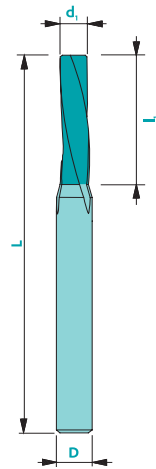
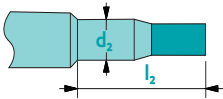


Reibahlen



Auf Anfrage



Werkstoffe	Vc unbeschichtet [m/min]	Vc beschichtet [m/min]	Unbeschichtet	beschichtet	Empfohlene Beschichtung*
Stahl < 700 N/mm ²	70	80	□	□	Tisi (BQ)
Stahl > 700 N/mm ²	60	70	□	□	Tisi (BQ)
Nichtrostende Stähle	20	40	□	□	Tisi (BQ)
Gusseisen	60	70	□	□	Tisi (BQ)
Kupfer	100	130	□	□	Solo (DA)
Messing - Bronze	80	120	■	■	Solo (DA)
Aluminium	100	120	□	□	Solo (DA)
Gold - Silber	80	100	■	■	Solo (DA)
Platin - Palladium	-	20	-	□	Solo (DA)
Superlegierungen	-	25	-	■	Trio (PO)
Titan	40	60	■	■	Rico (ZB)

nicht geeignet - geeignet □ sehr geeignet ■

Toleranzen d_1 : -0.002/-0.004
D: h5

Erhältlich unbeschichtet und beschichtet

Z3-4

λ
10°

CARB

Linksspiralig
Rechtsschneidend

Art. n°	d_1	l_1	D	L	Z	Unbesch. Preis
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361d0.50Z3	0.50	5.0	3.0	33	3	
361d0.51Z3	0.51	5.0	3.0	33	3	
361d0.52Z3	0.52	5.0	3.0	33	3	
361d0.53Z3	0.53	5.0	3.0	33	3	
361d0.54Z3	0.54	5.0	3.0	33	3	
361d0.55Z3	0.55	5.0	3.0	33	3	
361d0.56Z3	0.56	5.0	3.0	33	3	
361d0.57Z3	0.57	5.0	3.0	33	3	
361d0.58Z3	0.58	5.0	3.0	33	3	
361d0.59Z3	0.59	5.0	3.0	33	3	
361d0.60Z3	0.60	5.0	3.0	33	3	
361d0.61Z3	0.61	5.0	3.0	33	3	
361d0.62Z3	0.62	5.0	3.0	33	3	
361d0.63Z3	0.63	5.0	3.0	33	3	
361d0.64Z3	0.64	5.0	3.0	33	3	
361d0.65Z3	0.65	5.0	3.0	33	3	
361d0.66Z3	0.66	5.0	3.0	33	3	
361d0.67Z3	0.67	5.0	3.0	33	3	
361d0.68Z3	0.68	5.0	3.0	33	3	
361d0.69Z3	0.69	5.0	3.0	33	3	
361d0.70Z3	0.70	6.0	3.0	33	3	
361d0.71Z3	0.71	6.0	3.0	33	3	
361d0.72Z3	0.72	6.0	3.0	33	3	
361d0.73Z3	0.73	6.0	3.0	33	3	
361d0.74Z3	0.74	6.0	3.0	33	3	
361d0.75Z3	0.75	6.0	3.0	33	3	
361d0.76Z3	0.76	6.0	3.0	33	3	
361d0.77Z3	0.77	6.0	3.0	33	3	
361d0.78Z3	0.78	6.0	3.0	33	3	
361d0.79Z3	0.79	6.0	3.0	33	3	

Art. n°	d_1	l_1	D	L	Z	Unbesch. Preis
---------	-------	-------	---	---	---	----------------

