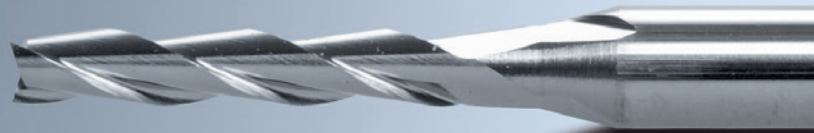
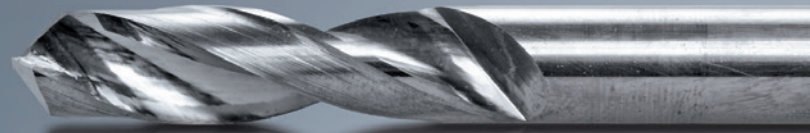



















2024 Catalog



Solid carbide drill similar DIN 1897/6539 right-hand	Typ 30	
Solid carbide drill similar DIN 1897/6539 left-hand	Typ 31	
Solid carbide NC-Center drill right-hand	Typ 60/90/120 R	
Solid carbide NC-Center drill left-hand	Typ 60/90/120 L	
Solid carbide drill DIN 338	Typ 600	
Solid carbide reinforced shank drill similar DIN 1899	Typ 620	
Solid carbide center drill right-hand 60° DIN 333 A	Typ 700	
Solid carbide diamond cut router shank 1/8" or 3,0 mm	Typ 100	
Solid carbide two flute router shank 1/8" or 3,0 mm	Typ 200	
Solid carbide two flute router for aluminium and non-ferrous metal shank 1/8" or 3,0 mm	Typ 200 AL	
Solid carbide three flute router shank 1/8" or 3,0 mm	Typ 300	
Solid carbide single flute router shank 1/8"	Typ 400	
Solid carbide router spiral cut shank 1/8" or 3,0 mm	Typ 500	
Solid carbide graver straight flute shank 1/8" or 3,0 mm	Typ GVS	
Solid carbide graver spiral flute shank 1/8"	Typ FRS	
Custom dia. available upon request		

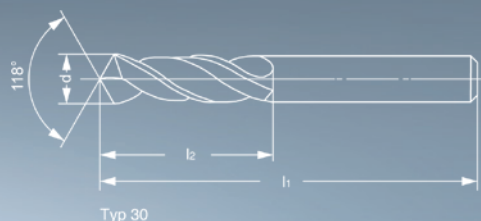
RH Solid Carbide Twist Drill Typ 30

Similar to DIN 1897 / 6539
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Right Hand
Helix Angle: ca. 30°



Art. - Number	Ø h6	l ₂	l ₁
30 030	0,30 x	4 x	30
30 035	0,35 x	4 x	30
30 040	0,40 x	6 x	30
30 045	0,45 x	6 x	30
30 050	0,50 x	6 x	30
30 055	0,55 x	6 x	30
30 060	0,60 x	6 x	30
30 065	0,65 x	6 x	30
30 070	0,70 x	6 x	30
30 075	0,75 x	8 x	30
30 080	0,80 x	8 x	30
30 085	0,85 x	8 x	30
30 090	0,90 x	9 x	30
30 095	0,95 x	9 x	30
30 100	1,00 x	10 x	30
30 105	1,05 x	10 x	30
30 110	1,10 x	10 x	30
30 115	1,15 x	10 x	30
30 120	1,20 x	12 x	30
30 125	1,25 x	12 x	30
30 130	1,30 x	12 x	30
30 135	1,35 x	12 x	30
30 140	1,40 x	12 x	30
30 145	1,45 x	12 x	30
30 150	1,50 x	12 x	30
30 155	1,55 x	16 x	40
30 160	1,60 x	16 x	40
30 165	1,65 x	16 x	40
30 170	1,70 x	16 x	40

