

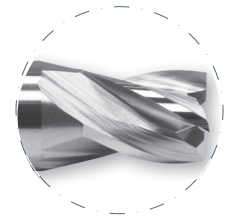
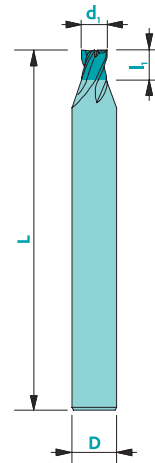
Short end mill Z4

110-1

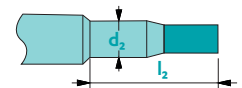
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	100	130	□	■	Tisi (BQ)
Steel > 700 N/mm ²	80	100	-	■	Tisi (BQ)
Stainless steel	50	70	□	■	Tisi (BQ)
Cast iron	60	100	□	■	Tisi (BQ)
Copper	130	160	□	■	Solo (DA)
Brass - Bronze	140	190	■	□	Solo (DA)
Aluminium	200	350	□	■	Solo (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 $d_1 < D$ ▶ $d_1: 0/-0.02$ $D: h5$
 $d_1 = D$ ▶ $d_1: e8$



Upon request



Art. n°	d ₁	l ₁	D	L		
					Uncoat.	Trio*
110-1d2.00	2.0	3	6	51	▲	▲
110-1d2.50	2.5	3	6	51	▲	▲
110-1d3.00	3.0	4	6	51	▲	▲
110-1d3.50	3.5	4	6	51	▲	▲
110-1d4.00	4.0	5	6	51	▲	▲
110-1d4.50	4.5	5	6	51	▲	▲
110-1d5.00	5.0	6	6	51	▲	▲
110-1d5.50	5.5	7	6	51	▲	▲
110-1d6.00	6.0	7	6	51	▲	▲
110-1d7.00	7.0	8	8	61	▲	▲
110-1d8.00	8.0	9	8	61	▲	▲
110-1d9.00	9.0	10	10	72	▲	▲
110-1d10.00	10.0	11	10	72	▲	▲
110-1d12.00	12.0	12	12	83	▲	▲
110-1d14.00	14.0	14	14	83	▲	▲
110-1d16.00	16.0	16	16	92	▲	▲
110-1d18.00	18.0	18	18	92	▲	▲
110-1d20.00	20.0	20	20	104	▲	▲

Available uncoated or coated (see page 308)

Z4



λ 30° γ 8-10°

CARB



ae=0.5xd₁
ap=0.5xd₁

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