

INTERNATIONAL STANDARD

ISO 6360-2

Second edition
2004-11-01

Dentistry — Number coding system for rotary instruments —

Part 2: Shapes

*Art dentaire — Système de codification numérique pour instruments
rotatifs —*

Partie 2: Formes de réalisation



Reference number
ISO 6360-2:2004(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6360-2 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This second edition cancels and replaces the first edition (ISO 6360-2:1986), which has been technically revised. It also incorporates the Amendment ISO 6360-2:1986/Amd.1:1991.

ISO 6360 consists of the following parts, under the general title *Dentistry — Number coding system for rotary instruments*:

- *Part 1: General characteristics*
- *Part 2: Shapes*
- *Part 3: Specific characteristics of burs and cutters*
- *Part 4: Specific characteristics of diamond instruments*
- *Part 6: Specific characteristics of abrasive instruments*
- *Part 7: Specific characteristics of mandrels and special instruments*

The following part is under preparation:

- *Part 5: Specific characteristics of root-canal instruments*

Introduction

This part of ISO 6360 is one of a series of International Standards relating to dental rotary instruments. A wide variety of dental rotary instruments, including root-canal instruments, is manufactured throughout the world for use by the dental profession.

ISO 6360 provides a general number coding system for all types of dental rotary instruments, including accessories used in connection with these rotary instruments.

The benefits of this system for dentistry in its entirety will only be derived if the system is widely adopted; manufacturers of dental instruments, as well as the dental trade, are therefore requested to refer to ISO 6360 in their catalogues.

This part of ISO 6360 was prepared in response to a need by the dental trade and industry and the dental profession for a universal system of classification and designation for these instruments. It establishes a comprehensive number coding system suitable for all dental rotary instruments by use of a 15-digit code number identifying general and specific characteristics of instruments or groups of instruments.

The first group of three digits identifies the materials used for the working part of instruments.

The second group of three digits identifies the shanks and handles used for instruments and the overall lengths of instruments.

The third group of three digits identifies the shapes of instruments.

The fourth group of three digits identifies the specific characteristics for groups of instruments.

The fifth group of three digits identifies the nominal diameter of the working part of the instruments.

The code numbers are generic code numbers. They do not provide exact product information. This information is given in the respective product standards for dental rotary instruments.

For the application of the system and for the correct allocation of numbers or their identification, it is intended that the user consult ISO 6360-1 and this part of ISO 6360 for general information, and in addition one of the subsequent parts (ISO 6360-3 to ISO 6360-7) for further information on specific characteristics of instruments or groups of instruments.

For the allocation of new numbers complying with ISO 6360, an application supported by a description and a drawing should be sent to the secretariat of ISO/TC 106/SC 4, *Dental instruments*, which keeps updated records of all numbers currently allocated. An international group of experts will then decide on an appropriate identification number for the instrument in question, including its specific characteristics. The Secretary will inform the applicant, in due course, of the result and assist him in using the number correctly. The Secretariat of ISO/TC 106/SC 4 can be contacted at:

DIN NADENT
Turnplatz 2
75172 Pforzheim
Germany

.....

Dentistry — Number coding system for rotary instruments —

Part 2: Shapes

1 Scope

This part of ISO 6360 specifies the code numbers for the shapes of all dental rotary instruments and for several accessories used in connection with these instruments. This three-digit number for shape description forms the third group of three digits in the 15-digit overall number, the principles of which are explained in ISO 6360-1.

NOTE In addition to terms for rotary instruments and accessories used in two of the three official ISO languages (English, French and Russian), this part of ISO 6360 gives the equivalent terms in the German language: these are published under the responsibility of the member body for Germany (DIN). However, only the terms given in the official languages can be considered as ISO terms.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6360-1, *Dentistry — Number coding system for rotary instruments — Part 1: General characteristics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6360-1 and the following apply.

3.1

wheel

cylindrical rotary instrument used in dentistry in which the length of the working part is 5 % to 100 % of the diameter

3.2

disc

cylindrical rotary instrument used in dentistry in which the length of the working part is less than 5 % of the diameter

3.3

torpedo

shape of rotary instrument used in dentistry having a short radius near the tip of the working end

NOTE 1 See code numbers 284 and 294 for illustrations.

NOTE 2 The envelope of the rotating working end is similar to that produced by the revolution of a pointed (Gothic) arch around its axis of symmetry.

3.4

conical with ogival end

shape of rotary instrument used in dentistry having a long radius near the tip of the working end

NOTE See code number 213 for an illustration.

4 Code numbers for shapes

4.1 General

The general characteristics of the number coding system for rotary instruments are described in ISO 6360-1. The first and second groups of three digits of the 15-digit overall number are specified in ISO 6360-1.

The third group of three digits identifies the shape of the instrument.

The shapes are designated by a three-digit code number, which appears in the locations seven to nine of the 15-digit overall number.

4.2 Generic form

The code numbers are predominantly based on the geometric form of the rotary instruments. They are considered as generic, basic code numbers. Neither the illustrations nor the terms or lengths used are considered as correct product information. The geometric form is the easiest way to distinguish between different instruments. This differentiation is also used by the practitioner in his daily work. This principle however cannot be used throughout the complete number coding system. In several cases, the application of the instruments or the name of the inventor is used for clarification purposes. For simplified identification, it is considered advantageous to combine instrument names according to their application, e.g. root-canal instruments, implant burs, bone cutters for surgery.

The general designation of the geometric form applies to that region of the rotary instrument from the shank (or handle) to the working part. The shank (or handle) is illustrated on the right side of a figure and the working part on the left side of a figure.

Additional descriptive terms used are

a) for application on the shank side (right side of the figure):

english (en): proximal

french (fr): proximale

german (de): hinten

b) for application on the working-part side (left side of the figure):

en: end or en: distal

fr: bout/frontale fr: distale

de: Stirn de: vorne

For shape/design variations of one type (basic type) of instrument, similar three-digit code numbers are used, but different digits are used to distinguish each individual pattern. For example a type of cylindrical instrument may have a number from 107 to 123. The difference in digits indicates variations in the shape of the working part, the angle of the tip, the length of the head, and/or other characteristics.

4.3 Wheels

For wheels all shapes are classified.

4.4 Discs

For discs all shapes are classified.

4.5 Diamond instruments

For diamond instruments, the basic code numbers shall be used. The exact length of the working part is given in the locations 10 to 12 (see ISO 6360-4).

EXAMPLE For a diamond instrument with a length of the working part of 4,0 mm, the basic code number is 137. The previously used code number 139 (which shall not be used) is given in order to ease the transition from the first edition of ISO 6360-2 (ISO 6360-2:1986) to this edition.

5 Shapes and design

5.1 General shapes and design

Code numbers which shall be used for general shapes and design are given in Table 1. The numbers, shown in Table 1, range from 001 to 316.

Table 1 — General shapes and design



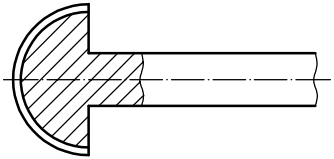
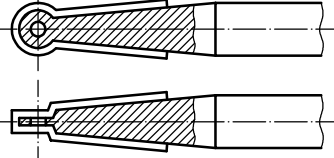
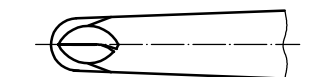
Shape and design	Designation	Code number
	en: spherical (round) fr: sphérique (ronde) de: kugelförmig (rund)	001
	en: spherical (round) with collar, standard fr: sphérique (ronde) avec extension, normale de: kugelförmig (rund) mit Ansatz, normal	002
	en: hemispherical fr: hémisphérique de: halbrund vorne	003
	en: spherical, flattened with collar and pierced fr: sphérique, aplatie avec extension et percée de: rund, abgeflacht mit Ansatz und Querbohrung	005
	en: hemispherical, enlarged neck without undercut fr: hémisphérique, col augmenté sans sous-tranchant de: halbrund, verstärkter Hals ohne Unterschnitt	006

Table 1 (continued)

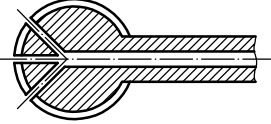

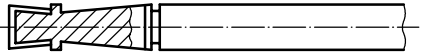
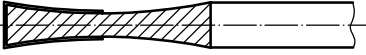
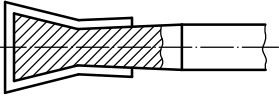
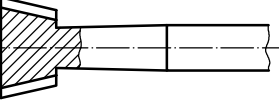
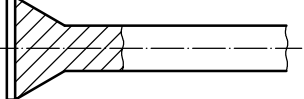
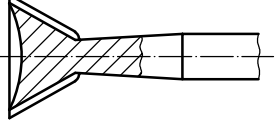
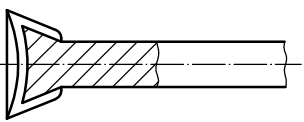
Shape and design	Designation	Code number
	en: spherical with internal cooling fr: sphérique avec conduits de refroidissement de: rund mit Innenkühlung	007
	en: inverted conical fr: conique inversée de: umgekehrter Kegel	010
see 010	$\alpha \leq 15^\circ$	011
see 010	$15^\circ < \alpha \leq 30^\circ$	012
see 010	$30^\circ < \alpha \leq 60^\circ$	013
see 010	$60^\circ < \alpha$	014
	en: inverted conical with shoulder, short fr: conique inversée avec épaulement, courte de: umgekehrter Kegel mit Anschlag, kurz	015
see 015	en: inverted conical with shoulder, normal fr: conique inversée avec épaulement, normale de: umgekehrter Kegel mit Anschlag, normal	016
	en: inverted conical with concave collar fr: conique inversée avec extension concave de: umgekehrter Kegel mit konkavem Ansatz	018
	en: inverted conical with collar fr: conique inversée avec extension de: umgekehrter Kegel mit Ansatz	019
	en: inverted conical, side-cutting only fr: conique inversée, coupe uniquement latérale de: umgekehrter Kegel, nur Seite schneidend	020
	en: inverted conical, end-cutting only fr: conique inversée, à coupe uniquement en bout de: umgekehrter Kegel, nur Stirn schneidend	021
	en: inverted conical, side-cutting only, concave end fr: conique inversée, coupe uniquement latérale, bout concave de: umgekehrter Kegel, nur Seite schneidend, konkave Stirn	022
	en: inverted conical, concave end fr: conique inversée, bout concave de: umgekehrter Kegel, konkave Stirn	023

Table 1 (continued)

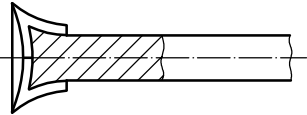
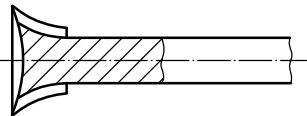
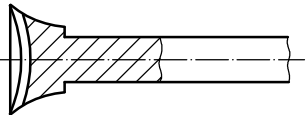
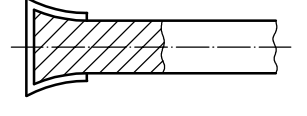
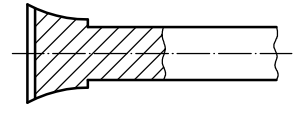
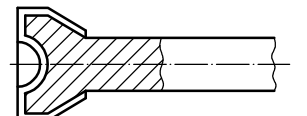
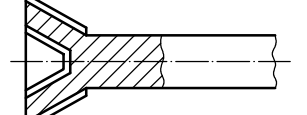
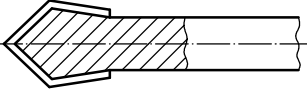
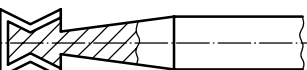
Shape and design	Designation	Code number
	en: inverted conical, concave, concave end fr: conique inversée, concave, bout concave de: umgekehrter Kegel, konkav, konkave Stirn	024
	en: inverted conical, concave, concave end, side-cutting only fr: conique inversée, concave, bout concave, coupe uniquement latérale de: umgekehrter Kegel, konkav, konkave Stirn, nur Seite schneidend	025
	en: inverted conical, concave, concave end, end-cutting only fr: conique inversée, concave, bout concave, coupe uniquement en bout de: umgekehrter Kegel, konkav, konkave Stirn, nur Stirn schneidend	026
	en: inverted conical, concave, side- and end-cutting fr: conique inversée, concave, coupe latérale et en bout de: umgekehrter Kegel, konkav, Stirn und Seite schneidend	027
	en: inverted conical, concave, end-cutting only fr: conique inversée, concave, coupe uniquement en bout de: umgekehrter Kegel, konkav, nur Stirn schneidend	028
	en: inverted conical, cylindrical, recessed hemispherical end fr: conique inversée, cylindrique, évidement hémisphérique frontal de: umgekehrter Kegel, zylindrisch, Stirn mit halbrunder Aussparung	029
	en: inverted conical, recessed conical end fr: conique inversée, évidement conique frontal de: umgekehrter Kegel, Stirn mit konischer Aussparung	030
	en: inverted conical, conical pointed fr: conique inversée, conique pointue de: umgekehrter Kegel, konisch spitz	031
	en: diabolo fr: diabolo de: Diabolo	032

Table 1 (continued)

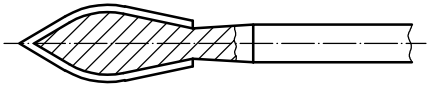
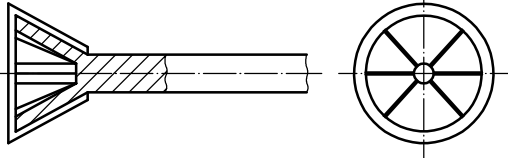
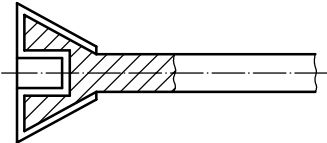
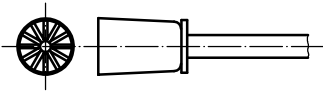
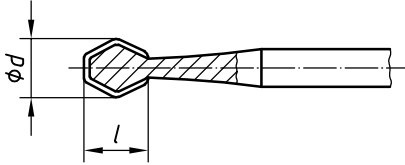
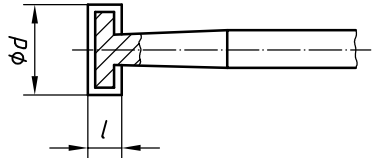
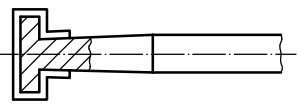
Shape and design	Designation	Code number
	en: inverted conical, rounded, conical pointed fr: conique inversée, arrondie, conique pointue de: umgekehrter Kegel, abgerundet, konisch spitz	033
	en: inverted conical, hollow, recessed cylindrical end, internally ribbed fr: conique inversée, creuse, évidement cylindrique frontal, intérieur lamelles de: umgekehrter Hohlkegel, Stirn mit zylindrischer Aussparung, innenliegende Lamellen	034
	en: inverted conical, recessed cylindrical end fr: conique inversée, évidement cylindrique frontal de: umgekehrter Kegel, Stirn mit zylindrischer Aussparung	035
	en: inverted conical, hollow, internally ribbed or fluted fr: conique inversée, creuse, intérieur lamelles ou ondes de: umgekehrter Hohlkegel, innenliegende Lamellen oder Wellen	036
	en: double conical, symmetrical, short fr: double conique, symétrique, courte de: Doppelkegel, symmetrisch, kurz $l \leq d$	037
see 037	$d < l \leq 1,5 d$	038
see 037	$1,5 d < l$	039
	en: wheel fr: roue de: Rad	040
see 040	$5 \% d < l < 25 \% d$	041
see 040	$25 \% d < l < 50 \% d$	042
see 040	$50 \% d < l < 100 \% d$	043
	en: wheel with collar fr: roue avec extension de: Rad mit Ansatz	044

Table 1 (continued)