Art. - Number	Ø h6	l ₂	l ₁
30 175	1,75 x	16 x	40
30 180	1,80 x	16 x	40
30 185	1,85 x	16 x	40
30 190	1,90 x	16 x	40
30 195	1,95 x	16 x	40
30 200	2,00 x	18 x	40
30 205	2,05 x	18 x	40
30 210	2,10 x	18 x	40
30 215	2,15 x	18 x	40
30 220	2,20 x	18 x	40
30 225	2,25 x	18 x	40
30 230	2,30 x	18 x	40
30 235	2,35 x	18 x	40
30 240	2,40 x	18 x	40
30 245	2,45 x	18 x	40
30 250	2,50 x	18 x	40
30 255	2,55 x	18 x	40
30 260	2,60 x	18 x	40
30 265	2,65 x	18 x	40
30 270	2,70 x	20 x	50
30 275	2,75 x	20 x	50
30 280	2,80 x	20 x	50
30 285	2,85 x	20 x	50
30 290	2,90 x	20 x	50
30 295	2,95 x	20 x	50
30 300	3,00 x	20 x	50
30 305	3,05 x	22 x	50
30 310	3,10 x	22 x	50
30 315	3,15 x	22 x	50

■ Special tools by request

■ Typ 30 in 1/100 steppings from Ø 0,25 - 3,0 mm in stock

■ Coating at short notice available

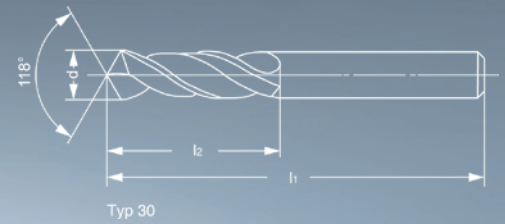
RH Solid Carbide Twist Drill Typ 30

Similar to DIN 1897 / 6539
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Right Hand
Helix Angle: ca. 30°



Art. - Number	Ø h6	l ₂	l ₁
30 320	3,20	22	50
30 325	3,25	22	50
30 330	3,30	22	50
30 335	3,35	22	50
30 340	3,40	22	50
30 345	3,45	22	50
30 350	3,50	22	50
30 355	3,55	22	50
30 360	3,60	22	50
30 365	3,65	22	50
30 370	3,70	22	50
30 375	3,75	22	50
30 380	3,80	22	50
30 385	3,85	22	50
30 390	3,90	22	50
30 395	3,95	22	50
30 400	4,00	22	50
30 405	4,05	25	50
30 410	4,10	25	50
30 415	4,15	25	60
30 420	4,20	25	60
30 425	4,25	25	60
30 430	4,30	25	60
30 435	4,35	25	60
30 440	4,40	25	60
30 445	4,45	25	60
30 450	4,50	25	60
30 455	4,55	25	60
30 460	4,60	25	60

Art. - Number	Ø h6	l ₂	l ₁
30 465	4,65	25	60
30 470	4,70	25	60
30 475	4,75	26	60
30 480	4,80	26	60
30 485	4,85	26	60
30 490	4,90	26	60
30 495	4,95	26	60
30 500	5,00	26	60
30 505	5,05	26	60
30 510	5,10	26	60
30 515	5,15	26	60
30 520	5,20	26	60
30 525	5,25	26	60
30 530	5,30	26	60
30 535	5,35	28	60
30 540	5,40	28	60
30 545	5,45	28	60
30 550	5,50	28	60
30 555	5,55	28	60
30 560	5,60	28	60
30 565	5,65	28	60
30 570	5,70	28	60
30 575	5,75	28	60
30 580	5,80	28	60
30 585	5,85	28	60
30 590	5,90	28	60
30 595	5,95	28	60
30 600	6,00	28	60
30 610	6,10	31	70

■ Special tools by request

■ Typ 30 in 1/100 steppings from Ø 0,25 - 3,0 mm in stock

■ Coating at short notice available

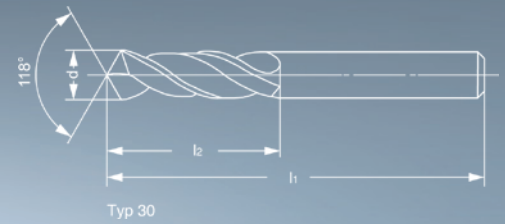
RH Solid Carbide Twist Drill Typ 30

Similar to DIN 1897 / 6539
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Right Hand
Helix Angle: ca. 30°



