SOLID CARBIDE ROTARY BURRS

Frässtifte aus Hartmetall

SELECTION GUIDE

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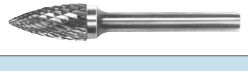
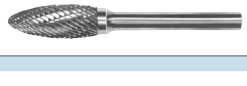
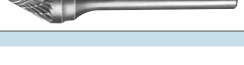
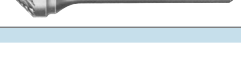
R1107		TREE SHAPE WITH POINTED END TYPE SG(Form G)	630
R1108		FLAME SHAPE TYPE SH(Form H)	631
R1109		60° CONE SHAPE TYPE SJ(Form J)	632
R1110		90° CONE SHAPE TYPE SK(Form K)	633
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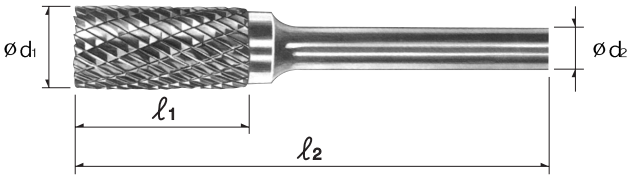
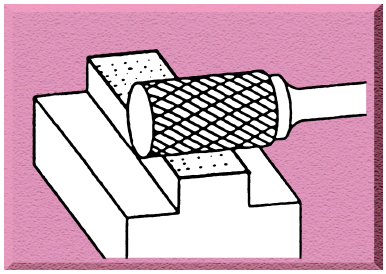
CYLINDER SHAPE
Zylinder, Form A



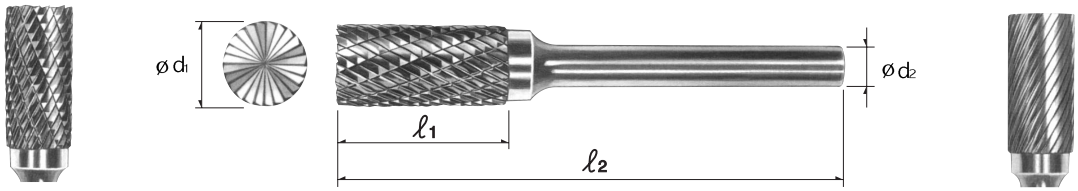
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1101001	SA-41M	1.5	3	6	38	R1201001	SA-41MP
R1101002	SA-41ML2	1.5	3	6	50	R1201002	SA-41ML2P
R1101003	SA-41ML3	1.5	3	6	75	R1201003	SA-41ML3P
R1101004	SA-42M	2.5	3	11	38	R1201004	SA-42MP
R1101005	SA-42ML2	2.5	3	11	50	R1201005	SA-42ML2P
R1101006	SA-42ML3	2.5	3	11	75	R1201006	SA-42ML3P
R1101007	SA-43M	3	3	14	38	R1201007	SA-43MP
R1101008	SA-43ML2	3	3	14	50	R1201008	SA-43ML2P
R1101009	SA-43ML3	3	3	14	75	R1201009	SA-43ML3P
R1101010	SA-11M	3	6	12	56	R1201010	SA-11MP
R1101011	SA-12M	3	6	12.7	60	R1201011	SA-12MP
R1101012	SA-52M	4	3	12.7	38	R1201012	SA-52MP
R1101013	SA-13M	4	6	16	50	R1201013	SA-13MP
R1101014	SA-53M	5	3	12.7	38	R1201014	SA-53MP
R1101015	SA-14M	5	6	16	50	R1201015	SA-14MP
R1101017	SA-1ML	6	6	25	50	R1201017	SA-1MLP
R1101019	SA-1M	6	6	16	50	R1201019	SA-1MP
R1101020	SA-51M	6.3	3	12.7	50	R1201020	SA-51MP
R1101021	SA-2M	8	6	19	63	R1201021	SA-2MP
R1101022	SA-3M	9.5	6	19	63	R1201022	SA-3MP
R1101025	SA-3ML	9.5	6	25	69	R1201025	SA-3MLP
R1101027	SA-4M	11	6	25	69	R1201027	SA-4MP
R1101029	SA-5M	12.7	6	25	69	R1201029	SA-5MP
R1101032	SA-6M	16	6	25	69	R1201032	SA-6MP
R1101034	SA-7M	19	6	25	69	R1201034	SA-7MP
R1101037	SA-9M	25	6	25	69	R1201037	SA-9MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2
EDP No.	ITEM No.				
R1301018	SA-1MNF	6	6	19	50
R1301024	SA-3MNF	9.5	6	19	63
R1301030	SA-5MNF	12.7	6	25	69
R1301033	SA-6MNF	16	6	25	69
R1301035	SA-7MNF	19	6	25	69

▶ Chip Breaker Type, Diamond Cut Type is available on your request.



