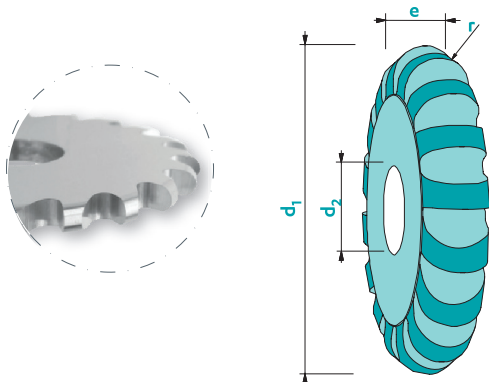


Fresa circolare con raggio convesso



Materiale	Vc non rivestito	Vc rivestito	Senza rivestimento	Rivestito	Rivestimento consigliato*
Acciaio < 700 N/mm ²	64	96	□	■	Tisi (BQ)
Acciaio > 700 N/mm ²	48	80	□	■	Tisi (BQ)
Acciaio inox	48	80	□	■	Tisi (BQ)
Ghisa	40	72	□	■	Tisi (BQ)
Rame	160	240	□	■	Solo (DA)
Ottone - Bronzo	160	240	■	□	Solo (DA)
Alluminio	200	320	□	■	Solo (DA)
Oro - argento	120	240	□	■	Solo (DA)
Platino - Palladio	-	-	-	-	-
Superleghe	16	32	□	■	Trio (PO)
Titanio	32	48	■	■	Rico (ZB)

non adatto - adatto □ molto adatto ■

Tolleranze e: +/-0.01
d₂: H5

Disponibile con o senza rivestimento (vedi pagina 308)