361d0.80Z3	0.80	6.0	3.0	33	3	
361d0.81Z3	0.81	6.0	3.0	33	3	
361d0.82Z3	0.82	6.0	3.0	33	3	
361d0.83Z3	0.83	6.0	3.0	33	3	
361d0.84Z3	0.84	6.0	3.0	33	3	
361d0.85Z3	0.85	6.0	3.0	33	3	
361d0.86Z3	0.86	6.0	3.0	33	3	
361d0.87Z3	0.87	6.0	3.0	33	3	
361d0.88Z3	0.88	6.0	3.0	33	3	
361d0.89Z3	0.89	6.0	3.0	33	3	
361d0.90Z3	0.90	6.0	3.0	33	3	
361d0.91Z3	0.91	6.0	3.0	33	3	
361d0.92Z3	0.92	6.0	3.0	33	3	
361d0.93Z3	0.93	6.0	3.0	33	3	
361d0.94Z3	0.94	6.0	3.0	33	3	
361d0.95Z3	0.95	6.0	3.0	33	3	
361d0.96Z3	0.96	6.0	3.0	33	3	
361d0.97Z3	0.97	6.0	3.0	33	3	
361d0.98Z3	0.98	6.0	3.0	33	3	
361d0.99Z3	0.99	6.0	3.0	33	3	
361d1.00Z3	1.00	8.0	3.0	33	3	
361d1.01Z3	1.01	8.0	3.0	33	3	
361d1.02Z3	1.02	8.0	3.0	33	3	
361d1.03Z3	1.03	8.0	3.0	33	3	
361d1.04Z3	1.04	8.0	3.0	33	3	
361d1.05Z3	1.05	8.0	3.0	33	3	
361d1.06Z3	1.06	8.0	3.0	33	3	
361d1.07Z3	1.07	8.0	3.0	33	3	
361d1.08Z3	1.08	8.0	3.0	33	3	
361d1.09Z3	1.09	8.0	3.0	33	3	

* Preise für ander Beschichtungen: kontaktieren Sie uns!

Um ein beschichtetes Werkzeug zu bestellen, fügen Sie den 2-stelligen Beschichtungscode an die Artikelnummer an.



Reibahlen

361

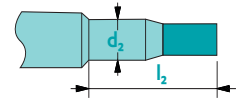
Folge

Art. n°	d ₁	l ₁	D	L	Z	Unbesch. Preis
361d1.10Z3	1.10	8.0	3.0	33	3	
361d1.11Z3	1.11	8.0	3.0	33	3	
361d1.12Z3	1.12	8.0	3.0	33	3	
361d1.13Z3	1.13	8.0	3.0	33	3	
361d1.14Z3	1.14	8.0	3.0	33	3	
361d1.15Z3	1.15	8.0	3.0	33	3	
361d1.16Z3	1.16	8.0	3.0	33	3	
361d1.17Z3	1.17	8.0	3.0	33	3	
361d1.18Z3	1.18	8.0	3.0	33	3	
361d1.19Z3	1.19	8.0	3.0	33	3	
361d1.20Z3	1.20	8.0	3.0	33	3	
361d1.21Z3	1.21	8.0	3.0	33	3	
361d1.22Z3	1.22	8.0	3.0	33	3	
361d1.23Z3	1.23	8.0	3.0	33	3	
361d1.24Z3	1.24	8.0	3.0	33	3	
361d1.25Z3	1.25	8.0	3.0	33	3	
361d1.26Z3	1.26	8.0	3.0	33	3	
361d1.27Z3	1.27	8.0	3.0	33	3	
361d1.28Z3	1.28	8.0	3.0	33	3	
361d1.29Z3	1.29	8.0	3.0	33	3	
361d1.30Z3	1.30	8.0	3.0	33	3	
361d1.31Z3	1.31	8.0	3.0	33	3	
361d1.32Z3	1.32	8.0	3.0	33	3	
361d1.33Z3	1.33	8.0	3.0	33	3	
361d1.34Z3	1.34	8.0	3.0	33	3	
361d1.35Z3	1.35	8.0	3.0	33	3	
361d1.36Z3	1.36	8.0	3.0	33	3	
361d1.37Z3	1.37	8.0	3.0	33	3	
361d1.38Z3	1.38	8.0	3.0	33	3	
361d1.39Z3	1.39	8.0	3.0	33	3	
361d1.40Z3	1.40	8.0	3.0	33	3	
361d1.41Z3	1.41	8.0	3.0	33	3	
361d1.42Z3	1.42	8.0	3.0	33	3	
361d1.43Z3	1.43	8.0	3.0	33	3	
361d1.44Z3	1.44	8.0	3.0	33	3	
361d1.45Z3	1.45	8.0	3.0	33	3	
361d1.46Z3	1.46	8.0	3.0	33	3	
361d1.47Z3	1.47	8.0	3.0	33	3	
361d1.48Z3	1.48	8.0	3.0	33	3	
361d1.49Z3	1.49	8.0	3.0	33	3	
361d1.50Z#	1.50	10.0	3.0	33	3-4	
361d1.51Z#	1.51	10.0	3.0	33	3-4	
361d1.52Z#	1.52	10.0	3.0	33	3-4	
361d1.53Z#	1.53	10.0	3.0	33	3-4	
361d1.54Z#	1.54	10.0	3.0	33	3-4	