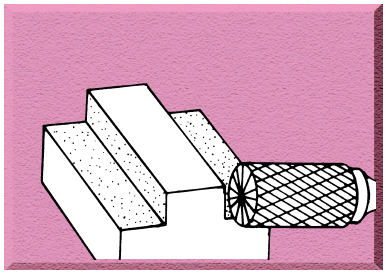
CYLINDER SHAPE WITH END CUT
Zylinder, Form B



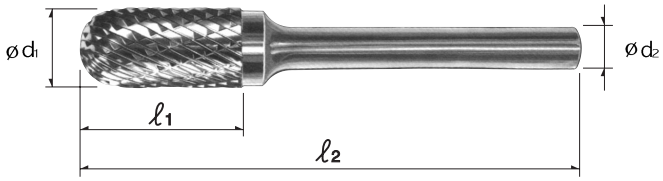
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1102001	SB-41M	1.5	3	6	38	R1202001	SB-41MP
R1102002	SB-41ML2	1.5	3	6	50	R1202002	SB-41ML2P
R1102003	SB-41ML3	1.5	3	6	75	R1202003	SB-41ML3P
R1102004	SB-42M	2.5	3	11	38	R1202004	SB-42MP
R1102005	SB-42ML2	2.5	3	11	50	R1202005	SB-42ML2P
R1102006	SB-42ML3	2.5	3	11	75	R1202006	SB-42ML3P
R1102007	SB-ECOM	3	3	-	38	-	-
R1102008	SB-43M	3	3	14	38	R1202008	SB-43MP
R1102026	SB-43ML2	3	3	14	50	R1202026	SB-43ML2P
R1102027	SB-43ML3	3	3	14	75	R1202027	SB-43ML3P
R1102009	SB-11M	3	6	12	56	R1202009	SB-11MP
R1102010	SB-12M	3	6	12.7	60	R1202010	SB-12MP
R1102011	SB-13M	4	6	16	50	R1202011	SB-13MP
R1102012	SB-14M	5	6	16	50	R1202012	SB-14MP
R1102013	SB-1M	6	6	16	50	R1202013	SB-1MP
R1102014	SB-1ML	6	6	25	50	R1202014	SB-1MLP
R1102015	SB-51M	6.3	3	4.7	43	R1202015	SB-51MP
R1102016	SB-2M	8	6	19	63	R1202016	SB-2MP
R1102017	SB-3M	9.5	6	19	63	R1202017	SB-3MP
R1102018	SB-3ML	9.5	6	25	69	R1202018	SB-3MLP
R1102020	SB-4M	11	6	25	69	R1202020	SB-4MP
R1102022	SB-5M	12.7	6	25	69	R1202022	SB-5MP
R1102023	SB-6M	16	6	25	69	R1202023	SB-6MP
R1102024	SB-7M	19	6	25	69	R1202024	SB-7MP
R1102025	SB-9M	25	6	25	69	R1202025	SB-9MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2
EDP No.	ITEM No.				
R1302018	SB-1MNF	6	6	19	50
R1302024	SB-3MNF	9.5	6	19	63
R1302030	SB-5MNF	12.7	6	25	69
R1302033	SB-6MNF	16	6	25	69
R1302035	SB-7MNF	19	6	25	69

▶ Chip Breaker Type, Diamond Cut Type is available on your request.



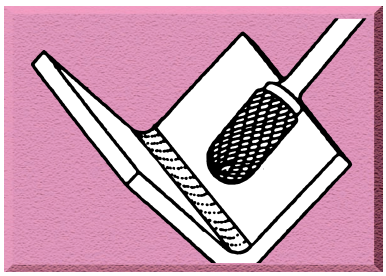
CYLINDER SHAPE WITH RADIUS END
Walzenrund, Form C



