

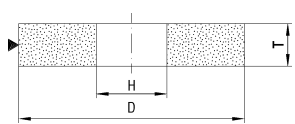
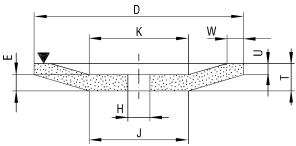
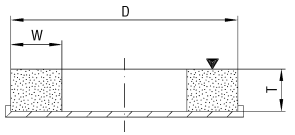
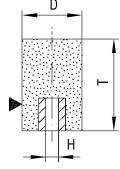
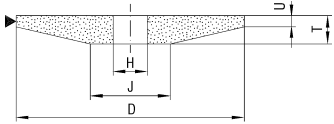
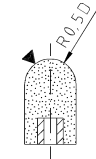
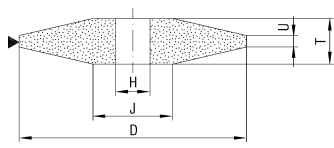
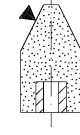
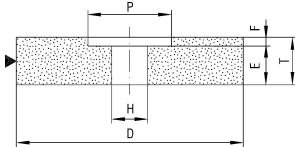
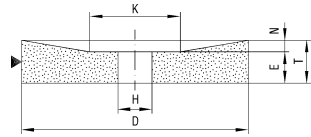
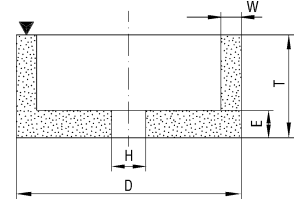
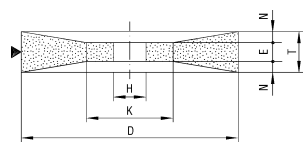
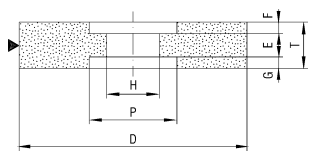
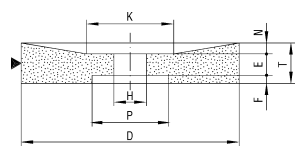
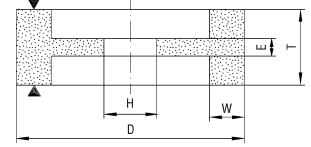
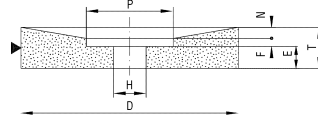
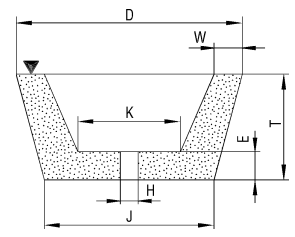
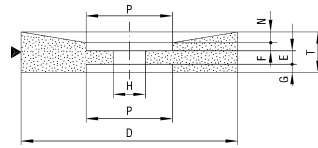


Overview of Bonded Abrasive Product Shapes

Legend of bonded abrasive product designations

DIN ISO	Designation
Straight, cup, dish, plug and cylindrical grinding wheels	
D	Outside diameter
T	Overall thickness
H	Diameter of wheel bore
E	Back thickness of cup and dish grinding wheels or thickness at hole of relieved wheels with recesses
J	Small outside diameter of tapered grinding wheel, taper-cup of dish and saucer grinding wheels, outside diameter of hub
P	Recess diameter
K	Small inner diameter of taper-cup, dish and saucer grinding wheels, inner diameter of relief
F	Depth of first recess
G	Depth of second recess
N	Depth of first relief
U	Thickness of grinding face when smaller than T for wheels used on their periphery
W	Width of grinding face for wheels used laterally
Grinding segments, honing sticks and grinding bricks and sticks	
A	Small base of trapezoidal grinding segment
D	Outside diameter
B	Width of grinding segment, stick or brick
H	Diameter of wheel bore
C	Thickness of grinding segment, stick or brick
L	Length of grinding segment, stick or brick
R	Radius
Mounted grinding wheels and points	
D	Outside diameter
T	Overall thickness
S	Shaft diameter
L ₀	Unsupported length of shaft on a shaft mounted wheel
L ₁	Shaft length including overall thickness
L ₂	Free shaft length
L ₃	Shaft length within clamp

Straight, cup, dish, plug and cylindrical grinding wheels

No. ISO	Shape	Designation of characteristics	No. ISO	Shape	Designation of characteristics
1		Straight grinding wheel (D x T x H)	12		Dish grinding wheel (D/J x T/U x H - W x E x K)
2		Cylindrical grinding wheel, cemented (D x T -W) (Delivery without backing plate, generally attached with cement by the user.)	18		Grinding plug, flat end (D x T x H)
3		Grinding wheel, tapered one side (D/J x T/U x H)	18 R		Grinding plug, round end (D x T x H)
4		Grinding wheel, tapered on both sides (D/J x T/U x H)	19		Grinding plug, conical end, flat tip (D x T x H)
5		Grinding wheel, recessed one side (D x T x H - P x F)	20		Grinding wheel, relieved one side (D/K x T/N x H)
6		Straight cup grinding wheel (D x T x H - W x E)	21		Grinding wheel, relieved on both sides (D/K x T/N x H)
7		Grinding wheel, recessed on both sides (D x T x H - P x F/G)	22		Grinding wheel, relieved one side recessed other side (D/K x T/N x H - P x F)
9		Double cup grinding wheel (D x T x H - W x E)	23		Grinding wheel, relieved and recessed same side (D x T/N x H - P x F)
11		Taper cup grinding wheel (D/J x T x H - W x E x K)	24		Grinding wheel, relieved and recessed one side, recessed other side (D x T/N x H - P x F/G)

▼ Indicates the grinding face of bonded abrasive products.

