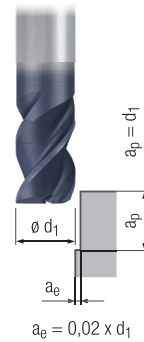
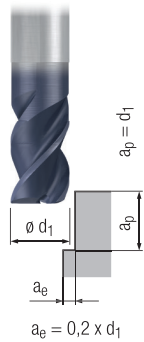
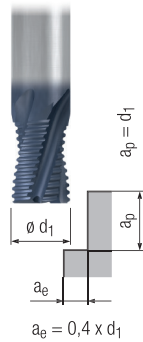
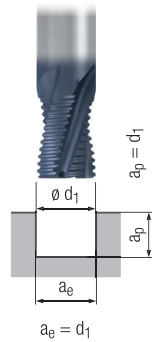




Hartmetall-Schaft- und Langlochfräser – extra kurze und kurze Ausführung
Solid carbide end mills and slot drills – extra short and short design

NR N W

N W



Gültig für · Valid for

1805A 1824A 2821A
1806A 1929A
1819A 1930A

Product Finder

NR

NF

N

WR

WF

W

v_c / f_z



		NR		N		W							
		v_c [m/min]	f_z [mm]	v_c [m/min]	f_z [mm]	v_c [m/min]	f_z [mm]					v_c [m/min]	f_z [mm]
P	1.1	140	$0,005 \times d_1$	160	$0,006 \times d_1$	180	$0,007 \times d_1$	200	$0,008 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.1	120	$0,004 \times d_1$	140	$0,005 \times d_1$	160	$0,006 \times d_1$	170	$0,007 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.1	110	$0,004 \times d_1$	130	$0,005 \times d_1$	140	$0,005 \times d_1$	150	$0,006 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.1	80	$0,003 \times d_1$	90	$0,004 \times d_1$	100	$0,004 \times d_1$	110	$0,005 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	5.1	70	$0,003 \times d_1$	80	$0,003 \times d_1$	90	$0,004 \times d_1$	100	$0,004 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
M	1.1	70	$0,003 \times d_1$	80	$0,004 \times d_1$	90	$0,004 \times d_1$	100	$0,005 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.1	60	$0,003 \times d_1$	70	$0,004 \times d_1$	80	$0,004 \times d_1$	80	$0,005 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.1												
	4.1												
K	1.1	140	$0,005 \times d_1$	160	$0,006 \times d_1$	180	$0,007 \times d_1$	200	$0,008 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	1.2	140	$0,005 \times d_1$	160	$0,006 \times d_1$	180	$0,007 \times d_1$	200	$0,008 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.1	120	$0,004 \times d_1$	140	$0,005 \times d_1$	160	$0,006 \times d_1$	170	$0,006 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.2	120	$0,004 \times d_1$	140	$0,005 \times d_1$	160	$0,006 \times d_1$	170	$0,006 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.1	110	$0,004 \times d_1$	130	$0,005 \times d_1$	140	$0,006 \times d_1$	150	$0,006 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.2	110	$0,004 \times d_1$	130	$0,005 \times d_1$	140	$0,006 \times d_1$	150	$0,006 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.1	80	$0,003 \times d_1$	90	$0,004 \times d_1$	100	$0,004 \times d_1$	110	$0,005 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	4.2	70	$0,003 \times d_1$	80	$0,004 \times d_1$	90	$0,004 \times d_1$	100	$0,005 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
N	1.1	630	$0,009 \times d_1$	720	$0,011 \times d_1$	820	$0,013 \times d_1$	880	$0,014 \times d_1$				<input checked="" type="checkbox"/>
	1.2	630	$0,008 \times d_1$	720	$0,010 \times d_1$	820	$0,011 \times d_1$	880	$0,013 \times d_1$				<input checked="" type="checkbox"/>
	1.3	630	$0,007 \times d_1$	720	$0,008 \times d_1$	820	$0,010 \times d_1$	880	$0,011 \times d_1$				<input checked="" type="checkbox"/>
	1.4	380	$0,008 \times d_1$	440	$0,010 \times d_1$	490	$0,011 \times d_1$	530	$0,013 \times d_1$				<input checked="" type="checkbox"/>
	1.5	300	$0,007 \times d_1$	350	$0,008 \times d_1$	390	$0,010 \times d_1$	420	$0,011 \times d_1$				<input checked="" type="checkbox"/>
	1.6	190	$0,006 \times d_1$	220	$0,007 \times d_1$	250	$0,008 \times d_1$	270	$0,010 \times d_1$				<input checked="" type="checkbox"/>