Art. - Number	Ø h6	l ₂	l ₁
30 620	6,20	31	70
30 630	6,30	31	70
30 640	6,40	31	70
30 650	6,50	31	70
30 660	6,60	31	70
30 670	6,70	31	70
30 680	6,80	34	74
30 690	6,90	34	74
30 700	7,00	34	74
30 710	7,10	34	74
30 720	7,20	34	74
30 730	7,30	34	74
30 740	7,40	34	74
30 750	7,50	34	74
30 760	7,60	37	79
30 770	7,70	37	79
30 780	7,80	37	79
30 790	7,90	37	79
30 800	8,00	37	79
30 810	8,10	37	79
30 820	8,20	37	79
30 830	8,30	37	79
30 840	8,40	37	79
30 850	8,50	37	79

Art. - Number	Ø h6	l ₂	l ₁
30 860	8,60	40	84
30 870	8,70	40	84
30 880	8,80	40	84
30 890	8,90	40	84
30 900	9,00	40	84
30 910	9,10	40	84
30 920	9,20	40	84
30 930	9,30	40	84
30 940	9,40	40	84
30 950	9,50	40	84
30 960	9,60	43	89
30 970	9,70	43	89
30 980	9,80	43	89
30 990	9,90	43	89
30 1000	10,00	43	89

- Solid carbide drills bigger than Ø 10,0 mm also available
- Special tools by request
- Typ 30 in 1/100 steppings from Ø 0,25 - 3,0 mm in stock
- Coating at short notice available

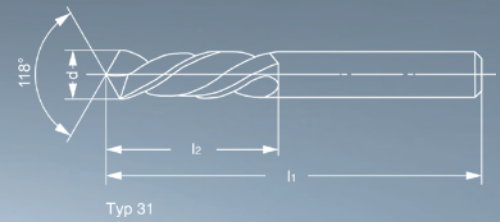
LH Solid Carbide Twist Drill Typ 31

Similar to DIN 1897 / 6539
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Left Hand
Helix Angle: ca. 30°



Art. - Number	Ø h6	l ₂	l ₁
31 030	0,30 x	4 x	30
31 035	0,35 x	4 x	30
31 040	0,40 x	6 x	30
31 045	0,45 x	6 x	30
31 050	0,50 x	6 x	30
31 055	0,55 x	6 x	30
31 060	0,60 x	6 x	30
31 065	0,65 x	6 x	30
31 070	0,70 x	6 x	30
31 075	0,75 x	8 x	30
31 080	0,80 x	8 x	30
31 085	0,85 x	8 x	30
31 090	0,90 x	9 x	30
31 095	0,95 x	9 x	30
31 100	1,00 x	10 x	30
31 105	1,05 x	10 x	30
31 110	1,10 x	10 x	30
31 115	1,15 x	10 x	30
31 120	1,20 x	12 x	30
31 125	1,25 x	12 x	30
31 130	1,30 x	12 x	30
31 135	1,35 x	12 x	30
31 140	1,40 x	12 x	30
31 145	1,45 x	12 x	30
31 150	1,50 x	12 x	30
31 155	1,55 x	16 x	40
31 160	1,60 x	16 x	40
31 165	1,65 x	16 x	40
31 170	1,70 x	16 x	40

Art. - Number	Ø h6	l ₂	l ₁
31 175	1,75 x	16 x	40
31 180	1,80 x	16 x	40
31 185	1,85 x	16 x	40
31 190	1,90 x	16 x	40
31 195	1,95 x	16 x	40
31 200	2,00 x	18 x	40
31 205	2,05 x	18 x	40
31 210	2,10 x	18 x	40
31 215	2,15 x	18 x	40
31 220	2,20 x	18 x	40
31 225	2,25 x	18 x	40
31 230	2,30 x	18 x	40
31 235	2,35 x	18 x	40
31 240	2,40 x	18 x	40
31 245	2,45 x	18 x	40
31 250	2,50 x	18 x	40
31 255	2,55 x	18 x	40
31 260	2,60 x	18 x	40
31 265	2,65 x	18 x	40
31 270	2,70 x	20 x	50
31 275	2,75 x	20 x	50
31 280	2,80 x	20 x	50
31 285	2,85 x	20 x	50
31 290	2,90 x	20 x	50
31 295	2,95 x	20 x	50
31 300	3,00 x	20 x	50
31 305	3,05 x	22 x	50
31 310	3,10 x	22 x	50
31 315	3,15 x	22 x	50