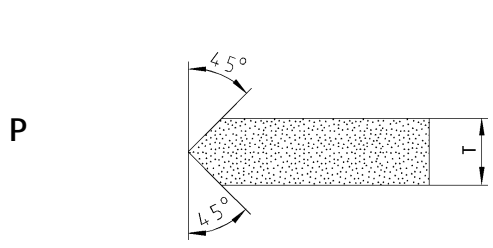
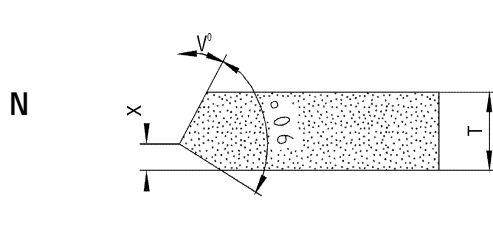
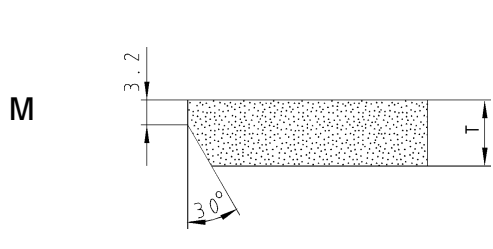
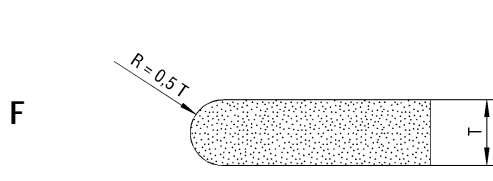
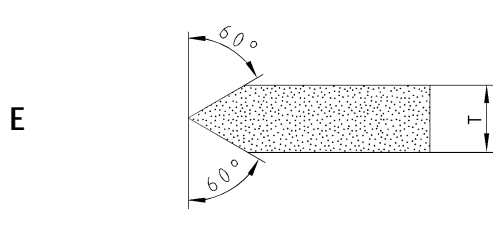
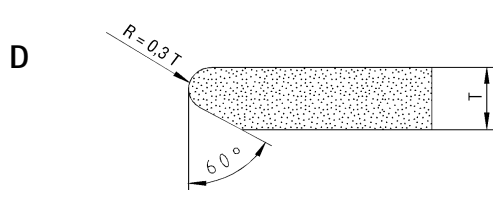
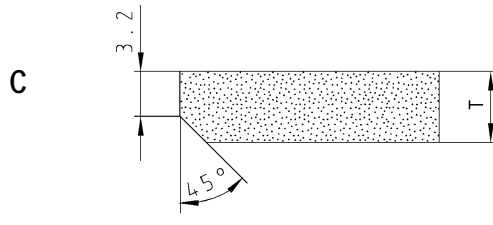
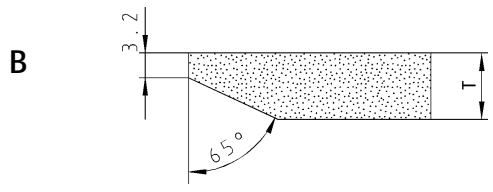
Straight, cup, dish, plug and cylindrical grinding wheels

No. ISO	Shape	Designation of characteristics	No. ISO	Shape	Designation of characteristics
25		Grinding wheel, relieved and recessed one side, relieved other side (D/K x T/N x H - P x F)	41		Straight cutting-off wheel (D x T x H)
26		Grinding wheel, relieved and recessed on both sides (D x T/N x H - P x F/G)	42		Depressed centre cutting-off wheel (D x U x H)
27		Depressed centre grinding wheel (D x U x H)			
28		Coolie hat grinding wheel (D x U x H)			
35		Disc grinding wheel, cemented (D x T x H) (Delivery without backing plate, generally attached with cement by the user.)			
36		Disc grinding wheel with inserted nuts (D x T x H) (Delivery without backing plate, generally attached with screws by the user.)			
37		Cylindrical grinding wheel with inserted nuts (D x T x W) (Delivery without backing plate, generally attached with screws by the user.)			
38		Hubbed grinding wheel (D/J x T/U x H)			
39		Duplex hubbed grinding wheel (D/J x T/U x H)			