	2.1	120	$0,005 \times d_1$	140	$0,006 \times d_1$	160	$0,007 \times d_1$	170	$0,008 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.2	120	$0,005 \times d_1$	140	$0,006 \times d_1$	160	$0,007 \times d_1$	170	$0,008 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.3	120	$0,005 \times d_1$	140	$0,006 \times d_1$	160	$0,007 \times d_1$	170	$0,008 \times d_1$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.4	110	$0,004 \times d_1$	130	$0,005 \times d_1$	140	$0,006 \times d_1$	150	$0,006 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.5	110	$0,004 \times d_1$	130	$0,005 \times d_1$	140	$0,006 \times d_1$	150	$0,006 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.6	110	$0,004 \times d_1$	130	$0,005 \times d_1$	140	$0,006 \times d_1$	150	$0,006 \times d_1$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.7	70	$0,003 \times d_1$	80	$0,004 \times d_1$	90	$0,004 \times d_1$	100	$0,005 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2.8	70	$0,003 \times d_1$	80	$0,004 \times d_1$	90	$0,004 \times d_1$	100	$0,005 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.1	280	$0,009 \times d_1$	320	$0,011 \times d_1$	360	$0,013 \times d_1$	390	$0,014 \times d_1$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	3.2	280	$0,007 \times d_1$	320	$0,008 \times d_1$	360	$0,010 \times d_1$	390	$0,011 \times d_1$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	280	$0,008 \times d_1$	320	$0,009 \times d_1$	360	$0,011 \times d_1$	390	$0,012 \times d_1$		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.2	420	$0,008 \times d_1$	480	$0,009 \times d_1$	550	$0,011 \times d_1$	590	$0,012 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.3													
4.4													
5.1													
5.2	70	$0,003 \times d_1$	80	$0,004 \times d_1$	90	$0,004 \times d_1$	100	$0,005 \times d_1$			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3	140	$0,006 \times d_1$	160	$0,007 \times d_1$	180	$0,008 \times d_1$	200	$0,010 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
S	1.1	70	$0,004 \times d_1$	80	$0,004 \times d_1$	90	$0,005 \times d_1$	100	$0,006 \times d_1$				<input checked="" type="checkbox"/>
	1.2	60	$0,003 \times d_1$	70	$0,004 \times d_1$	80	$0,004 \times d_1$	80	$0,005 \times d_1$				<input checked="" type="checkbox"/>
	1.3	40	$0,003 \times d_1$	50	$0,003 \times d_1$	50	$0,004 \times d_1$	60	$0,004 \times d_1$				<input checked="" type="checkbox"/>
	2.1	60	$0,002 \times d_1$	70	$0,002 \times d_1$	80	$0,003 \times d_1$	80	$0,003 \times d_1$				<input checked="" type="checkbox"/>
	2.2	20	$0,002 \times d_1$	20	$0,002 \times d_1$	25	$0,003 \times d_1$	30	$0,003 \times d_1$				<input checked="" type="checkbox"/>
	2.3	15	$0,002 \times d_1$	25	$0,002 \times d_1$	25	$0,003 \times d_1$	20	$0,003 \times d_1$				<input checked="" type="checkbox"/>
	2.4	20	$0,002 \times d_1$	25	$0,002 \times d_1$	35	$0,003 \times d_1$	30	$0,003 \times d_1$				<input checked="" type="checkbox"/>
2.5													
2.6													
H	1.1	80	$0,003 \times d_1$	90	$0,003 \times d_1$	100	$0,004 \times d_1$	110	$0,004 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	1.2	70	$0,003 \times d_1$	80	$0,003 \times d_1$	90	$0,004 \times d_1$	100	$0,004 \times d_1$	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	1.3												
	1.4												
	1.5												

■ = sehr gut geeignet · very suitable
□ = gut geeignet · suitable