Z
15-50

λ
0°

CARB

Art. n°	d ₁	e	d ₂	r	Z	Senza r.	Trio*	Art. n°	d ₁	e	d ₂	r	Z	Senza r.	Trio*
232d10r0.10Z##	10	0.2	3	0.10	15	▲	▲	232d20r0.80Z##	20	1.6	5	0.80	16-20	▲	▲
232d10r0.25Z##	10	0.5	3	0.25	15	▲	▲	232d20r0.85Z##	20	1.7	5	0.85	16-20	▲	▲
232d10r0.50Z##	10	1.0	3	0.50	15	▲	▲	232d20r0.90Z##	20	1.8	5	0.90	16-20	▲	▲
232d10r0.75Z##	10	1.5	3	0.75	15	▲	▲	232d20r0.95Z##	20	1.9	5	0.95	16-20	▲	▲
232d10r1.00Z##	10	2.0	3	1.00	8	▲	▲	232d20r1.00Z##	20	2.0	5	1.00	16-20	▲	▲
232d10r1.50Z##	10	3.0	3	1.50	8	▲	▲	232d20r1.05Z##	20	2.1	5	1.05	16	▲	▲
232d10r2.00Z##	10	4.0	3	2.00	8	▲	▲	232d20r1.10Z##	20	2.2	5	1.10	16	▲	▲
232d15r0.10Z##	15	0.2	5	0.10	20	▲	▲	232d20r1.15Z##	20	2.3	5	1.15	16	▲	▲
232d15r0.25Z##	15	0.5	5	0.25	20	▲	▲	232d20r1.20Z##	20	2.4	5	1.20	16	▲	▲
232d15r0.50Z##	15	1.0	5	0.50	20	▲	▲	232d20r1.25Z##	20	2.5	5	1.25	16	▲	▲
232d15r0.75Z##	15	1.5	5	0.75	12	▲	▲	232d20r1.30Z##	20	2.6	5	1.30	16	▲	▲
232d15r1.00Z##	15	2.0	5	1.00	12-16	▲	▲	232d20r1.35Z##	20	2.7	5	1.35	16	▲	▲
232d15r1.50Z##	15	3.0	5	1.50	10	▲	▲	232d20r1.40Z##	20	2.8	5	1.40	16	▲	▲
232d15r1.75Z##	15	3.5	5	1.75	10	▲	▲	232d20r1.45Z##	20	2.9	5	1.45	16	▲	▲
232d15r2.00Z##	15	4.0	5	2.00	10	▲	▲	232d20r1.50Z##	20	3.0	5	1.50	16	▲	▲
232d15r2.50Z##	15	5.0	5	2.50	10	▲	▲	232d20r1.75Z##	20	3.5	5	1.75	16	▲	▲
232d20r0.10Z##	20	0.2	5	0.10	20-24	▲	▲	232d20r2.00Z##	20	4.0	5	2.00	16	▲	▲
232d20r0.15Z##	20	0.3	5	0.15	20-24	▲	▲	232d20r2.25Z##	20	4.5	5	2.25	16	▲	▲
232d20r0.20Z##	20	0.4	5	0.20	20-24	▲	▲	232d20r2.50Z##	20	5.0	5	2.50	12-16	▲	▲
232d20r0.25Z##	20	0.5	5	0.25	18-20	▲	▲	232d20r3.00Z##	20	6.0	5	3.00	12-16	▲	▲
232d20r0.30Z##	20	0.6	5	0.30	18-20	▲	▲	232d25r0.10Z##	25	0.2	8	0.10	30	▲	▲
232d20r0.35Z##	20	0.7	5	0.35	18-20	▲	▲	232d25r0.15Z##	25	0.3	8	0.15	30	▲	▲
232d20r0.40Z##	20	0.8	5	0.40	18-20	▲	▲	232d25r0.20Z##	25	0.4	8	0.20	30	▲	▲
232d20r0.45Z##	20	0.9	5	0.45	18-20	▲	▲	232d25r0.25Z##	25	0.5	8	0.25	20-30	▲	▲
232d20r0.50Z##	20	1.0	5	0.50	20-24	▲	▲	232d25r0.30Z##	25	0.6	8	0.30	20-30	▲	▲
232d20r0.55Z##	20	1.1	5	0.55	20-24	▲	▲	232d25r0.35Z##	25	0.7	8	0.35	20-30	▲	▲
232d20r0.60Z##	20	1.2	5	0.60	16-20	▲	▲	232d25r0.40Z##	25	0.8	8	0.40	20-30	▲	▲
232d20r0.65Z##	20	1.3	5	0.65	16-20	▲	▲	232d25r0.45Z##	25	0.9	8	0.45	20-30	▲	▲
232d20r0.70Z##	20	1.4	5	0.70	16-20	▲	▲	232d25r0.50Z##	25	1.0	8	0.50	20-30	▲	▲
232d20r0.75Z##	20	1.5	5	0.75	16-20	▲	▲	232d25r0.55Z##	25	1.1	8	0.55	20-30	▲	▲

* Prezzi per altri rivestimenti: contattateci!

Per ordinare un utensile rivestito, aggiungere il codice di rivestimento di 2 lettere al numero di articolo.