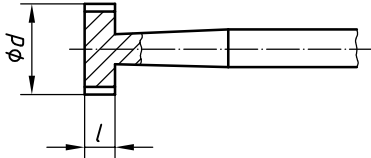
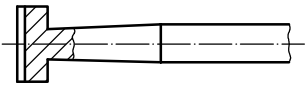
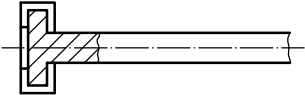
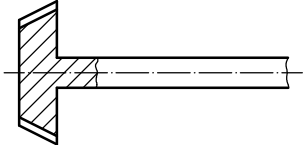
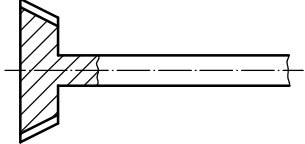
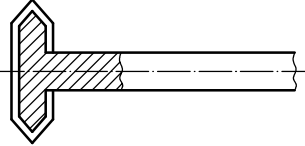
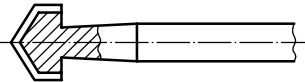
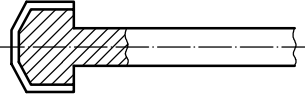
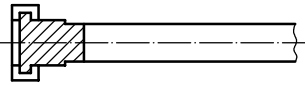
Shape and design	Designation	Code number
	<p>en: wheel, peripheral-cutting only fr: roue, coupe uniquement périphérique de: Rad, nur Umfang schneidend $5 \% d < l \leq 25 \% d$</p>	045
<p>see 045</p>	<p>$25 \% d < l \leq 50 \% d$</p>	046
	<p>en: wheel, end-cutting only fr: roue, coupe uniquement en bout de: Rad, nur Stirn schneidend</p>	047
	<p>en: wheel, peripheral- and rim-cutting fr: roue, coupe périphérique et sur la partie adjacente de: Rad, Umfang und Rand schneidend</p>	048
	<p>en: wheel, conical, peripheral-cutting only fr: roue, conique, coupe uniquement périphérique de: Rad, konisch, nur Umfang schneidend</p>	049
	<p>en: wheel, inverted conical, peripheral-cutting only fr: roue, conique inversée, coupe uniquement périphérique de: Rad, umgekehrter Kegel, nur Umfang schneidend</p>	050
	<p>en: wheel, inverted conical, conical, symmetrical fr: roue, conique inversée, conique, symétrique de: Rad, umgekehrter Kegel, konisch, symmetrisch</p>	051
	<p>en: wheel, conical, sharp end fr: roue, conique, bout pointu de: Rad, konisch, Stirn spitz</p>	052
	<p>en: wheel, conical, end with chamfer fr: roue, conique, bout avec chanfrein de: Rad, konisch, Stirn mit Fase</p>	053
	<p>en: wheel, straight with shoulder, peripheral- and rim-cutting fr: roue, droite avec épaulement, coupant à la périphérie et sur la partie adjacente de: Rillenschleifer, gerade mit Tiefenanschlag, Umfang und Rand schneidend</p>	054

Table 1 (continued)

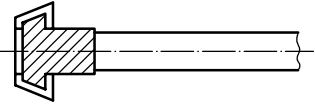
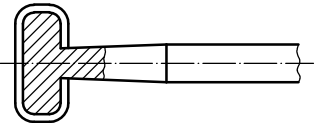
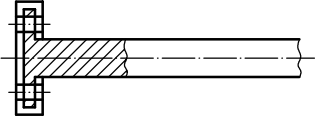
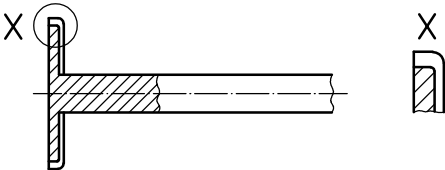
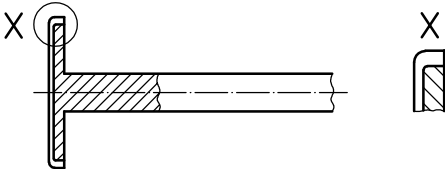
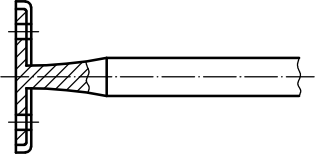
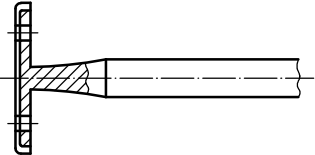
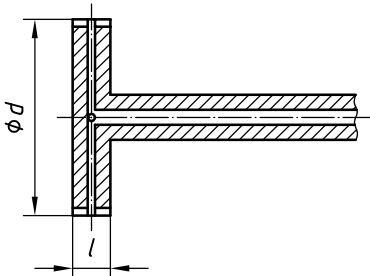
Shape and design	Designation	Code number
	<p>en: wheel, conical with shoulder, peripheral- and rim-cutting fr: roue, conique, avec épaulement, coupant à la périphérie et sur la partie adjacente de: Rillenschleifer, konisch mit Tiefenanschlag, Umfang und Rand schneidend</p>	055
	<p>en: wheel, rounded edge fr: roue, bords arrondis de: Rad, Kante rund</p>	056
	<p>en: wheel, perforated fr: roue, perforée de: Rad, perforiert</p>	057
	<p>en: wheel, proximal- and peripheral-cutting fr: roue, coupe périphérique et proximale de: Rad, Umfang und hinten schneidend</p>	058
	<p>en: wheel, peripheral- and distal-cutting fr: roue, coupe périphérique et frontale de: Rad, Umfang und vorne schneidend</p>	059
	<p>en: wheel, perforated, peripheral- and proximal-cutting fr: roue, perforée, coupe périphérique et proximale de: Rad, perforiert, Umfang und hinten schneidend</p>	060
	<p>en: wheel, perforated, peripheral- and distal-cutting fr: roue, perforée, coupe périphérique et frontale de: Rad, perforiert, Umfang und vorne schneidend</p>	061
	<p>en: wheel, with internal cooling, peripheral-cutting only fr: roue, avec conduits de refroidissement, coupe uniquement périphérique de: Rad, mit Innenkühlung, nur Umfang schneidend $5 \% d < l \leq 25 \% d$</p>	062

Table 1 (continued)

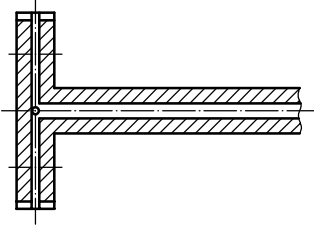
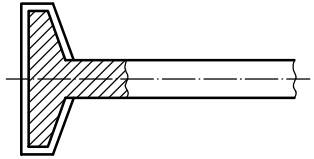
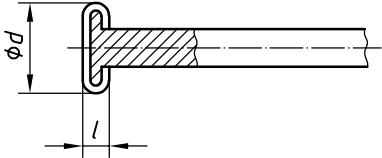
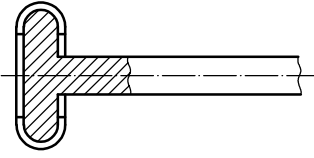
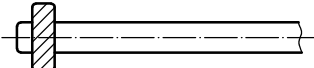
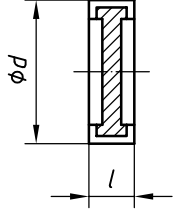
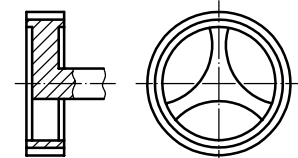
Shape and design	Designation	Code number
	<p>en: wheel, perforated, with internal cooling, peripheral-cutting only</p> <p>fr: roue, perforée, avec conduits de refroidissement, coupe uniquement périphérique</p> <p>de: Rad, perforiert, mit Innenkühlung, nur Umfang schneidend</p>	063
	<p>en: wheel, conical proximal side</p> <p>fr: roue, bord proximal conique</p> <p>de: Rad, hintere Seite konisch</p>	064
	<p>en: wheel, half-circle rim</p> <p>fr: roue, périphérie demi-cercle</p> <p>de: Rad, Rand halbrund</p> <p>$5 \% d < l \leq 25 \% d$</p>	067
	<p>en: wheel, half-circle rim, rim-cutting only</p> <p>fr: roue à périphérie demi-cercle, coupe uniquement latérale</p> <p>de: Rad, Rand halbrund, nur Rand schneidend</p>	072
	<p>en: wheel, rounded edge, side-cutting, with shoulder</p> <p>fr: roue, à bords arrondis, coupe latérale, avec épaulement</p> <p>de: Rad, Kante rund, Seite schneidend, mit Tiefenanschlag</p>	073
	<p>en: wheel, recessed, narrow, unmounted</p> <p>fr: roue, évidée, étroite, non montée</p> <p>de: Rad, abgesetzt, schmal, unmontiert</p> <p>$5 \% d < l \leq 25 \% d$</p>	075
<p>see 075</p>	<p>$25 \% d < l \leq 50 \% d$</p>	076
<p>see 075</p>	<p>$50 \% d < l \leq 100 \% d$</p>	077
	<p>en: wheel with window, peripheral-cutting only</p> <p>fr: roue évidée, coupe uniquement périphérique</p> <p>de: Rad mit Fenster, nur Rand schneidend</p>	083

Table 1 (continued)

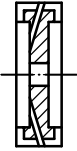
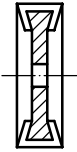
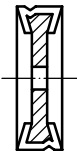
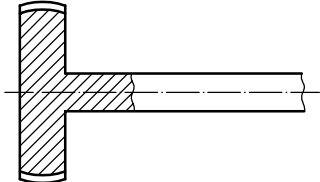
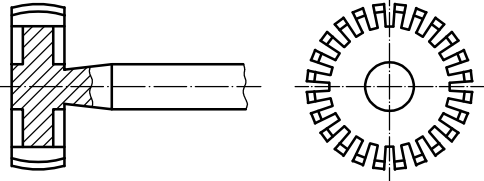
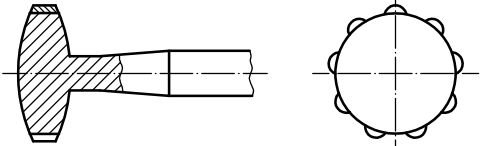
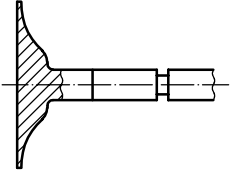
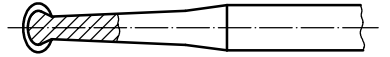
Shape and design	Designation	Code number
	<p>en: wheel with cooling canals, peripheral- and rim-cutting fr: roue avec conduits de refroidissement, coupe à la périphérie et sur la partie adjacente de: Rad mit Innenkühlung, Umfang und Rand schneidend</p>	093
	<p>en: wheel, conical recess, peripheral- and rim-cutting fr: roue, évidement conique, coupe à la périphérie et sur la partie adjacente de: Rad, konische Aussparung, Umfang und Rand schneidend</p>	094
	<p>en: wheel, conical recess, peripheral- and rim-cutting with helicoidal groove fr: roue, évidement conique, coupe à la périphérie et sur la partie adjacente avec sillon hélicoïdal de: Rad, konische Aussparung, Umfang und Rand schneidend mit spiralförmiger Rille</p>	095
	<p>en: wheel, spherical, symmetrically truncated, peripheral-cutting only fr: roue, sphérique, symétriquement tronquée, coupe uniquement périphérique de: Rad, konvex, nur Umfang schneidend</p>	098
	<p>en: wheel, spherical, symmetrically truncated, toothed and recessed, peripheral-cutting only fr: roue, sphérique, symétriquement tronquée, dentée avec évidement, coupe uniquement périphérique de: Rad, konvex, gezahnt mit Spanraum, nur Umfang schneidend</p>	099
	<p>en: wheel, riveting fr: roue rivetée de: Nietrad</p>	100
	<p>en: disc, profiled fr: disque, profilé de: Konturscheibe</p>	101
	<p>en: ellipsoidal fr: ellipsoïde de: oval</p>	103

Table 1 (continued)

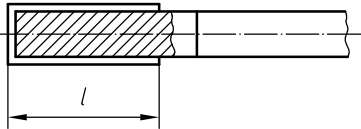

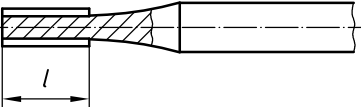
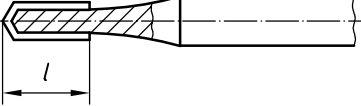
Shape and design	Designation	Code number
	en: cylindrical, side- and end-cutting fr: cylindrique, coupe latérale et en bout de: zylindrisch, Seite und Stirn schneidend	107
see 107	$l \leq 3,5$ mm	108
see 107	$3,5 \text{ mm} < l \leq 5,5$ mm	109
see 107	$5,5 \text{ mm} < l \leq 7,5$ mm	110
see 107	$7,5 \text{ mm} < l \leq 9,5$ mm	111
see 107	$9,5 \text{ mm} < l \leq 11,5$ mm	112
see 107	$11,5 \text{ mm} < l \leq 13,5$ mm	113
see 107	$13,5 \text{ mm} < l$	114
	en: cylindrical, helicoidal groove left fr: cylindrique, sillon hélicoïdal à gauche de: zylindrisch, linksgewundene Spannut	115
	en: cylindrical, side-cutting only fr: cylindrique, coupe uniquement latérale de: zylindrisch, nur Seite schneidend	116
see 116	$l \leq 3,5$ mm	117
see 116	$3,5 \text{ mm} < l \leq 5,5$ mm	118
see 116	$5,5 \text{ mm} < l \leq 7,5$ mm	119
see 116	$7,5 \text{ mm} < l \leq 9,5$ mm	120
see 116	$9,5 \text{ mm} < l \leq 11,5$ mm	121
see 116	$11,5 \text{ mm} < l \leq 13,5$ mm	122
see 116	$13,5 \text{ mm} < l \leq 15,5$ mm	123
	en: cylindrical, pointed end fr: cylindrique, bout pointu de: zylindrisch, Stirn spitz	126
see 126	$l \leq 3,5$ mm	127
see 126	$3,5 \text{ mm} < l \leq 5,5$ mm	128
see 126	$5,5 \text{ mm} < l \leq 7,5$ mm	129
see 126	$7,5 \text{ mm} < l \leq 9,5$ mm	130
see 126	$9,5 \text{ mm} < l \leq 11,5$ mm	131
see 126	$11,5 \text{ mm} < l \leq 13,5$ mm	132
see 126	$13,5 \text{ mm} < l \leq 15,5$ mm	133

Table 1 (continued)

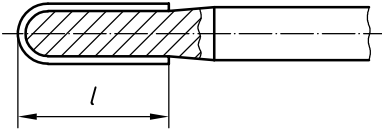
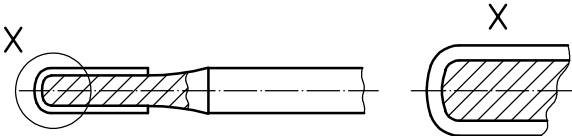

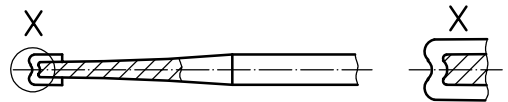
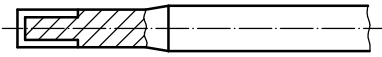
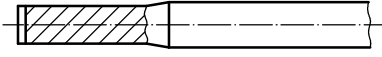
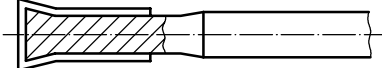
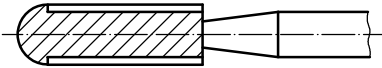
Shape and design	Designation	Code number
	en: cylindrical, hemispherical end fr: cylindrique, bout rond de: zylindrisch, Stirn rund	137
see 137	$l \leq 3,5 \text{ mm}$	138
see 137	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	139
see 137	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	140
see 137	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	141
see 137	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	142
see 137	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	143
see 137	$13,5 \text{ mm} < l \leq 15,5 \text{ mm}$	144
see 137	$l > 15,5 \text{ mm}$	145
	en: cylindrical, convex end, rounded edge fr: cylindrique, bout convexe, bord arrondi de: zylindrisch, Stirn konvex, Kante rund	146
	en: cylindrical, rounded edge, side-cutting only fr: cylindrique, bord arrondi, coupe uniquement latérale de: zylindrisch, Kante rund, nur Seite schneidend	147
	en: conical, rounded edge and concave end, end-cutting and 1/3 side-cutting fr: conique, bord arrondi et extrémité évidée, coupe en bout et 1/3 sur la partie adjacente de: konisch, Kante rund und Stirnmulde, Stirn und 1/3-Seite schneidend	148
	en: cylindrical, end-cutting and 1/3 side-cutting fr: cylindrique, coupe en bout et 1/3 sur la partie adjacente de: zylindrisch, Stirn und 1/3-Seite schneidend	149
	en: cylindrical, end-cutting only fr: cylindrique, coupe uniquement en bout de: zylindrisch, nur Stirn schneidend	150
	en: cylindrical, inverted conical fr: cylindrique, conique inversée de: zylindrisch, umgekehrter Kegel	151
	en: cylindrical, hemispherical end, side-cutting only fr: cylindrique, bout rond, coupe uniquement latérale de: zylindrisch, Stirn rund, nur Seite schneidend	152