Art. n°	d ₁	l ₁	D	L	Z	Unbesch. Preis
361d1.55Z#	1.55	10.0	3.0	33	3-4	
361d1.56Z#	1.56	10.0	3.0	33	3-4	
361d1.57Z#	1.57	10.0	3.0	33	3-4	
361d1.58Z#	1.58	10.0	3.0	33	3-4	
361d1.59Z#	1.59	10.0	3.0	33	3-4	
361d1.60Z#	1.60	10.0	3.0	33	3-4	
361d1.61Z#	1.61	10.0	3.0	33	3-4	
361d1.62Z#	1.62	10.0	3.0	33	3-4	
361d1.63Z#	1.63	10.0	3.0	33	3-4	
361d1.64Z#	1.64	10.0	3.0	33	3-4	
361d1.65Z#	1.65	10.0	3.0	33	3-4	
361d1.66Z#	1.66	10.0	3.0	33	3-4	
361d1.67Z#	1.67	10.0	3.0	33	3-4	
361d1.68Z#	1.68	10.0	3.0	33	3-4	
361d1.69Z#	1.69	10.0	3.0	33	3-4	
361d1.70Z#	1.70	10.0	3.0	33	3-4	
361d1.71Z#	1.71	10.0	3.0	33	3-4	
361d1.72Z#	1.72	10.0	3.0	33	3-4	
361d1.73Z#	1.73	10.0	3.0	33	3-4	
361d1.74Z#	1.74	10.0	3.0	33	3-4	
361d1.75Z#	1.75	10.0	3.0	33	3-4	
361d1.76Z#	1.76	10.0	3.0	33	3-4	
361d1.77Z#	1.77	10.0	3.0	33	3-4	
361d1.78Z#	1.78	10.0	3.0	33	3-4	
361d1.79Z#	1.79	10.0	3.0	33	3-4	
361d1.80Z#	1.80	10.0	3.0	33	3-4	
361d1.81Z#	1.81	10.0	3.0	33	3-4	
361d1.82Z#	1.82	10.0	3.0	33	3-4	
361d1.83Z#	1.83	10.0	3.0	33	3-4	
361d1.84Z#	1.84	10.0	3.0	33	3-4	
361d1.85Z#	1.85	10.0	3.0	33	3-4	
361d1.86Z#	1.86	10.0	3.0	33	3-4	
361d1.87Z#	1.87	10.0	3.0	33	3-4	
361d1.88Z#	1.88	10.0	3.0	33	3-4	
361d1.89Z#	1.89	10.0	3.0	33	3-4	
361d1.90Z#	1.90	10.0	3.0	33	3-4	
361d1.91Z#	1.91	10.0	3.0	33	3-4	
361d1.92Z#	1.92	10.0	3.0	33	3-4	
361d1.93Z#	1.93	10.0	3.0	33	3-4	
361d1.94Z#	1.94	10.0	3.0	33	3-4	
361d1.95Z#	1.95	10.0	3.0	33	3-4	
361d1.96Z#	1.96	10.0	3.0	33	3-4	
361d1.97Z#	1.97	10.0	3.0	33	3-4	
361d1.98Z#	1.98	10.0	3.0	33	3-4	
361d1.99Z#	1.99	10.0	3.0	33	3-4	



Auf Anfrage



Erhältlich unbeschichtet und beschichtet

Z3-4

λ
10°

CARB

Linksspiralig
Rechtsschneidend

* Preise für ander Beschichtungen: kontaktieren Sie uns!