Fresa circolare con raggio convesso

232

Continua

Art. n°	d ₁	e	d ₂	r	Z	Senza r.	Trio*	Art. n°	d ₁	e	d ₂	r	Z	Senza r.	Trio*
232d25r0.60Z##	25	1.2	8	0.60	20-30	▲	▲	232d30r1.45Z##	30	2.9	8	1.45	20-24	▲	▲
232d25r0.65Z##	25	1.3	8	0.65	20-30	▲	▲	232d30r1.50Z##	30	3.0	8	1.50	15-20	▲	▲
232d25r0.70Z##	25	1.4	8	0.70	20-30	▲	▲	232d30r1.75Z##	30	3.5	8	1.75	15-20	▲	▲
232d25r0.75Z##	25	1.5	8	0.75	16-20	▲	▲	232d30r2.00Z##	30	4.0	8	2.00	15-20	▲	▲
232d25r0.80Z##	25	1.6	8	0.80	16-20	▲	▲	232d30r2.25Z##	30	4.5	8	2.25	15-20	▲	▲
232d25r0.85Z##	25	1.7	8	0.85	16-20	▲	▲	232d30r2.50Z##	30	5.0	8	2.50	15-20	▲	▲
232d25r0.90Z##	25	1.8	8	0.90	16-20	▲	▲	232d30r3.00Z##	30	6.0	8	3.00	15-20	▲	▲
232d25r0.95Z##	25	1.9	8	0.95	16-20	▲	▲	232d30r3.05Z##	30	6.1	8	3.05	15-20	▲	▲
232d25r1.00Z##	25	2.0	8	1.00	20-24	▲	▲	232d40r0.10Z##	40	0.2	10	0.10	40	▲	▲
232d25r1.05Z##	25	2.1	8	1.05	20-24	▲	▲	232d40r0.25Z##	40	0.5	10	0.25	40	▲	▲
232d25r1.10Z##	25	2.2	8	1.10	20-24	▲	▲	232d40r0.30Z##	40	0.6	10	0.30	40	▲	▲
232d25r1.15Z##	25	2.3	8	1.15	20-24	▲	▲	232d40r0.35Z##	40	0.7	10	0.35	40	▲	▲
232d25r1.20Z##	25	2.4	8	1.20	20-24	▲	▲	232d40r0.40Z##	40	0.8	10	0.40	40	▲	▲
232d25r1.25Z##	25	2.5	8	1.25	20-24	▲	▲	232d40r0.45Z##	40	0.9	10	0.45	40	▲	▲
232d25r1.30Z##	25	2.6	8	1.30	20-24	▲	▲	232d40r0.50Z##	40	1.0	10	0.50	28-40	▲	▲
232d25r1.35Z##	25	2.7	8	1.35	20-24	▲	▲	232d40r0.55Z##	40	1.1	10	0.55	24-30	▲	▲
232d25r1.40Z##	25	2.8	8	1.40	20-24	▲	▲	232d40r0.60Z##	40	1.2	10	0.60	24-30	▲	▲
232d25r1.45Z##	25	2.9	8	1.45	20-24	▲	▲	232d40r0.65Z##	40	1.3	10	0.65	24-30	▲	▲
232d25r1.50Z##	25	3.0	8	1.50	16	▲	▲	232d40r0.70Z##	40	1.4	10	0.70	24-30	▲	▲
232d25r1.75Z##	25	3.5	8	1.75	16	▲	▲	232d40r0.75Z##	40	1.5	10	0.75	24-30	▲	▲
232d25r2.00Z##	25	4.0	8	2.00	16	▲	▲	232d40r0.80Z##	40	1.6	10	0.80	24-30	▲	▲
232d25r2.25Z##	25	4.5	8	2.25	16	▲	▲	232d40r0.85Z##	40	1.7	10	0.85	24-30	▲	▲