- Special tools by request
- Coating at short notice available

LH Solid Carbide Twist Drill Typ 31

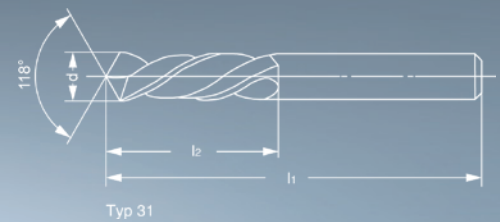
Similar to DIN 1897 / 6539

Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Left Hand
Helix Angle: ca. 30°



Art. - Number	Ø h6	l ₂	l ₁	Art. - Number	Ø h6	l ₂	l ₁
31 320	3,20	22	50	31 465	4,65	25	60
31 325	3,25	22	50	31 470	4,70	25	60
31 330	3,30	22	50	31 475	4,75	26	60
31 335	3,35	22	50	31 480	4,80	26	60
31 340	3,40	22	50	31 485	4,85	26	60
31 345	3,45	22	50	31 490	4,90	26	60
31 350	3,50	22	50	31 495	4,95	26	60
31 355	3,55	22	50	31 500	5,00	26	60
31 360	3,60	22	50	31 505	5,05	26	60
31 365	3,65	22	50	31 510	5,10	26	60
31 370	3,70	22	50	31 515	5,15	26	60
31 375	3,75	22	50	31 520	5,20	26	60
31 380	3,80	22	50	31 525	5,25	26	60
31 385	3,85	22	50	31 530	5,30	26	60
31 390	3,90	22	50	31 535	5,35	28	60
31 395	3,95	22	50	31 540	5,40	28	60
31 400	4,00	22	50	31 545	5,45	28	60
31 405	4,05	25	50	31 550	5,50	28	60
31 410	4,10	25	50	31 555	5,55	28	60
31 415	4,15	25	60	31 560	5,60	28	60
31 420	4,20	25	60	31 565	5,65	28	60
31 425	4,25	25	60	31 570	5,70	28	60
31 430	4,30	25	60	31 575	5,75	28	60
31 435	4,35	25	60	31 580	5,80	28	60
31 440	4,40	25	60	31 585	5,85	28	60
31 445	4,45	25	60	31 590	5,90	28	60
31 450	4,50	25	60	31 595	5,95	28	60
31 455	4,55	25	60	31 600	6,00	28	60
31 460	4,60	25	60	31 610	6,10	31	70

■ Special tools by request

■ Coating at short notice available

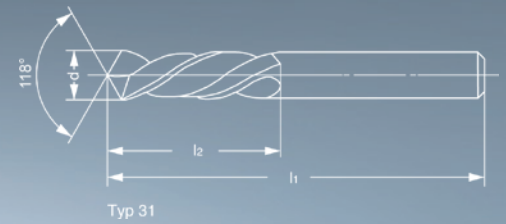
LH Solid Carbide Twist Drill Typ 31

Similar to DIN 1897 / 6539
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Left Hand
Helix Angle: ca. 30°



Art. - Nummer	Ø h6	l ₂	l ₁
31 620	6,20	31	70
31 630	6,30	31	70
31 640	6,40	31	70
31 650	6,50	31	70
31 660	6,60	31	70
31 670	6,70	31	70
31 680	6,80	34	74
31 690	6,90	34	74
31 700	7,00	34	74
31 710	7,10	34	74
31 720	7,20	34	74
31 730	7,30	34	74
31 740	7,40	34	74
31 750	7,50	34	74
31 760	7,60	37	79
31 770	7,70	37	79
31 780	7,80	37	79
31 790	7,90	37	79
31 800	8,00	37	79
31 810	8,10	37	79
31 820	8,20	37	79
31 830	8,30	37	79
31 840	8,40	37	79
31 850	8,50	37	79
31 860	8,60	40	84
31 870	8,70	40	84
31 880	8,80	40	84
31 890	8,90	40	84
31 900	9,00	40	84

