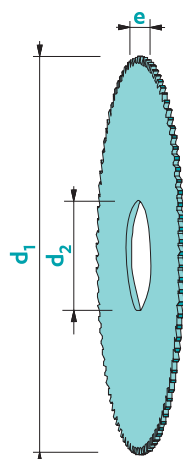
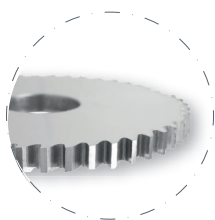


Fresa circolare DIN 1837 dentatura fine



Materiale	Vc non rivestito	Vc rivestito	Senza rivestimento	Rivestito	Rivestimento consigliato*
Acciaio < 700 N/mm ²	80	120	□	■	Tisi (BQ)
Acciaio > 700 N/mm ²	60	100	□	■	Tisi (BQ)
Acciaio inox	60	100	□	■	Tisi (BQ)
Ghisa	50	90	□	■	Tisi (BQ)
Rame	200	300	□	■	Solo (DA)
Ottone - Bronzo	200	300	■	□	Solo (DA)
Alluminio	250	400	□	■	Solo (DA)
Oro - argento	150	300	□	■	Solo (DA)
Platino - Palladio	-	-	-	-	-
Superleghe	20	40	□	■	Trio (PO)
Titanio	40	60	■	■	Rico (ZB)

non adatto - adatto □ molto adatto ■

Tolleranze e: +/-0.01
d₂: H5

Disponibile con o senza rivestimento (vedi pagina 308)



Z
24-160



λ
0°

γ
8°

CARB

Art. n°	d ₁	e	d ₂	Z	Senza r.	Trio*
223-1d15e0.10A5Z64	15	0.10	5	64	▲	▲
223-1d15e0.15A5Z64	15	0.15	5	64	▲	▲
223-1d15e0.20A5Z64	15	0.20	5	64	▲	▲
223-1d15e0.25A5Z64	15	0.25	5	64	▲	▲
223-1d15e0.30A5Z64	15	0.30	5	64	▲	▲
223-1d15e0.35A5Z64	15	0.35	5	64	▲	▲
223-1d15e0.40A5Z64	15	0.40	5	64	▲	▲
223-1d15e0.45A5Z48	15	0.45	5	48	▲	▲
223-1d15e0.50A5Z48	15	0.50	5	48	▲	▲
223-1d15e0.60A5Z48	15	0.60	5	48	▲	▲
223-1d15e0.70A5Z48	15	0.70	5	48	▲	▲
223-1d15e0.80A5Z40	15	0.80	5	40	▲	▲
223-1d15e0.90A5Z40	15	0.90	5	40	▲	▲
223-1d15e1.00A5Z40	15	1.00	5	40	▲	▲
223-1d15e1.10A5Z40	15	1.10	5	40	▲	▲
223-1d15e1.20A5Z40	15	1.20	5	40	▲	▲
223-1d15e1.30A5Z40	15	1.30	5	40	▲	▲
223-1d15e1.40A5Z40	15	1.40	5	40	▲	▲
223-1d15e1.50A5Z40	15	1.50	5	40	▲	▲
223-1d15e1.60A5Z40	15	1.60	5	40	▲	▲
223-1d15e1.70A5Z40	15	1.70	5	40	▲	▲
223-1d15e1.80A5Z40	15	1.80	5	40	▲	▲
223-1d15e1.90A5Z40	15	1.90	5	40	▲	▲
223-1d15e2.00A5Z40	15	2.00	5	40	▲	▲
223-1d15e2.10A5Z40	15	2.10	5	40	▲	▲
223-1d15e2.20A5Z40	15	2.20	5	40	▲	▲
223-1d15e2.30A5Z40	15	2.30	5	40	▲	▲
223-1d15e2.40A5Z40	15	2.40	5	40	▲	▲
223-1d15e2.50A5Z40	15	2.50	5	40	▲	▲
223-1d15e2.60A5Z40	15	2.60	5	40	▲	▲

