

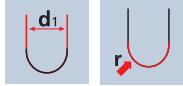
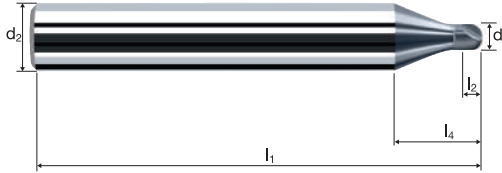
Ball nose end mills Microcut

Shank \varnothing 4mm, 1xd



HM	λ	0°
XA	γ	0°

new!



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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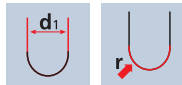
Example: Order-N°										X-AL	
										X6832	
\varnothing Code	d_1	d_2 h4	l_1	l_2	l_4	r ± 0.005	α	z	Coating Article-N° \varnothing -Code		
020	0.20	4.00	50	0.12	11.41	0.100	9.7°	2	X	6832	020
030	0.30	4.00	50	0.18	11.23	0.150	9.6°	2			
040	0.40	4.00	50	0.24	11.05	0.200	9.5°	2			
050	0.50	4.00	50	0.30	7.69	0.250	13.0°	2			
060	0.60	4.00	50	0.36	7.60	0.300	12.8°	2			
080	0.80	4.00	50	0.48	7.43	0.400	12.4°	2			
100	1.00	4.00	50	0.60	7.26	0.500	11.9°	2			
120	1.50	4.00	50	0.90	6.82	0.750	10.6°	2			
140	2.00	4.00	50	1.20	6.39	1.000	9.1°	2			

Ball nose end mills Microcut

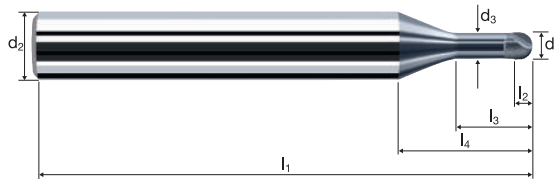
Shank \varnothing 4mm, cylindrical neck, 3xd



HM λ **0°**
XA γ **0°**



new!



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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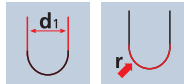
Example: Order-N°		Coating X	Article-N° 6836	\varnothing -Code 020								X-AL
\varnothing Code	d ₁	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	r ± 0.005	α	z		X6836
020	0.20	4.00	0.18	50	0.12	0.60	11.55	0.100	9.5°	2	●	
030	0.30	4.00	0.25	50	0.18	0.90	11.47	0.150	9.4°	2	●	
040	0.40	4.00	0.35	50	0.24	1.20	11.49	0.200	9.1°	2	●	
050	0.50	4.00	0.45	50	0.30	1.50	8.28	0.250	12.1°	2	●	
060	0.60	4.00	0.55	50	0.36	1.80	8.40	0.300	11.6°	2	●	
080	0.80	4.00	0.75	50	0.48	2.40	8.62	0.400	10.7°	2	●	
100	1.00	4.00	0.95	50	0.60	3.00	8.85	0.500	9.8°	2	●	
108	1.20	4.00	1.10	50	0.72	3.60	8.96	0.600	9.1°	2	●	
120	1.50	4.00	1.40	50	0.90	4.50	9.30	0.750	7.9°	2	●	
140	2.00	4.00	1.90	50	1.20	6.00	9.87	1.000	6.0°	2	●	
160	2.50	4.00	2.30	50	1.50	7.50	10.34	1.250	4.3°	2	●	
180	3.00	4.00	2.80	50	1.80	9.00	10.91	1.500	2.8°	2	●	

Ball nose end mills Microcut

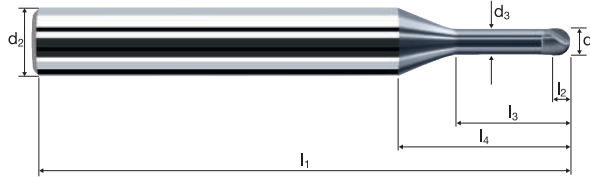
Shank \varnothing 4mm, cylindrical neck, 5xd



HM	λ	0°
XA	γ	0°



new!



