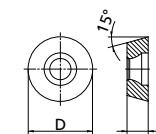
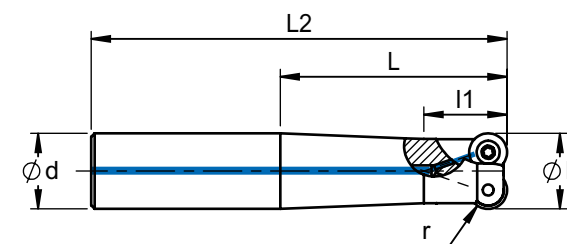


Cutting tools / inserts

shank type cutter, R2,5 RD__



Wendeschneidplatten RD
inserts RD
s. Seite / see page 36-37



D	Bestell-Nr. order number	L	l1	L2	d	d3	z	WSP DxS	r			
10	2 10 951	30	30	75	10	9	2	5x1,5	2,5	x	993 01	994 06
12	3 12 950	30	30	75	12	11	3	5x1,5	2,5	x	993 01	994 06
15	4 15 949	30	30	80	16	15	4	5x1,5	2,5	x	993 01	994 06

shank type cutters / modular screw in cutters / shell cutters RD__

shank type cutters / modular screw in cutters ROHX

modular screw in cutters / shell cutters XDHWS

modular screw in cutters / shell cutters VCGT / VDG

modular screw in cutters / shell cutters SEKX / OFMT

shell cutters PDHX

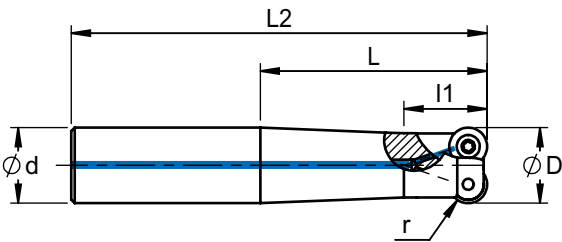
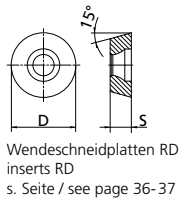
shank type cutters / modular screw in cutters / shell cutters ADKT / APKT

modular screw in cutters / shell cutters AXMT

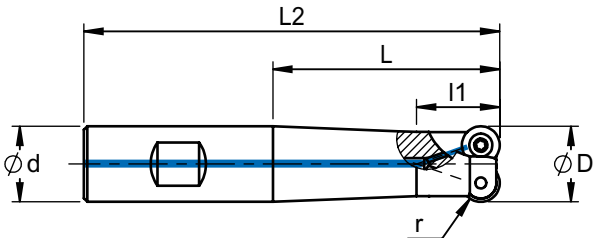
inserts

Specials on request.

Schaftfräser, R3,5 RD__
shank type cutter, R3,5 RD__

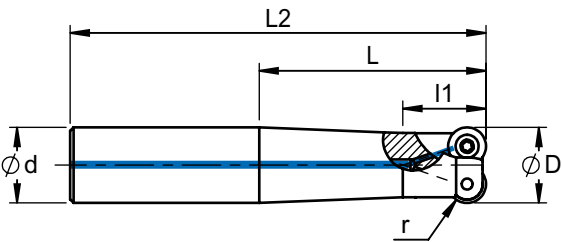
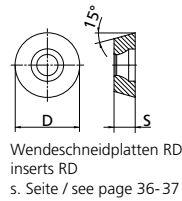


D	Bestell-Nr. order number	L	I1	L2	d	d3	z	WSP DxS	r			
12	2 12 948	30	-	75	10	-	2	7x1,99	3,5	x	993 02K	994 15
12	2 12 947	30	-	75	12	-	2	7x1,99	3,5	x	993 02K	994 15
12	2 12 942	40	16	88	16	-	2	7x1,99	3,5	x	993 02K	994 15
12	2 12 941	60	16	108	16	-	2	7x1,99	3,5	x	993 02K	994 15
12	2 12 940	80	16	128	16	-	2	7x1,99	3,5	x	993 02K	994 15
15	2 15 938	40	20	88	16	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 937	60	20	108	16	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 936	80	22	130	20	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 935	100	22	150	20	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 934	120	22	176	25	-	2	7x2,38	3,5	x	993 02	994 15