232d25r2.50Z##	25	5.0	8	2.50	16	▲	▲	232d40r0.90Z##	40	1.8	10	0.90	24-30	▲	▲
232d25r3.00Z##	25	6.0	8	3.00	16	▲	▲	232d40r0.95Z##	40	1.9	10	0.95	24-30	▲	▲
232d30r0.10Z##	30	0.2	8	0.10	30	▲	▲	232d40r1.00Z##	40	2.0	10	1.00	24-30	▲	▲
232d30r0.25Z##	30	0.5	8	0.25	24-30	▲	▲	232d40r1.05Z##	40	2.1	10	1.05	24-30	▲	▲
232d30r0.50Z##	30	1.0	8	0.50	24-30	▲	▲	232d40r1.10Z##	40	2.2	10	1.10	24-30	▲	▲
232d30r0.55Z##	30	1.1	8	0.55	20-24	▲	▲	232d40r1.15Z##	40	2.3	10	1.15	24-30	▲	▲
232d30r0.60Z##	30	1.2	8	0.60	20-24	▲	▲	232d40r1.20Z##	40	2.4	10	1.20	24-30	▲	▲
232d30r0.65Z##	30	1.3	8	0.65	20-24	▲	▲	232d40r1.25Z##	40	2.5	10	1.25	24-30	▲	▲
232d30r0.70Z##	30	1.4	8	0.70	20-24	▲	▲	232d40r1.30Z##	40	2.6	10	1.30	24-30	▲	▲
232d30r0.75Z##	30	1.5	8	0.75	20-24	▲	▲	232d40r1.35Z##	40	2.7	10	1.35	24-30	▲	▲
232d30r0.80Z##	30	1.6	8	0.80	20-24	▲	▲	232d40r1.40Z##	40	2.8	10	1.40	24-30	▲	▲
232d30r0.85Z##	30	1.7	8	0.85	20-24	▲	▲	232d40r1.45Z##	40	2.9	10	1.45	24-30	▲	▲
232d30r0.90Z##	30	1.8	8	0.90	20-24	▲	▲	232d40r1.50Z##	40	3.0	10	1.50	24	▲	▲
232d30r0.95Z##	30	1.9	8	0.95	20-24	▲	▲	232d40r1.75Z##	40	3.5	10	1.75	24	▲	▲
232d30r1.00Z##	30	2.0	8	1.00	20-24	▲	▲	232d40r2.00Z##	40	4.0	10	2.00	24	▲	▲
232d30r1.05Z##	30	2.1	8	1.05	20-24	▲	▲	232d40r2.25Z##	40	4.5	10	2.25	24	▲	▲
232d30r1.10Z##	30	2.2	8	1.10	20-24	▲	▲	232d40r2.50Z##	40	5.0	10	2.50	24	▲	▲
232d30r1.15Z##	30	2.3	8	1.15	20-24	▲	▲	232d40r3.00Z##	40	6.0	10	3.00	24	▲	▲
232d30r1.20Z##	30	2.4	8	1.20	20-24	▲	▲	232d50r0.10Z##	50	0.2	13	0.10	50	▲	▲
232d30r1.25Z##	30	2.5	8	1.25	20-24	▲	▲	232d50r0.25Z##	50	0.5	13	0.25	50	▲	▲
232d30r1.30Z##	30	2.6	8	1.30	20-24	▲	▲	232d50r0.30Z##	50	0.6	13	0.30	50	▲	▲
232d30r1.35Z##	30	2.7	8	1.35	20-24	▲	▲	232d50r0.35Z##	50	0.7	13	0.35	50	▲	▲
232d30r1.40Z##	30	2.8	8	1.40	20-24	▲	▲	232d50r0.40Z##	50	0.8	13	0.40	50	▲	▲