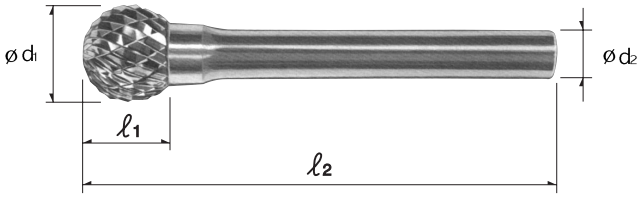
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1103001	SC-41M	2.5	3	11	38	R1203001	SC-41MP
R1103002	SC-42M	3	3	14	38	R1203002	SC-42MP
R1103003	SC-42ML2	3	3	14	50	R1203003	SC-42ML2P
R1103004	SC-42ML3	3	3	14	75	R1203004	SC-42ML3P
R1103005	SC-11M	3	6	12	56	R1203005	SC-11MP
R1103006	SC-12M	3	6	16	60	R1203006	SC-12MP
R1103007	SC-52M	4	3	12.7	38	R1203007	SC-52MP
R1103008	SC-13M	4	6	16	50	R1203008	SC-13MP
R1103009	SC-53M	5	3	12.7	38	R1203009	SC-53MP
R1103010	SC-14M	5	6	16	50	R1203010	SC-14MP
R1103011	SC-1M	6	6	16	50	R1203011	SC-1MP
R1103014	SC-1ML	6	6	25	50	R1203014	SC-1MLP
R1103015	SC-51M	6.3	3	12.7	50	R1203015	SC-51MP
R1103016	SC-2M	8	6	19	63	R1203016	SC-2MP
R1103017	SC-3M	9.5	6	19	63	R1203017	SC-3MP
R1103021	SC-3ML	9.5	6	25	69	R1203021	SC-3MLP
R1103022	SC-4M	11	6	25	69	R1203022	SC-4MP
R1103024	SC-5M	12.7	6	25	69	R1203024	SC-5MP
R1103027	SC-6M	16	6	25	69	R1203027	SC-6MP
R1103028	SC-7M	19	6	25	69	R1203028	SC-7MP
R1103031	SC-9M	25	6	25	69	R1203031	SC-9MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2
EDP No.	ITEM No.				
R1303013	SC-1MNF	6	6	19	50
R1303019	SC-3MNF	9.5	6	19	63
R1303026	SC-5MNF	12.7	6	25	69
R1303029	SC-7MNF	19	6	25	69

▶ Chip Breaker Type, Diamond Cut Type is available on your request.



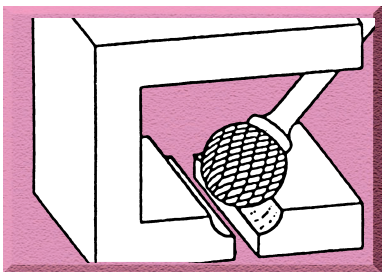
BALL SHAPE
Kugel, Form D



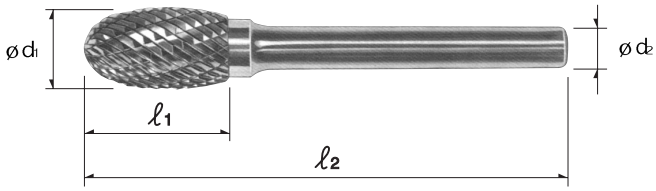
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1104001	SD-41M	2.5	3	2.3	38	R1204001	SD-41MP
R1104002	SD-42M	3	3	2.8	38	R1204002	SD-42MP
R1104003	SD-42ML2	3	3	2.8	50	R1204003	SD-42ML2P
R1104004	SD-42ML3	3	3	2.8	75	R1204004	SD-42ML3P
R1104005	SD-11M	3	6	2.8	50	R1204005	SD-11MP
R1104007	SD-53M	5	3	4	38	R1204007	SD-53MP
R1104008	SD-14M	5	6	4	50	R1204008	SD-14MP
R1104010	SD-1M	6	6	5	50	R1204010	SD-1MP
R1104012	SD-51M	6.3	3	5	44	R1204012	SD-51MP
R1104013	SD-2M	8	6	6.4	50	R1204013	SD-2MP
R1104014	SD-3M	9.5	6	8	52	R1204014	SD-3MP
R1104018	SD-4M	11	6	9.5	54	R1204018	SD-4MP
R1104020	SD-5M	12.7	6	11	55	R1204020	SD-5MP
R1104023	SD-6M	16	6	14	58	R1204023	SD-6MP
R1104025	SD-7M	19	6	16	62	R1204025	SD-7MP
R1104028	SD-9M	25	6	23	68	R1204028	SD-9MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2
EDP No.	ITEM No.				
R1304011	SD-1MNF	6	6	5	50
R1304015	SD-3MNF	9.5	6	8	52
R1304021	SD-5MNF	12.7	6	11	55
R1304024	SD-6MNF	16	6	14	58
R1304026	SD-7MNF	19	6	16	62

▶ Chip Breaker Type, Diamond Cut Type is available on your request.