Table 1 (continued)

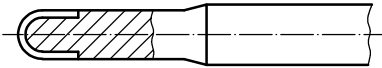
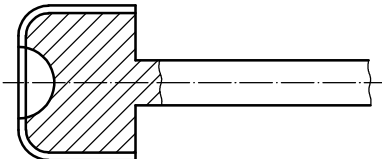
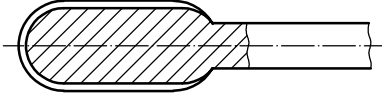
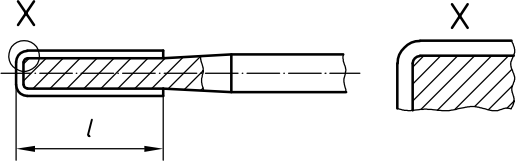
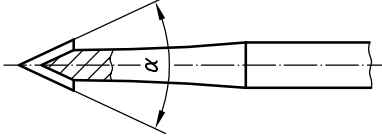
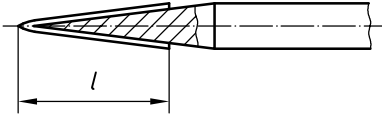
Shape and design	Designation	Code number
	en: cylindrical, hemispherical end, end-cutting and 1/3 side-cutting fr: cylindrique, bout rond, coupe en bout et 1/3 sur la partie adjacente de: zylindrisch, Stirn rund, Stirn und 1/3-Seite schneidend	153
	en: cylindrical, round distal edge and concave end fr: cylindrique, bord distal arrondi et extrémité évidée de: zylindrisch, abgerundet mit Stirnmulde	154
	en: cylindrical, distal end hemispherical, proximal end inverted hemispherical fr: cylindrique, bout rond, partie proximale hémisphérique inversée de: Walze	155
	en: cylindrical, rounded edge fr: cylindrique, bord arrondi de: zylindrisch, Kante rund 3,5 mm < l < 5,5 mm	156
see 156	5,5 mm < l < 7,5 mm	157
see 156	7,5 mm < l < 9,5 mm	158
	en: conical pointed fr: conique pointue de: konisch spitz	159
see 159	$\alpha \leq 10^\circ$	160
see 159	$10^\circ < \alpha \leq 30^\circ$	161
see 159	$30^\circ < \alpha \leq 60^\circ$	162
see 159	$60^\circ < \alpha$	163
	en: conical pointed, slender fr: conique pointue, élancée de: konisch spitz, schlank 3,5 mm < l ≤ 6,5 mm	164
see 164	6,5 mm < l ≤ 8,5 mm	165
see 164	8,5 mm < l ≤ 10,5 mm	166
see 164	l ≤ 10,5 mm	167

Table 1 (continued)

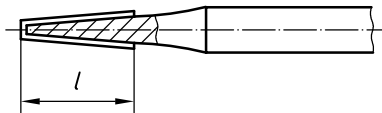
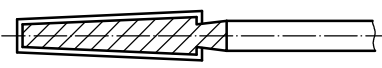
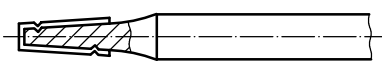

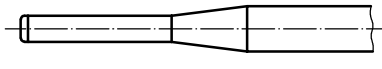
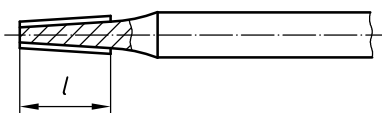
Shape and design	Designation	Code number
	en: conical, (truncated conical) fr: conique, (tronconique) de: konisch, (kegelstumpfförmig)	168
see 168	$l \leq 3,5 \text{ mm}$	169
see 168	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	170
see 168	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	171
see 168	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	172
see 168	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	173
see 168	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	174
see 168	$13,5 \text{ mm} < l \leq 15,5 \text{ mm}$	175
	en: conical, 30 % flatter than number 168 fr: conique, 30 % plus plat que numéro 168 de: konisch, 30 % flacher als Nummer 168 $7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	176
	en: conical with helicoidal groove fr: conique avec sillon hélicoïdal de: konisch mit gewundener Nut	177
	en: conical with left helicoidal groove fr: conique avec sillon hélicoïdal à gauche de: konisch mit linksgewundener Nut	178
	en: cylindrical, rounded edge, end-cutting only fr: cylindrique, bord arrondi, coupe uniquement en bout de: zylindrisch, Kante rund, nur Stirn schneidend	179
	en: conical, side-cutting only fr: conique, coupe uniquement latérale de: konisch, nur Seite schneidend	180
see 180	$l \leq 3,5 \text{ mm}$	181
see 180	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	182
see 180	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	183
see 180	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	184
see 180	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	185
see 180	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	186
see 180	$13,5 \text{ mm} < l \leq 15,5 \text{ mm}$	187

Table 1 (continued)

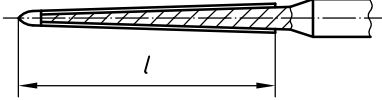
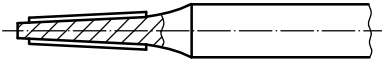
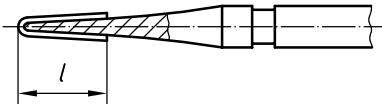
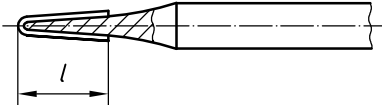
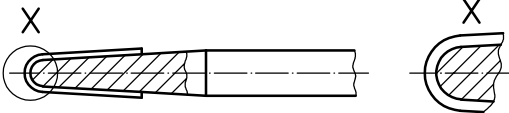
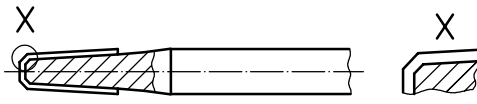
Shape and design	Designation	Code number
	en: conical pointed, side-cutting only fr: conique pointue, coupe uniquement latérale de: konisch spitz, nur Seite schneidend $l > 10,5$ mm	188
	en: conical, side-cutting only, guided fr: conique, coupe uniquement latérale, guidée de: konisch, nur Seite schneidend, mit Zapfen	190
	en: conical, rounded end, slender fr: conique, bout arrondi, élancée de: konisch, Stirn rund, schlank $3,5 \text{ mm} < l \leq 7,5$ mm	191
see 191	$7,5 \text{ mm} < l \leq 9,5$ mm	192
see 191	$9,5 \text{ mm} < l \leq 11,5$ mm	193
	en: conical, domed end fr: conique, bout hémisphérique de: konisch, Stirn rund	194
see 194	$l \leq 3,5$ mm	195
see 194	$3,5 \text{ mm} < l \leq 5,5$ mm	196
see 194	$5,5 \text{ mm} < l \leq 7,5$ mm	197
see 194	$7,5 \text{ mm} < l \leq 9,5$ mm	198
see 194	$9,5 \text{ mm} < l \leq 11,5$ mm	199
see 194	$11,5 \text{ mm} < l \leq 13,5$ mm	200
see 194	$13,5 \text{ mm} < l$	201
	en: conical, convex end, rounded edge, short fr: conique, bout convexe, bord arrondi, courte de: konisch, Stirn konvex, Kante rund, kurz	202
see 202	en: conical, convex end, rounded edge, standard fr: conique, bout convexe, bord arrondi, normale de: konisch, Stirn konvex, Kante rund, normal	203
see 202	en: conical, convex end, rounded edge, long fr: conique, à bout convexe, bord arrondi, longue de: konisch, Stirn konvex, Kante rund, lang	204
	en: conical with 45° chamfer fr: conique avec chanfrein à 45° de: konisch mit 45° Fase	205

Table 1 (continued)

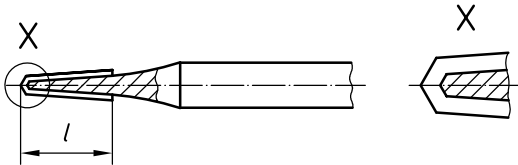
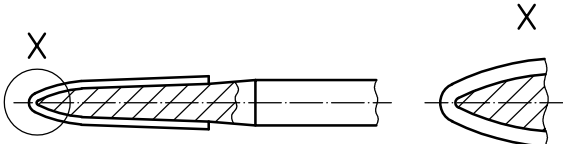
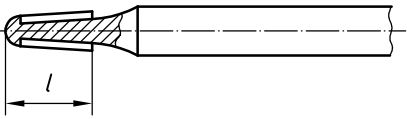
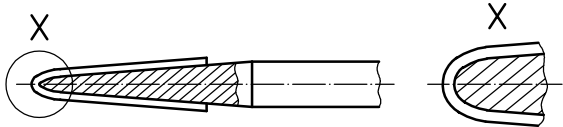
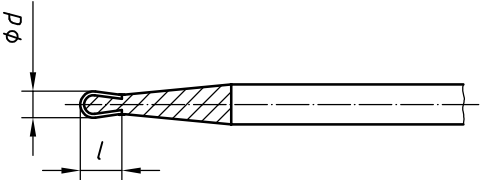
Shape and design	Designation	Code number
	<p>en: conical, pointed end fr: conique, bout pointu de: konisch, Stirn spitz</p>	206
see 206	$l \leq 3,5 \text{ mm}$	207
see 206	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	208
see 206	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	209
see 206	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	210
see 206	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	211
see 206	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	212
	<p>en: conical, ogival end fr: conique, bout ogival de: konisch, nadelförmige Spitze</p>	213
	<p>en: conical, domed end, side-cutting only fr: conique, bout hémisphérique, coupe uniquement latérale de: konisch, Stirn rund, nur Seite schneidend</p>	215
see 215	$l \leq 3,5 \text{ mm}$	216
see 215	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	217
see 215	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	218
see 215	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	219
see 215	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	220
see 215	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	221
	<p>en: conical, domed ellipsoidal end, standard fr: conique, bout hémisphérique, normale de: konisch, Stirn Ellipse, normal</p>	222
see 222	<p>en: conical, domed ellipsoidal end, long fr: conique, bout hémisphérique, longue de: konisch, Stirn Ellipse, lang</p>	223
	<p>en: pear with straight collar, standard fr: poire avec extension droite, normale de: Birne mit geradem Ansatz, normal $d < l \leq 3 d$</p>	224

Table 1 (continued)

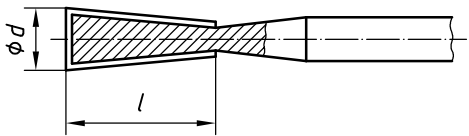
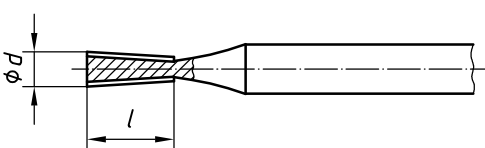
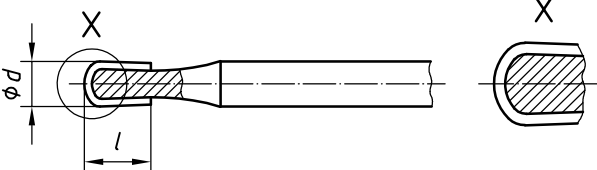
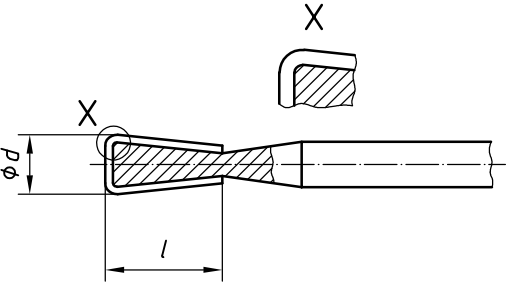
Shape and design	Designation	Code number
	en: inverted conical fr: conique inversée de: umgekehrt konisch $d < l \leq 3 d$	225
see 225	$3 d < l$	226
see 225	$5 \text{ mm} < l$	227
	en: inverted conical, side-cutting only fr: conique inversée, coupe uniquement latérale de: umgekehrt konisch, nur Seite schneidend $d < l \leq 3 d$	229
see 229	$3 d < l$	230
	en: inverted conical, convex end, rounded edge, short fr: conique inversée, bout convexe, bord arrondi, courte de: umgekehrt konisch, Stirn konvex, Kante rund, kurz	232
see 232	en: inverted conical, convex end, rounded edge, standard fr: conique inversée, bout convexe, bord arrondi, normale de: umgekehrt konisch, Stirn konvex, Kante rund, normal	233
see 232	en: inverted conical, convex end, rounded edge, long fr: conique inversée, bout convexe, bord arrondi, longue de: umgekehrt konisch, Stirn konvex, Kante rund, lang $3 d < l$	234
	en: inverted conical, rounded edge, standard fr: conique inversée, bord arrondi, normale de: umgekehrt konisch, Kante rund, normal $d < l \leq 3 d$	235
see 235	$3 d < l$	236

Table 1 (continued)

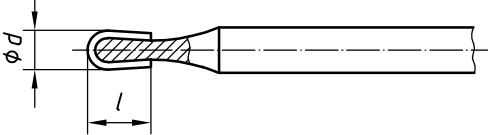
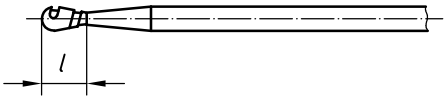
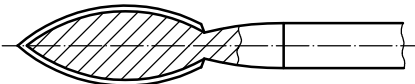
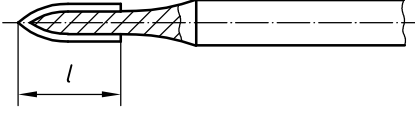
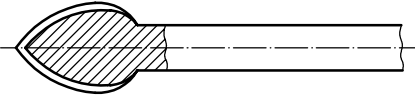
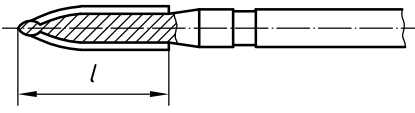
Shape and design	Designation	Code number
	en: pear fr: poire de: Birne $d < l \leq 3 d$	237
see 237	$3 d < l$	238
see 237	5 mm < l	239
	en: pear, helicoidal groove left fr: poire, sillon hélicoïdal à gauche de: Birne, linksgewundene Nut $l < 4,5 \text{ mm}$	240
see 240	$l > 4,5 \text{ mm}$	241
	en: flame, standard fr: flamme, normale de: Flamme, normal	243
see 243	en: flame, short fr: flamme, courte de: Flamme, kurz	244
	en: cylindrical, ogival end, long fr: cylindrique, bout ogival, longue de: zylindrisch, Stirn flammenförmig, lang	245
see 245	$l \leq 3,5 \text{ mm}$	246
see 245	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	247
see 245	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	248
see 245	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	249
see 245	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	250
see 245	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	251
see 245	$13,5 \text{ mm} < l \leq 15,5 \text{ mm}$	252
	en: bud fr: bouton de: Knospe	254
	en: cylindrical, ogival end, long, side-cutting only fr: cylindrique, bout ogival, longue, coupe uniquement latérale de: zylindrisch, Stirn flammenförmig, lang, nur Seite schneidend $5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	255
see 255	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	256

Table 1 (continued)

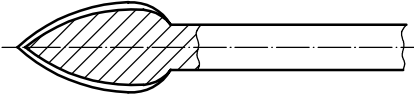
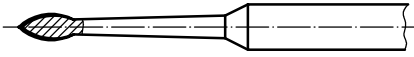
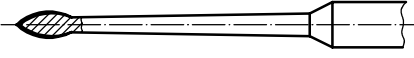
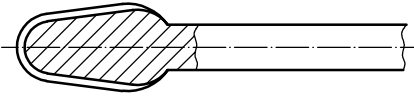
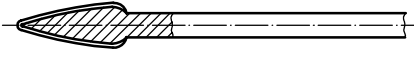
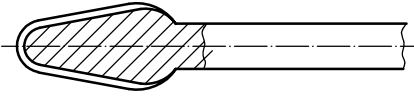