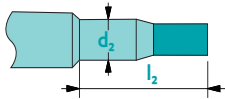
Um ein beschichtetes Werkzeug zu bestellen, fügen Sie den 2-stelligen Beschichtungscode an die Artikelnummer an.



Reibahlen



Auf Anfrage



Erhältlich unbeschichtet und beschichtet

Z3-4

λ
10°

CARB

Linksspiralig
Rechtsschneidend

Art. n°	d ₁	l ₁	D	L	Z	Unbesch. Preis
361d2.00Z#	2.00	10.0	3.0	33	3-4	
361d2.01Z#	2.01	10.0	3.0	33	3-4	
361d2.02Z#	2.02	10.0	3.0	33	3-4	
361d2.03Z#	2.03	10.0	3.0	33	3-4	
361d2.04Z#	2.04	10.0	3.0	33	3-4	
361d2.05Z#	2.05	10.0	3.0	33	3-4	
361d2.06Z#	2.06	10.0	3.0	33	3-4	
361d2.07Z#	2.07	10.0	3.0	33	3-4	
361d2.08Z#	2.08	10.0	3.0	33	3-4	
361d2.09Z#	2.09	10.0	3.0	33	3-4	
361d2.10Z#	2.10	10.0	3.0	33	3-4	
361d2.11Z#	2.11	10.0	3.0	33	3-4	
361d2.12Z#	2.12	10.0	3.0	33	3-4	
361d2.13Z#	2.13	10.0	3.0	33	3-4	
361d2.14Z#	2.14	10.0	3.0	33	3-4	
361d2.15Z#	2.15	10.0	3.0	33	3-4	
361d2.16Z#	2.16	10.0	3.0	33	3-4	
361d2.17Z#	2.17	10.0	3.0	33	3-4	
361d2.18Z#	2.18	10.0	3.0	33	3-4	
361d2.19Z#	2.19	10.0	3.0	33	3-4	
361d2.20Z#	2.20	10.0	3.0	33	3-4	
361d2.21Z#	2.21	10.0	3.0	33	3-4	
361d2.22Z#	2.22	10.0	3.0	33	3-4	
361d2.23Z#	2.23	10.0	3.0	33	3-4	
361d2.24Z#	2.24	10.0	3.0	33	3-4	
361d2.25Z#	2.25	10.0	3.0	33	3-4	
361d2.26Z#	2.26	10.0	3.0	33	3-4	
361d2.27Z#	2.27	10.0	3.0	33	3-4	
361d2.28Z#	2.28	10.0	3.0	33	3-4	
361d2.29Z#	2.29	10.0	3.0	33	3-4	
361d2.30Z#	2.30	10.0	3.0	33	3-4	
361d2.31Z#	2.31	10.0	3.0	33	3-4	
361d2.32Z#	2.32	10.0	3.0	33	3-4	
361d2.33Z#	2.33	10.0	3.0	33	3-4	
361d2.34Z#	2.34	10.0	3.0	33	3-4	
361d2.35Z#	2.35	10.0	3.0	33	3-4	
361d2.36Z#	2.36	10.0	3.0	33	3-4	
361d2.37Z#	2.37	10.0	3.0	33	3-4	
361d2.38Z#	2.38	10.0	3.0	33	3-4	
361d2.39Z#	2.39	10.0	3.0	33	3-4	
361d2.40Z#	2.40	10.0	3.0	33	3-4	
361d2.41Z#	2.41	10.0	3.0	33	3-4	
361d2.42Z#	2.42	10.0	3.0	33	3-4	
361d2.43Z#	2.43	10.0	3.0	33	3-4	
361d2.44Z#	2.44	10.0	3.0	33	3-4	