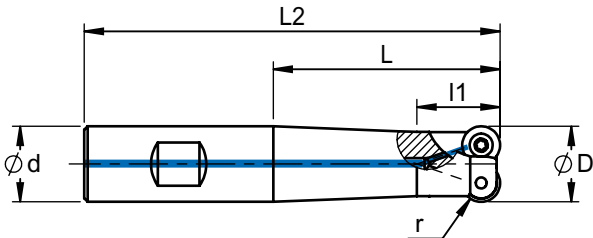


D	Bestell-Nr. order number	L	I1	L2	d	d3	z	WSP DxS	r			
12	2 12 946	40	16	88	16	-	2	7x1,99	3,5	x	993 02K	994 15
12	2 12 945	60	16	108	16	-	2	7x1,99	3,5	x	993 02K	994 15
12	2 12 944	80	16	128	16	-	2	7x1,99	3,5	x	993 02K	994 15
15	2 15 961	40	20	88	16	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 960	60	20	108	16	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 959	80	22	130	20	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 958	100	22	150	20	-	2	7x2,38	3,5	x	993 02	994 15
15	2 15 957	120	22	176	25	-	2	7x2,38	3,5	x	993 02	994 15

Schaftfräser, R5 RD__
shank type cutter, R5 RD__

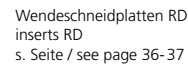


D	Bestell-Nr. order number	L	I1	L2	d	d3	z	WSP DxS	r			
20	2 20 933	40	20	90	20	-	2	10x3,18	5	x	993 04	994 15
20	2 20 932	60	22	110	20	-	2	10x3,18	5	x	993 04	994 15
20	2 20 931	80	25	136	25	-	2	10x3,18	5	x	993 04	994 15
20	2 20 930	100	25	156	25	-	2	10x3,18	5	x	993 04	994 15
20	2 20 929	120	25	176	25	-	2	10x3,18	5	x	993 04	994 15



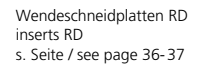
D	Bestell-Nr. order number	L	I1	L2	d	d3	z	WSP DxS	r			
20	2 20 956	40	20	90	20	-	2	10x3,18	5	x	993 04	994 15
20	2 20 955	60	22	110	20	-	2	10x3,18	5	x	993 04	994 15
20	2 20 954	80	25	136	25	-	2	10x3,18	5	x	993 04	994 15
20	2 20 953	100	25	156	25	-	2	10x3,18	5	x	993 04	994 15
20	2 20 952	120	25	176	25	-	2	10x3,18	5	x	993 04	994 15

modular screw in cutter R2,5 RD__



8 rineck

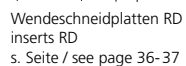
modular screw in cutter R3,5 RD__

rineck 9

modular screw in cutter R4 RD__



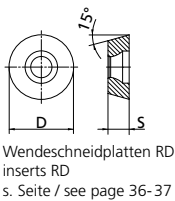
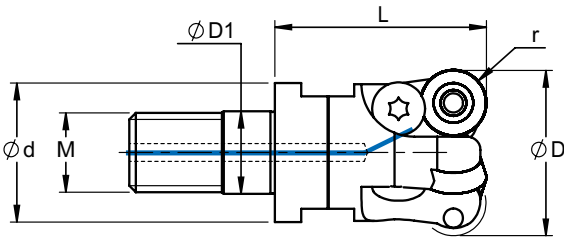
10 rineck



modular screw in cutter R5 RD__

rineck 11

Einschraubfräser R6 RD__
modular screw in cutter R6 RD__

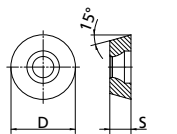
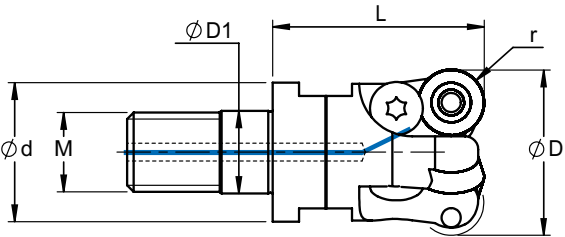