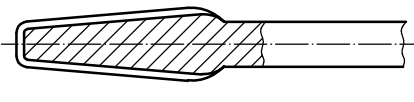
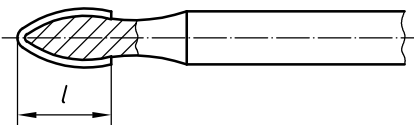
Shape and design	Designation	Code number
	en: bud, slender fr: bouton, élancée de: Knospe, schlank	257
	en: bud, slender, long neck fr: bouton, élancée, col long de: Knospe, schlank, langer Hals	258
	en: bud, slender, extra-long neck fr: bouton, élancée, col extra-long de: Knospe, schlank, extralanger Hals	259
	en: bud, rounded fr: bouton, bout rond de: Knospe, rund	260
	en: bud, slender, long fr: bouton, élancée, longue de: Knospe, schlank, lang	261
	en: bud, rounded, slender fr: bouton, bout rond, élancée de: Knospe, rund, schlank	263
	en: bud, rounded, long fr: bouton, bout rond, long de: Knospe, rund, lang	266
	en: bud, rounded, slender, long neck fr: bouton, bout rond, élancée, col long de: Knospe, rund, schlank, langer Hals	267
	en: bud, rounded, slender, extra-long neck fr: bouton, bout rond, élancée, col extra-long de: Knospe, rund, schlank, extralanger Hals	268
	en: bud, flat end, rounded edge fr: bouton, bout plat, bord arrondi de: Knospe, Stirn flach, Kante rund	269
	en: bullet fr: paraboloïde de: Granate $5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	272
see 272	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	273
see 272	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	274
see 272	$11,5 \text{ mm} < l$	275

Table 1 (continued)

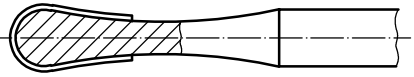
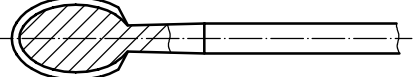
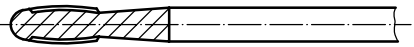
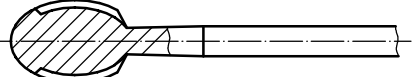
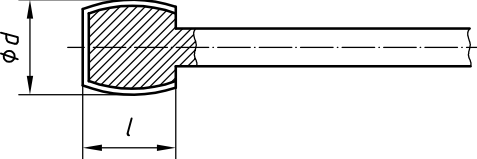

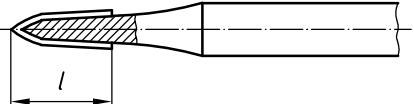
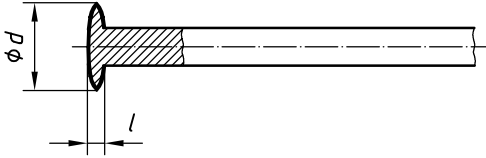
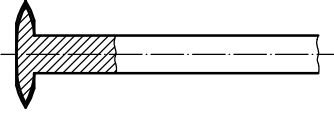
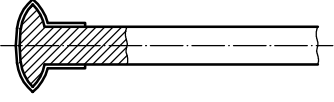
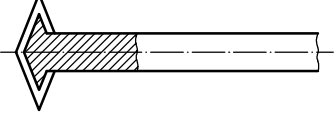
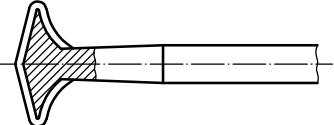
Shape and design	Designation	Code number
	en: drop fr: goutte de: Tropfen	276
	en: egg fr: œuf de: Ei	277
	en: egg, long, side-cutting fr: œuf, longue, coupe latérale de: Ei, lang, Seite schneidend	278
	en: egg, side-cutting fr: œuf, coupe latérale de: Ei, Seite schneidend	279
	en: barrel fr: ellipsoïde longitudinale symétriquement bitronquée de: Tonne $l \leq d$	280
see 280	$d < l \leq 2 d$	281
see 280	$2 d < l$	282
	en: torpedo, cylindrical fr: torpédo, cylindrique de: Torpedo, zylindrisch	284
see 284	$l \leq 2,5 \text{ mm}$	285
see 284	$2,5 \text{ mm} < l \leq 3,5 \text{ mm}$	286
see 284	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	287
see 284	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	288
see 284	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	289
see 284	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	290
see 284	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	291
see 284	$13,5 \text{ mm} < l$	292
	en: torpedo, conical fr: torpédo, conique de: Torpedo, konisch	294
see 294	$l \leq 3,5 \text{ mm}$	295
see 294	$3,5 \text{ mm} < l \leq 5,5 \text{ mm}$	296

Table 1 (continued)

Shape and design	Designation	Code number
see 294	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	297
see 294	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	298
see 294	$9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	299
see 294	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	300
	en: lens fr: lentille de: Linse $l \leq 20 \% d$	303
see 303	$20 \% d < l$	304
	en: lens, rim-cutting only fr: lentille, à coupe uniquement périphérique de: Linse, nur Rand schneidend	307
	en: lens with collar fr: lentille avec extension de: Linse mit Ansatz	310
	en: wheel, inverted conical and conical, symmetrical fr: roue, conique inversée et conique, symétrique de: Messerschneide	313
	en: wheel, inverted conical and conical, proximal concave fr: roue, conique inversée et conique, proximale concave de: Messerschneide, hinten konkav	316

5.2 Discs

Code numbers for discs shall be as given in Table 2. The numbers, shown in Table 2, range from 317 to 402.

Table 2 — Discs

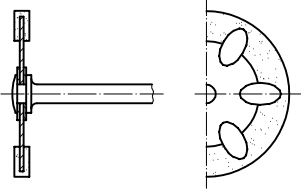
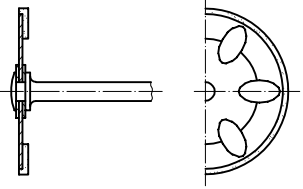
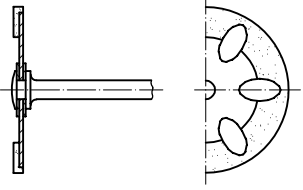
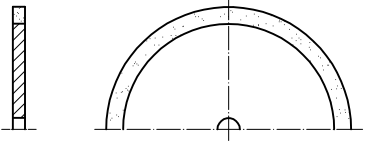
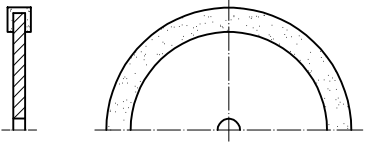
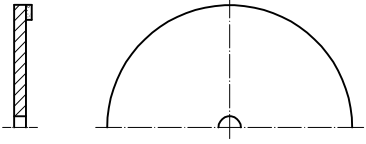
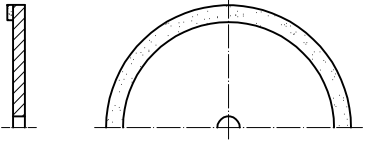
Shape and design	Designation	Code number
	<p>en: disc, very thin, perforated (oval), peripheral and rim-cutting fr: disque, très fin, perforé (oval), coupe périphérique et sur la partie adjacente de: Scheibe, sehr dünn, perforiert (oval), Umfang und Rand schneidend</p>	317
	<p>en: disc, very thin, perforated (oval), peripheral- and proximal-cutting fr: disque, très fin, perforé (oval), coupe périphérique et proximale de: Scheibe, sehr dünn, perforiert (oval), Umfang und hinten schneidend</p>	318
	<p>en: disc, very thin, perforated, peripheral- and distal-cutting fr: disque, très fin, perforé, coupe périphérique et frontale de: Scheibe, sehr dünn, perforiert (oval), Umfang und vorne schneidend</p>	319
	<p>en: disc, peripheral-cutting fr: disque, coupe périphérique de: Scheibe, Umfang schneidend</p>	320
	<p>en: disc, peripheral- and rim-cutting fr: disque, coupe à la périphérie et sur la partie adjacente de: Scheibe, Umfang und Rand schneidend</p>	321
	<p>en: disc, proximal- rim-cutting fr: disque, coupe à la partie proximale de: Scheibe, Rand hinten schneidend</p>	322
	<p>en: disc, distal- rim-cutting fr: disque, coupe à la partie frontale de: Scheibe, Rand vorne schneidend</p>	323

Table 2 (continued)

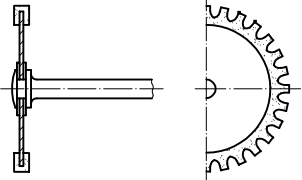
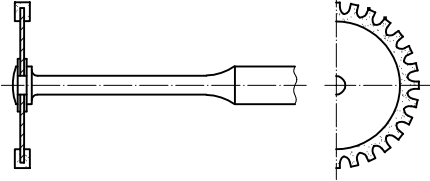
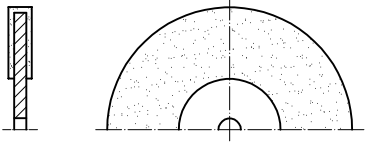
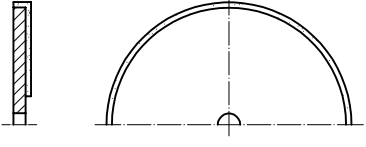
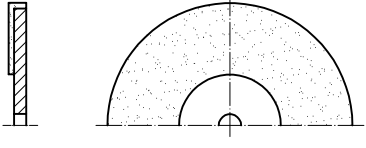
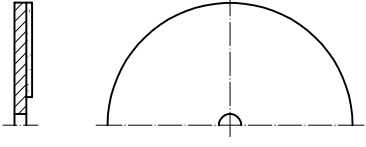
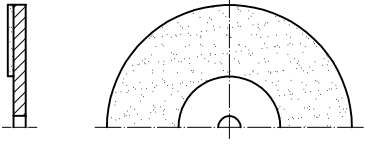
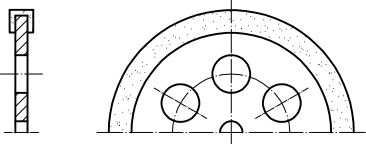
Shape and design	Designation	Code number
	<p>en: disc, very thin, with V-shaped slots, peripheral- and rim-cutting fr: disque, très fin, avec des fentes en V, coupe périphérique de: Scheibe, sehr dünn, mit V-förmigen Ausschnitten, Umfang und Rand schneidend</p>	324
	<p>en: disc, very thin, with V-shaped slots, long neck, peripheral- and rim-cutting fr: disque, très fin, avec des fentes en V, à col long, coupe périphérique de: Scheibe, sehr dünn, mit V-förmigen Ausschnitten, langer Hals, Umfang und Rand schneidend</p>	325
	<p>en: disc, standard, peripheral-, distal- and proximal-cutting fr: disque, normal, coupe à la périphérie et sur les deux faces de: Scheibe, normal, Umfang, vorne und hinten schneidend</p>	327
	<p>en: disc, peripheral- and proximal-cutting fr: disque, coupe périphérique et proximale de: Scheibe, Umfang und hinten schneidend</p>	328
	<p>en: disc, peripheral- and distal-cutting fr: disque, coupe périphérique et frontale de: Scheibe, Umfang und vorne schneidend</p>	329
	<p>en: disc, proximal-cutting only fr: disque, coupe uniquement proximale de: Scheibe, nur hinten schneidend</p>	330
	<p>en: disc, distal-cutting only fr: disque, coupe uniquement frontale de: Scheibe, nur vorne schneidend</p>	331
	<p>en: disc, perforated, peripheral- and rim-cutting fr: disque, perforé, coupe à la périphérie et sur la partie adjacente de: Scheibe, perforiert, Umfang und Rand schneidend</p>	332

Table 2 (continued)

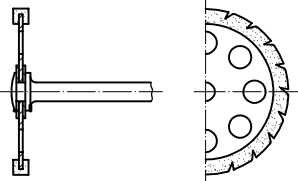
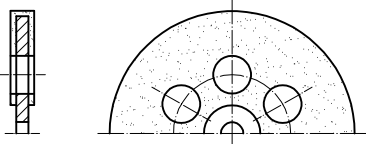
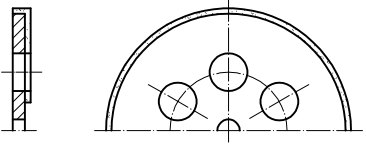
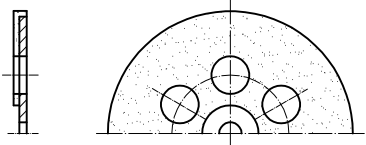
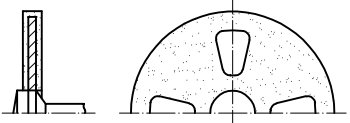
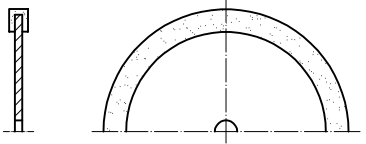
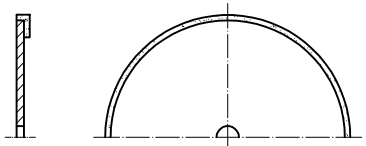
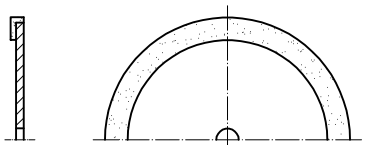
Shape and design	Designation	Code number
	<p>en: disc, perforated, diagonally serrated, peripheral- and rim-cutting fr: disque, perforé, dents en diagonale, coupe à la périphérie et sur la partie adjacente de: Scheibe, perforiert, schräg verzahnt, Umfang und Rand schneidend</p>	333
	<p>en: disc, perforated, distal-, proximal- and peripheral-cutting fr: disque, perforé, coupe à la périphérie et sur les deux faces de: Scheibe, perforiert, Umfang, vorne und hinten schneidend</p>	335
	<p>en: disc, perforated, proximal- and peripheral-cutting fr: disque, perforé, coupe périphérique et proximale de: Scheibe, perforiert, Umfang und hinten schneidend</p>	336
	<p>en: disc, perforated, distal- and peripheral-cutting fr: disque, perforé, coupe périphérique et frontale de: Scheibe, perforiert, Umfang und vorne schneidend</p>	337
	<p>en: disc, segments, distal- and peripheral-cutting fr: disque à segments, coupe périphérique et frontale de: Scheibe, Segmentierung, Umfang vorne und hinten schneidend</p>	338
	<p>en: disc, thin, peripheral- and rim-cutting fr: disque, mince, coupe à la périphérie et sur la partie adjacente de: Scheibe, dünn, Umfang und Rand schneidend</p>	340
	<p>en: disc, thin, peripheral- and proximal-rim-cutting fr: disque, mince, coupe à la périphérie et sur la partie adjacente de la face proximale de: Scheibe, dünn, Umfang und Rand hinten schneidend</p>	341
	<p>en: disc, thin, peripheral- and distal-rim-cutting fr: disque, mince, coupe à la périphérie et sur la partie adjacente de la face frontale de: Scheibe, dünn, Umfang und Rand vorne schneidend</p>	342

Table 2 (continued)

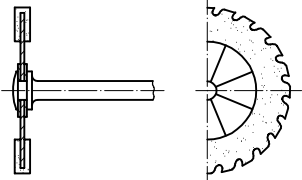
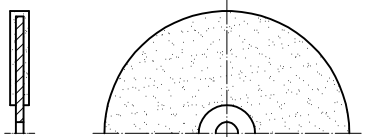
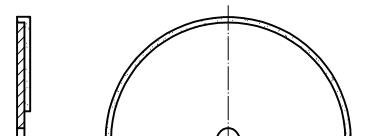
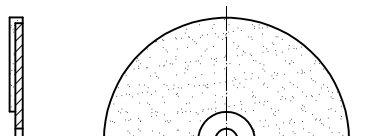
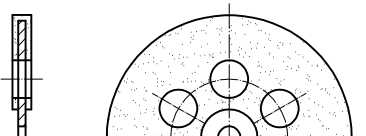
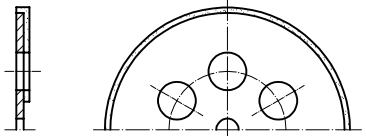
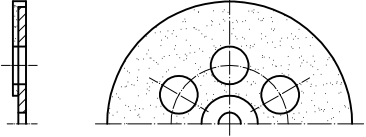
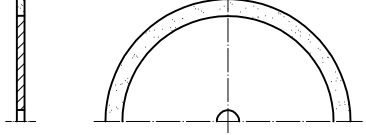
Shape and design	Designation	Code number
	<p>en: disc, very thin, diagonally serrated, peripheral- and rim-cutting fr: disque, très mince, denté en diagonale, coupe à la périphérie et sur la partie adjacente de: Scheibe, sehr dünn, schräg gezahnt, Umfang und Rand schneidend</p>	343
	<p>en: disc, thin, peripheral-, distal- and proximal-cutting fr: disque, mince, coupe à la périphérie et sur les deux faces de: Scheibe, dünn, Umfang, vorne und hinten schneidend</p>	345
	<p>en: disc, thin, peripheral- and proximal-cutting fr: disque, mince, coupe périphérique et proximale de: Scheibe, dünn, Umfang und hinten schneidend</p>	346
	<p>en: disc, thin, peripheral- and distal-cutting fr: disque, mince, coupe périphérique et frontale de: Scheibe, dünn, Umfang und vorne schneidend</p>	347
	<p>en: disc, thin, perforated, peripheral-, distal- and proximal-cutting fr: disque, mince, perforé, coupe à la périphérie et sur les deux faces de: Scheibe, dünn, perforiert, Umfang, vorne und hinten schneidend</p>	350
	<p>en: disc, thin, perforated, peripheral- and proximal-cutting fr: disque, mince, perforé, coupe périphérique et proximale de: Scheibe, dünn, perforiert, Umfang und hinten schneidend</p>	351
	<p>en: disc, thin, perforated, peripheral- and distal-cutting fr: disque, mince, perforé, coupe périphérique et frontale de: Scheibe, dünn, perforiert, Umfang und vorne schneidend</p>	352
	<p>en: disc, very thin, rim-cutting fr: disque, très mince, coupe périphérique de: Scheibe, sehr dünn, Umfang schneidend</p>	354