Art. - Nummer	Ø h6	l ₂	l ₁
31 910	9,10	40	84
31 920	9,20	40	84
31 930	9,30	40	84
31 940	9,40	40	84
31 950	9,50	40	84
31 960	9,60	43	89
31 970	9,70	43	89
31 980	9,80	43	89
31 990	9,90	43	89
31 1000	10,00	43	89

- Solid carbide drills bigger than Ø 10,0 mm also available
- Special tools by request
- Coating at short notice available

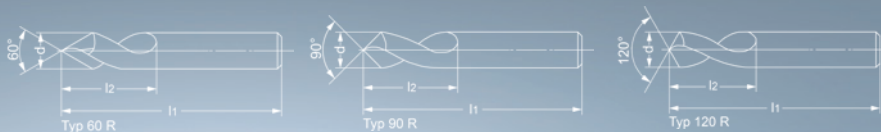
RH NC-Center Drill

Similar to Louis Belet 337
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Right Hand



Typ 60

Point Angle: 60°



Art. - Number	Ø h6	Spiral Length l_2	Total Length l_1
60 200 R	2,0	8	40
60 300 R	3,0	12	50
60 400 R	4,0	14	50
60 500 R	5,0	16	60
60 600 R	6,0	16	60

Typ 90

Point Angle: 90°



Art. - Number	Ø h6	Spiral Length l_2	Total Length l_1
90 200 R	2,0	8	40
90 300 R	3,0	12	50
90 400 R	4,0	14	50
90 500 R	5,0	16	60
90 600 R	6,0	16	60
90 800 R	8,0	25	60
90 1000 R	10,0	27	70

Typ 120

Point Angle: 120°



Art. - Number	Ø h6	Spiral Length l_2	Total Length l_1
120 200 R	2,0	8	40
120 300 R	3,0	12	50
120 400 R	4,0	14	50
120 500 R	5,0	16	60
120 600 R	6,0	16	60
120 800 R	8,0	25	60
120 1000 R	10,0	27	70

- Special tools by request
- Coating at short notice available

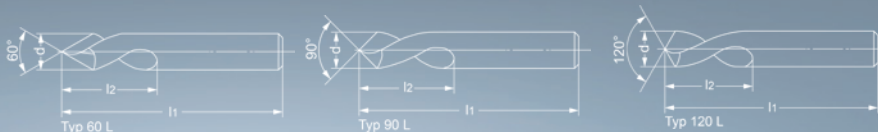
LH NC-Center Drill

Similar to Louis Belet 337-1
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Left Hand



Typ 60

Point Angle: 60°



Art. - Number	Ø h6	Spiral Length l_2	Total Length l_1
60 200 L	2,0	8	40
60 300 L	3,0	12	50
60 400 L	4,0	14	50
60 500 L	5,0	16	60
60 600 L	6,0	16	60

Typ 90

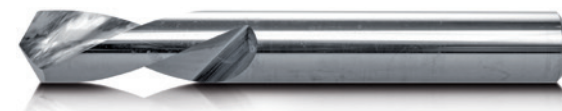
Point Angle: 90°



Art. - Number	Ø h6	Spiral Length l_2	Total Length l_1
90 200 L	2,0	8	40
90 300 L	3,0	12	50
90 400 L	4,0	14	50
90 500 L	5,0	16	60
90 600 L	6,0	16	60
90 800 L	8,0	25	60
90 1000 L	10,0	27	70

Typ 120

Point Angle: 120°



Art. - Number	Ø h6	Spiral Length l_2	Total Length l_1
120 200 L	2,0	8	40
120 300 L	3,0	12	50
120 400 L	4,0	14	50
120 500 L	5,0	16	60
120 600 L	6,0	16	60
120 800 L	8,0	25	60
120 1000 L	10,0	27	70