Wendeschneidplatten RD
inserts RD
s. Seite / see page 36-37



D	Bestell-Nr. order number	L	D1	d	Z	M	WSP DxS	r					
24	2 24 980	32	12,5	21	2	12	12x3,97	6	x	-	995 05	993 04	994 15
24	2 24 980-35	35	12,5	21	2	12	12x3,97	6	x	-	-	993 04	994 15
30	3 30 816	42	17	29	3	16	12x3,97	6	x	-	995 05	993 04	994 15
32	3 32 816	42	17	29	3	16	12x3,97	6	x	-	995 05	993 04	994 15
35	3 35 979	42	17	29	3	16	12x3,97	6	x	-	995 05	993 04	994 15
35	4 35 978	42	17	29	4	16	12x3,97	6	x	-	-	993 04	994 15
42	4 42 977	42	17	29	4	16	12x3,97	6	x	-	995 05	993 04	994 15
42	5 42 976	42	17	29	5	16	12x3,97	6	x	-	-	993 04	994 15
42	5 42 976-37	42	17	37	5	16	12x3,97	6	x	-	-	993 04	994 15

Einschraubfräser R8 RD__
modular screw in cutter R8 RD__



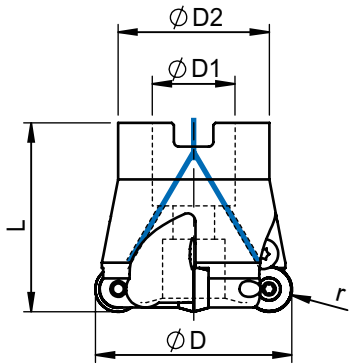
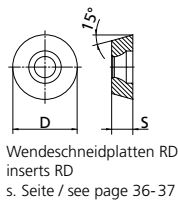
Wendeschneidplatten RD
inserts RD
s. Seite / see page 36-37



D	Bestell-Nr. order number	L	D1	d	Z	M	WSP DxS	r					
32	2 32 975	42	17	29	2	16	16x4,76	8	x	-	-	993 06	994 20
32	2 32 852	42	17	29	2	16	16x4,76	8	x	995 01	-	993 06	994 20
35	3 35 853	42	17	29	3	16	16x4,76	8	x	-	-	993 06	994 20

Aufsteckfräser R4-R5-R6-R8 RD__

shell cutter R4-R5-R6-R8 RD__



D	Bestell-Nr. order number	L	D1	D2	Z	WSP DxS	r					
42	7 42RD08A16	42	16	35	7	8x2,78	4	x	-	-	993 12	994 08
52	8 52RD08A22	42	22	40	8	8x2,78	4	x	-	-	993 12	994 08

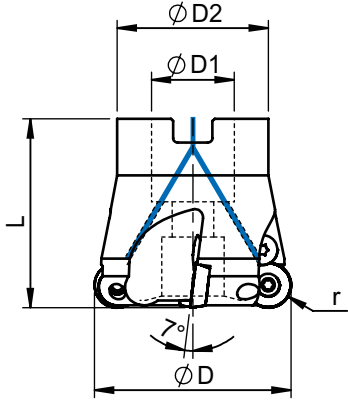
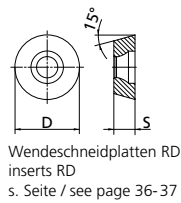
42	6 42 RD10A16	42	16	35	6	10x3,18	5	x	-	-	993 04	994 15
52	6 52 RD10A22	50	22	40	6	10x3,18	5	x	-	-	993 04	994 15
52	7 52 998	50	22	40	7	10x3,18	5	x	-	-	993 04	994 15
66	7 66 RD10A27	50	27	48	7	10x3,18	5	x	-	-	993 04	994 15