Table 2 (continued)

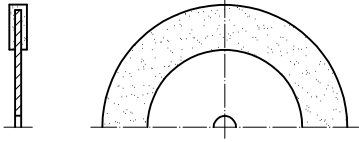
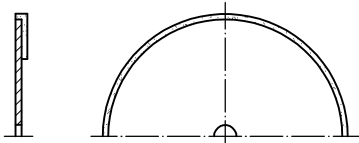
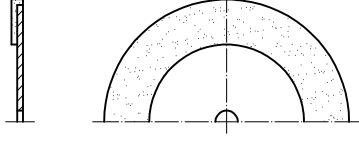
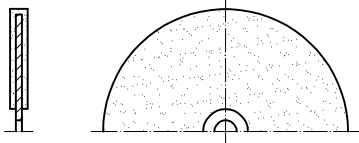
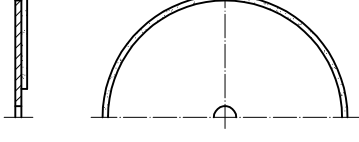
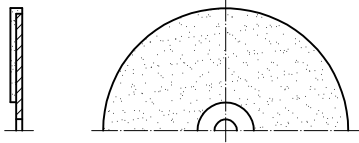
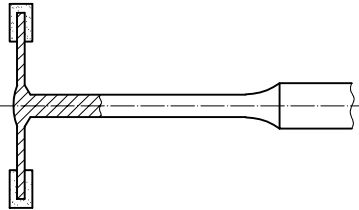
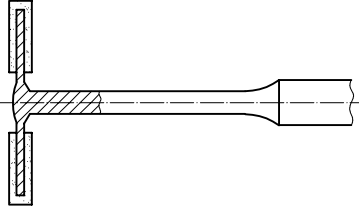
Shape and design	Designation	Code number
	<p>en: disc, very thin, peripheral- and rim-cutting fr: disque, très mince, coupe à la périphérie et sur la partie adjacente de: Scheibe, sehr dünn, Umfang und Rand schneidend</p>	355
	<p>en: disc, very thin, peripheral- and proximal-rim-cutting fr: disque, très mince, coupe à la périphérie et sur la partie adjacente de la face proximale de: Scheibe, sehr dünn, Umfang und Rand hinten schneidend</p>	356
	<p>en: disc, very thin, peripheral- and distal-rim-cutting fr: disque, très mince, coupe à la périphérie et sur la partie adjacente de la face frontale de: Scheibe, sehr dünn, Umfang und Rand vorne schneidend</p>	357
	<p>en: disc, very thin, peripheral-, distal- and proximal-cutting fr: disque, très mince, coupe à la périphérie et sur les deux faces de: Scheibe, sehr dünn, Umfang, vorne und hinten schneidend</p>	358
	<p>en: disc, very thin, peripheral- and proximal-cutting fr: disque, très mince, coupe périphérique et proximale de: Scheibe, sehr dünn, Umfang und hinten schneidend</p>	359
	<p>en: disc, very thin, peripheral- and distal-cutting fr: disque, très mince, coupe périphérique et frontale de: Scheibe, sehr dünn, Umfang und vorne schneidend</p>	360
	<p>en: disc, very thin, long neck, peripheral- and rim-cutting fr: disque, très mince, col long, coupe à la périphérie et sur la partie adjacente de: Scheibe, sehr dünn, langer Hals, Umfang und Rand schneidend</p>	361
	<p>en: disc, very thin, long neck, peripheral-, distal- and proximal-cutting fr: disque, très mince, col long, coupe périphérique, distale et proximale de: Scheibe, sehr dünn, langer Hals, Umfang, vorne und hinten schneidend</p>	362

Table 2 (continued)

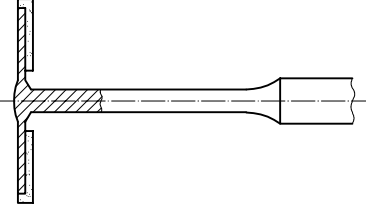
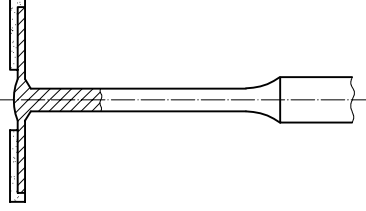
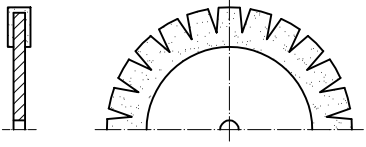
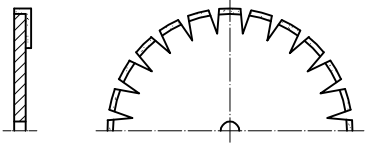
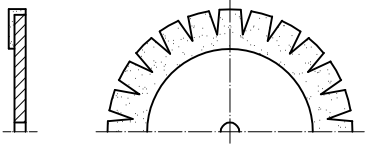
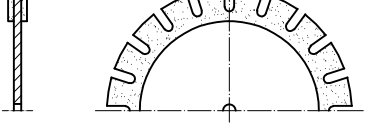
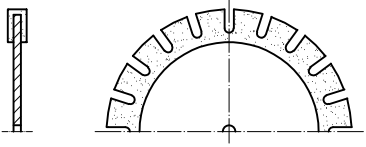
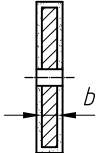
Shape and design	Designation	Code number
	<p>en: disc, very thin, long neck, peripheral- and proximal-cutting fr: disque, très mince, col long, coupe périphérique et proximale de: Scheibe, sehr dünn, langer Hals, Umfang und hinten schneidend</p>	363
	<p>en: disc, very thin, long neck, peripheral- and distal-cutting fr: disque, très mince, col long, coupe périphérique et frontale de: Scheibe, sehr dünn, langer Hals, Umfang und vorne schneidend</p>	364
	<p>en: disc, thin, peripheral- and rim-cutting, with V-shaped slots fr: disque, mince, coupe périphérique et latérale, avec des fentes en V de: Scheibe, dünn, Umfang und Rand schneidend, mit V-förmigen Ausschnitten</p>	365
	<p>en: disc, thin, peripheral- and proximal-rim-cutting, with V-shaped slots fr: disque, mince, coupe à la périphérie et sur la partie proximale, avec des fentes en V de: Scheibe, dünn, Umfang und Rand hinten schneidend, mit V-förmigen Ausschnitten</p>	366
	<p>en: disc, thin, peripheral- and distal-rim-cutting, with V-shaped slots fr: disque, mince, coupe périphérique et latérale, avec des fentes en V de: Scheibe, dünn, Umfang und Rand vorne schneidend, mit V-förmigen Ausschnitten</p>	367
	<p>en: disc, straight serrated, peripheral- and rim-cutting fr: disque, denté, coupe périphérique et latérale de: Scheibe, gerade gezahnt, Umfang und Rand schneidend</p>	368
	<p>en: disc, thin, straight serrated, peripheral- and rim-cutting fr: disque, mince, denté, coupe périphérique et latérale de: Scheibe, dünn, gerade gezahnt, Umfang und Rand schneidend</p>	369
	<p>en: disc fr: disque de: Scheibe</p>	370

Table 2 (continued)

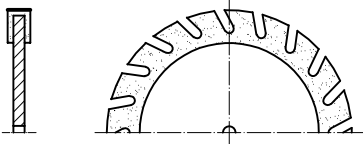
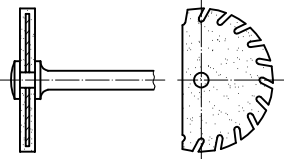
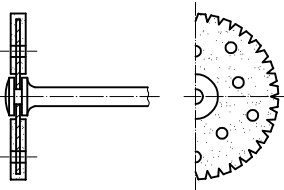
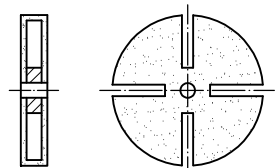
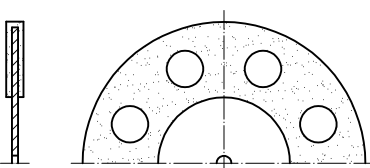
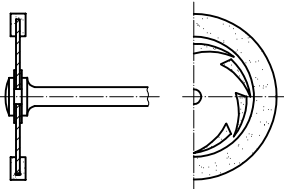
Shape and design	Designation	Code number
see 370	$b \leq 1,5 \text{ mm}$	371
see 370	$1,5 \text{ mm} < b \leq 3 \text{ mm}$	372
see 370	$3 \text{ mm} < b \leq 4,5 \text{ mm}$	373
see 370	$4,5 \text{ mm} < b \leq 6 \text{ mm}$	374
see 370	$6 \text{ mm} < b \leq 7,5 \text{ mm}$	375
see 370	$7,5 \text{ mm} < b \leq 9 \text{ mm}$	376
	<p>en: disc, thin, diagonally serrated, peripheral- and rim-cutting</p> <p>fr: disque, mince, denture diagonale, coupe à la périphérie et sur les deux faces</p> <p>de: Scheibe, dünn, schräg gezahnt, Umfang und Rand schneidend</p>	377
	<p>en: disc, very thin, diagonally serrated, peripheral-, distal- and proximal-cutting</p> <p>fr: disque, très mince, à dents de scie inclinées, coupe à la périphérie et sur les deux faces</p> <p>de: Scheibe, sehr dünn, schräg gezahnt, Umfang, vorne und hinten schneidend</p>	378
	<p>en: disc, thin, with V-shaped slots, double holes, peripheral-, distal- and proximal-cutting</p> <p>fr: disque, mince, avec des fentes en V, à double trou, coupe à la périphérie et sur les deux faces</p> <p>de: Scheibe, dünn, mit V-förmigen Ausschnitten, doppelter Lochkreis, Umfang, vorne und hinten schneidend</p>	379
	<p>en: disc, with orthogonal slots, peripheral-, distal- and proximal-cutting</p> <p>fr: disque, à fentes orthogonales, coupe sur les deux faces et à la périphérie</p> <p>de: Scheibe, mit geraden Schlitzten, Umfang, vorne und hinten schneidend</p>	380
	<p>en: disc, very thin, perforated, peripheral- and rim-cutting</p> <p>fr: disque, très mince, perforé, coupe périphérique et latérale</p> <p>de: Scheibe, sehr dünn, perforiert, Umfang, vorne und hinten schneidend</p>	381
	<p>en: disc, very thin, segmented, both sides coated, peripheral- and rim-cutting</p> <p>fr: disque, très mince, segmenté, recouvert sur les deux faces, coupe périphérique et latérale</p> <p>de: Scheibe, sehr dünn, segmentiert, Umfang und Rand schneidend</p>	382

Table 2 (continued)

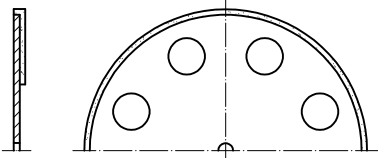
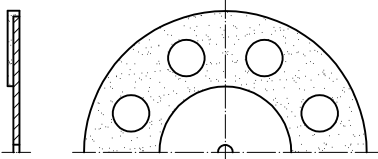
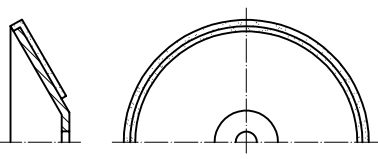
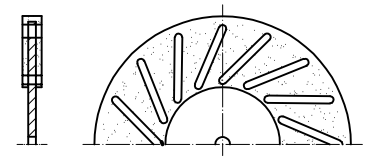
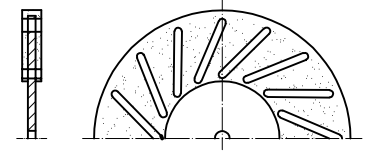
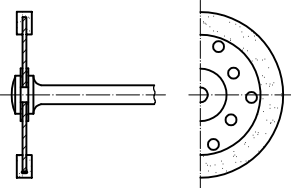
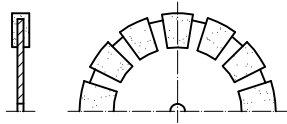
Shape and design	Designation	Code number
	<p>en: disc, very thin, perforated, peripheral- and proximal-rim broad-cutting fr: disque, très mince, perforé, coupe périphérique et proximale de: Scheibe, sehr dünn, perforiert, Umfang und Rand hinten schneidend</p>	384
	<p>en: disc, very thin, perforated-, peripheral- and distal-rim broad-cutting fr: disque, très mince, perforé, coupe périphérique et distale de: Scheibe, sehr dünn, perforiert, Umfang und Rand vorne schneidend</p>	385
	<p>en: disc, inverted conical, peripheral- and proximal-cutting fr: disque à cône inversé, coupe périphérique et proximale de: Scheibe, umgekehrt konisch Umfang und hinten schneidend</p>	386
	<p>en: disc, very thin, obliquely slotted, peripheral-, distal- and proximal-cutting fr: disque, très mince, perforé en fentes obliques, coupe à la périphérie et sur les deux faces de: Scheibe, sehr dünn, schräg geschlitzt, Umfang, vorne und hinten schneidend</p>	389
	<p>en: disc, thin, obliquely slotted, peripheral-, distal- and proximal-cutting fr: disque, mince, perforé en fentes obliques, coupe à la périphérie et sur les deux faces de: Scheibe, dünn, schräg geschlitzt, Umfang, vorne und hinten schneidend</p>	390
	<p>en: disc, thin, coated rim, double holes, peripheral- and rim-cutting fr: disque, mince, recouvert sur le bord, à double trou, coupe périphérique et latérale de: Scheibe, dünn, beschichteter Rand, doppelter Lochkreis, Umfang und Rand schneidend</p>	397
	<p>en: disc, thin, segmented, double-sided, peripheral- and rim-cutting fr: disque, mince, segmenté, deux faces, coupe périphérique et latérale de: Scheibe, dünn, doppelseitig segmentiert, Umfang und Rand schneidend</p>	398

Table 2 (continued)

Shape and design	Designation	Code number
	<p>en: disc, thin, segmented, single-sided, peripheral- and distal-rim-cutting</p> <p>fr: disque, mince, segmenté, une face, coupe périphérique et distale</p> <p>de: Scheibe, dünn, einseitig segmentiert, Umfang und Rand vorne schneidend</p>	399
	<p>en: disc open meshed, very thin, peripheral- and rim-cutting</p> <p>fr: disque à mouillage ouvert, très mince, coupe périphérique et latérale</p> <p>de: Netzscheibe, sehr dünn, Umfang und Rand schneidend</p>	400
	<p>en: disc, very thin, perforated, fully coated, peripheral-, distal- and proximal-cutting</p> <p>fr: disque, très mince, perforé, totalement recouvert, coupe à la périphérie et sur les deux faces</p> <p>de: Scheibe, sehr dünn, perforiert, ganzbeschichtet, Umfang, vorne und hinten schneidend</p>	401
	<p>en: disc, very thin, perforated, fully coated, peripheral-, distal- and proximal-cutting</p> <p>fr: disque, très mince, perforé, totalement recouvert, coupe à la périphérie et sur les deux faces</p> <p>de: Scheibe, sehr dünn, perforiert, ganzbeschichtet, Umfang, vorne und hinten schneidend</p>	402

5.3 Special instruments

Code numbers given in Table 3 shall be used for special instruments. The numbers, shown in Table 3, range from 403 to 588.