Art. n°	d ₁	e	d ₂	Z	Senza r.	Trio*
223-1d15e2.70A5Z40	15	2.70	5	40	▲	▲
223-1d15e2.80A5Z40	15	2.80	5	40	▲	▲
223-1d15e2.90A5Z40	15	2.90	5	40	▲	▲
223-1d15e3.00A5Z40	15	3.00	5	40	▲	▲
223-1d15e3.10A5Z24	15	3.10	5	24	▲	▲
223-1d15e3.20A5Z24	15	3.20	5	24	▲	▲
223-1d15e3.30A5Z24	15	3.30	5	24	▲	▲
223-1d15e3.40A5Z24	15	3.40	5	24	▲	▲
223-1d15e3.50A5Z24	15	3.50	5	24	▲	▲
223-1d15e3.60A5Z24	15	3.60	5	24	▲	▲
223-1d15e3.70A5Z24	15	3.70	5	24	▲	▲
223-1d15e3.80A5Z24	15	3.80	5	24	▲	▲
223-1d15e3.90A5Z24	15	3.90	5	24	▲	▲
223-1d15e4.00A5Z24	15	4.00	5	24	▲	▲
223-1d15e4.50A5Z24	15	4.50	5	24	▲	▲
223-1d15e5.00A5Z24	15	5.00	5	24	▲	▲
223-1d15e5.50A5Z24	15	5.50	5	24	▲	▲
223-1d15e6.00A5Z24	15	6.00	5	24	▲	▲
223-1d20e0.10A5Z80	20	0.10	5	80	▲	▲
223-1d20e0.15A5Z80	20	0.15	5	80	▲	▲
223-1d20e0.20A5Z80	20	0.20	5	80	▲	▲
223-1d20e0.25A5Z64	20	0.25	5	64	▲	▲
223-1d20e0.30A5Z64	20	0.30	5	64	▲	▲
223-1d20e0.35A5Z64	20	0.35	5	64	▲	▲
223-1d20e0.40A5Z64	20	0.40	5	64	▲	▲
223-1d20e0.45A5Z48	20	0.45	5	48	▲	▲
223-1d20e0.50A5Z48	20	0.50	5	48	▲	▲
223-1d20e0.60A5Z48	20	0.60	5	48	▲	▲
223-1d20e0.70A5Z48	20	0.70	5	48	▲	▲
223-1d20e0.80A5Z40	20	0.80	5	40	▲	▲

* Prezzi per altri rivestimenti: contattateci!