■ Special tools by request
■ Coating at short notice available

RH Long Spiral Carbide Twist Drill

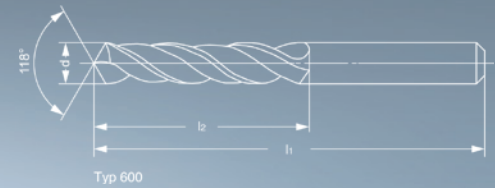
Typ 600

DIN 338

Made of fine-grain tungsten carbide of the highest quality

DESCRIPTION:

Carbide: Ultra - Fine Grain
 Shaft: Cylindrical
 Orientation: Right Hand
 Helix Angle: ca. 30°



Art. - Number	Ø h6 l ₂ l ₁
600 005	0,5 x 6 x (22)
600 006	0,6 x 7 x (24)
600 007	0,7 x 9 x 28
600 008	0,8 x 10 x 30
600 009	0,9 x 11 x 32
600 010	1,0 x 12 x 34
600 011	1,1 x 14 x 36
600 012	1,2 x 16 x 38
600 013	1,3 x 16 x 38
600 014	1,4 x 18 x 40
600 015	1,5 x 18 x 40
600 016	1,6 x 20 x 43
600 017	1,7 x 20 x 43
600 018	1,8 x 22 x 46
600 019	1,9 x 22 x 46
600 020	2,0 x 24 x 49
600 021	2,1 x 24 x 49
600 022	2,2 x 27 x 53
600 023	2,3 x 27 x 53
600 024	2,4 x 30 x 57
600 025	2,5 x 30 x 57
600 026	2,6 x 30 x 57
600 027	2,7 x 33 x 61
600 028	2,8 x 33 x 61
600 029	2,9 x 33 x 61
600 030	3,0 x 33 x 61
600 031	3,1 x 36 x 65
600 032	3,2 x 36 x 65
600 033	3,3 x 36 x 65
600 034	3,4 x 39 x 70

Art. - Number	Ø h6 l ₂ l ₁
600 035	3,5 x 39 x 70
600 036	3,6 x 39 x 70
600 037	3,7 x 39 x 70
600 038	3,8 x 43 x 75
600 039	3,9 x 43 x 75
600 040	4,0 x 43 x 75
600 041	4,1 x 43 x 75
600 042	4,2 x 43 x 75
600 043	4,3 x 47 x 80
600 044	4,4 x 47 x 80
600 045	4,5 x 47 x 80
600 046	4,6 x 47 x 80
600 047	4,7 x 47 x 80
600 048	4,8 x 52 x 86
600 049	4,9 x 52 x 86
600 050	5,0 x 52 x 86
600 051	5,1 x 52 x 86
600 052	5,2 x 52 x 86
600 053	5,3 x 52 x 86
600 054	5,4 x 57 x 93
600 055	5,5 x 57 x 93
600 056	5,6 x 57 x 93
600 057	5,7 x 57 x 93
600 058	5,8 x 57 x 93
600 059	5,9 x 57 x 93
600 060	6,0 x 57 x 93

Larger Diameters Upon Request!

- Special tools by request
- Typ 600 in 5/100 steppings (e.g. Ø 2,65 mm) in stock
- Coating at short notice available

RH Reinforced Shank Carbide Twist Drill

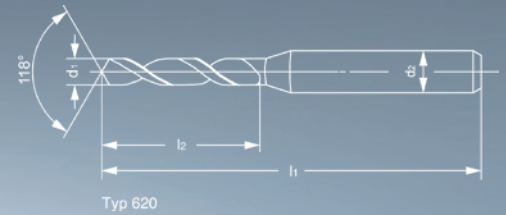
Typ 620

Similar to DIN 1899
Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Right Hand
Helix Angle: ca. 30°