NOTE Examples of special instruments are: bone cutters, wax scrapers, trephines, implant burs.

Table 3 — Special instruments

Shape and design	Designation	Code number
	<p>en: bone cutter, conical pointed, with internal cooling</p> <p>fr: fraise à os, conique pointue, avec conduits de refroidissement</p> <p>de: Knochenfräser, konisch, mit Innenkühlung</p> <p>5 mm < l ≤ 7 mm</p>	403
see 403	10 mm < l ≤ 11 mm	404

Table 3 (continued)

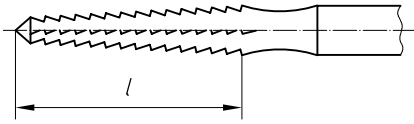

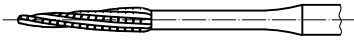
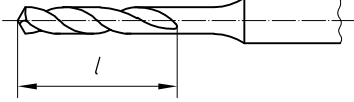
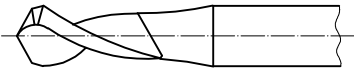
Shape and design	Designation	Code number
	en: bone cutter, conical pointed fr: fraise à os, conique pointue de: Knochenfräser, konisch spitz	405
see 405	$l \leq 5$ mm	406
see 405	$5 \text{ mm} < l \leq 7$ mm	407
see 405	$7 \text{ mm} < l \leq 9$ mm	408
see 405	$9 \text{ mm} < l \leq 10$ mm	409
see 405	$10 \text{ mm} < l \leq 11$ mm	410
see 405	$11 \text{ mm} < l \leq 22$ mm	411
see 405	$22 \text{ mm} < l \leq 35$ mm	412
	en: cutter for implants, conical, cross-out fr: fraise pour implants, conique, surtaillée de: Implantatbohrer, konisch, Querhieb	414
	en: cutter for implants, long neck fr: fraise pour implants, col long de: Implantatbohrer, langer Hals	415
	en: helicoidal drill fr: foret hélicoïdal de: Spiralbohrer	417
see 417	$l \leq 3$ mm	418
see 417	$3 \text{ mm} < l \leq 4$ mm	419
see 417	$4 \text{ mm} < l \leq 5$ mm	420
see 417	$5 \text{ mm} < l \leq 6$ mm	421
see 417	$6 \text{ mm} < l \leq 8$ mm	422
see 417	$8 \text{ mm} < l \leq 10$ mm	423
see 417	$10 \text{ mm} < l \leq 15$ mm	424
see 417	$15 \text{ mm} < l \leq 20$ mm	425
see 417	$20 \text{ mm} < l \leq 25$ mm	426
see 417	$25 \text{ mm} < l \leq 30$ mm	427
	en: trepan bur fr: fraise à trépaner de: Trepanbohrer	429

Table 3 (continued)

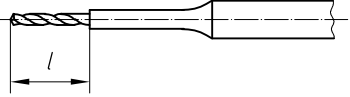
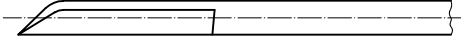
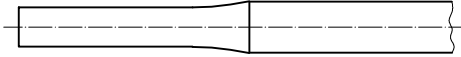
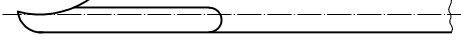


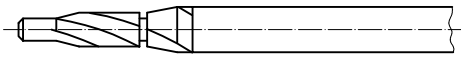

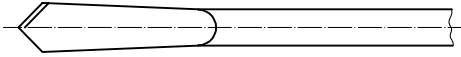
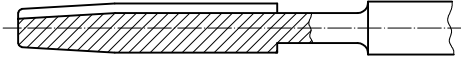
Shape and design	Designation	Code number
	<p>en: helicoïdal drill with shoulder fr: foret hélicoïdal avec épaulement de: Spiralbohrer mit Anschlag $l \leq 2 \text{ mm}$</p>	430
see 430	$2 \text{ mm} < l \leq 3 \text{ mm}$	431
see 430	$3 \text{ mm} < l \leq 4 \text{ mm}$	432
see 430	$4 \text{ mm} < l \leq 5 \text{ mm}$	433
see 430	$5 \text{ mm} < l \leq 6 \text{ mm}$	434
	<p>en: wax scraper, cylindrical fr: grattoir à cire, cylindrique de: Wachsschaber, zylindrisch</p>	437
	<p>en: wax scraper fr: grattoir à cire de: Wachsschaber</p>	438
	<p>en: wax scraper, cylindrical, round fr: grattoir à cire, cylindrique, à bout rond de: Wachsschaber, zylindrisch, rund</p>	439
	<p>en: wax cutter, cylindrical, round fr: fraise à cire, cylindrique, à bout rond de: Wachssäser, zylindrisch, rund</p>	440
	<p>en: wax scraper, conical, single-edged blade fr: grattoir à cire, conique, un seul tranchant de: Wachsschaber, konisch, nur eine Seite schneidend</p>	443
	<p>en: counter-sink bur fr: fraise pour racines de: Zapfensenker</p>	444
	<p>en: wax drill, cylindrical, helicoïdal fr: foret à cire, cylindrique, hélicoïdal de: Wachsbohrer, zylindrisch, spiralförmig</p>	448
	<p>en: spear drill fr: foret lancéolé de: Speerbohrer</p>	455
	<p>en: reamer, cylindrical, conical fr: alésoir, cylindrique, conique de: Reibahle für Riegelachsenbohrung</p>	458

Table 3 (continued)

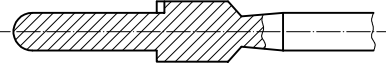
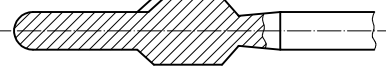
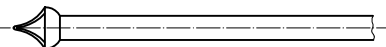
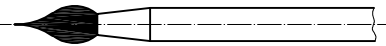

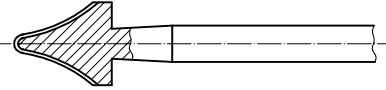
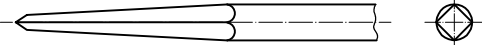
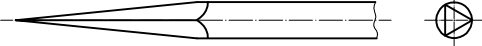

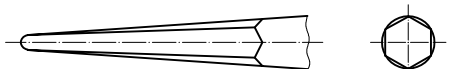
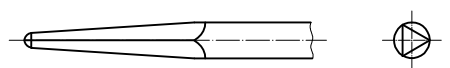
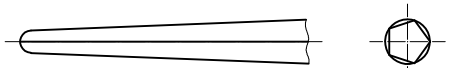
Shape and design	Designation	Code number
	en: drill with guide, straight-cutting blade fr: foret avec guide, droit coupant de: Riegelachsenbohrer, gerade Schneide	461
	en: drill with guide, diagonal-cutting blade fr: foret avec guide, diagonal coupant de: Riegelachsenbohrer, schräge Schneide	462
	en: hemispherical proximal, conical concave tip, distal-tip-cutting fr: hémisphérique proximal, bout conique concave, partie distale coupante de: halbrund hinten, konisch konkave Stirn, Stirn vorne schneidend	463
	en: onion fr: oignon de: Zwiebel	464
	en: interdental bur fr: fraise interdendaire, hyperboloïdale de: Interdentalbohrer	465
	en: bur, conical concave-side fr: fraise, hyperboloïdale de: Bohrer, konisch konkav	466
	en: bur, conical, four sides, squared, pointed fr: fraise, conique, quatre pans, pointue de: Vierkantbohrer, konisch, spitz	467
	en: bur, conical, triangular, pointed fr: foret, conique, triangulaire, pointu de: Dreikantbohrer, konisch, spitz	468
	en: scaler, six sides, standard fr: vibreur à détartrer, six pans, normal de: Zahnsteinentferner, sechskantig, normal	469
	en: scaler, six sides, long fr: vibreur à détartrer, six pans, long de: Zahnsteinentferner, sechskantig, lang	470
	en: bur, conical, three sides, round end fr: foret, conique, trois pans, bout rond de: Dreikantbohrer, konisch, Stirn rund	471
	en: bur, conical, five sides, round end fr: foret, conique, cinq pans, bout rond de: Fünfkantbohrer, konisch, Stirn rund	472

Table 3 (continued)

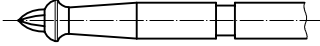
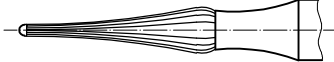
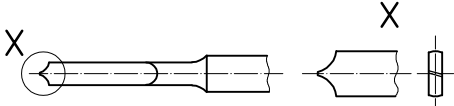
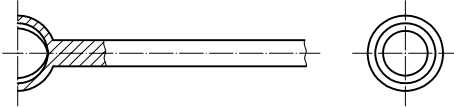
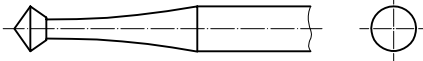
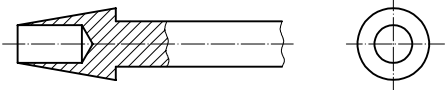
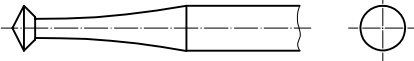
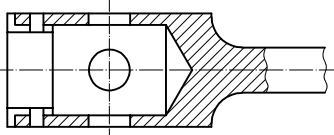
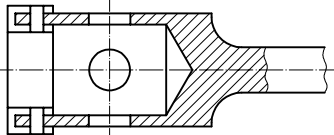
Shape and design	Designation	Code number
	<p>en: semi-spherical proximal, convex tip, tip-cutting only</p> <p>fr: cône inversé sur la partie proximale, pointe convexe, à coupe uniquement sur la partie frontale</p> <p>de: halbrund hinten, konvexe Spitze, nur Spitze schneidend</p>	473
	<p>en: interdental bur, round end</p> <p>fr: fraise hémisphérique-hyperboloïdale, bout rond</p> <p>de: Interdentalbohrer, Stirn rund</p>	474
	<p>en: cylindrical drill, with two straight-cutting blades</p> <p>fr: foret cylindrique, à deux lames droites</p> <p>de: Perlbohrer</p>	475
	<p>en: inverted hemispherical, hollow</p> <p>fr: hémisphérique inversée, creuse</p> <p>de: Hohlbohrer</p>	476
	<p>en: inverted conical, conical</p> <p>fr: conique inversée, conique</p> <p>de: Doppelkegel</p>	477
	<p>en: cutter, tubular, conical</p> <p>fr: couteau tubulaire, conique</p> <p>de: Zirkuliersmesser</p>	478
	<p>en: inverted conical, conical, short</p> <p>fr: conique inversée, conique, court</p> <p>de: Doppelkegel, kurzer Kopf</p>	480
	<p>en: trephine, cylindrical, with circular window, end- and inside-cutting</p> <p>fr: trépan, cylindrique, avec évent circulaire, coupe en bout et à l'intérieur de la partie adjacente</p> <p>de: Hohlschleifer, zylindrisch, mit Querbohrung, Stirn und Rand innen schneidend</p>	482
	<p>en: trephine, cylindrical, with circular window, end- and inside- and outside-rim-cutting</p> <p>fr: trépan, cylindrique, avec évent circulaire, coupe en bout et sur les parties à l'intérieur et à l'extérieur adjacentes</p> <p>de: Hohlschleifer, zylindrisch, mit Querbohrung, Stirn und Rand innen und außen schneidend</p>	483

Table 3 (continued)

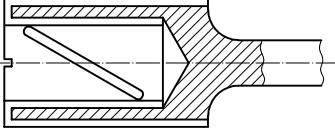
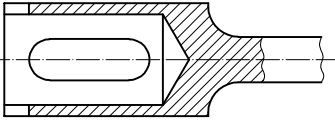
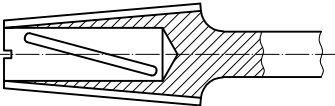
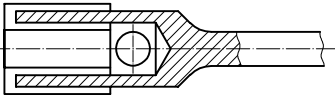
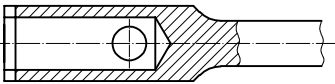
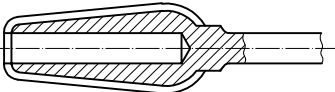
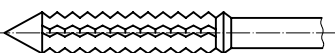
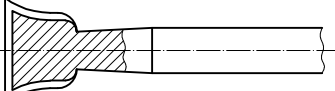
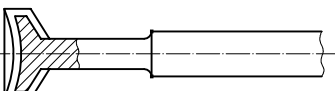

Shape and design	Designation	Code number
	<p>en: trephine with oblique longitudinal window, internal-, external- and end-cutting</p> <p>fr: trépan avec évent longitudinal oblique, coupe en bout et sur les faces interne et externe</p> <p>de: Hohlschleifer mit Längsnut, Stirn und innen und außen schneidend</p>	484
	<p>en: trephine, cylindrical, with window, end-cutting</p> <p>fr: trépan ajouré, cylindrique, avec évent, coupant en bout</p> <p>de: Hohlschleifer, zylindrisch, mit Fenster, Stirn schneidend</p>	485
	<p>en: trephine, conical, with oblique longitudinal window, side-cutting</p> <p>fr: trépan, conique, avec évent longitudinal oblique, coupe latérale</p> <p>de: Hohlschleifer, konisch, mit Längsnut, außen schneidend</p>	487
	<p>en: trephine, cylindrical, with crosshole, front-, outside- and inside-cutting</p> <p>fr: trépan, cylindrique, avec événements circulaires, coupe en bout extérieure et intérieure</p> <p>de: Hohlschleifer, zylindrisch, mit Querbohrung, Stirn, außen und innen schneidend</p>	488
	<p>en: trephine, cylindrical, with crosshole, end-cutting</p> <p>fr: trépan, cylindrique, avec évent circulaire, coupe en bout</p> <p>de: Hohlschleifer, zylindrisch, mit Querbohrung, Stirn schneidend</p>	489
	<p>en: plaster cutter, bud, rounded, hollow</p> <p>fr: fraise à plâtre, bouton, ronde, avec évent creuse</p> <p>de: Gipsfräser, Knospe, rund, mit Bohrung</p>	490
	<p>en: plaster cutter, cylindrical pointed</p> <p>fr: fraise à plâtre, cylindrique pointue</p> <p>de: Gipsfräser, zylindrisch spitz</p>	491
	<p>en: bell</p> <p>fr: hyperboloïdo-hémisphérique inversée</p> <p>de: Glocke</p>	492
	<p>en: wheel, inverted conical, concave end</p> <p>fr: roue, conique inversée, bout concave</p> <p>de: Rad, umgekehrter Kegel, Stirn konkav</p>	493
	<p>en: spherical with conical collar, long</p> <p>fr: sphérique avec extension conique, longue</p> <p>de: rund mit konischem Ansatz, lang</p>	494

Table 3 (continued)

