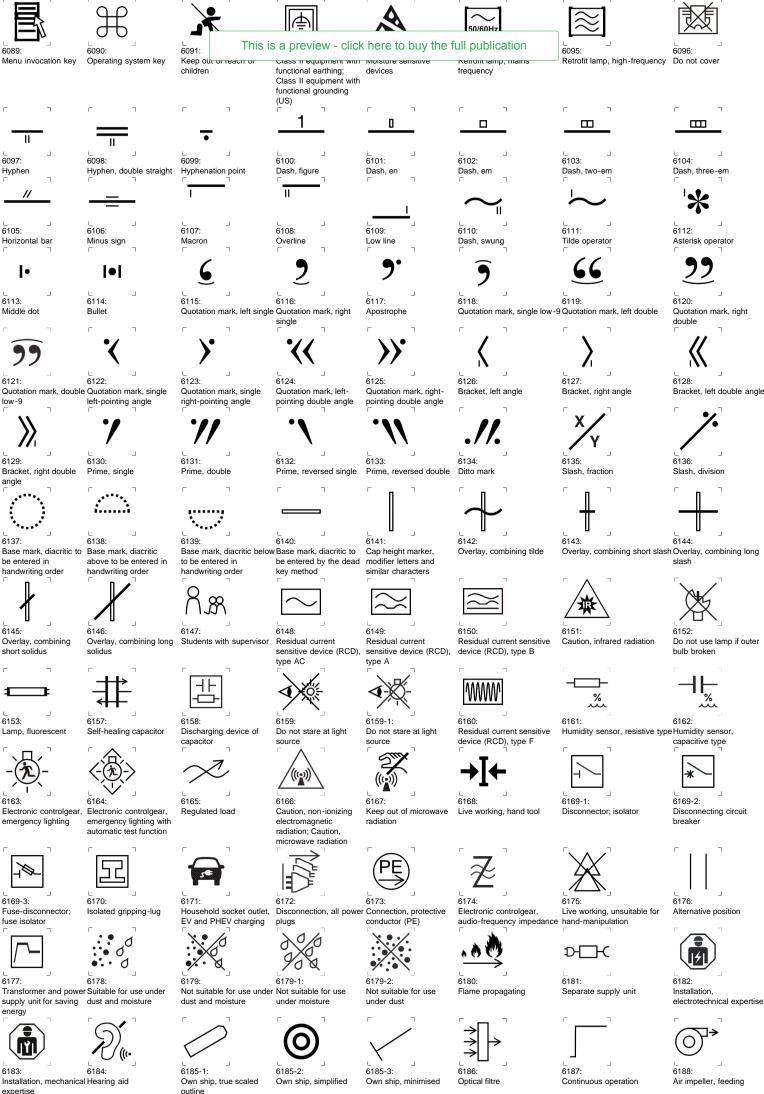
6009

Slope, decreasing

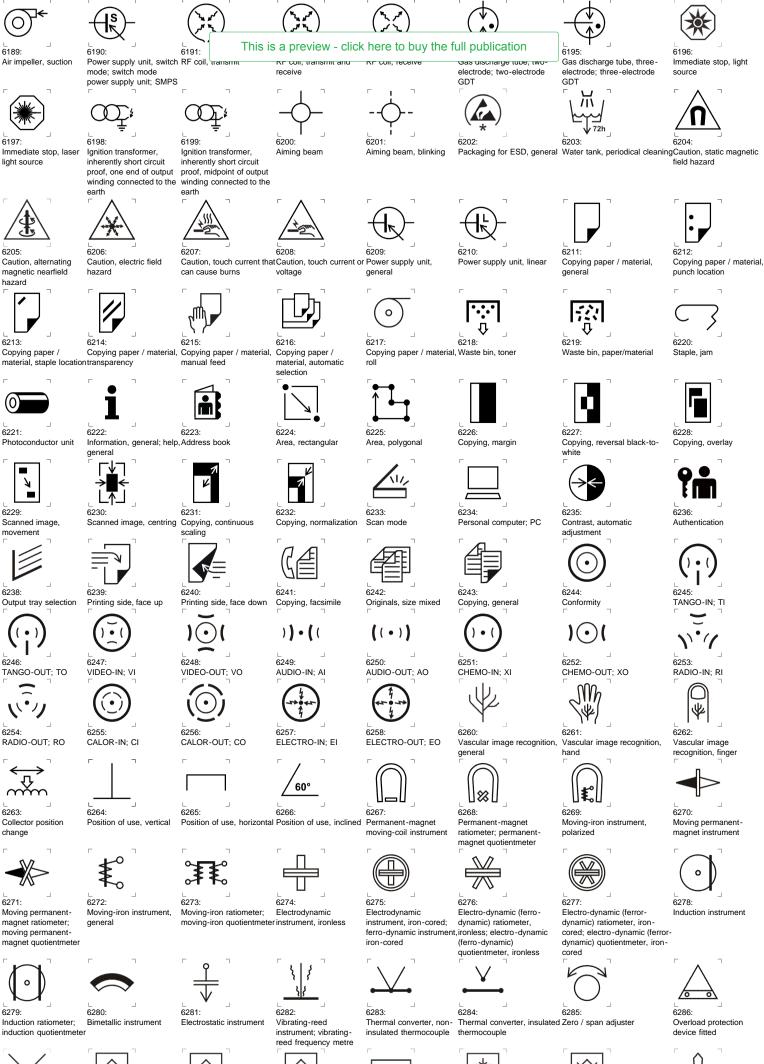
Internal call

5984 Radiodiagnostic automatic compression device, no control system, field





expertise



6287 Negation

6288