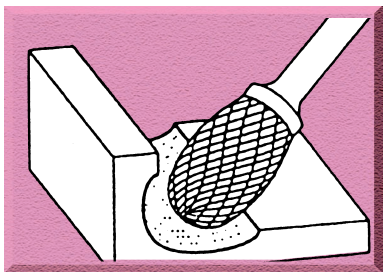
OVAL SHAPE
Tropfen, Form E



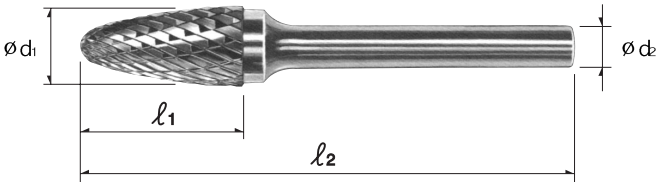
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1105001	SE-41M	3	3	5.5	38	R1205001	SE-41MP
R1105002	SE-41ML2	3	3	5.5	50	R1205002	SE-41ML2P
R1105003	SE-41ML3	3	3	5.5	75	R1205003	SE-41ML3P
R1105004	SE-53M	5	3	7.1	38	R1205004	SE-53MP
R1105005	SE-1M	6	6	9.5	50	R1205005	SE-1MP
R1105007	SE-51M	6.3	3	9.5	47	R1205007	SE-51MP
R1105008	SE-3M	9.5	6	16	60	R1205008	SE-3MP
R1105011	SE-5M	12.7	6	22	66	R1205011	SE-5MP
R1105014	SE-6M	16	6	25	69	R1205014	SE-6MP
R1105016	SE-7M	19	6	25	69	R1205016	SE-7MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2
EDP No.	ITEM No.				
R1305010	SE-3MNF	9.5	6	16	60
R1305013	SE-5MNF	12.7	6	22	66
R1305015	SE-6MNF	16	6	25	69
R1305017	SE-7MNF	19	6	25	69

▶Chip Breaker Type, Diamond Cut Type is available on your request.



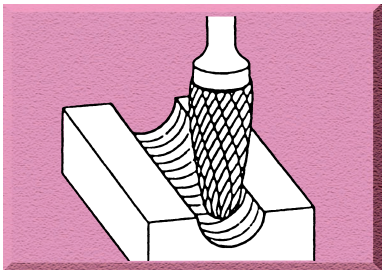
TREE SHAPE WITH RADIUS END
Rundbogen, Form F



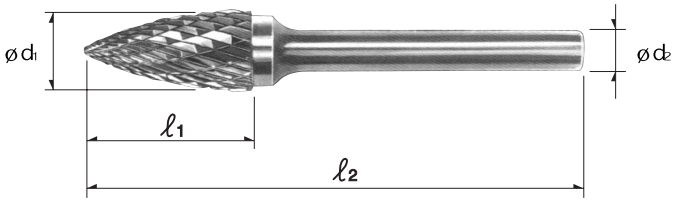
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1106001	SF-41M	3	3	6	38	R1206001	SF-41MP
R1106002	SF-42M	3	3	12.7	38	R1206002	SF-42MP
R1106003	SF-11M	3	6	12.7	56	R1206003	SF-11MP
R1106004	SF-42ML2	3	3	12.7	50	R1206004	SF-42ML2P
R1106005	SF-42ML3	3	3	12.7	75	R1206005	SF-42ML3P
R1106006	SF-53M	5	3	12.7	38	R1206006	SF-53MP
R1106008	SF-1M	6	6	16	50	R1206008	SF-1MP
R1106010	SF-51M	6.3	3	12.7	50	R1206010	SF-51MP
R1106011	SF-3M	9.5	6	19	63	R1206011	SF-3MP
R1106014	SF-4M	11	6	25	69	R1206014	SF-4MP
R1106016	SF-13M	12.7	6	19	63	R1206016	SF-13MP
R1106017	SF-5M	12.7	6	25	69	R1206017	SF-5MP
R1106020	SF-6M	16	6	25	69	R1206020	SF-6MP
R1106022	SF-7M	19	6	25	69	R1206022	SF-7MP
R1106023	SF-14M	19	6	32	76	R1206023	SF-14MP
R1106026	SF-15M	19	6	38	82	R1206026	SF-15MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2
EDP No.	ITEM No.				
R1306009	SF-1MNF	6	6	19	50
R1306013	SF-3MNF	9.5	6	19	63
R1306019	SF-5MNF	12.7	6	25	69
R1306021	SF-6MNF	16	6	25	69
R1306024	SF-14MNF	19	6	32	76

▶ Chip Breaker Type, Diamond Cut Type is available on your request.