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

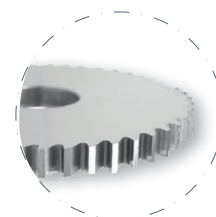


Fresa circolare DIN 1837 dentatura fine

223-1

Continua

Art. n°	d ₁	e	d ₂	Z			Art. n°	d ₁	e	d ₂	Z		
					Senza r.	Trio*						Senza r.	Trio*
223-1d20e0.90A5Z40	20	0.90	5	40	▲	▲	223-1d25e0.60A8Z64	25	0.60	8	64	▲	▲
223-1d20e1.00A5Z40	20	1.00	5	40	▲	▲	223-1d25e0.70A8Z48	25	0.70	8	48	▲	▲
223-1d20e1.10A5Z40	20	1.10	5	40	▲	▲	223-1d25e0.80A8Z48	25	0.80	8	48	▲	▲
223-1d20e1.20A5Z40	20	1.20	5	40	▲	▲	223-1d25e0.90A8Z48	25	0.90	8	48	▲	▲
223-1d20e1.30A5Z40	20	1.30	5	40	▲	▲	223-1d25e1.00A8Z48	25	1.00	8	48	▲	▲
223-1d20e1.40A5Z40	20	1.40	5	40	▲	▲	223-1d25e1.10A8Z48	25	1.10	8	48	▲	▲
223-1d20e1.50A5Z40	20	1.50	5	40	▲	▲	223-1d25e1.20A8Z48	25	1.20	8	48	▲	▲
223-1d20e1.60A5Z40	20	1.60	5	40	▲	▲	223-1d25e1.30A8Z40	25	1.30	8	40	▲	▲
223-1d20e1.70A5Z32	20	1.70	5	32	▲	▲	223-1d25e1.40A8Z40	25	1.40	8	40	▲	▲
223-1d20e1.80A5Z32	20	1.80	5	32	▲	▲	223-1d25e1.50A8Z40	25	1.50	8	40	▲	▲
223-1d20e1.90A5Z32	20	1.90	5	32	▲	▲	223-1d25e1.60A8Z40	25	1.60	8	40	▲	▲
223-1d20e2.00A5Z32	20	2.00	5	32	▲	▲	223-1d25e1.70A8Z40	25	1.70	8	40	▲	▲
223-1d20e2.10A5Z32	20	2.10	5	32	▲	▲	223-1d25e1.80A8Z40	25	1.80	8	40	▲	▲
223-1d20e2.20A5Z32	20	2.20	5	32	▲	▲	223-1d25e1.90A8Z40	25	1.90	8	40	▲	▲
223-1d20e2.30A5Z32	20	2.30	5	32	▲	▲	223-1d25e2.00A8Z40	25	2.00	8	40	▲	▲
223-1d20e2.40A5Z32	20	2.40	5	32	▲	▲	223-1d25e2.10A8Z40	25	2.10	8	40	▲	▲
223-1d20e2.50A5Z32	20	2.50	5	32	▲	▲	223-1d25e2.20A8Z40	25	2.20	8	40	▲	▲
223-1d20e2.60A5Z32	20	2.60	5	32	▲	▲	223-1d25e2.30A8Z40	25	2.30	8	40	▲	▲
223-1d20e2.70A5Z32	20	2.70	5	32	▲	▲	223-1d25e2.40A8Z40	25	2.40	8	40	▲	▲
223-1d20e2.80A5Z32	20	2.80	5	32	▲	▲	223-1d25e2.50A8Z40	25	2.50	8	40	▲	▲
223-1d20e2.90A5Z32	20	2.90	5	32	▲	▲	223-1d25e2.60A8Z32	25	2.60	8	32	▲	▲
223-1d20e3.00A5Z32	20	3.00	5	32	▲	▲	223-1d25e2.70A8Z32	25	2.70	8	32	▲	▲
223-1d20e3.10A5Z24	20	3.10	5	24	▲	▲	223-1d25e2.80A8Z32	25	2.80	8	32	▲	▲