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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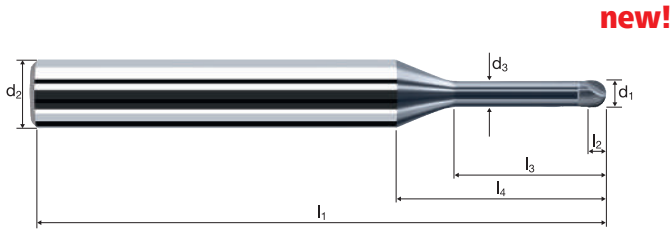
Example: Order-N°											X-AL
Coating Article-N° ø-Code											X6840
Ø Code	d ₁	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	r ±0.005	α	z	
020	0.20	4.00	0.18	50	0.12	1.00	11.95	0.100	9.2°	2	●
030	0.30	4.00	0.25	50	0.18	1.50	12.07	0.150	8.9°	2	●
040	0.40	4.00	0.35	50	0.24	2.00	12.29	0.200	8.5°	2	●
050	0.50	4.00	0.45	50	0.30	2.50	9.28	0.250	10.9°	2	●
060	0.60	4.00	0.55	50	0.36	3.00	9.60	0.300	10.2°	2	●
080	0.80	4.00	0.75	50	0.48	4.00	10.22	0.400	9.1°	2	●
100	1.00	4.00	0.95	50	0.60	5.00	10.85	0.500	8.1°	2	●
108	1.20	4.00	1.10	50	0.72	6.00	11.36	0.600	7.2°	2	●
120	1.50	4.00	1.40	50	0.90	7.50	12.30	0.750	6.0°	2	●
140	2.00	4.00	1.90	50	1.20	10.00	13.87	1.000	4.3°	2	●
160	2.50	4.00	2.30	50	1.50	12.50	15.34	1.250	3.0°	2	●
180	3.00	4.00	2.80	50	1.80	15.00	16.91	1.500	1.9°	2	●

Ball nose end mills Microcut

Shank \varnothing 4mm, cylindrical neck, 8xd



HM XA	λ 0° γ 0°



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60		Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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\varnothing Code	d_1	d_2 h4	d_3	l_1	l_2	l_3	l_4	r ± 0.005	α	z	Example: Order-N°		X-AL	
											Coating X	Article-N° 6844	\varnothing -Code 050	X6844
050	0.50	4.00	0.45	50	0.30	4.00	10.78	0.250	9.4°	2			●	
060	0.60	4.00	0.55	50	0.36	4.80	11.40	0.300	8.7°	2			●	
080	0.80	4.00	0.75	50	0.48	6.40	12.62	0.400	7.4°	2			●	
100	1.00	4.00	0.95	50	0.60	8.00	13.85	0.500	6.4°	2			●	
108	1.20	4.00	1.10	50	0.72	9.60	14.96	0.600	5.5°	2			●	
120	1.50	4.00	1.40	50	0.90	12.00	16.80	0.750	4.5°	2			●	
140	2.00	4.00	1.90	50	1.20	16.00	19.87	1.000	3.1°	2			●	
160	2.50	4.00	2.30	57	1.50	20.00	22.84	1.250	2.1°	2			●	
180	3.00	4.00	2.80	57	1.80	24.00	25.91	1.500	1.3°	2			●	

Ball nose end mills Microcut

Shank \varnothing 4mm, cylindrical neck, 10xd



HM
XA

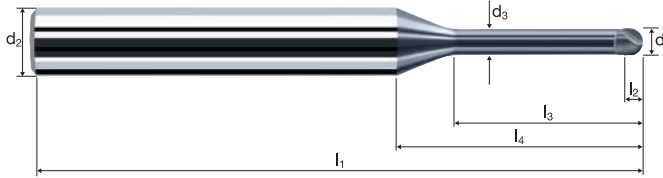
λ 0°
 γ 0°

h4

d₁

r

new!



Rm < 850 Rm 850-1100 Rm 1100-1300 Rm 1300-1500 HRC 48-56 HRC 56-60 Inox Stainless Ti Titanium Cobalt-Chrome Gold / Platinum Copper

Example: Order-N°		Coating X	Article-N° 6846	\varnothing -Code 050								X-AL
\varnothing Code	d ₁	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	r ± 0.005	α	z		X6846
050	0.50	4.00	0.45	50	0.30	5.00	11.78	0.250	8.6°	2		●
060	0.60	4.00	0.55	50	0.36	6.00	12.60	0.300	7.9°	2		●
080	0.80	4.00	0.75	50	0.48	8.00	14.22	0.400	6.6°	2		●
100	1.00	4.00	0.95	50	0.60	10.00	15.85	0.500	5.6°	2		●
120	1.50	4.00	1.40	50	0.90	15.00	19.80	0.750	3.8°	2		●
140	2.00	4.00	1.90	57	1.20	20.00	23.87	1.000	2.6°	2		●
160	2.50	4.00	2.30	57	1.50	25.00	27.84	1.250	1.7°	2		●
180	3.00	4.00	2.80	61	1.80	30.00	31.91	1.500	1.1°	2		●