6289 IC-CPD, general; in-cable IC-CPD, switched 6290 IC-CPD, non-switched

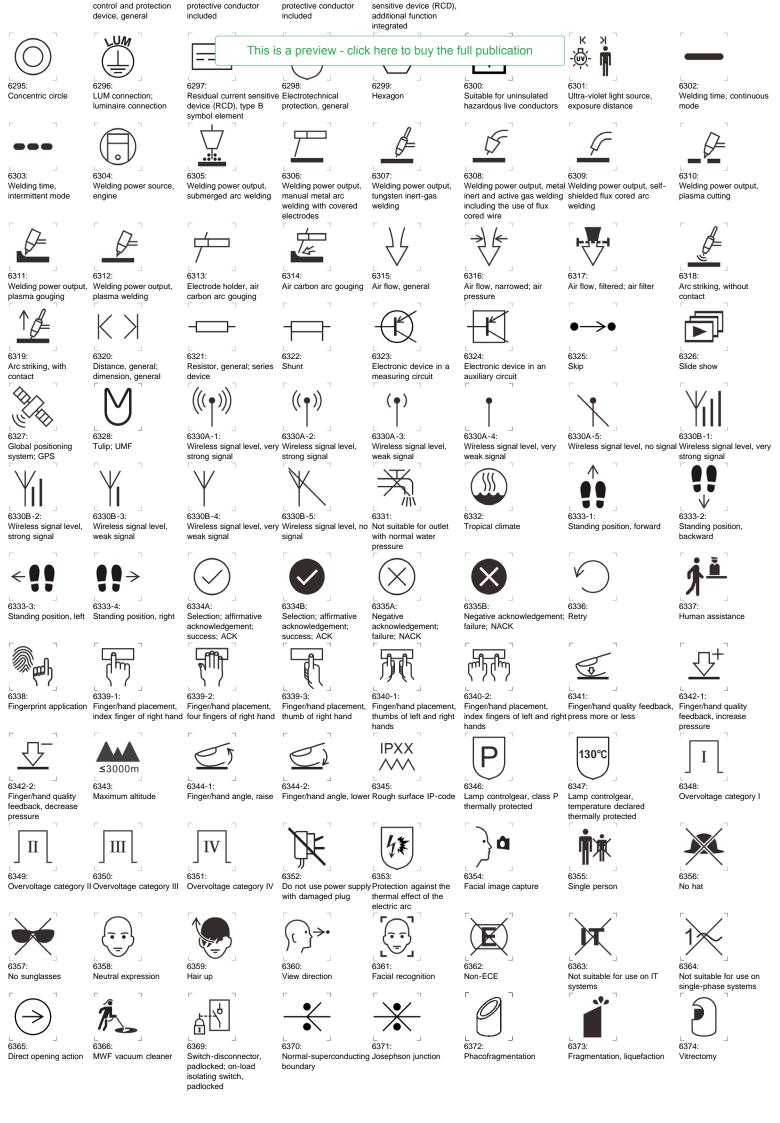
6291

f+

Residual current

6292 Cold environment 6293 Not for IT system

6294 AIS SAR aircraft





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