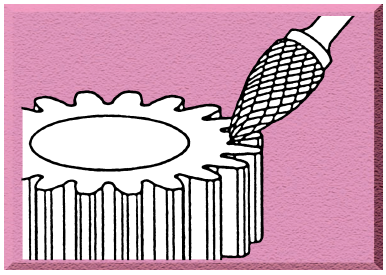


TREE SHAPE WITH POINTED END
Spitzbogen, Form G

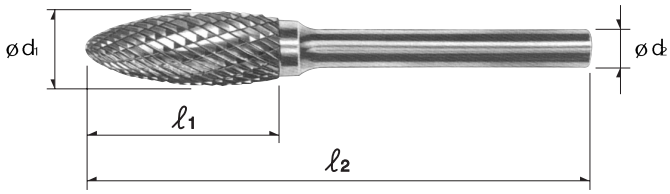


DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1107001	SG-41M	3	3	6	38	R1207001	SG-41MP
R1107002	SG-43M	3	3	9.5	38	R1207002	SG-43MP
R1107003	SG-44M	3	3	12.7	38	R1207003	SG-44MP
R1107004	SG-44ML2	3	3	12.7	50	R1207004	SG-44ML2P
R1107005	SG-44ML3	3	3	12.7	75	R1207005	SG-44ML3P
R1107006	SG-53M	5	3	12.7	38	R1207006	SG-53MP
R1107008	SG-1M	6	6	16	50	R1207008	SG-1MP
R1107009	SG-51M	6.3	3	12.7	50	R1207009	SG-51MP
R1107010	SG-2M	8	6	19	63	R1207010	SG-2MP
R1107011	SG-3M	9.5	6	19	63	R1207011	SG-3MP
R1107015	SG-13M	12.7	6	19	63	R1207015	SG-13MP
R1107016	SG-5M	12.7	6	25	69	R1207016	SG-5MP
R1107018	SG-6M	16	6	25	69	R1207018	SG-6MP
R1107019	SG-7M	19	6	25	69	R1207019	SG-7MP
R1107020	SG-15M	19	6	38	82	R1207020	SG-15MP

▶Chip Breaker Type, Diamond Cut Type is available on your request.

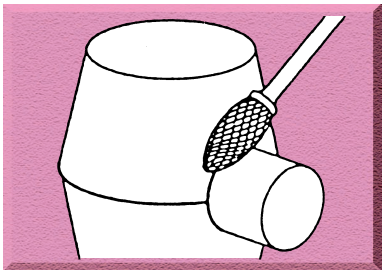


FLAME SHAPE
Flammen, Form H

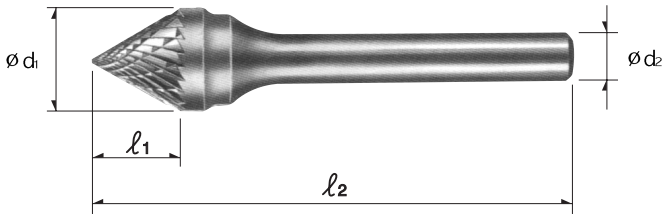


DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1108001	SH-41M	3	3	6.3	38	R1208001	SH-41MP
R1108002	SH-41ML2	3	3	6.3	50	R1208002	SH-41ML2P
R1108003	SH-41ML3	3	3	6.3	75	R1208003	SH-41ML3P
R1108004	SH-53M	5	3	9.5	38	R1208004	SH-53MP
R1108005	SH-2M	8	6	19	63	R1208005	SH-2MP
R1108007	SH-5M	12.7	6	32	76	R1208007	SH-5MP
R1108009	SH-6M	16	6	36	80	R1208009	SH-6MP
R1108010	SH-7M	19	6	41	85	R1208010	SH-7MP

▶ Chip Breaker Type, Diamond Cut Type is available on your request.

