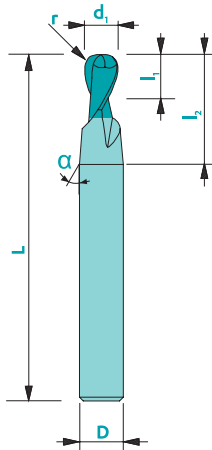
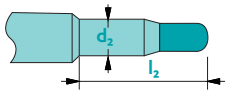


3320

End mill for structural steel with ball end



Upon request



Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm ²	140	200	□	■	Tisi (BQ)
Steel > 700 N/mm ²	120	190	□	■	Tisi (BQ)
Stainless steel	-	-	-	-	-
Cast iron	50	170	□	■	Tisi (BQ)
Copper	-	-	-	-	-
Brass - Bronze	-	-	-	-	-
Aluminium	-	-	-	-	-
Gold - Silver	-	-	-	-	-
Platinum - Palladium	-	-	-	-	-
Superalloys	-	-	-	-	-
Titanium	-	-	-	-	-

not adapted - adapted □ highly adapted ■

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

Available uncoated or coated (see page 308)



Z2



λ
30°

γ
5°

CARB



$ae = 0.3d_1$
 $ap = 0.1d_1$

Art. n°	d_1	l_1	l_2	D	L	r	α	Coating	
								Uncoat.	Trio*
3320d1.00	1.0	1.5	6.0	6	57	0.50	13°	▲	▲
3320d1.50	1.5	2.2	6.0	6	57	0.75	13°	▲	▲
3320d2.00	2.0	3.0	6.5	6	57	1.00	13°	▲	▲
3320d2.50	2.5	3.7	6.5	6	57	1.25	13°	▲	▲
3320d3.00	3.0	4.5	7.0	6	57	1.50	13°	▲	▲
3320d3.50	3.5	5.2	10.5	6	57	1.75	13°	▲	▲
3320d4.00	4.0	6.0	10.5	6	57	2.00	13°	▲	▲
3320d4.50	4.5	6.7	14.0	6	57	2.25	13°	▲	▲
3320d5.00	5.0	7.5	14.0	6	57	2.50	13°	▲	▲
3320d6.00	6.0	9.0	20.0	8	63	3.00	5°	▲	▲
3320d8.00	8.0	12.0	-	8	63	4.00	-	▲	▲
3320d10.00	10.0	15.0	-	10	72	5.00	-	▲	▲
3320d12.00	12.0	18.0	-	12	83	6.00	-	▲	▲

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