Art. - Number	d ₁ h6	l ₂	l ₁	d ₂
620 030	0,3 x	3,0 x	30	1,0
620 040	0,4 x	4,0 x	30	1,0
620 050	0,5 x	4,5 x	30	1,0
620 060	0,6 x	5,0 x	30	1,0
620 070	0,7 x	6,0 x	30	1,0
620 080	0,8 x	6,5 x	30	1,5
620 090	0,9 x	8,0 x	30	1,5
620 100	1,0 x	8,0 x	30	1,5
620 110	1,1 x	8,0 x	30	1,5
620 120	1,2 x	12,0 x	30	1,5
620 130	1,3 x	12,0 x	30	1,5
620 140	1,4 x	12,0 x	30	1,5
620 150	1,5 x	12,0 x	30	2,0

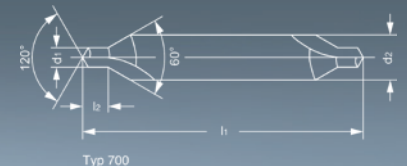
Art. - Number	d ₁ h6	l ₂	l ₁	d ₂
620 160	1,6 x	12,0 x	30	2,0
620 170	1,7 x	12,0 x	30	2,0
620 180	1,8 x	12,0 x	30	2,0
620 190	1,9 x	12,0 x	30	2,0
620 200	2,0 x	12,0 x	38	3,0
620 210	2,1 x	12,0 x	38	3,0
620 220	2,2 x	12,0 x	38	3,0
620 230	2,3 x	12,0 x	38	3,0
620 240	2,4 x	12,0 x	38	3,0
620 250	2,5 x	12,0 x	38	3,0

■ Special tools by request
■ Coating at short notice available

RH Carbide Center Drill Typ 700

DIN 333 Form A

Made of fine-grain tungsten carbide of the highest quality



DESCRIPTION:

Carbide: Ultra - Fine Grain
Shaft: Cylindrical
Orientation: Right Hand
Helix Angle: Spiral
Countersink Angle: 60°



Art. - Number	d ₁	d ₂	l ₁	l ₂
700 050	0,50 x	3,15 x	31,5 x	0,8
700 080	0,80 x	3,15 x	31,5 x	1,1
700 100	1,00 x	3,15 x	31,5 x	1,3
700 125	1,25 x	3,15 x	31,5 x	1,6
700 160	1,60 x	4,00 x	35,5 x	2,0
700 200	2,00 x	5,00 x	40,0 x	2,5
700 250	2,50 x	6,30 x	45,0 x	3,1

Art. - Number	d ₁	d ₂	l ₁	l ₂
700 315	3,15 x	8,00 x	50,0 x	3,9
700 400	4,00 x	10,00 x	56,0 x	5,0
700 500	5,00 x	12,50 x	63,0 x	6,3
700 630	6,30 x	16,00 x	71,0 x	8,0

■ Special tools by request
■ Coating at short notice available

Solid Carbide Diamond Cut Router

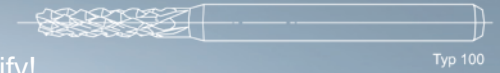
Typ 100

Made of fine-grain tungsten carbide of the highest quality
Solid carbide diamond cut router, shank 1/8"



DESCRIPTION:

Total Length: 38 mm
Carbide: Ultra - Fine Grain
Execution: RH Spiral x RH Cutting = Typ 100 R
LH Spiral x RH Cutting = Typ 100 L
Fishtail Grind (FiS) or Drill Point (BS) – Please specify!



Shank Diameter: 1/8"

Diameter (mm)	Work Length (mm)
0,5	3
0,6	3
0,8	5
1,0	5 / 7
1,2	5 / 7
1,4	5 / 7
1,5	6 / 8,5

Diameter (mm)	Work Length (mm)
1,6	6 / 8,5
1,8	8,5
2,0	9 / 10,5
2,4	9 / 10,5
2,5	9 / 10,5
3,0	9 / 10,5
3,175	9 / 10,5

- If you know your number of pieces we can give you a detailed offer!
- For more details about item numbers see last page

Solid Carbide Two Flute Milling Cutter

Typ 200

DESCRIPTION:

Total Length: 38 mm
Carbide: Ultra - Fine Grain
Execution: RH Spiral x RH Cutting = Typ 200 R
LH Spiral X RH Cutting = Typ 200 L
Fishtail Grind (FiS) or Flat Face Grind (FSA)
Please specify!