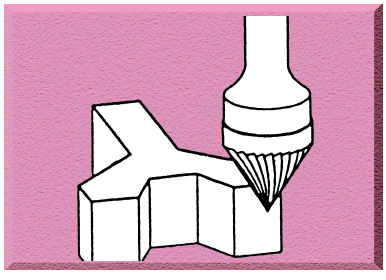


60°CONE SHAPE
60°Kegelsenk, Form J

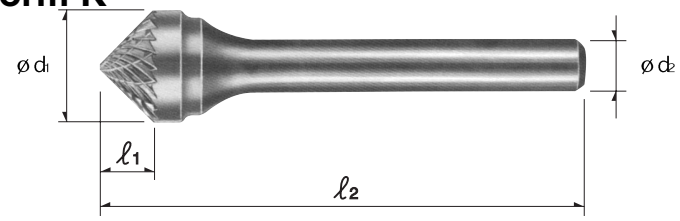


DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1109001	SJ-42M	3	3	2.5	38	R1209001	SJ-42MP
R1109002	SJ-1M	6	6	4	50	R1209002	SJ-1MP
R1109003	SJ-3M	9.5	6	8	55	R1209003	SJ-3MP
R1109004	SJ-5M	12.7	6	11	58	R1209004	SJ-5MP
R1109005	SJ-6M	16	6	13.5	61	R1209005	SJ-6MP
R1109006	SJ-7M	19	6	16.5	65	R1209006	SJ-7MP
R1109007	SJ-9M	25	6	21.5	68	R1209007	SJ-9MP

▶Chip Breaker Type, Diamond Cut Type is available on your request.

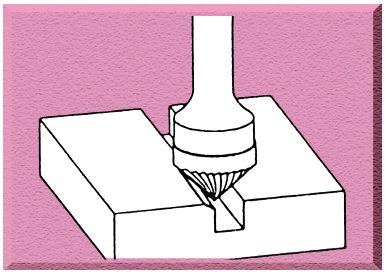


90° CONE SHAPE
90° Kegelsenk, Form K

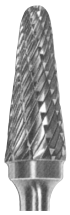


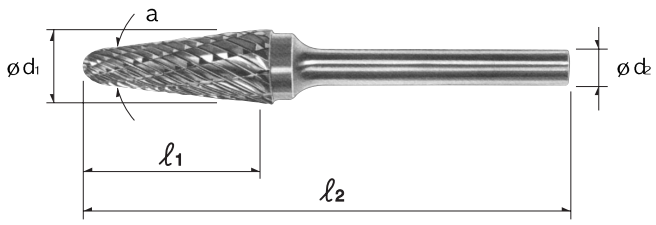
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	PLAIN CUT	
EDP No.	ITEM No.					EDP No.	ITEM No.
R1110001	SK-42M	3	3	1.5	38	R1210001	SK-42MP
R1110002	SK-1M	6	6	3	50	R1210002	SK-1MP
R1110003	SK-3M	9.5	6	4.7	52	R1210003	SK-3MP
R1110004	SK-5M	12.7	6	6.3	54	R1210004	SK-5MP
R1110005	SK-6M	16	6	8	57	R1210005	SK-6MP
R1110006	SK-7M	19	6	9.5	58	R1210006	SK-7MP
R1110007	SK-9M	25	6	12.7	60	R1210007	SK-9MP

▶ Chip Breaker Type, Diamond Cut Type is available on your request.



TAPER WITH RADIUS END
Rundkegel, Form L

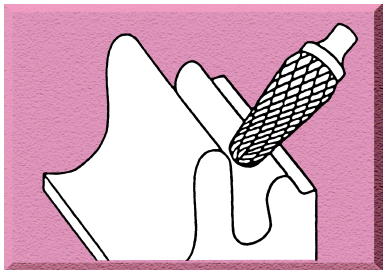




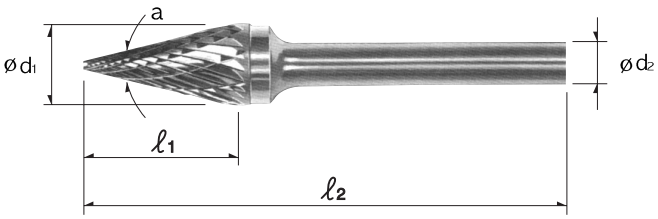
DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	a	PLAIN CUT	
EDP No.	ITEM No.						EDP No.	ITEM No.
R1111001	SL-41M	3	3	9.5	38	8°	R1211001	SL-41MP
R1111002	SL-42M	3	3	12.7	38	8°	R1211002	SL-42MP
R1111003	SL-42ML2	3	3	12.7	50	8°	R1211003	SL-42ML2P
R1111004	SL-42ML3	3	3	12.7	75	8°	R1211004	SL-42ML3P
R1111005	SL-53M	5	3	12.7	38	14°	R1211005	SL-53MP
R1111006	SL-1M	6	6	16	50	14°	R1211006	SL-1MP
R1111008	SL-2M	8	6	22	69	14°	R1211008	SL-2MP
R1111009	SL-3M	9.5	6	27	74	14°	R1211009	SL-3MP
R1111012	SL-4M	12.7	6	28	76	14°	R1211012	SL-4MP
R1111015	SL-5M	16	6	30	77	14°	R1211015	SL-5MP
R1111017	SL-7M	19	6	38	85	14°	R1211017	SL-7MP

