Microfrese semisferiche con gambo rinforzato serie corta, lunga ed extra lunga

Ball nose micro end mills with reinforced shank short, long and extra long series

Applicazioni / Application — Adatte a fresare materiali di medie/alte resistenze, per la realizzazione di cave e scanalature profonde, accoppiamenti precisi, fresatura frontale e tangenziale. Elevato rendimento, silenziosità di passata, eccellente finitura superficiale.

Materiale / Material — Metallo duro grana ultrafine ISO K10-K20

Norma / Norm — Standard **Utensili Services**

Rivestimento / Coating — HYPERCUT

Acciai	Acciai INOX	Ghise	Grafite	L.Leggere	Non ferrosi	Titanio	HRSA	HRC < 54	HRC > 54
●	○	●	○	○	○	●	●	●	●
ISO-P	ISO-M	ISO-K	Graphite	L.Alloys	Non-ferrous	Titanium	ISO-S	HRC < 54	ISO-H

Solid	DIN 6535	DIN 6535	Profilo	Elica	Semisferica
M.D. Carbide	HA	HB	N Profile	30° Helix	Ball nose



Cod. 153



Sgrossatura | Finitura | z2

Cod. 154

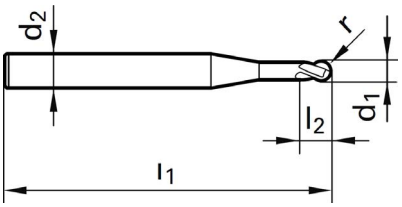


Sgrossatura | Finitura | z3

Cod. 155



Sgrossatura | Finitura | z4



153	154	155	d_1h_{10}	d_2h_6	l_1	l_2	r
153.1000	154.1000	155.1000	1,0	6	50	1,5	0,5
153.1500	154.1500	155.1500	1,5	6	50	2	0,75
153.2000	154.2000	155.2000	2,0	6	50	4	1
153.2500	154.2500	155.2500	2,5	6	50	4	1,25
153.3000	154.3000	155.3000	3,0	6	50	5	1,50
153.3500	154.3500	155.3500	3,5	6	50	5	1,75
153.4000	154.4000	155.4000	4,0	6	54	6	2
153.4500	154.4500	155.4500	4,5	6	54	6	2,25
153.5000	154.5000	155.5000	5,0	6	54	7	2,5
153.5500	154.5500	155.5500	5,5	6	54	9	2,75

Corta / Short

153L	154L	155L	d_1h_{10}	d_2h_6	l_1	l_2	r
153.1000L	154.1000L	155.1000L	1,0	6	50	3	0,5
153.1500L	154.1500L	155.1500L	1,5	6	50	4	0,75
153.2000L	154.2000L	155.2000L	2,0	6	50	6	1
153.2500L	154.2500L	155.2500L	2,5	6	50	6	1,25
153.3000L	154.3000L	155.3000L	3,0	6	50	8	1,5
153.3500L	154.3500L	155.3500L	3,5	6	50	8	1,75
153.4000L	154.4000L	155.4000L	4,0	6	54	11	2
153.4500L	154.4500L	155.4500L	4,5	6	54	11	2,25
153.5000L	154.5000L	155.5000L	5,0	6	54	13	2,5
153.5500L	154.5500L	155.5500L	5,5	6	54	13	2,75

Lunga / Long

153XL	154XL	155XL	d_1h_{10}	d_2h_6	l_1	l_2	r
153.1000XL	154.1000XL	155.1000XL	1,0	6	50	5	0,5
153.1500XL	154.1500XL	155.1500XL	1,5	6	50	7	0,75
153.2000XL	154.2000XL	155.2000XL	2,0	6	54	9	1
153.2500XL	154.2500XL	155.2500XL	2,5	6	54	10	1,25
153.3000XL	154.3000XL	155.3000XL	3,0	6	57	12	1,5
153.3500XL	154.3500XL	155.3500XL	3,5	6	57	14	1,75
153.4000XL	154.4000XL	155.4000XL	4,0	6	57	16	2
153.4500XL	154.4500XL	155.4500XL	4,5	6	57	18	2,25
153.5000XL	154.5000XL	155.5000XL	5,0	6	57	20	2,5
153.5500XL	154.5500XL	155.5500XL	5,5	6	57	22	2,75

Extra lunga / Extra long