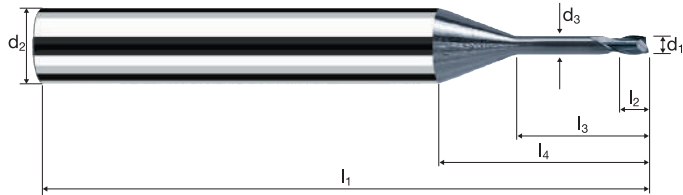


Cylindrical end mills MicroX

Shank \varnothing 6mm, cylindrical neck, 5xd



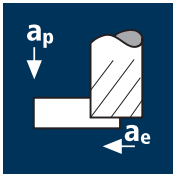
HM λ 25°
XA γ -10°



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	HRC > 60	Inox Stainless	Ti Titanium	Cobalt-Chrome Copper
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Ø Code	d ₁ 0/-0.01	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	45°	α	z	Ordering Information	
											Coating	Article-N°
Example: Order-N°.												
<div style="display: flex; justify-content: space-around; align-items: center;"> X 6504 010 </div>												
												X6504
010	0.10	6.00	0.09	57	0.06	0.50	17.48	-	14.5°	2		●
020	0.20	6.00	0.18	57	0.12	1.00	17.62	-	14.0°	2		●
030	0.30	6.00	0.25	57	0.18	1.50	17.74	-	13.5°	2		●
040	0.40	6.00	0.35	57	0.24	2.00	17.96	-	13.0°	2		●
050	0.50	6.00	0.45	57	0.30	2.50	13.01	-	12.5°	2		●
060	0.60	6.00	0.55	57	0.36	3.00	13.33	-	12.0°	2		●
080	0.80	6.00	0.75	57	0.48	4.00	13.95	-	11.0°	2		●
100	1.00	6.00	0.95	57	1.00	5.00	15.08	0.07	10.0°	2		●
108	1.20	6.00	1.10	57	1.20	6.00	15.80	0.07	9.5°	2		●
120	1.50	6.00	1.40	61	1.50	7.50	16.74	0.07	8.5°	2		●
140	2.00	6.00	1.90	61	2.00	10.00	18.31	0.10	7.0°	2		●
160	2.50	6.00	2.30	61	2.50	12.50	20.06	0.10	5.5°	2		●
180	3.00	6.00	2.80	66	3.00	15.00	21.63	0.10	4.5°	2		●