Disponibile con o
senza rivestimento
(vedi pagina 308)



Z
15-50

λ
0°

CARB

* Prezzi per altri rivestimenti: contattateci!

Per ordinare un utensile rivestito, aggiungere il codice di rivestimento di 2 lettere al numero di articolo.



Fresa circolare con raggio convesso



Disponibile con o
senza rivestimento
(vedi pagina 308)



Z
15-50

λ
0°

CARB

Art. n°	d ₁	e	d ₂	r	Z		
						Senza r.	Trio*
232d50r0.45Z##	50	0.9	13	0.45	50	▲	▲
232d50r0.50Z##	50	1.0	13	0.50	50	▲	▲
232d50r0.55Z##	50	1.1	13	0.55	40	▲	▲
232d50r0.60Z##	50	1.2	13	0.60	40	▲	▲
232d50r0.65Z##	50	1.3	13	0.65	40	▲	▲
232d50r0.70Z##	50	1.4	13	0.70	40	▲	▲
232d50r0.75Z##	50	1.5	13	0.75	40	▲	▲
232d50r0.80Z##	50	1.6	13	0.80	40	▲	▲
232d50r0.85Z##	50	1.7	13	0.85	40	▲	▲
232d50r0.90Z##	50	1.8	13	0.90	40	▲	▲
232d50r0.95Z##	50	1.9	13	0.95	40	▲	▲
232d50r1.00Z##	50	2.0	13	1.00	40	▲	▲
232d50r1.05Z##	50	2.1	13	1.05	40	▲	▲
232d50r1.10Z##	50	2.2	13	1.10	40	▲	▲
232d50r1.15Z##	50	2.3	13	1.15	40	▲	▲
232d50r1.20Z##	50	2.4	13	1.20	40	▲	▲
232d50r1.25Z##	50	2.5	13	1.25	40	▲	▲
232d50r1.30Z##	50	2.6	13	1.30	40	▲	▲
232d50r1.35Z##	50	2.7	13	1.35	40	▲	▲
232d50r1.40Z##	50	2.8	13	1.40	40	▲	▲
232d50r1.45Z##	50	2.9	13	1.45	40	▲	▲
232d50r1.50Z##	50	3.0	13	1.50	30	▲	▲
232d50r1.75Z##	50	3.5	13	1.75	30	▲	▲
232d50r2.00Z##	50	4.0	13	2.00	30	▲	▲
232d50r2.25Z##	50	4.5	13	2.25	30	▲	▲
232d50r2.50Z##	50	5.0	13	2.50	30	▲	▲
232d50r3.00Z##	50	6.0	13	3.00	30	▲	▲
232d63r0.25Z##	63	0.5	16	0.25	60	▲	▲
232d63r0.50Z##	63	1.0	16	0.50	60	▲	▲
232d63r0.75Z##	63	1.5	16	0.75	40	▲	▲
232d63r1.00Z##	63	2.0	16	1.00	40	▲	▲
232d63r1.25Z##	63	2.5	16	1.25	40	▲	▲
232d63r1.50Z##	63	3.0	16	1.50	40	▲	▲
232d63r1.75Z##	63	3.5	16	1.75	40	▲	▲
232d63r2.00Z##	63	4.0	16	2.00	30	▲	▲
232d63r2.25Z##	63	4.5	16	2.25	30	▲	▲
232d63r2.50Z##	63	5.0	16	2.50	30	▲	▲
232d63r3.00Z##	63	6.0	16	3.00	30	▲	▲
232d80r0.25Z##	80	0.5	22	0.25	80	▲	▲
232d80r0.50Z##	80	1.0	22	0.50	80	▲	▲
232d80r0.75Z##	80	1.5	22	0.75	60	▲	▲
232d80r1.00Z##	80	2.0	22	1.00	60	▲	▲
232d80r1.25Z##	80	2.5	22	1.25	60	▲	▲
232d80r1.50Z##	80	3.0	22	1.50	40	▲	▲
232d80r1.75Z##	80	3.5	22	1.75	40	▲	▲

Art. n°	d ₁	e	d ₂	r	Z		
						Senza r.	Trio*
232d80r2.00Z##	80	4.0	22	2.00	40	▲	▲
232d80r2.25Z##	80	4.5	22	2.25	40	▲	▲
232d80r2.50Z##	80	5.0	22	2.50	40	▲	▲
232d80r3.00Z##	80	6.0	22	3.00	40	▲	▲
232d100r0.25Z##	100	0.5	22	0.25	80	▲	▲
232d100r0.50Z##	100	1.0	22	0.50	80	▲	▲
232d100r0.75Z##	100	1.5	22	0.75	80	▲	▲
232d100r1.00Z##	100	2.0	22	1.00	60	▲	▲
232d100r1.50Z##	100	3.0	22	1.50	60	▲	▲
232d100r1.75Z##	100	3.5	22	1.75	60	▲	▲
232d100r2.00Z##	100	4.0	22	2.00	50	▲	▲
232d100r2.25Z##	100	4.5	22	2.25	50	▲	▲
232d100r2.50Z##	100	5.0	22	2.50	50	▲	▲
232d100r3.00Z##	100	6.0	22	3.00	50	▲	▲

* Prezzi per altri rivestimenti: contattateci!

Per ordinare un utensile rivestito, aggiungere il codice di rivestimento di 2 lettere al numero di articolo.