42	4 42 858	42	16	35	4	12x3,97	6	x	-	-	993 04	994 15
42	5 42 996	42	16	35	5	12x3,97	6	x	-	-	993 04	994 15
50	5 50 RD12A22	50	22	40	5	12x3,97	6	x	-	995 05	993 04	994 15
52	5 52 995	50	22	40	5	12x3,97	6	x	-	995 05	993 04	994 15
66	6 66 854	50	27	48	6	12x3,97	6	x	-	995 05	993 04	994 15
80	7 80 851	50	27	60	7	12x3,97	6	x	-	995 05	993 04	994 15

52	4 52 994	50	22	40	4	16x4,76	8	x	995 01	-	993 06	994 20
52	5 52 993	50	22	40	5	16x4,76	8	x	-	-	993 06	994 20
66	5 66 992	50	27	48	5	16x4,76	8	x	995 01	-	993 06	994 20
80	5 80 RD16A27	52	27	60	5	16x4,76	8	x	-	-	993 06	994 20
80	6 80 991	52	27	60	6	16x4,76	8	x	995 01	-	993 06	994 20
100	7 100 990	52	32	70	7	16x4,76	8	-	995 01	-	993 06	994 20
125	8 125 989	52	40	90	8	16x4,76	8	-	995 01	-	993 06	994 20
160	9 160 988	52	40	120	9	16x4,76	8	-	995 01	-	993 06	994 20
200	11 200 RD16A40	52	40	160	11	16x4,76	8	-	995 01	-	993 06	994 20

Aufsteckfräser R5-R6-R8 RD__ 7° pos.

shell cutter R5-R6-R8 RD__



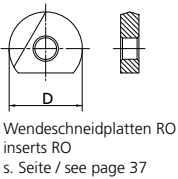
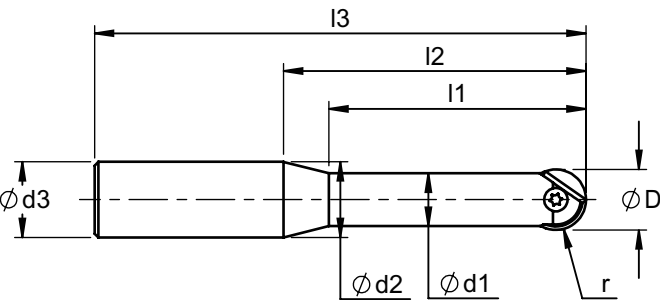
D	Bestell-Nr. order number	L	D1	D2	Z	WSP DxS	r					
42	6 42 RD10A16/7	42	16	35	6	10x3,18	5	x	-	-	993 04	994 15
52	7 52 850	50	22	40	7	10x3,18	5	x	-	-	993 04	994 15

40	4 40 856	42	16	35	4	12x3,97	6	x	-	-	993 04	994 15
50	5 50 RD12A22/7	50	22	40	5	12x3,97	6	x	-	-	993 04	994 15
52	5 52 928	52	22	40	5	12x3,97	6	x	-	995 05	993 04	994 15
66	6 66 927	52	27	48	6	12x3,97	6	x	-	995 05	993 04	994 15
80	7 80 926	52	27	60	7	12x3,97	6	x	-	995 05	993 04	994 15

52	4 52 835	50	22	40	4	16x4,76	8	x	995 01	-	993 06	994 20
66	5 66 925	50	27	48	5	16x4,76	8	x	995 01	-	993 06	994 20
80	6 80 924	52	27	60	6	16x4,76	8	x	995 01	-	993 06	994 20
100	7 100 923	52	32	70	7	16x4,76	8	-	995 01	-	993 06	994 20
125	8 125 922	52	40	90	8	16x4,76	8	-	995 01	-	993 06	994 20
160	9 160 921	52	40	120	9	16x4,76	8	-	995 01	-	993 06	994 20