223-1d20e3.20A5Z24	20	3.20	5	24	▲	▲	223-1d25e2.90A8Z32	25	2.90	8	32	▲	▲
223-1d20e3.30A5Z24	20	3.30	5	24	▲	▲	223-1d25e3.00A8Z32	25	3.00	8	32	▲	▲
223-1d20e3.40A5Z24	20	3.40	5	24	▲	▲	223-1d25e3.10A8Z32	25	3.10	8	32	▲	▲
223-1d20e3.50A5Z24	20	3.50	5	24	▲	▲	223-1d25e3.20A8Z32	25	3.20	8	32	▲	▲
223-1d20e3.60A5Z24	20	3.60	5	24	▲	▲	223-1d25e3.30A8Z32	25	3.30	8	32	▲	▲
223-1d20e3.70A5Z24	20	3.70	5	24	▲	▲	223-1d25e3.40A8Z32	25	3.40	8	32	▲	▲
223-1d20e3.80A5Z24	20	3.80	5	24	▲	▲	223-1d25e3.50A8Z32	25	3.50	8	32	▲	▲
223-1d20e3.90A5Z24	20	3.90	5	24	▲	▲	223-1d25e3.60A8Z32	25	3.60	8	32	▲	▲
223-1d20e4.00A5Z24	20	4.00	5	24	▲	▲	223-1d25e3.70A8Z32	25	3.70	8	32	▲	▲
223-1d20e4.50A5Z24	20	4.50	5	24	▲	▲	223-1d25e3.80A8Z32	25	3.80	8	32	▲	▲
223-1d20e5.00A5Z24	20	5.00	5	24	▲	▲	223-1d25e3.90A8Z32	25	3.90	8	32	▲	▲
223-1d20e5.50A5Z24	20	5.50	5	24	▲	▲	223-1d25e4.00A8Z32	25	4.00	8	32	▲	▲
223-1d20e6.00A5Z24	20	6.00	5	24	▲	▲	223-1d25e4.50A8Z32	25	4.50	8	32	▲	▲
223-1d25e0.10A8Z80	25	0.10	8	80	▲	▲	223-1d25e5.00A8Z32	25	5.00	8	32	▲	▲
223-1d25e0.15A8Z80	25	0.15	8	80	▲	▲	223-1d25e5.50A8Z24	25	5.50	8	24	▲	▲
223-1d25e0.20A8Z80	25	0.20	8	80	▲	▲	223-1d25e6.00A8Z24	25	6.00	8	24	▲	▲
223-1d25e0.25A8Z80	25	0.25	8	80	▲	▲	--> Ref. 223-2	30	0.10	8	100	▲	▲
223-1d25e0.30A8Z80	25	0.30	8	80	▲	▲	--> Ref. 223-2	30	0.15	8	100	▲	▲
223-1d25e0.35A8Z64	25	0.35	8	64	▲	▲	--> Ref. 223-2	30	0.20	8	100	▲	▲
223-1d25e0.40A8Z64	25	0.40	8	64	▲	▲	--> Ref. 223-2	30	0.25	8	100	▲	▲
223-1d25e0.45A8Z64	25	0.45	8	64	▲	▲	223-1d30e0.30A8Z80	30	0.30	8	80	▲	▲
223-1d25e0.50A8Z64	25	0.50	8	64	▲	▲	223-1d30e0.35A8Z80	30	0.35	8	80	▲	▲



Disponibile con o senza rivestimento (vedi pagina 308)



Z
24-160



λ
0°

γ
8°

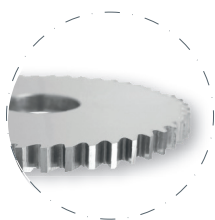
CARB

* Prezzi per altri rivestimenti: contattateci!

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



Fresa circolare DIN 1837 dentatura fine



Disponibile con o
senza rivestimento
(vedi pagina 308)



