

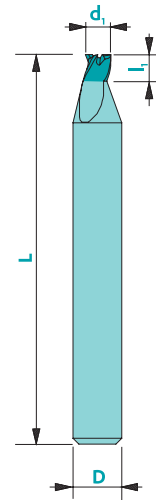
End mill Z3 $l_1=1xd_1$

1510

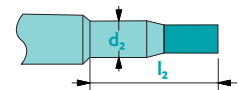
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	100	130	□	■	Tisi (BQ)
Steel > 700 N/mm ²	80	100	-	■	Tisi (BQ)
Stainless steel	50	70	□	■	Tisi (BQ)
Cast iron	60	100	□	■	Tisi (BQ)
Copper	130	160	□	■	Solo (DA)
Brass - Bronze	140	190	■	□	Solo (DA)
Aluminium	200	350	□	■	Solo (DA)
Gold - Silver	140	180	■	■	Solo (DA)
Platinum - Palladium	-	35	-	□	Solo (DA)
Superalloys	-	40	-	■	Trio (PO)
Titanium	40	60	■	■	RICO (ZB)

not adapted - adapted □ highly adapted ■

Tolerances $d_1 \leq 1 \text{ mm}$ ▶ 0/-0.01 $D: h5$
 $d_1 > 1 \text{ mm}$ ▶ 0/-0.02
 $d_1 = D$ ▶ $d_1: e8$



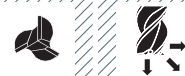
Upon request



Art. n°	d_1	l_1	D	L			Art. n°	d_1	l_1	D	L		
					Uncoat.	Trio*						Uncoat.	Trio*
1510d0.30	0.30	0.30	3	38	▲	▲	1510d1.85	1.85	1.85	3	38	▲	▲
1510d0.35	0.35	0.35	3	38	▲	▲	1510d1.90	1.90	1.90	3	38	▲	▲
1510d0.40	0.40	0.40	3	38	▲	▲	1510d1.95	1.95	1.95	3	38	▲	▲
1510d0.45	0.45	0.45	3	38	▲	▲	1510d2.00	2.00	2.00	3	38	▲	▲
1510d0.50	0.50	0.50	3	38	▲	▲	1510d2.05	2.05	2.05	3	38	▲	▲
1510d0.55	0.55	0.55	3	38	▲	▲	1510d2.10	2.10	2.10	3	38	▲	▲
1510d0.60	0.60	0.60	3	38	▲	▲	1510d2.15	2.15	2.15	3	38	▲	▲
1510d0.65	0.65	0.65	3	38	▲	▲	1510d2.20	2.20	2.20	3	38	▲	▲
1510d0.70	0.70	0.70	3	38	▲	▲	1510d2.25	2.25	2.25	3	38	▲	▲
1510d0.75	0.75	0.75	3	38	▲	▲	1510d2.30	2.30	2.30	3	38	▲	▲
1510d0.80	0.80	0.80	3	38	▲	▲	1510d2.35	2.35	2.35	3	38	▲	▲
1510d0.85	0.85	0.85	3	38	▲	▲	1510d2.40	2.40	2.40	3	38	▲	▲
1510d0.90	0.90	0.90	3	38	▲	▲	1510d2.45	2.45	2.45	3	38	▲	▲
1510d0.95	0.95	0.95	3	38	▲	▲	1510d2.50	2.50	2.50	3	38	▲	▲
1510d1.00	1.00	1.00	3	38	▲	▲	1510d2.55	2.55	2.55	3	38	▲	▲
1510d1.05	1.05	1.05	3	38	▲	▲	1510d2.60	2.60	2.60	3	38	▲	▲
1510d1.10	1.10	1.10	3	38	▲	▲	1510d2.65	2.65	2.65	3	38	▲	▲
1510d1.15	1.15	1.15	3	38	▲	▲	1510d2.70	2.70	2.70	3	38	▲	▲
1510d1.20	1.20	1.20	3	38	▲	▲	1510d2.75	2.75	2.75	3	38	▲	▲
1510d1.25	1.25	1.25	3	38	▲	▲	1510d2.80	2.80	2.80	3	38	▲	▲
1510d1.30	1.30	1.30	3	38	▲	▲	1510d2.85	2.85	2.85	3	38	▲	▲
1510d1.35	1.35	1.35	3	38	▲	▲	1510d2.90	2.90	2.90	3	38	▲	▲
1510d1.40	1.40	1.40	3	38	▲	▲	1510d2.95	2.95	2.95	3	38	▲	▲
1510d1.45	1.45	1.45	3	38	▲	▲	1510d3.00	3.00	3.00	6	51	▲	▲
1510d1.50	1.50	1.50	3	38	▲	▲	1510d3.10	3.10	3.10	6	51	▲	▲
1510d1.55	1.55	1.55	3	38	▲	▲	1510d3.20	3.20	3.20	6	51	▲	▲
1510d1.60	1.60	1.60	3	38	▲	▲	1510d3.30	3.30	3.30	6	51	▲	▲
1510d1.65	1.65	1.65	3	38	▲	▲	1510d3.40	3.40	3.40	6	51	▲	▲
1510d1.70	1.70	1.70	3	38	▲	▲	1510d3.50	3.50	3.50	6	51	▲	▲
1510d1.75	1.75	1.75	3	38	▲	▲	1510d3.60	3.60	3.60	6	51	▲	▲
1510d1.80	1.80	1.80	3	38	▲	▲	1510d3.70	3.70	3.70	6	51	▲	▲