Kugelbahnschaftfräser ROHX

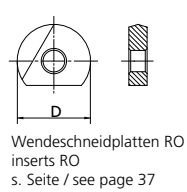
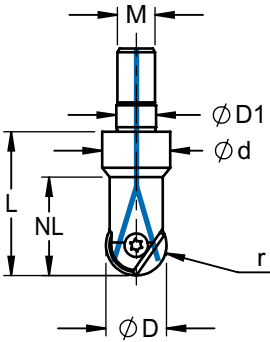
ball nose cutter ROHX



D	Bestell-Nr. order number	I1	I2	I3	d1	d2	d3	Z	r		
8	860RO8G12	30	60	105	7,3	12	12	2	4	993 22	994 07
8	880RO8G12	30	80	125	7,3	12	12	2	4	993 22	994 07
10	1060RO10G16	40	60	108	9	16	16	2	5	993 23	994 08
10	1080RO10G16	40	80	128	9	16	16	2	5	993 23	994 08
12	1240RO12G12	40	40	85	10,5	12	12	2	6	993 24	994 10
12	1260RO12G16	50	60	108	10,5	16	16	2	6	993 24	994 10
12	1280RO12G16	60	80	128	10,5	16	16	2	6	993 24	994 10
12	12100RO12G16	70	100	148	10,5	16	16	2	6	993 24	994 10
16	1640RO16G16	40	40	88	14	16	16	2	8	993 25	994 15
16	1660RO16G16	60	60	108	14	16	16	2	8	993 25	994 15
16	1680RO16G20	60	80	130	14	20	20	2	8	993 25	994 15
16	16100RO16G20	80	100	150	14	20	20	2	8	993 25	994 15

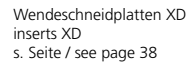
Kugelbahneinschraubfräser ROHX

modular screw in cutter ROHX

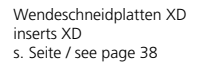


D	Bestell-Nr. order number	L	NL	d	D1	M	r		
8	823RO8M6	23	13	9,8	6,5	6	4	993 22	994 07
10	1023RO10M6	23	23	9,8	6,5	6	5	993 23	994 08
10	1033RO10M8	33	18	13	8,5	8	5	993 23	994 08
12	1223RO12M6	23	23	9,8	6,5	6	6	993 24	994 10
12	1233RO12M8	33	18	13	8,5	8	6	993 24	994 10
16	1628RO16M8	28	28	13,6	8,5	8	8	993 25	994 15
16	1628RO16M10	28	28	15,4	10,5	10	8	993 25	994 15
16	1638RO16M10	38	26	18	10,5	10	8	993 25	994 15
20	2028RO20M10	28	28	18	10,5	10	10	993 27	994 20

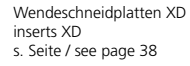
modular screw in cutter for insert - XDHW - XDHT

[illegible]

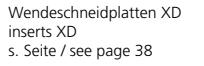
modular screw in cutter for insert - XDHW - XDHT

[illegible]

modular screw in cutter for insert - XDHW - XDHT

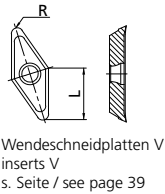
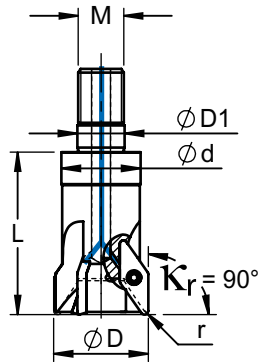
20 rineck

shell cutter for insert - XDHW - XDHT

rineck 21

Einschraub-Tauchfräser für Aluminium, Kupfer, Kunststoff, Graphit
VDGT/VCGT

modular screw in cutter for aluminium, copper, plastic, graphite VDGT/VCGT



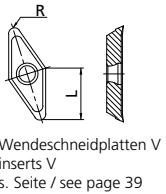
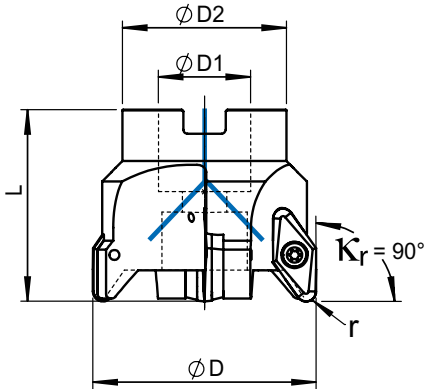
Wendeschneidplatten V
inserts V
s. Seite / see page 39