Z
24-160



λ
0°

γ
8°

CARB

Art. n°	d ₁	e	d ₂	Z		
					Senza r.	Trio*
223-1d30e0.40A8Z80	30	0.40	8	80	▲	▲
223-1d30e0.45A8Z80	30	0.45	8	80	▲	▲
223-1d30e0.50A8Z80	30	0.50	8	80	▲	▲
223-1d30e0.60A8Z64	30	0.60	8	64	▲	▲
223-1d30e0.70A8Z64	30	0.70	8	64	▲	▲
223-1d30e0.80A8Z64	30	0.80	8	64	▲	▲
223-1d30e0.90A8Z64	30	0.90	8	64	▲	▲
223-1d30e1.00A8Z64	30	1.00	8	64	▲	▲
223-1d30e1.10A8Z48	30	1.10	8	48	▲	▲
223-1d30e1.20A8Z48	30	1.20	8	48	▲	▲
223-1d30e1.30A8Z48	30	1.30	8	48	▲	▲
223-1d30e1.40A8Z48	30	1.40	8	48	▲	▲
223-1d30e1.50A8Z48	30	1.50	8	48	▲	▲
223-1d30e1.60A8Z48	30	1.60	8	48	▲	▲
223-1d30e1.70A8Z48	30	1.70	8	48	▲	▲
223-1d30e1.80A8Z48	30	1.80	8	48	▲	▲
223-1d30e1.90A8Z48	30	1.90	8	48	▲	▲
223-1d30e2.00A8Z48	30	2.00	8	48	▲	▲
223-1d30e2.10A8Z40	30	2.10	8	40	▲	▲
223-1d30e2.20A8Z40	30	2.20	8	40	▲	▲
223-1d30e2.30A8Z40	30	2.30	8	40	▲	▲
223-1d30e2.40A8Z40	30	2.40	8	40	▲	▲
223-1d30e2.50A8Z40	30	2.50	8	40	▲	▲
223-1d30e2.60A8Z40	30	2.60	8	40	▲	▲
223-1d30e2.70A8Z40	30	2.70	8	40	▲	▲
223-1d30e2.80A8Z40	30	2.80	8	40	▲	▲
223-1d30e2.90A8Z40	30	2.90	8	40	▲	▲
223-1d30e3.00A8Z40	30	3.00	8	40	▲	▲
223-1d30e3.10A8Z40	30	3.10	8	40	▲	▲
223-1d30e3.20A8Z40	30	3.20	8	40	▲	▲
223-1d30e3.30A8Z40	30	3.30	8	40	▲	▲
223-1d30e3.40A8Z40	30	3.40	8	40	▲	▲
223-1d30e3.50A8Z40	30	3.50	8	40	▲	▲
223-1d30e3.60A8Z40	30	3.60	8	40	▲	▲
223-1d30e3.70A8Z40	30	3.70	8	40	▲	▲
223-1d30e3.80A8Z40	30	3.80	8	40	▲	▲
223-1d30e3.90A8Z40	30	3.90	8	40	▲	▲
223-1d30e4.00A8Z40	30	4.00	8	40	▲	▲
223-1d30e4.50A8Z32	30	4.50	8	32	▲	▲
223-1d30e5.00A8Z32	30	5.00	8	32	▲	▲
223-1d30e5.50A8Z32	30	5.50	8	32	▲	▲
223-1d30e6.00A8Z32	30	6.00	8	32	▲	▲
223-1d40e0.10A10Z128	40	0.10	10	128	▲	▲
223-1d40e0.15A10Z128	40	0.15	10	128	▲	▲
223-1d40e0.20A10Z128	40	0.20	10	128	▲	▲
Art. n°	d ₁	e	d ₂	Z		
					Senza r.	Trio*
--> Ref. 223-2	40	0.25	10	100	▲	▲
--> Ref. 223-2	40	0.30	10	100	▲	▲
--> Ref. 223-2	40	0.35	10	100	▲	▲
--> Ref. 223-2	40	0.40	10	100	▲	▲
223-1d40e0.45A10Z80	40	0.45	10	80	▲	▲
223-1d40e0.50A10Z80	40	0.50	10	80	▲	▲
223-1d40e0.60A10Z80	40	0.60	10	80	▲	▲
223-1d40e0.70A10Z80	40	0.70	10	80	▲	▲
223-1d40e0.80A10Z80	40	0.80	10	80	▲	▲
223-1d40e0.90A10Z64	40	0.90	10	64	▲	▲
223-1d40e1.00A10Z64	40	1.00	10	64	▲	▲
223-1d40e1.10A10Z64	40	1.10	10	64	▲	▲
223-1d40e1.20A10Z64	40	1.20	10	64	▲	▲
223-1d40e1.30A10Z64	40	1.30	10	64	▲	▲
223-1d40e1.40A10Z64	40	1.40	10	64	▲	▲
223-1d40e1.50A10Z64	40	1.50	10	64	▲	▲
223-1d40e1.60A10Z64	40	1.60	10	64	▲	▲
223-1d40e1.70A10Z48	40	1.70	10	48	▲	▲
223-1d40e1.80A10Z48	40	1.80	10	48	▲	▲
223-1d40e1.90A10Z48	40	1.90	10	48	▲	▲
223-1d40e2.00A10Z48	40	2.00	10	48	▲	▲
223-1d40e2.10A10Z48	40	2.10	10	48	▲	▲
223-1d40e2.20A10Z48	40	2.20	10	48	▲	▲
223-1d40e2.30A10Z48	40	2.30	10	48	▲	▲
223-1d40e2.40A10Z48	40	2.40	10	48	▲	▲
223-1d40e2.50A10Z48	40	2.50	10	48	▲	▲
223-1d40e2.60A10Z48	40	2.60	10	48	▲	▲
223-1d40e2.70A10Z48	40	2.70	10	48	▲	▲
223-1d40e2.80A10Z48	40	2.80	10	48	▲	▲
223-1d40e2.90A10Z48	40	2.90	10	48	▲	▲
223-1d40e3.00A10Z48	40	3.00	10	48	▲	▲
223-1d40e3.10A10Z40	40	3.10	10	40	▲	▲
223-1d40e3.20A10Z40	40	3.20	10	40	▲	▲
223-1d40e3.30A10Z40	40	3.30	10	40	▲	▲
223-1d40e3.40A10Z40	40	3.40	10	40	▲	▲
223-1d40e3.50A10Z40	40	3.50	10	40	▲	▲
223-1d40e3.60A10Z40	40	3.60	10	40	▲	▲
223-1d40e3.70A10Z40	40	3.70	10	40	▲	▲
223-1d40e3.80A10Z40	40	3.80	10	40	▲	▲
223-1d40e3.90A10Z40	40	3.90	10	40	▲	▲
223-1d40e4.00A10Z40	40	4.00	10	40	▲	▲
223-1d40e4.50A10Z40	40	4.50	10	40	▲	▲
223-1d40e5.00A10Z40	40	5.00	10	40	▲	▲
223-1d40e5.50A10Z40	40	5.50	10	40	▲	▲
223-1d40e6.00A10Z40	40	6.00	10	40	▲	▲