Application



Material

Hardened tool steel
42 - 48 HRC



Hardened tool steel
48 - 52 HRC



Hardened tool steel
52 - 56 HRC



Hardened tool steel
56 - 60 HRC



Hardened tool steel
42 - 48 HRC



Hardened tool steel
48 - 52 HRC



Hardened tool steel
52 - 56 HRC



Hardened tool steel
56 - 60 HRC



d1 [mm]	z	v _r [m/min]	f _s [mm]	a _p [mm]	a _e [mm]	n [min ⁻¹]	v _r [mm/min]	Q [mm ³ /min]
0.20	2	26	0.001	0.006	0.040	41380	105	0.0
0.40	2	53	0.003	0.013	0.080	42175	215	0.2
0.50	2	66	0.004	0.016	0.100	42015	320	0.5
0.80	2	106	0.005	0.026	0.160	42175	425	1.8
1.00	2	132	0.006	0.032	0.200	42015	530	3.4
1.50	2	140	0.010	0.048	0.300	29710	600	8.6
2.00	2	140	0.013	0.064	0.400	22280	560	14.4
2.50	2	140	0.016	0.080	0.500	17825	585	23.4
3.00	2	140	0.020	0.096	0.600	14855	600	34.5
0.20	2	26	0.001	0.006	0.040	41380	100	0.0
0.40	2	53	0.002	0.013	0.080	42175	200	0.2
0.50	2	66	0.004	0.016	0.100	42015	305	0.5
0.80	2	106	0.005	0.026	0.160	42175	405	1.7
1.00	2	120	0.006	0.032	0.200	38195	460	2.9
1.50	2	120	0.010	0.048	0.300	25465	490	7.0
2.00	2	120	0.012	0.064	0.400	19100	460	11.7
2.50	2	120	0.016	0.080	0.500	15280	475	19.1
3.00	2	120	0.019	0.096	0.600	12730	490	28.2
0.20	2	26	0.001	0.006	0.040	41380	85	0.0
0.40	2	53	0.002	0.013	0.080	42175	170	0.2
0.50	2	66	0.003	0.016	0.100	42015	250	0.4
0.80	2	100	0.004	0.026	0.160	39790	320	1.3
1.00	2	100	0.005	0.032	0.200	31830	320	2.0
1.50	2	100	0.008	0.048	0.300	21220	340	4.9
2.00	2	100	0.010	0.064	0.400	15915	320	8.1
2.50	2	100	0.013	0.080	0.500	12730	330	13.2
3.00	2	100	0.016	0.096	0.600	10610	340	19.6
0.20	2	26	0.001	0.006	0.040	41380	75	0.0
0.40	2	53	0.002	0.013	0.080	42175	150	0.2
0.50	2	60	0.003	0.016	0.100	38195	205	0.3
0.80	2	60	0.004	0.026	0.160	23875	170	0.7
1.00	2	60	0.004	0.032	0.200	19100	170	1.1
1.50	2	60	0.007	0.048	0.300	12730	185	2.6
2.00	2	60	0.009	0.064	0.400	9550	170	4.4
2.50	2	60	0.012	0.080	0.500	7640	180	7.2
3.00	2	60	0.014	0.096	0.600	6365	185	10.6
0.20	2	26	0.001	0.003	0.200	41380	90	0.1
0.40	2	53	0.002	0.005	0.400	42175	185	0.4
0.50	2	66	0.003	0.006	0.500	42015	275	0.8
0.80	2	106	0.004	0.010	0.800	42175	370	3.0
1.00	2	120	0.005	0.013	1.000	38195	420	5.5
1.50	2	120	0.009	0.019	1.500	25465	450	12.8
2.00	2	120	0.011	0.025	2.000	19100	420	21.0
2.50	2	120	0.014	0.031	2.500	15280	435	33.9
3.00	2	120	0.016	0.038	3.000	12730	420	47.9
0.20	2	26	0.001	0.003	0.200	41380	90	0.1
0.40	2	53	0.002	0.005	0.400	42175	185	0.4
0.50	2	66	0.003	0.006	0.500	42015	275	0.8
0.80	2	100	0.004	0.010	0.800	39790	350	2.8
1.00	2	100	0.005	0.013	1.000	31830	350	4.6
1.50	2	100	0.009	0.019	1.500	21220	375	10.6
2.00	2	100	0.011	0.025	2.000	15915	350	17.5
2.50	2	100	0.014	0.031	2.500	12730	365	28.2
3.00	2	100	0.016	0.038	3.000	10610	350	39.9
0.20	2	26	0.001	0.003	0.200	41380	85	0.0
0.40	2	53	0.002	0.005	0.400	42175	170	0.3
0.50	2	66	0.003	0.006	0.500	42015	250	0.8
0.80	2	80	0.004	0.010	0.800	31830	255	2.0
1.00	2	80	0.005	0.013	1.000	25465	255	3.3
1.50	2	80	0.008	0.019	1.500	16975	270	7.7
2.00	2	80	0.010	0.025	2.000	12730	255	12.7
2.50	2	80	0.013	0.031	2.500	10185	265	20.5
3.00	2	80	0.015	0.038	3.000	8490	255	29.0
0.20	2	26	0.001	0.003	0.200	41380	75	0.0
0.40	2	40	0.002	0.005	0.400	31830	115	0.2
0.50	2	40	0.003	0.006	0.500	25465	140	0.4
0.80	2	40	0.004	0.010	0.800	15915	115	0.9
1.00	2	40	0.004	0.013	1.000	12730	115	1.5
1.50	2	40	0.007	0.019	1.500	8490	120	3.5
2.00	2	40	0.009	0.025	2.000	6365	115	5.7
2.50	2	40	0.012	0.031	2.500	5095	120	9.2
3.00	2	40	0.014	0.038	3.000	4245	115	13.1