D	Bestell-Nr. order number	L	D1	d	Z	M	WSP L	r			
15	2 15VD11-05M8	36	8,5	13,5	2	8	11	0,5	x	993 02	994 07
16	2 16VD11-05M8	36	8,5	13,5	2	8	11	0,5	x	993 02	994 07
20	2 20VD11-05M10	36	10,5	18	2	10	11	0,5	x	993 02	994 07
25	3 25VD11-05M12	41	12,5	21	3	12	11	0,5	x	993 02	994 07
32	4 32VD11-05M16	45	17	29	4	16	11	0,5	x	993 02	994 07
42	5 42VD11-05M16	45	17	34	5	16	11	0,5	x	993 02	994 07
15	2 15 879	36	8,5	13,5	2	8	11	1	x	993 02	994 07
16	2 16 815	36	8,5	13,5	2	8	11	1	x	993 02	994 07
16	2 16 815-M10	36	10,5	15,4	2	10	11	1	x	993 02	994 07
20	2 20 878	36	10,5	18	2	10	11	1	x	993 02	994 07
25	3 25 877	41	12,5	21	3	12	11	1	x	993 02	994 07
32	4 32 876	45	17	29	4	16	11	1	x	993 02	994 07
42	5 42 875	45	17	34	5	16	11	1	x	993 02	994 07
32	2 32 874	48	17	29	2	16	22	3	x	993 06	994 20
42	3 42 873	48	17	34	3	16	22	3	x	993 06	994 20
42	3 42 873-37	48	17	37	3	16	22	3	x	993 06	994 20

Aufsteck-Tauchfräser für Aluminium, Kupfer, Kunststoff, Graphit
VCGT

shell cutter for aluminium, copper, plastic, graphite VCGT

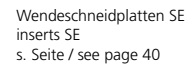


Wendeschneidplatten V
inserts V
s. Seite / see page 39

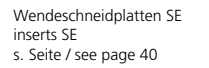


D	Bestell-Nr. order number	L	D1	D2	Z	WSP L	r			
42	3 42 872	57	16	35	3	22	3	x	993 06	994 20
50	3 50 871	57	22	40	3	22	3	x	993 06	994 20
52	3 52 871	57	22	40	3	22	3	x	993 06	994 20
66	4 66 870	57	27	48	4	22	3	x	993 06	994 20
80	4 80 869	57	27	60	4	22	3	x	993 06	994 20
100	5 100 868	55	32	70	5	22	3	-	993 06	994 20
125	6 125 867	55	40	90	6	22	3	-	993 06	994 20

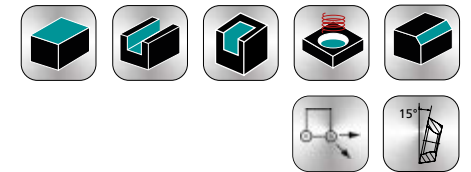
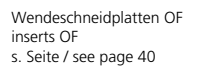
face milling cutter 45° SEKX



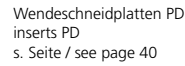
modular screw in cutter for chamfering SEKX