Shank Diameter: 1/8"

Diameter (mm)	Work Length (mm)
0,5	3
0,6	3
0,8	3 / 5
1,0	5
1,2	5
1,4	5
1,5	6

Diameter (mm)	Work Length (mm)
1,6	6
1,8	6
2,0	8 / 10
2,4	8 / 10
2,5	8 / 10
3,0	8 / 10
3,175	8 / 10

- If you know your number of pieces we can give you a detailed offer!
- For more details about item numbers see last page

Solid Carbide Three Blade Milling Cutter Typ 300



DESCRIPTION:

Total Length: 38 mm
 Carbide: Ultra - Fine Grain
 Execution: RH Spiral x RH Cutting = Typ 300 R
 LH Spiral X RH Cutting = Typ 300 L
 Fishtail Grind (FiS) or Flat Surface Grind (FSA)
 Please specify!



Shank Diameter: 1/8"

Diameter (mm)	Work Length (mm)
0,5	3
0,6	3
0,8	3 / 5
1,0	5
1,2	5
1,4	5
1,5	5

Diameter (mm)	Work Length (mm)
1,6	5
1,8	7
2,0	7 / 10
2,4	7 / 10
2,5	7 / 10
3,0	7 / 10
3,175	10

- If you know your number of pieces we can give you a detailed offer!
- For more details about item numbers see last page

Solid Carbide Cutter Typ 400



DESCRIPTION:

Total Length: 38 mm
 Carbide: Ultra - Fine Grain
 Execution: RH Spiral x RH Cutting = Typ 400 R
 Flat Surface Grind (FSA)



Shank Diameter: 1/8"

Diameter (mm)	Work Length (mm)
0,5	3
0,6	3
0,8	3
1,0	3
1,2	4
1,4	4

Diameter (mm)	Work Length (mm)
1,5	4
1,6	5
2,0	8
2,4	8
3,0	9
3,175	9

- If you know your number of pieces we can give you a detailed offer!
- For more details about item numbers see last page

Counter Cutter Typ 500

Made of solid carbide with spiral teeth

DESCRIPTION:

Total Length: 38 mm

Carbide: Ultra - Fine Grain

Execution: RH Spiral x RH Cutting = Typ 500 R

LH Spiral X RH Cutting = Typ 500 L

Fishtail Grind (FiS) or Flat Surface Grind (FSA)

Please specify!



Typ 500



Shank Diameter: 1/8"

Diameter (mm)	Work Length (mm)
0,5	3
0,6	3
0,8	5
1,0	5 / 7
1,2	5 / 7
1,4	5 / 7
1,5	7 / 8,5

Diameter (mm)	Work Length (mm)
1,6	7 / 8,5
1,8	7 / 8,5
2,0	9
2,4	9
2,5	9
3,0	9
3,175	9

■ If you know your number of pieces we can give you a detailed offer!

■ For more details about item numbers see **last page**

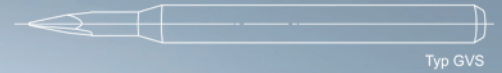
Solid Carbide Engraver Typ GVS

Straight flute

DESCRIPTION:

Total Length: 38 mm
Carbide: Ultra - Fine Grain
Execution: RH Cutting

HAKURA
Hartmetallwerkzeuge



Shank Diameter: 1/8"

Point Angle

30°

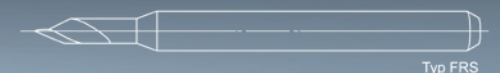
30° with 45° break

60°

■ For more details about item numbers see last page
■ Special tools by request

Solid Carbide Milling Cutter Typ FRS

Spiral Tooth



DESCRIPTION:

Total Length: 38 mm
Carbide: Ultra - Fine Grain
Execution: RH Cutting



Shank Diameter: 1/8"

Point Angle

30°

45°

60°

90°

120°

140°

■ For more details about item numbers see last page
■ Special tools by request