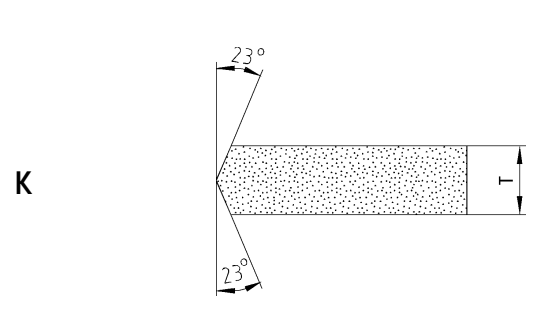
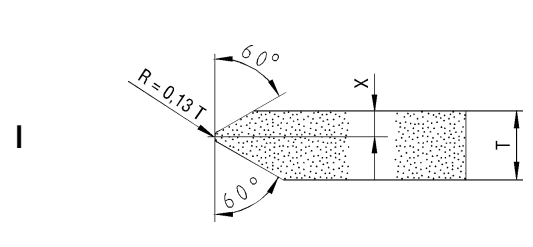
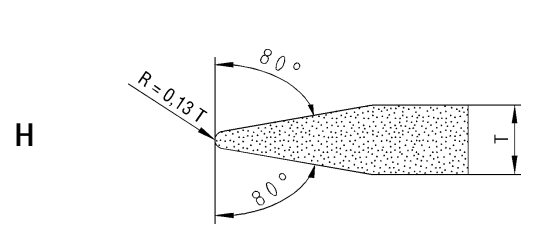
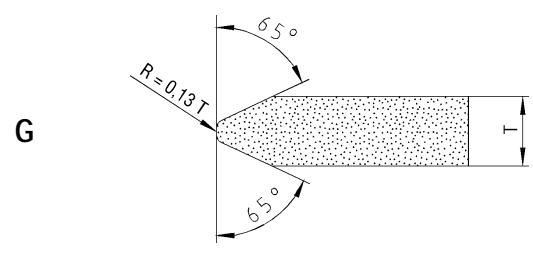
▼ Indicates the grinding face of bonded abrasive products.

Shapes of straight grinding wheel profiles

Profiles corresponding to DIN 69 105, ISO 525



Profiles corresponding to DIN 69 105, ISO 525

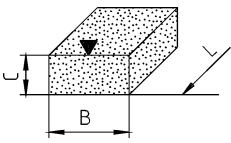
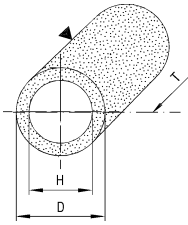
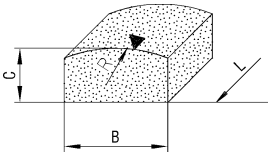
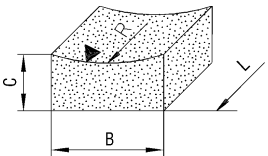


Grinding segments

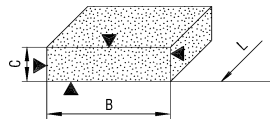
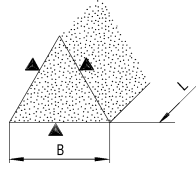
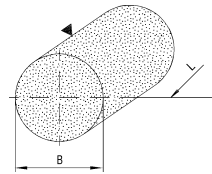
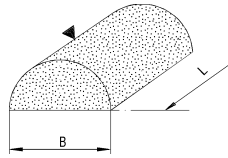
No. ISO	Shape	Designation of characteristics	No. ISO	Shape	Designation of characteristics
3101		Grinding segment (B x C x L)	3108		Grinding segment (B x C x L - R)
3102		Grinding segment (B/A x C x L - R)	3109		Grinding segment (B/A x C x L)
3103		Grinding segment (B/A x C x L - R)			
3104		Grinding segment (B/A x C x L - R)			
3105		Grinding segment (B/A x C x L - R)			

▼ Indicates the grinding face of bonded abrasive products.

Honing sticks

No. ISO	Shape	Designation of characteristics
5410		Honing stick (B x C x L)
5420		Honing stick (D x T x H)
5430		Honing stick (B x C x L - R)
5440		Honing stick (B x C x L - R)

Grinding bricks and sticks

No. ISO	Shape	Designation of characteristics
9010		Grinding stick Grinding brick (B x C x L)
9020		Grinding stick Grinding brick (B x L)
9030		Grinding stick Grinding brick (B x L)
9040		Grinding stick Grinding brick (B x L)

▼ Indicates the grinding face of bonded abrasive products.

Mounted grinding wheels and points

No. ISO	Shape	Designation of characteristics
52		ZY Cylindrical mounted grinding wheel (D x T x S)
52		WR Mounted grinding point, rounded tip (D x T x S)
52		WK Mounted grinding point, tapered end, flat or pointed tip (D x T x S)
52		KE Tapered mounted grinding wheel (D x T x S)
52		SP Conical mounted grinding point, curved end (D x T x S)
52		KU Spherical mounted grinding wheel (D x T x S)
52		TO Cup-shaped mounted grinding wheel (D x T x S)

▼ Indicates the grinding face of bonded abrasive products.