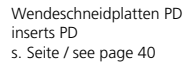
shell cutter OFMT



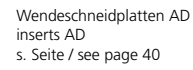
shell cutter for pentagon insert PDHX



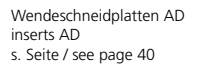
shell cutter for pentagon insert PDHX



modular screw in cutter, ADKT

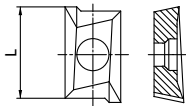


shell cutter ADKT

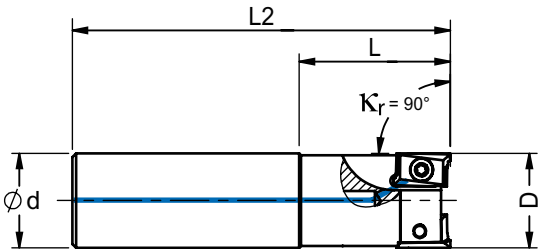


Schaftfräser APKT 1003 PD...

shank type cutter APKT 1003 PD...



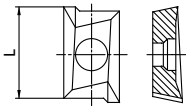
Wendeschneidplatten AP
inserts AP
s. Seite / see page 40



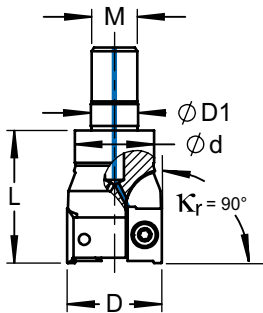
D	Bestell-Nr. order number	L	L2	d	Z	WSP L			
10	110AP10G12A80	25	80	12	1	10	x	993 12	994 08
10	110AP10G12A120	40	120	12	1	10	x	993 12	994 08
12	112AP10G12A80	25	80	12	1	10	x	993 12	994 08
12	112AP10G12A120	40	120	12	1	10	x	993 12	994 08
13	113AP10G12A120	-	120	12	1	10	x	993 12	994 08
16	216AP10G16A85	30	85	16	2	10	x	993 12	994 08
16	216AP10G16A180	50	180	16	2	10	-	993 12	994 08
17	217AP10G16A180	-	180	16	2	10	-	993 12	994 08
20	320AP10G20A90	35	90	20	3	10	x	993 12	994 08
20	320AP10G20A180	50	180	20	3	10	-	993 12	994 08
21	321AP10G20A180	-	180	20	3	10	-	993 12	994 08
25	425AP10G25A100	40	100	25	4	10	x	993 12	994 08
25	425AP10G25A180	70	180	25	4	10	-	993 12	994 08
26	426AP10G25A180	-	180	25	4	10	-	993 12	994 08

Einschraubfräser APKT 1003 PD...

modular screw in cutter APKT 1003 PD...



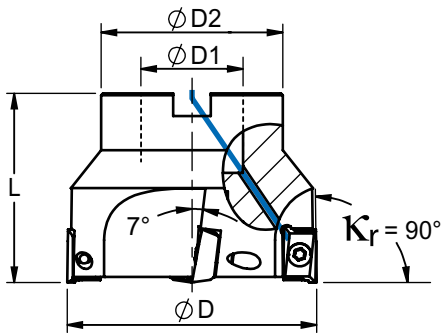
Wendeschneidplatten AP
inserts AP
s. Seite / see page 40



D	Bestell-Nr. order number	L	D1	d	M	Z	WSP L			
16	216AP10M8	25	8,5	13,8	8	2	10	x	993 12	994 08
20	320AP10M10	30	10,5	18	10	3	10	x	993 12	994 08
25	425AP10M12	35	12,5	21	12	4	10	x	993 12	994 08

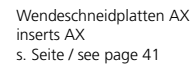
Aufsteckfräser APKT 1003 PD...

shell cutter, APKT 1003 PD...

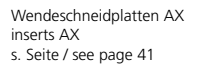


D	Bestell-Nr. order number	L	D1	D2	Z	WSP L			
40	640AP10A16	40	16	35	6	10	x	993 12	994 08
50	750AP10A22	50	22	40	7	10	x	993 12	994 08
52	752AP10A22	50	22	40	7	10	x	993 12	994 08
63	863AP10A27	50	27	48	8	10	x	993 12	994 08
66	866AP10A27	50	27	48	8	10	x	993 12	994 08

modular screw in cutter, AXMT

[illegible]

shell cutter AXMT

[illegible]