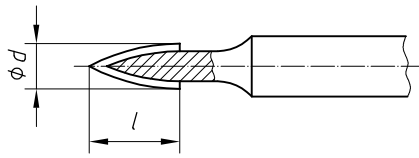
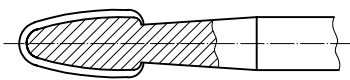
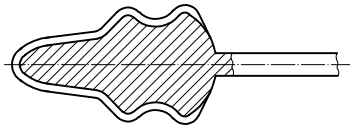
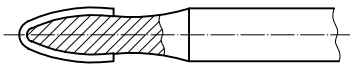
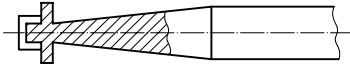
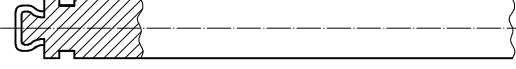
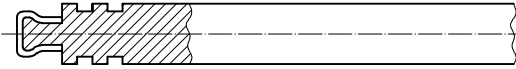
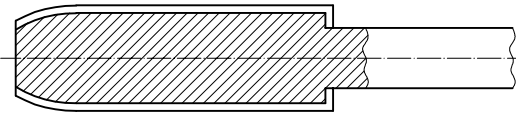
Shape and design	Designation	Code number
	<p>en: pointed, short fr: pointue, courte de: Nadelform, kurz $l \leq 3 d$</p>	495
<p>see 495</p>	<p>$l \geq 3 d$</p>	496
	<p>en: bud, oval fr: bouton, ovale de: Knospe, oval</p>	497
	<p>en: bud, round, with radial groove fr: bouton, arrondi, avec sillon radial de: Knospe, rund, mit Radialnut</p>	498
	<p>en: longitudinal ellipsoidal fr: ellipsoïde longitudinale de: Geschoß</p>	499
	<p>en: cylindrical with shoulder, short fr: cylindrique avec épaulement, courte de: zylindrisch mit Anschlag, kurz</p>	500
<p>see 500</p>	<p>en: cylindrical with shoulder, standard fr: cylindrique avec épaulement, normale de: zylindrisch mit Anschlag, normal</p>	501
	<p>en: inverted conical with shoulder, rounded edge, one groove fr: conique inversée avec épaulement, bord arrondi, un sillon de: umgekehrter Kegel mit Anschlag, Kante rund, eine Rille</p>	502
	<p>en: inverted conical with double shoulder, rounded edge, two grooves fr: conique inversée avec double épaulement, bord arrondi, deux sillons de: umgekehrter Kegel mit doppeltem Anschlag, Kante rund, zwei Rillen</p>	503
	<p>en: cylindrical, rounded, with flat end, side-cutting fr: cylindrique, arrondie, avec bout plat, à coupe latérale de: zylindrisch, abgerundet, mit flacher Stirn, Seite schneidend</p>	505

Table 3 (continued)

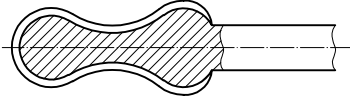
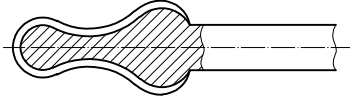
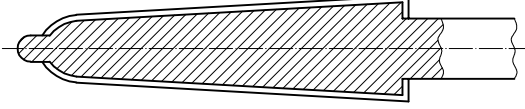
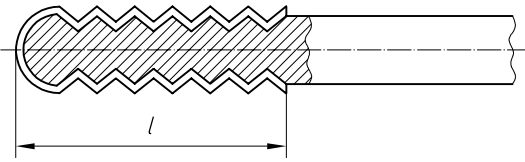
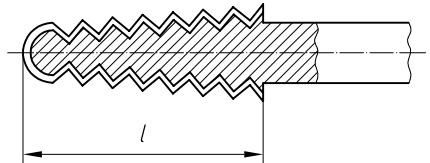
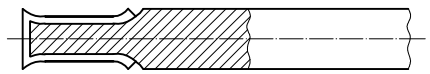
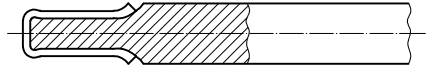
Shape and design	Designation	Code number
	en: cylindrical, hemispherical, concave side fr: cylindrique, hémisphérique, côté concave de: zylindrisch, halbrund, konkave Seite	506
	en: conical, hemispherical, concave side fr: conique, hémisphérique, côté concave de: konisch, halbrund, konkave Seite	507
	en: conical, rounded, side-cutting with guide fr: conique, arrondie, à coupe latérale, guidée de: konisch, rund, Seite schneidend mit Zapfen	508
	en: cylindrical, rounded, with straight grooves fr: cylindrique, arrondie, avec cannelures triangulaires de: zylindrisch, rund, mit geraden Rillen $l \leq 4,5$ mm	510
see 510	$4,5 \text{ mm} < l \leq 6,5 \text{ mm}$	511
see 510	$6,5 \text{ mm} < l \leq 7,5 \text{ mm}$	512
see 510	$7,5 \text{ mm} < l \leq 8,5 \text{ mm}$	513
see 510	$8,5 \text{ mm} < l \leq 9,5 \text{ mm}$	514
see 510	$9,5 \text{ mm} < l$	515
	en: conical, rounded, with straight grooves fr: conique, arrondie, avec cannelures triangulaires de: konisch, rund, mit geraden Rillen $l \leq 4,5$ mm	516
see 516	$4,5 \text{ mm} < l \leq 6,5 \text{ mm}$	517
see 516	$6,5 \text{ mm} < l \leq 7,5 \text{ mm}$	518
see 516	$7,5 \text{ mm} < l \leq 8,5 \text{ mm}$	519
see 516	$8,5 \text{ mm} < l \leq 9,5 \text{ mm}$	520
see 516	$9,5 \text{ mm} < l$	521
	en: conical, cylindrical, inverted conical fr: conique, cylindrique, conique inversée de: konisch, zylindrisch, umgekehrter Kegel	523
	en: conical, cylindrical, inverted conical, rounded edge fr: conique, cylindrique, conique inversée, bord arrondi de: konisch, zylindrisch, umgekehrter Kegel, Kante rund	526

Table 3 (continued)

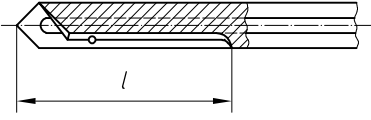
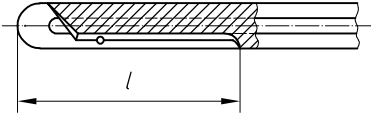
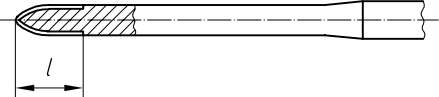
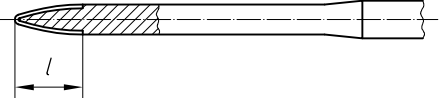
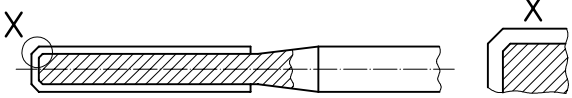
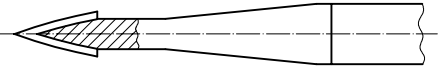
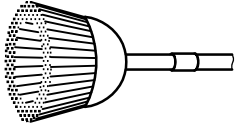

Shape and design	Designation	Code number
	<p>en: implant bur, cylindrical pointed, with internal cooling fr: fraise pour implant, cylindrique pointue, avec conduits de refroidissement de: Implantatbohrer (Schaftlochbohrer), zylindrisch spitz, mit Innenkühlung</p>	527
	<p>en: implant bur, cylindrical, domed, short, with internal cooling fr: fraise pour implant, cylindrique, ronde, courte, avec conduits de refroidissement de: Implantatbohrer (Schaftlochbohrer), zylindrisch, rund, kurz, mit Innenkühlung</p>	530
	<p>en: bur, torpedo, long neck fr: fraise, torpédo, col long de: Bohrer, Torpedo, langer Hals $l \leq 2,5 \text{ mm}$</p>	534
<p>see 534</p>	<p>$2,5 \text{ mm} < l \leq 3,5 \text{ mm}$</p>	535
	<p>en: bur, torpedo, conical, long neck fr: fraise, torpédo, conique, col long de: Bohrer, Torpedo, konisch, langer Hals $l \leq 2,5 \text{ mm}$</p>	536
<p>see 534</p>	<p>$2,5 \text{ mm} < l \leq 3,5 \text{ mm}$</p>	537
	<p>en: bur, cylindrical with 45° chamfer fr: fraise, cylindrique avec chanfrein à 45° de: Bohrer, zylindrisch mit 45° Fase</p>	538
	<p>en: bur, needle-shaped, short, long neck fr: fraise, ogivale, courte, col long de: Bohrer, Nadelform, kurz, langer Hals</p>	539
<p>see 539</p>	<p>en: bur, needle-shaped, standard, long neck fr: fraise, ogivale, normale, col long de: Bohrer, Nadelform, normal, langer Hals</p>	540
	<p>en: brush, inverted conical, hollow cup fr: brosette, conique inversée, creuse de: Bürste, umgekehrt konisch, Kelch hohl</p>	541
	<p>en: brush fr: brosette, pinceau de: Pinsel</p>	542

Table 3 (continued)

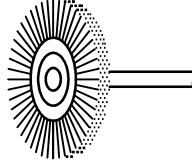
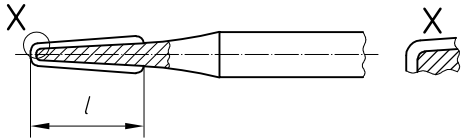

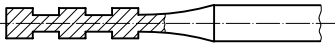
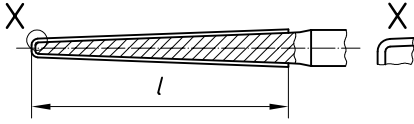
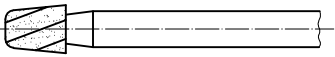
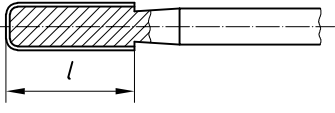
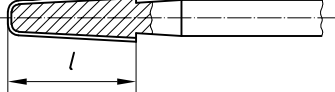
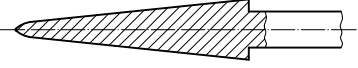
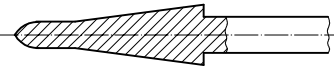
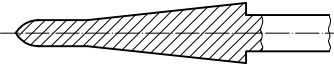
Shape and design	Designation	Code number
	en: brush, wheel fr: brosette, roue de: Bürste, Rad	543
	en: bur, conical, rounded edge fr: fraise, conique, bord arrondi de: Bohrer, konisch, Kante rund $l \leq 5,5 \text{ mm}$	544
see 544	$5,5 \text{ mm} < l \leq 7,5 \text{ mm}$	545
see 544	$7,5 \text{ mm} < l \leq 9,5 \text{ mm}$	546
	en: bur, conical with ball, side-cutting only fr: fraise, conique avec sphère, coupe uniquement latérale de: Bohrer, konisch mit Kugel, nur Seite schneidend	551
	en: instrument for depth marking fr: instrument pour profondeur de coupe de: Instrument zur Tiefenmarkierung	552
	en: bur, conical, rounded edge fr: fraise, conique, bord arrondi de: Bohrer, konisch, Kante rund $9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	553
	en: bur, conical, rounded edge, with groove fr: fraise, conique, bord arrondi, avec cannelure de: Bohrer, konisch, Kante rund, mit Nut	559
	en: bur, cylindrical, rounded edge fr: fraise, cylindrique, bord arrondi de: Bohrer, zylindrisch, Kante rund $9,5 \text{ mm} < l \leq 11,5 \text{ mm}$	582
see 582	$11,5 \text{ mm} < l \leq 13,5 \text{ mm}$	583
	en: bur, conical, rounded edge fr: fraise, conique, bord arrondi de: Bohrer, konisch, Kante rund $l = 5,5 \text{ mm}$	584
see 584	$l = 9,0 \text{ mm}$	585
	en: V-shaped fr: forme en V de: V-Form	586

Table 3 (continued)

Shape and design	Designation	Code number
	en: Y-shaped, short fr: forme en Y, courte de: Y-Form, kurz	587
	en: Y-shaped, long fr: forme en Y, longue de: Y-Form, lang	588

5.4 Mandrels and accessories

Code numbers given in Table 4 shall be used for mandrels and accessories. The numbers, shown in Table 4, range from 600 to 624.

Table 4 — Mandrels and accessories

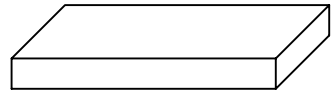
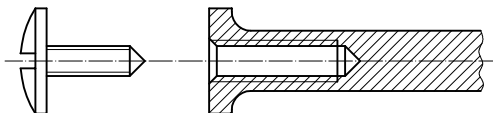
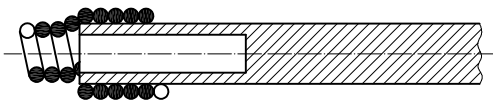
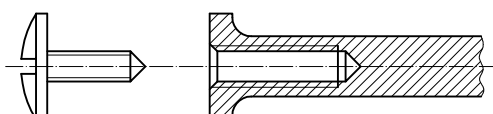
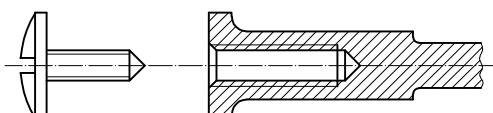
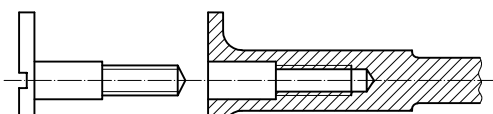
Shape and design	Designation	Code number
	en: grindstone, parallelepiped fr: pierre à aiguiser, parallélépipédique de: Abziehstein, rechteckiger Querschnitt	600
	en: mandrel for discs, with left-hand thread fr: mandrin pour disques, avec filetage à gauche de: Träger für Scheiben, mit Linksgewinde	601
	en: mandrel with helicoidal spring grip fr: mandrin à entraînement par ressort hélicoïdal de: Träger mit Spiralfederspannung	602
	en: mandrel for discs, with internal thread and screw fr: mandrin pour disques, avec filetage interne et vis de: Träger für Scheiben, mit Innengewinde und Spanschraube	603
	en: mandrel for discs, reinforced, with internal thread and screw fr: mandrin pour disques, renforcé, avec filetage interne et vis de: Träger für Scheiben, verstärkt, mit Innengewinde und Spanschraube	604
	en: mandrel for discs, reinforced, shouldered screw for strength fr: mandrin pour disques, renforcé, avec filetage et vis de: Träger für Scheiben, verstärkt, mit Passung und Spanschraube	605

Table 4 (continued)

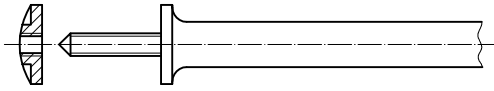
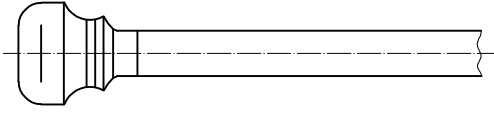
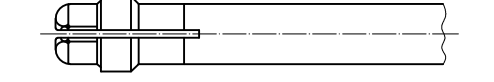
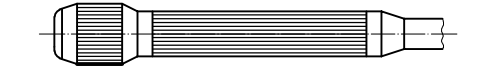
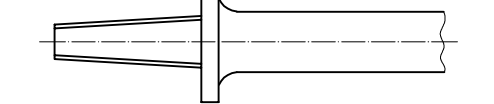
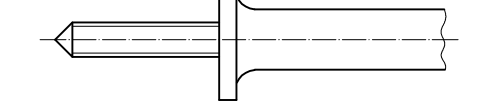
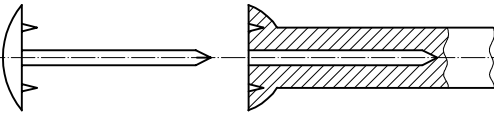
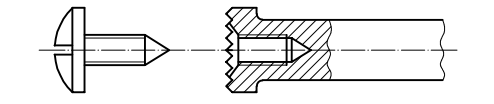
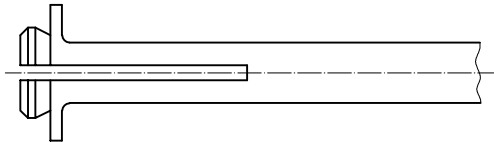
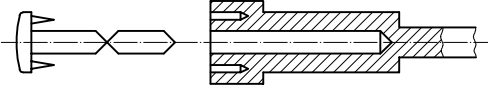
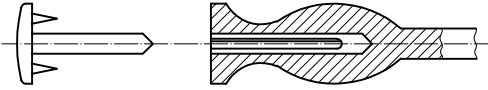
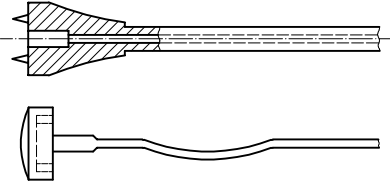
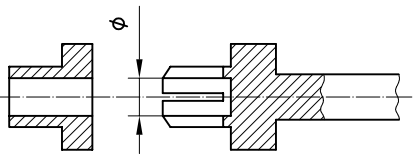
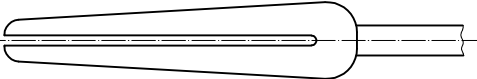
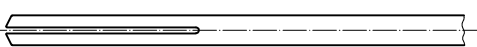
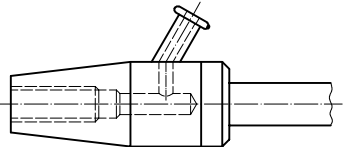
Shape and design	Designation	Code number
	<p>en: mandrel for discs, with external thread and nut fr: mandrin pour disques, avec filetage externe et écrou de: Träger für Scheiben, mit festem Gewindeansatz und Mutter</p>	606
	<p>en: mandrel with collar, for rubber polisher and brushes fr: mandrin avec extension, pour polisseur en caoutchouc et brochettes de: Träger mit Ansatz, für Gummipolierer und Bürsten</p>	607
	<p>en: mandrel with cross-cut, for paper discs fr: mandrin fendu en croix, pour disques papier de: Träger mit Kreuzschlitz, für Papierscheiben</p>	608
	<p>en: mandrel with chuck, for polishers fr: mandrin avec embout, pour polissoirs de: Träger mit Spannzange, für Pinpolierer</p>	609
	<p>en: mandrel with external thread, conical fr: mandrin avec filetage externe, conique de: Träger mit Holzschraubengewinde, konisch</p>	610
	<p>en: mandrel with external thread fr: mandrin avec filetage externe de: Träger mit äußerem Gewindeansatz</p>	611
	<p>en: mandrel with pin chuck and two locating prongs, for paper discs fr: mandrin avec aiguille et deux griffes, pour disques papier de: Träger mit Haltestift, für Papierscheiben</p>	613
	<p>en: mandrel with internal thread and short distal toothing, short screw, for paper discs fr: mandrin avec filetage interne et dentelures distales courtes, vis courte, pour disques papier de: Träger mit Innengewinde und kurzer, verzahnter Auflagefläche, kurze Schraube, für Papierscheiben</p>	614
	<p>en: mandrel, split, with square-end stop, for paper discs fr: mandrin, fendu, avec tête quadrangulaire et butée, pour disques papier de: Träger, geschlitzt, mit Vierkantaufnahme, für Papierscheiben</p>	615