* Prezzi per altri rivestimenti: contattateci!

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

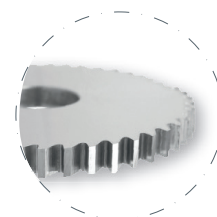


Fresa circolare DIN 1837 dentatura fine

223-1

Continua

Art. n°	d ₁	e	d ₂	Z		
					Senza r.	Trio*
223-1d50e0.20A13Z128	50	0.20	13	128	▲	▲
223-1d50e0.25A13Z128	50	0.25	13	128	▲	▲
223-1d50e0.30A13Z128	50	0.30	13	128	▲	▲
223-1d50e0.35A13Z100	50	0.35	13	100	▲	▲
223-1d50e0.40A13Z100	50	0.40	13	100	▲	▲
223-1d50e0.45A13Z100	50	0.45	13	100	▲	▲
223-1d50e0.50A13Z100	50	0.50	13	100	▲	▲
223-1d50e0.60A13Z100	50	0.60	13	100	▲	▲
223-1d50e0.70A13Z80	50	0.70	13	80	▲	▲
223-1d50e0.80A13Z80	50	0.80	13	80	▲	▲
223-1d50e0.90A13Z80	50	0.90	13	80	▲	▲
223-1d50e1.00A13Z80	50	1.00	13	80	▲	▲
223-1d50e1.10A13Z80	50	1.10	13	80	▲	▲
223-1d50e1.20A13Z80	50	1.20	13	80	▲	▲
223-1d50e1.30A13Z64	50	1.30	13	64	▲	▲
223-1d50e1.40A13Z64	50	1.40	13	64	▲	▲
223-1d50e1.50A13Z64	50	1.50	13	64	▲	▲
223-1d50e1.60A13Z64	50	1.60	13	64	▲	▲
223-1d50e1.70A13Z64	50	1.70	13	64	▲	▲
223-1d50e1.80A13Z64	50	1.80	13	64	▲	▲
223-1d50e1.90A13Z64	50	1.90	13	64	▲	▲
223-1d50e2.00A13Z64	50	2.00	13	64	▲	▲
223-1d50e2.10A13Z64	50	2.10	13	64	▲	▲
223-1d50e2.20A13Z64	50	2.20	13	64	▲	▲
223-1d50e2.30A13Z64	50	2.30	13	64	▲	▲
223-1d50e2.40A13Z64	50	2.40	13	64	▲	▲
223-1d50e2.50A13Z64	50	2.50	13	64	▲	▲
223-1d50e2.60A13Z48	50	2.60	13	48	▲	▲
223-1d50e2.70A13Z48	50	2.70	13	48	▲	▲
223-1d50e2.80A13Z48	50	2.80	13	48	▲	▲
223-1d50e2.90A13Z48	50	2.90	13	48	▲	▲
223-1d50e3.00A13Z48	50	3.00	13	48	▲	▲
223-1d50e3.10A13Z48	50	3.10	13	48	▲	▲
223-1d50e3.20A13Z48	50	3.20	13	48	▲	▲
223-1d50e3.30A13Z48	50	3.30	13	48	▲	▲
223-1d50e3.40A13Z48	50	3.40	13	48	▲	▲
223-1d50e3.50A13Z48	50	3.50	13	48	▲	▲
223-1d50e3.60A13Z48	50	3.60	13	48	▲	▲
223-1d50e3.70A13Z48	50	3.70	13	48	▲	▲
223-1d50e3.80A13Z48	50	3.80	13	48	▲	▲
223-1d50e3.90A13Z48	50	3.90	13	48	▲	▲
223-1d50e4.00A13Z48	50	4.00	13	48	▲	▲
223-1d50e4.50A13Z48	50	4.50	13	48	▲	▲
223-1d50e5.00A13Z48	50	5.00	13	48	▲	▲
223-1d50e5.50A13Z40	50	5.50	13	40	▲	▲
223-1d50e6.00A13Z40	50	6.00	13	40	▲	▲
223-1d63e0.20A16Z160	63	0.20	16	160	▲	▲
223-1d63e0.25A16Z128	63	0.25	16	128	▲	▲
223-1d63e0.30A16Z128	63	0.30	16	128	▲	▲
223-1d63e0.35A16Z128	63	0.35	16	128	▲	▲
223-1d63e0.40A16Z128	63	0.40	16	128	▲	▲
223-1d63e0.45A16Z128	63	0.45	16	128	▲	▲
223-1d63e0.50A16Z128	63	0.50	16	128	▲	▲
223-1d63e0.60A16Z100	63	0.60	16	100	▲	▲
223-1d63e0.70A16Z100	63	0.70	16	100	▲	▲
223-1d63e0.80A16Z100	63	0.80	16	100	▲	▲
223-1d63e0.90A16Z100	63	0.90	16	100	▲	▲
223-1d63e1.00A16Z100	63	1.00	16	100	▲	▲
223-1d63e1.10A16Z80	63	1.10	16	80	▲	▲
223-1d63e1.20A16Z80	63	1.20	16	80	▲	▲
223-1d63e1.30A16Z80	63	1.30	16	80	▲	▲
223-1d63e1.40A16Z80	63	1.40	16	80	▲	▲
223-1d63e1.50A16Z80	63	1.50	16	80	▲	▲
223-1d63e1.60A16Z80	63	1.60	16	80	▲	▲
223-1d63e1.70A16Z80	63	1.70	16	80	▲	▲
223-1d63e1.80A16Z80	63	1.80	16	80	▲	▲
223-1d63e1.90A16Z80	63	1.90	16	80	▲	▲
223-1d63e2.00A16Z80	63	2.00	16	80	▲	▲
223-1d63e2.10A16Z64	63	2.10	16	64	▲	▲
223-1d63e2.20A16Z64	63	2.20	16	64	▲	▲
223-1d63e2.30A16Z64	63	2.30	16	64	▲	▲
223-1d63e2.40A16Z64	63	2.40	16	64	▲	▲
223-1d63e2.50A16Z64	63	2.50	16	64	▲	▲
223-1d63e2.60A16Z64	63	2.60	16	64	▲	▲
223-1d63e2.70A16Z64	63	2.70	16	64	▲	▲
223-1d63e2.80A16Z64	63	2.80	16	64	▲	▲
223-1d63e2.90A16Z64	63	2.90	16	64	▲	▲
223-1d63e3.00A16Z64	63	3.00	16	64	▲	▲
223-1d63e3.10A16Z64	63	3.10	16	64	▲	▲
223-1d63e3.20A16Z64	63	3.20	16	64	▲	▲
223-1d63e3.30A16Z64	63	3.30	16	64	▲	▲
223-1d63e3.40A16Z64	63	3.40	16	64	▲	▲
223-1d63e3.50A16Z64	63	3.50	16	64	▲	▲
223-1d63e3.60A16Z64	63	3.60	16	64	▲	▲
223-1d63e3.70A16Z64	63	3.70	16	64	▲	▲
223-1d63e3.80A16Z64	63	3.80	16	64	▲	▲
223-1d63e3.90A16Z64	63	3.90	16	64	▲	▲
223-1d63e4.00A16Z64	63	4.00	16	64	▲	▲
223-1d63e4.50A16Z48	63	4.50	16	48	▲	▲
223-1d63e5.00A16Z48	63	5.00	16	48	▲	▲