Available uncoated or coated (see page 308)

Z3



λ 30° γ 8-10°

CARB



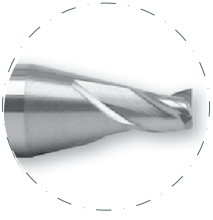
$ap=0.25xd_1$ $ae=0.5xd_1$
 $ap=0.5xd_1$

* Prices for other coatings: contact us!
 To order a coated tool, add the 2-letter coating code to the article number

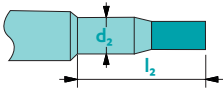


1510

Continuation

End mill Z3 $l_1=1xd_1$ 

Upon request

Available
uncoated or coated
(see page 308)**Z3** λ
30° γ
8-10°**CARB** $ap=0.25xd_1$  $ae=0.5xd_1$
 $ap=0.5xd_1$

Art. n°	d_1	l_1	D	L		
					Uncoat.	Trio*
1510d3.80	3.80	3.80	6	51	▲	▲
1510d3.90	3.90	3.90	6	51	▲	▲
1510d4.00	4.00	4.00	6	51	▲	▲
1510d4.10	4.10	4.10	6	51	▲	▲
1510d4.20	4.20	4.20	6	51	▲	▲
1510d4.30	4.30	4.30	6	51	▲	▲
1510d4.40	4.40	4.40	6	51	▲	▲
1510d4.50	4.50	4.50	6	51	▲	▲
1510d4.60	4.60	4.60	6	51	▲	▲
1510d4.70	4.70	4.70	6	51	▲	▲
1510d4.80	4.80	4.80	6	51	▲	▲
1510d4.90	4.90	4.90	6	51	▲	▲
1510d5.00	5.00	5.00	6	51	▲	▲
1510d5.10	5.10	5.10	6	51	▲	▲
1510d5.20	5.20	5.20	6	51	▲	▲
1510d5.30	5.30	5.30	6	51	▲	▲
1510d5.40	5.40	5.40	6	51	▲	▲
1510d5.50	5.50	5.50	6	51	▲	▲
1510d5.60	5.60	5.60	6	51	▲	▲
1510d5.70	5.70	5.70	6	51	▲	▲
1510d5.80	5.80	5.80	6	51	▲	▲
1510d5.90	5.90	5.90	6	51	▲	▲
1510d6.00	6.00	6.00	6	51	▲	▲
1510d6.50	6.50	6.50	8	61	▲	▲
1510d7.00	7.00	7.00	8	61	▲	▲
1510d7.50	7.50	7.50	8	61	▲	▲
1510d8.00	8.00	8.00	8	61	▲	▲
1510d8.50	8.50	8.50	10	72	▲	▲
1510d9.00	9.00	9.00	10	72	▲	▲
1510d9.50	9.50	9.50	10	72	▲	▲
1510d10.00	10.00	10.00	10	72	▲	▲
1510d11.00	11.00	11.00	11	83	▲	▲
1510d12.00	12.00	12.00	12	83	▲	▲
1510d13.00	13.00	13.00	13	83	▲	▲
1510d14.00	14.00	14.00	14	83	▲	▲
1510d15.00	15.00	15.00	15	83	▲	▲
1510d16.00	16.00	16.00	16	92	▲	▲

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