Table 4 (continued)

Shape and design	Designation	Code number
	<p>en: mandrel with elastic pin chuck and two locating prongs, for paper discs fr: mandrin avec aiguille élastique et deux griffes, pour disques papier de: Träger mit speziellem Haltestift, für Papierscheiben</p>	616
	<p>en: mandrel with triangular pin chuck and two locating prongs, for paper discs fr: mandrin avec aiguille triangulaire et deux griffes, pour disques papier de: Träger mit Dreikanthaltestift, für Papierscheiben</p>	617
	<p>en: mandrel with two locating prongs and elastic-needle pin chuck, for paper discs fr: mandrin avec deux griffes pour aiguille élastique, pour disques papier de: Träger mit speziellem Haltestift, für Papierscheiben</p>	618
	<p>en: mandrel with two locating prongs and elastic-needle pin chuck fr: mandrin avec deux griffes pour aiguille élastique de: Träger mit Spannzange $\varnothing = 1,6 \text{ mm}$</p>	619
<p>see 619</p>	<p>$\varnothing = 2,0 \text{ mm}$</p>	620
<p>see 619</p>	<p>$\varnothing = 3,0 \text{ mm}$</p>	621
	<p>en: mandrel, split, conical, for paper discs fr: mandrin, fendu, conique, pour disques papier de: Träger, geschlitzt, konisch, für Papierscheiben</p>	622
	<p>en: mandrel, split, cylindrical, for paper discs fr: mandrin, fendu, cylindrique, pour disques papier de: Träger, geschlitzt, zylindrisch, für Papierscheiben</p>	623
	<p>en: adapter for instruments with internal cooling fr: adaptateur pour instruments avec conduits de refroidissement de: Adapter für Instrumente mit Innenkühlung</p>	624

5.5 Root-canal instruments

Code numbers given in Table 5 shall be used for root-canal instruments. The numbers, shown in Table 5, range from 880 to 999.

Table 5 — Root-canal instruments

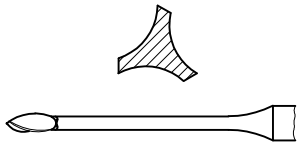
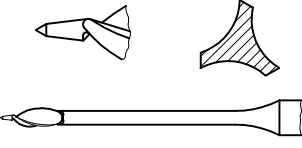
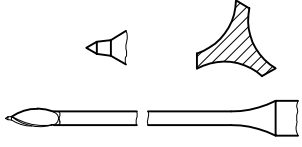
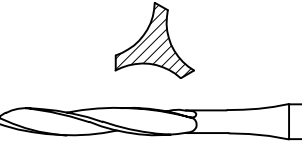
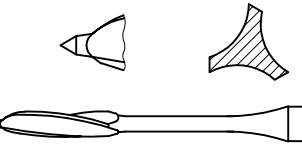
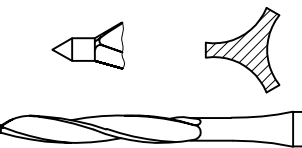
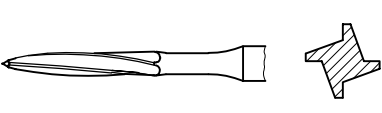

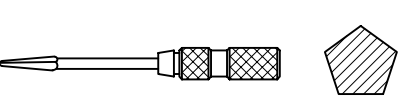
Shape and design	Designation	Code number
	en: enlarger, type G, without guiding tip fr: élargisseur, type G, sans guide de: Erweiterer, Typ G, ohne Führungszapfen	880
	en: enlarger, type G, with guiding tip fr: élargisseur, type G, avec guide de: Erweiterer, Typ G, mit Führungszapfen	881
	en: enlarger, type G with guiding tip, long neck fr: élargisseur, type G, avec guide, col long de: Erweiterer, Typ G, mit Führungszapfen, langer Hals	882
	en: enlarger, type P, without guiding tip fr: élargisseur, type P, sans guide de: Erweiterer, Typ P, ohne Führungszapfen	885
	en: enlarger, type P, with guiding tip fr: élargisseur, type P, avec guide de: Erweiterer, Typ P, mit Führungszapfen	886
	en: enlarger, type M fr: élargisseur, type M de: Erweiterer, Typ M	887
	en: enlarger, type B1 fr: élargisseur, type B1 de: Erweiterer, Typ B1	888
	en: enlarger, type B2 fr: élargisseur, type B2 de: Erweiterer, Typ B2	889
	en: orifice opener, pentagonal fr: foret tronconique d'ouverture, pentagonal de: Erweiterer, fünfkantig	892

Table 5 (continued)


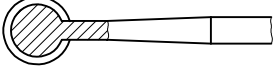
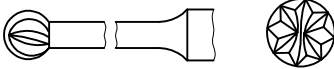

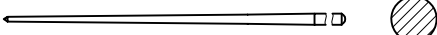
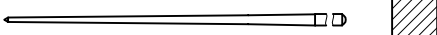

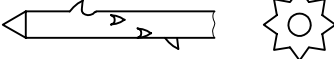
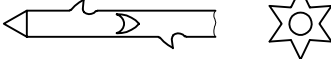
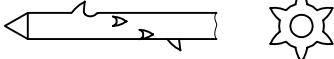
Shape and design	Designation	Code number
	<p>en: reamer, long neck fr: élargisseur, col long de: Bohrer, langer Hals</p>	893
	<p>en: enlarger, spherical, long neck fr: élargisseur, sphérique, col long de: Erweiterer, rund, langer Hals</p>	896
	<p>en: endodontic spherical bur, Mueller type, extra-long fr: fraise endodontique sphérique, type Müller, extra-longue de: Pulpabohrer, Typ Müller, extralang</p>	897
	<p>en: Miller needle, pentagonal fr: Sonde Miller à arêtes, pentagonale de: Millernadel, fünfkantig</p>	900
	<p>en: smooth broach, round fr: broche, lisse de: Sonde, rund</p>	901
	<p>en: smooth broach, square fr: broche, carrée de: Sonde, vierkantig</p>	902
	<p>en: enlarger, rat-tail rasp fr: élargisseur, lime queue-de-rat de: Erweiterer, Rattenschwanzfeile</p>	907
	<p>en: rat-tail rasp fr: lime queue-de-rat de: Rattenschwanzfeile</p>	908
	<p>en: barbed broach fr: broche barbelée de: Nervnadel</p>	909
	<p>en: enlarger, barbed broach fr: élargisseur, broche barbelée de: Erweiterer, Nervnadel</p>	910

Table 5 (continued)

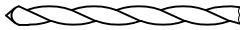
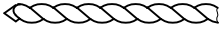
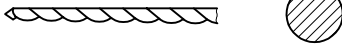

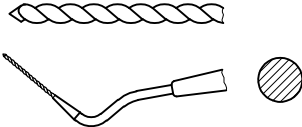
Shape and design	Designation	Code number
	en: reamer, type K, flexible fr: broche, type K, flexible de: Bohrer, Typ K, flexibel	916
see 916	en: reamer, type K fr: broche, type K de: Bohrer, Typ K	917
see 916	en: reamer, type K, taper 10 % fr: broche, type K, conicité 10 % de: Bohrer, Typ K, Konizität 10 %	919
see 916	en: reamer, type K, taper 12 % fr: broche, type K, conicité 12 % de: Bohrer, Typ K, Konizität 12 %	921
	en: file, type K, flexible fr: lime, type K, flexible de: Feile, Typ K, flexibel	925
see 925	en: file, type K fr: lime, type K de: Feile, Typ K	926
	en: file, type K, non-cutting side fr: lime, type K, face lisse de: Feile, Typ K, abgeflacht	927
	en: file, type K, taper 10 % fr: lime, type K, conicité 10 % de: Feile, Typ K, Konizität 10 %	928
see 928	en: file, type K, taper 12 % fr: lime, type K, conicité 12 % de: Feile, Typ K, Konizität 12 %	930
see 928	en: file, type K, non-cutting tip fr: lime, type K, sans guide de: Feile, Typ K, nicht schneidende Spitze	931
	en: file, type K, angled fr: lime, type K, coudée de: Feile, Typ K, abgewinkelt	934

Table 5 (continued)



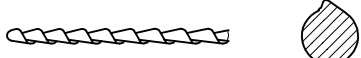


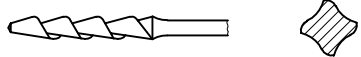

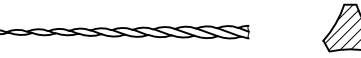
Shape and design	Designation	Code number
	en: file, type H fr: racleur, type H de: Feile, Typ H	937
see 937	en: file, type H, taper 10 % fr: racleur, type H, conicité 10 % de: Feile, Typ H, Konizität 10 %	938
see 937	en: file, type H, taper 12 % fr: racleur, type H, conicité 12 % de: Feile, Typ H, Konizität 12 %	940
	en: file, type H, non-cutting side fr: racleur, type H, face lisse de: Feile, Typ H, abgeflacht	941
	en: file, type H, non-cutting tip fr: racleur, type H, sans guide de: Feile, Typ H, nicht schneidende Spitze	942
	en: file, type H, two cutting edges fr: racleur, type H, double hélice de: Feile, Typ H, zwei Schneidekanten	945
	en: apical reamer, type H, three cutting edges fr: lime apicale, type H, trois lèvres de: Apexfeile, Typ H, drei Schneidekanten	946
	en: apical reamer, type H, four cutting edges fr: lime apicale, type H, quatre lèvres de: Apexfeile, Typ H, vier Schneidekanten	947
	en: apical reamer, type K, four cutting edges fr: lime apicale, type K, quatre lèvres de: Apexfeile, Typ K, vier Schneidekanten	948
	en: file, U-shaped, three cutting edges fr: lime, forme en U, à trois méplats radiaux de: Feile, U-Form, drei Schneidekanten	951
see 951	en: file, U-shaped, three cutting edges, taper 10 %, fr: lime, forme en U, à trois méplats radiaux, conicité 10 % de: Feile, U-Form, drei Schneidekanten, Konizität 10 %	953

Table 5 (continued)



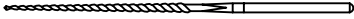

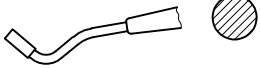
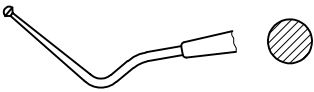
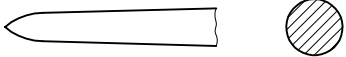
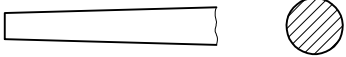
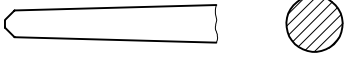
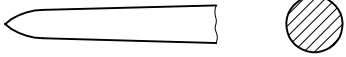
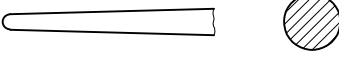
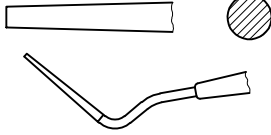
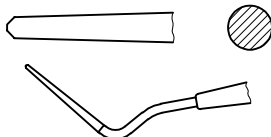
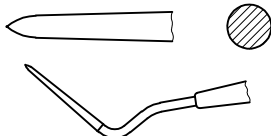
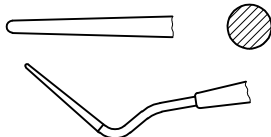
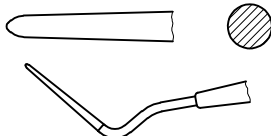


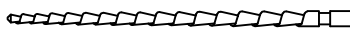
Shape and design	Designation	Code number
see 951	en: file, U-shaped, three cutting edges, taper 12 % fr: lime, forme en U, à trois méplats radiaux, conicité 12 % de: Feile, U-Form, drei Schneidekanten, Konizität 12 %	955
	en: file, asymmetrical cross-section fr: lime, section asymétrique de: Feile, asymmetrischer Querschnitt	959
	en: file, type K, alternating helix fr: lime, type K, hélice alternée de: Feile, Typ K, wechselnde Windung	962
	en: ultrasonic file fr: lime ultrasonique de: Ultraschallfeile	965
	en: ultrasonic insert, pointed, angled fr: insert ultrasonique, pointu, coudé de: Ultraschalleinsatz, spitz, abgewinkelt	966
	en: ultrasonic insert, cylindrical tip, angled fr: insert ultrasonique, pointe cylindrique, coudé de: Ultraschalleinsatz, zylindrische Spitze, abgewinkelt	967
	en: ultrasonic insert, spherical tip, angled fr: insert ultrasonique, pointe sphérique, coudé de: Ultraschalleinsatz, kugelförmige Spitze, abgewinkelt	968
	en: absorbent point fr: pointe absorbante de: Papierspitzen (absorbierende Spitzen)	974
	en: filling condenser (plugger), sharp edge fr: fouloir, arête vive de: Wurzelkanalstopfer, scharfe Kante	980
	en: filling condenser (plugger), rounded edge fr: fouloir, arête arrondie de: Wurzelkanalstopfer, Kante rund	981
	en: filling condenser (spreader), pointed tip fr: fouloir, pointu de: Füllungsverteiler, spitz	982

Table 5 (continued)

Shape and design	Designation	Code number
	<p>en: filling condenser (spreader), round tip fr: fouloir, pointe ronde de: Füllungsverteiler, runde Spitze</p>	983
	<p>en: filling condenser (plugger), sharp edge, angled fr: fouloir, arête vive, coudé de: Wurzelkanalstopfer, scharfe Kante, abgewinkelt</p>	987
	<p>en: filling condenser (plugger), rounded edge, angled fr: fouloir, arête arrondie, coudé de: Wurzelkanalstopfer, abgerundete Kante, abgewinkelt</p>	988
	<p>en: filling condenser (spreader), pointed tip, angled fr: fouloir, pointu, coudé de: Füllungsverteiler, spitz, abgewinkelt</p>	989
	<p>en: filling condenser, (spreader) round tip, angled fr: fouloir, pointe ronde, coudé de: Füllungsverteiler, runde Spitze, abgewinkelt</p>	990
	<p>en: heat carrier, angled fr: porte-chaleur, coudé de: Wärmeleiter, abgewinkelt</p>	991
	<p>en: paste carrier, without safety spiral fr: bourre-pâte, sans ressort de sécurité de: Wurzelfüller, ohne Sicherheitsspirale</p>	997
	<p>en: paste carrier, with safety spiral fr: bourre-pâte, avec ressort de sécurité de: Wurzelfüller, mit Sicherheitsspirale</p>	998
	<p>en: compactor for obturation material fr: compacteur pour matériaux d'obturation de: Verdichter für Füllungsmaterial</p>	999

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