Disponibile con o
senza rivestimento
(vedi pagina 308)



Z
24-160



λ
0°

γ
8°

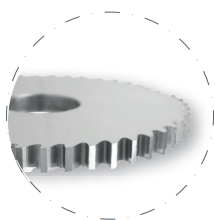
CARB

* Prezzi per altri rivestimenti: contattateci!

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



Fresa circolare DIN 1837 dentatura fine



Disponibile con o
senza rivestimento
(vedi pagina 308)



Z
24-160



λ
0°

γ
8°

CARB

Art. n°	d ₁	e	d ₂	Z		
					Senza r.	Trio*
223-1d63e5.50A2Z48	63	5.50	16	48	▲	▲
223-1d63e6.00A2Z48	63	6.00	16	48	▲	▲
223-1d80e0.25A2Z160	80	0.25	22	160	▲	▲
223-1d80e0.30A2Z160	80	0.30	22	160	▲	▲
223-1d80e0.35A2Z160	80	0.35	22	160	▲	▲
223-1d80e0.40A2Z160	80	0.40	22	160	▲	▲
223-1d80e0.45A2Z128	80	0.45	22	128	▲	▲
223-1d80e0.50A2Z128	80	0.50	22	128	▲	▲
223-1d80e0.60A2Z128	80	0.60	22	128	▲	▲
223-1d80e0.70A2Z128	80	0.70	22	128	▲	▲
223-1d80e0.80A2Z128	80	0.80	22	128	▲	▲
223-1d80e0.90A2Z100	80	0.90	22	100	▲	▲
223-1d80e1.00A2Z100	80	1.00	22	100	▲	▲
223-1d80e1.10A2Z100	80	1.10	22	100	▲	▲
223-1d80e1.20A2Z100	80	1.20	22	100	▲	▲
223-1d80e1.30A2Z100	80	1.30	22	100	▲	▲
223-1d80e1.40A2Z100	80	1.40	22	100	▲	▲
223-1d80e1.50A2Z100	80	1.50	22	100	▲	▲
223-1d80e1.60A2Z100	80	1.60	22	100	▲	▲
223-1d80e1.70A2Z80	80	1.70	22	80	▲	▲
223-1d80e1.80A2Z80	80	1.80	22	80	▲	▲
223-1d80e1.90A2Z80	80	1.90	22	80	▲	▲
223-1d80e2.00A2Z80	80	2.00	22	80	▲	▲
223-1d80e2.10A2Z80	80	2.10	22	80	▲	▲
223-1d80e2.20A2Z80	80	2.20	22	80	▲	▲
223-1d80e2.30A2Z80	80	2.30	22	80	▲	▲
223-1d80e2.40A2Z80	80	2.40	22	80	▲	▲
223-1d80e2.50A2Z80	80	2.50	22	80	▲	▲
223-1d80e2.60A2Z80	80	2.60	22	80	▲	▲
223-1d80e2.70A2Z80	80	2.70	22	80	▲	▲
223-1d80e2.80A2Z80	80	2.80	22	80	▲	▲
223-1d80e2.90A2Z80	80	2.90	22	80	▲	▲
223-1d80e3.00A2Z80	80	3.00	22	80	▲	▲
223-1d80e3.10A2Z64	80	3.10	22	64	▲	▲
223-1d80e3.20A2Z64	80	3.20	22	64	▲	▲
223-1d80e3.30A2Z64	80	3.30	22	64	▲	▲
223-1d80e3.40A2Z64	80	3.40	22	64	▲	▲
223-1d80e3.50A2Z64	80	3.50	22	64	▲	▲
223-1d80e3.60A2Z64	80	3.60	22	64	▲	▲
223-1d80e3.70A2Z64	80	3.70	22	64	▲	▲
223-1d80e3.80A2Z64	80	3.80	22	64	▲	▲
223-1d80e3.90A2Z64	80	3.90	22	64	▲	▲
223-1d80e4.00A2Z64	80	4.00	22	64	▲	▲
223-1d80e4.50A2Z64	80	4.50	22	64	▲	▲
223-1d80e5.00A2Z64	80	5.00	22	64	▲	▲
223-1d80e5.50A2Z64	80	5.50	22	64	▲	▲
223-1d80e6.00A2Z64	80	6.00	22	64	▲	▲
223-1d100e0.50A2Z160	100	0.50	22	160	▲	▲
223-1d100e0.60A2Z160	100	0.60	22	160	▲	▲
223-1d100e0.70A2Z128	100	0.70	22	128	▲	▲
223-1d100e0.80A2Z128	100	0.80	22	128	▲	▲
223-1d100e0.90A2Z128	100	0.90	22	128	▲	▲
223-1d100e1.00A2Z128	100	1.00	22	128	▲	▲
223-1d100e1.10A2Z128	100	1.10	22	128	▲	▲
223-1d100e1.20A2Z128	100	1.20	22	128	▲	▲
223-1d100e1.30A2Z100	100	1.30	22	100	▲	▲
223-1d100e1.40A2Z100	100	1.40	22	100	▲	▲
223-1d100e1.50A2Z100	100	1.50	22	100	▲	▲
223-1d100e1.60A2Z100	100	1.60	22	100	▲	▲
223-1d100e1.70A2Z100	100	1.70	22	100	▲	▲
223-1d100e1.80A2Z100	100	1.80	22	100	▲	▲
223-1d100e1.90A2Z100	100	1.90	22	100	▲	▲
223-1d100e2.00A2Z100	100	2.00	22	100	▲	▲
223-1d100e2.10A2Z100	100	2.10	22	100	▲	▲
223-1d100e2.20A2Z100	100	2.20	22	100	▲	▲
223-1d100e2.30A2Z100	100	2.30	22	100	▲	▲
223-1d100e2.40A2Z100	100	2.40	22	100	▲	▲
223-1d100e2.50A2Z100	100	2.50	22	100	▲	▲
223-1d100e2.60A2Z80	100	2.60	22	80	▲	▲
223-1d100e2.70A2Z80	100	2.70	22	80	▲	▲
223-1d100e2.80A2Z80	100	2.80	22	80	▲	▲
223-1d100e2.90A2Z80	100	2.90	22	80	▲	▲
223-1d100e3.00A2Z80	100	3.00	22	80	▲	▲
223-1d100e3.10A2Z80	100	3.10	22	80	▲	▲
223-1d100e3.20A2Z80	100	3.20	22	80	▲	▲
223-1d100e3.30A2Z80	100	3.30	22	80	▲	▲
223-1d100e3.40A2Z80	100	3.40	22	80	▲	▲
223-1d100e3.50A2Z80	100	3.50	22	80	▲	▲
223-1d100e3.60A2Z80	100	3.60	22	80	▲	▲
223-1d100e3.70A2Z80	100	3.70	22	80	▲	▲
223-1d100e3.80A2Z80	100	3.80	22	80	▲	▲
223-1d100e3.90A2Z80	100	3.90	22	80	▲	▲
223-1d100e4.00A2Z80	100	4.00	22	80	▲	▲
223-1d100e4.50A2Z80	100	4.50	22	80	▲	▲
223-1d100e5.00A2Z80	100	5.00	22	80	▲	▲
223-1d100e5.50A2Z64	100	5.50	22	64	▲	▲
223-1d100e6.00A2Z64	100	6.00	22	64	▲	▲
223-1d125e0.60A2Z160	125	0.60	22	160	▲	▲
223-1d125e0.70A2Z160	125	0.70	22	160	▲	▲
223-1d125e0.80A2Z160	125	0.80	22	160	▲	▲