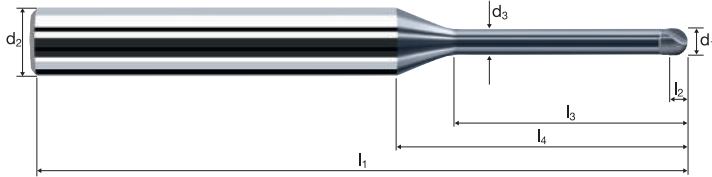
Ball nose end mills Microcut

Shank \varnothing 4mm, cylindrical neck, 12xd



HM XA	λ γ	0° 0°

new!



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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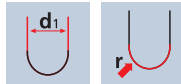
Example: Order-N°	Coating		Article-N°		ø-Code						X-AL	
	X	6847	100									X6847
Ø Code	d ₁	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	r ±0.005	α	z		
100	1.00	4.00	0.95	50	0.60	12.00	17.85	0.500	5.0°	2	●	
120	1.50	4.00	1.40	57	0.90	18.00	22.80	0.750	3.3°	2	●	
140	2.00	4.00	1.90	57	1.20	24.00	27.87	1.000	2.3°	2	●	
180	3.00	4.00	2.80	75	1.80	36.00	37.91	1.500	1.0°	2	●	

Ball nose end mills Microcut

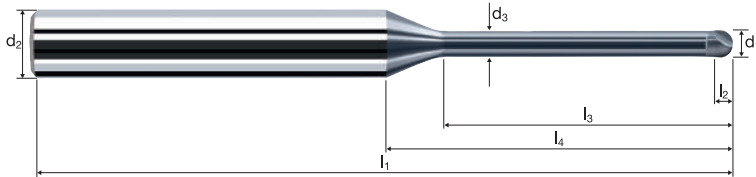
Shank \varnothing 4mm, cylindrical neck, 15xd



HM λ 0°
XA γ 0°



new!



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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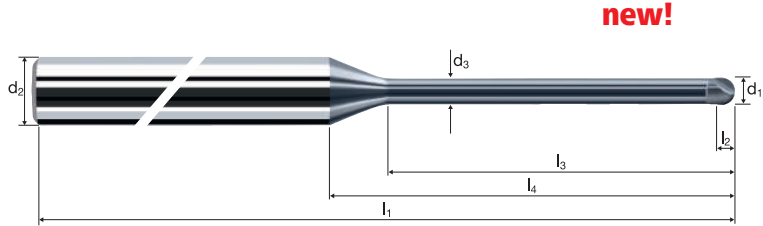
											X-AL
Example: Order-N°		Coating X	Article-N° 6848	ø-Code 100							X6848
Ø Code	d ₁	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	r ±0.005	α	z	
100	1.00	4.00	0.95	50	0.60	15.00	20.85	0.500	4.3°	2	●
120	1.50	4.00	1.40	57	0.90	22.50	27.30	0.750	2.8°	2	●
140	2.00	4.00	1.90	61	1.20	30.00	33.87	1.000	1.9°	2	●
180	3.00	4.00	2.80	75	1.80	45.00	46.91	1.500	0.8°	2	●

Ball nose end mills Microcut

Shank \varnothing 4mm, cylindrical neck, 20xd



HM XA	λ γ	0° 0°



Rm < 850	Rm 850-1100	Rm 1100-1300	Rm 1300-1500	HRC 48-56	HRC 56-60	Inox Stainless	Ti Titanium	Cobalt-Chrome Gold / Platinum Copper
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Example: Order-N°											X-AL
Coating Article-N° \varnothing -Code											
X 6849 100											X6849
\varnothing Code	d ₁	d ₂ h4	d ₃	l ₁	l ₂	l ₃	l ₄	r ± 0.005	α	z	
100	1.00	4.00	0.95	57	0.60	20.00	25.85	0.500	3.5°	2	●
120	1.50	4.00	1.40	66	0.90	30.00	34.80	0.750	2.3°	2	●
140	2.00	4.00	1.90	75	1.20	40.00	43.87	1.000	1.5°	2	●
180	3.00	4.00	2.80	100	1.80	60.00	61.91	1.500	0.7°	2	●