ALUMA CUT		d_1	d_2	ℓ_1	ℓ_2	a
EDP No.	ITEM No.					
R1311010	SL-3MNF	9.5	6	27	74	14°
R1311013	SL-4MNF	12.7	6	28	76	14°
R1311016	SL-5MNF	16	6	30	77	14°
R1311018	SL-7MNF	19	6	38	85	14°

▶Chip Breaker Type, Diamond Cut Type is available on your request.

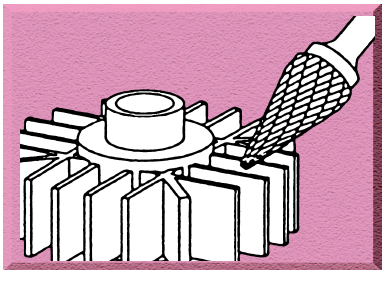


CONE SHAPE
Spitzkegel, Form M

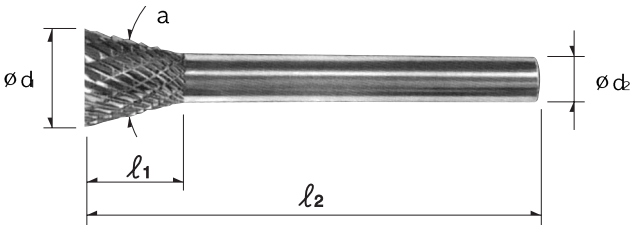


DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	a	PLAIN CUT	
EDP No.	ITEM No.						EDP No.	ITEM No.
R1112001	SM-41M	3	3	8.9	38	12°	R1212001	SM-41MP
R1112002	SM-42M	3	3	11	38	14°	R1212002	SM-42MP
R1112003	SM-42ML2	3	3	11	50	14°	R1212003	SM-42ML2P
R1112004	SM-42ML3	3	3	11	75	14°	R1212004	SM-42ML3P
R1112005	SM-43M	3	3	16	38	7°	R1212005	SM-43MP
R1112006	SM-53M	5	3	12.7	38	16°	R1212006	SM-53MP
R1112007	SM-1M	6	6	12.7	50	22°	R1212007	SM-1MP
R1112008	SM-2M	6	6	19	50	14°	R1212008	SM-2MP
R1112009	SM-3M	6	6	25	50	10°	R1212009	SM-3MP
R1112010	SM-51M	6.3	3	12.7	53	22°	R1212010	SM-51MP
R1112011	SM-4M	9.5	6	16	63	28°	R1212011	SM-4MP
R1112012	SM-5M	12.7	6	22	69	28°	R1212012	SM-5MP
R1112013	SM-6M	16	6	25	73	31°	R1212013	SM-6MP

▶ Chip Breaker Type, Diamond Cut Type is available on your request.

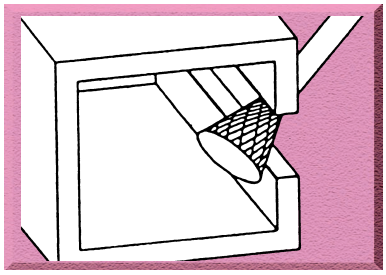


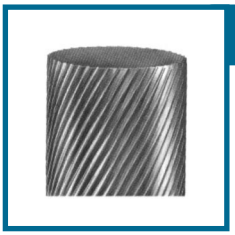
INVERTED CONE SHAPE
Winkel, Form N



DOUBLE CUT		d_1	d_2	ℓ_1	ℓ_2	a	PLAIN CUT	
EDP No.	ITEM No.						EDP No.	ITEM No.
R1113001	SN-41M	2.5	3	3	38	10°	R1213001	SN-41MP
R1113002	SN-42M	3	3	4	38	10°	R1213002	SN-42MP
R1113003	SN-53M	5	3	6.3	38	10°	R1213003	SN-53MP
R1113004	SN-1M	6	6	8	50	10°	R1213004	SN-1MP
R1113005	SN-51M	6.3	3	6	44	10°	R1213005	SN-51MP
R1113006	SN-2M	9.5	6	9.5	53	13°	R1213006	SN-2MP
R1113007	SN-4M	12.7	6	12.7	57	28°	R1213007	SN-4MP
R1113008	SN-6M	16	6	19	63	18°	R1213008	SN-6MP
R1113009	SN-7M	19	6	16	60	30°	R1213009	SN-7MP

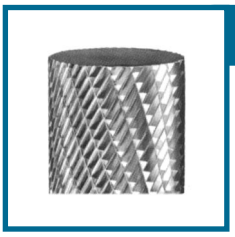
▶Chip Breaker Type, Diamond Cut Type is available on your request.