* Prezzi per altri rivestimenti: contattateci!

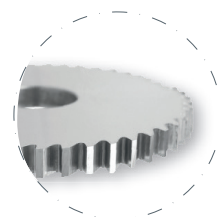
Per ordinare un utensile rivestito, aggiungere il codice di rivestimento di 2 lettere al numero di articolo.



Fresa circolare DIN 1837 dentatura fine

223-1

Art. n°	d ₁	e	d ₂	Z	Senza r.	Trio*
223-1d125e0.90A22Z160	125	0.90	22	160	▲	▲
223-1d125e1.00A22Z160	125	1.00	22	160	▲	▲
223-1d125e1.10A22Z128	125	1.10	22	128	▲	▲
223-1d125e1.20A22Z128	125	1.20	22	128	▲	▲
223-1d125e1.30A22Z128	125	1.30	22	128	▲	▲
223-1d125e1.40A22Z128	125	1.40	22	128	▲	▲
223-1d125e1.50A22Z128	125	1.50	22	128	▲	▲
223-1d125e1.60A22Z128	125	1.60	22	128	▲	▲
223-1d125e1.70A22Z128	125	1.70	22	128	▲	▲
223-1d125e1.80A22Z128	125	1.80	22	128	▲	▲
223-1d125e1.90A22Z128	125	1.90	22	128	▲	▲
223-1d125e2.00A22Z128	125	2.00	22	128	▲	▲
223-1d125e2.10A22Z100	125	2.10	22	100	▲	▲
223-1d125e2.20A22Z100	125	2.20	22	100	▲	▲
223-1d125e2.30A22Z100	125	2.30	22	100	▲	▲
223-1d125e2.40A22Z100	125	2.40	22	100	▲	▲
223-1d125e2.50A22Z100	125	2.50	22	100	▲	▲
223-1d125e2.60A22Z100	125	2.60	22	100	▲	▲
223-1d125e2.70A22Z100	125	2.70	22	100	▲	▲
223-1d125e2.80A22Z100	125	2.80	22	100	▲	▲
223-1d125e2.90A22Z100	125	2.90	22	100	▲	▲
223-1d125e3.00A22Z100	125	3.00	22	100	▲	▲
223-1d125e3.10A22Z100	125	3.10	22	100	▲	▲
223-1d125e3.20A22Z100	125	3.20	22	100	▲	▲
223-1d125e3.30A22Z100	125	3.30	22	100	▲	▲
223-1d125e3.40A22Z100	125	3.40	22	100	▲	▲
223-1d125e3.50A22Z100	125	3.50	22	100	▲	▲
223-1d125e3.60A22Z100	125	3.60	22	100	▲	▲
223-1d125e3.70A22Z100	125	3.70	22	100	▲	▲
223-1d125e3.80A22Z100	125	3.80	22	100	▲	▲
223-1d125e3.90A22Z100	125	3.90	22	100	▲	▲
223-1d125e4.00A22Z100	125	4.00	22	100	▲	▲
223-1d125e4.50A22Z100	125	4.50	22	100	▲	▲
223-1d125e5.00A22Z100	125	5.00	22	100	▲	▲
223-1d125e5.50A22Z100	125	5.50	22	100	▲	▲
223-1d125e6.00A22Z100	125	6.00	22	100	▲	▲
223-1d160e1.00A32Z160	160	1.00	32	160	▲	▲
223-1d160e1.20A32Z160	160	1.20	32	160	▲	▲
223-1d160e1.50A32Z160	160	1.50	32	160	▲	▲
223-1d160e1.60A32Z160	160	1.60	32	160	▲	▲
223-1d160e1.80A32Z128	160	1.80	32	128	▲	▲
223-1d160e2.00A32Z128	160	2.00	32	128	▲	▲
223-1d160e2.50A32Z128	160	2.50	32	128	▲	▲
223-1d160e3.00A32Z128	160	3.00	32	128	▲	▲



Disponibile con o senza rivestimento (vedi pagina 308)



Z
24-160



λ
0°

γ
8°

CARB

* Prezzi per altri rivestimenti: contattateci!
Per ordinare un utensile rivestito, aggiungere il codice di rivestimento di 2 lettere al numero di articolo.