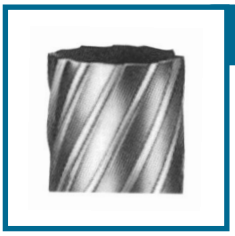
Plain Cut

- The general use of "Plain Cut" is on steel, steel alloys, cast iron, copper and brass.
- Designed for rapid stock removal and good workpiece finishes.
- Produces long chips.



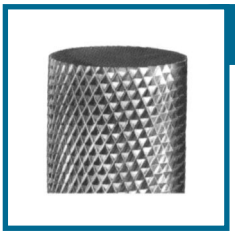
Double Cut

- The double cut burr allows rapid stock removal in the harder materials.
- Designed for creating a small chip and excellent workpiece finishes.
- The small chip helps to eliminate loading of the flutes.
- Exceedingly convenient application by user.



Aluma Cut

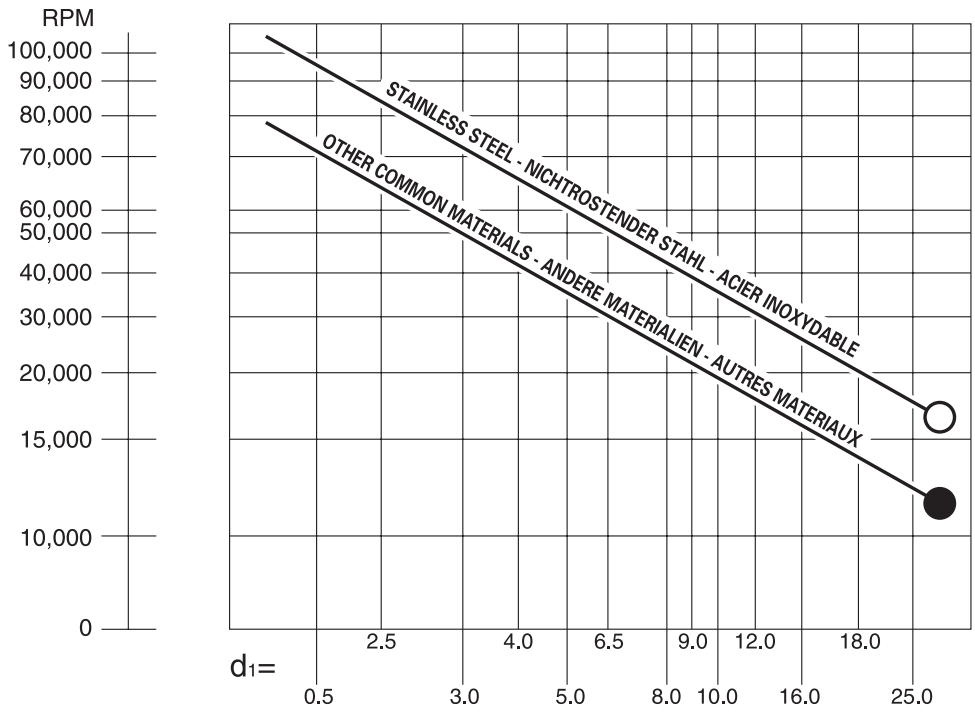
- Designed to be wider chip space with relief angle.
- More suitable application to non-ferrous metals.



Diamond Cut

- Designed for creating extremely small chips as powder-like chip.
- Excellent operator control on heat treated and tough alloy steels.
- Excellent finishes.

BURR APPLICATION INFORMATION

MATERIALS	PLAIN CUT	DOUBLE CUT	ALUMA CUT	DIAMOND CUT
ALUMINUM			●	
BRASS,BRONZE,COPPER	●	●		
FIBER GLASS				●
CAST IRON	●	●		
PLASTICS			●	
STEEL, HRc 40~55	●	●		●
STEEL, HRc 55~60	●	●		●
STEEL, CARBON	●	●		
STEEL, NICKEL CHROME	●	●		●
STEEL, WELDMENTS	●	●		
TITANIUM	●	●		
ZINC			●	

BURR SPEED RECOMMENDATIONS