Art. n°	d ₁	l ₁	D	L	Z	Unbesch. Preis
361d2.45Z#	2.45	10.0	3.0	33	3-4	
361d2.46Z#	2.46	10.0	3.0	33	3-4	
361d2.47Z#	2.47	10.0	3.0	33	3-4	
361d2.48Z#	2.48	10.0	3.0	33	3-4	
361d2.49Z#	2.49	10.0	3.0	33	3-4	
361d2.50Z#	2.50	10.0	3.0	33	3-4	
361d2.51Z#	2.51	10.0	3.0	33	3-4	
361d2.52Z#	2.52	10.0	3.0	33	3-4	
361d2.53Z#	2.53	10.0	3.0	33	3-4	
361d2.54Z#	2.54	10.0	3.0	33	3-4	
361d2.55Z#	2.55	10.0	3.0	33	3-4	
361d2.56Z#	2.56	10.0	3.0	33	3-4	
361d2.57Z#	2.57	10.0	3.0	33	3-4	
361d2.58Z#	2.58	10.0	3.0	33	3-4	
361d2.59Z#	2.59	10.0	3.0	33	3-4	
361d2.60Z#	2.60	10.0	3.0	33	3-4	
361d2.61Z#	2.61	10.0	3.0	33	3-4	
361d2.62Z#	2.62	10.0	3.0	33	3-4	
361d2.63Z#	2.63	10.0	3.0	33	3-4	
361d2.64Z#	2.64	10.0	3.0	33	3-4	
361d2.65Z#	2.65	10.0	3.0	33	3-4	
361d2.66Z#	2.66	10.0	3.0	33	3-4	
361d2.67Z#	2.67	10.0	3.0	33	3-4	
361d2.68Z#	2.68	10.0	3.0	33	3-4	
361d2.69Z#	2.69	10.0	3.0	33	3-4	
361d2.70Z#	2.70	10.0	3.0	33	3-4	
361d2.71Z#	2.71	10.0	3.0	33	3-4	
361d2.72Z#	2.72	10.0	3.0	33	3-4	
361d2.73Z#	2.73	10.0	3.0	33	3-4	
361d2.74Z#	2.74	10.0	3.0	33	3-4	
361d2.75Z#	2.75	10.0	3.0	33	3-4	
361d2.76Z#	2.76	10.0	3.0	33	3-4	
361d2.77Z#	2.77	10.0	3.0	33	3-4	
361d2.78Z#	2.78	10.0	3.0	33	3-4	
361d2.79Z#	2.79	10.0	3.0	33	3-4	
361d2.80Z#	2.80	10.0	3.0	33	3-4	
361d2.81Z#	2.81	10.0	3.0	33	3-4	
361d2.82Z#	2.82	10.0	3.0	33	3-4	
361d2.83Z#	2.83	10.0	3.0	33	3-4	
361d2.84Z#	2.84	10.0	3.0	33	3-4	
361d2.85Z#	2.85	10.0	3.0	33	3-4	
361d2.86Z#	2.86	10.0	3.0	33	3-4	
361d2.87Z#	2.87	10.0	3.0	33	3-4	
361d2.88Z#	2.88	10.0	3.0	33	3-4	
361d2.89Z#	2.89	10.0	3.0	33	3-4	

* Preise für ander Beschichtungen: kontaktieren Sie uns!

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Reibahlen

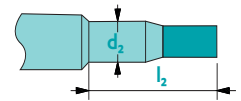
361

Folge

Art. n°	d ₁	l ₁	D	L	Z	Unbesch. Preis
361d2.90Z#	2.90	10.0	3.0	33	3-4	
361d2.91Z#	2.91	10.0	3.0	33	3-4	
361d2.92Z#	2.92	10.0	3.0	33	3-4	
361d2.93Z#	2.93	10.0	3.0	33	3-4	
361d2.94Z#	2.94	10.0	3.0	33	3-4	
361d2.95Z#	2.95	10.0	3.0	33	3-4	
361d2.96Z#	2.96	10.0	3.0	33	3-4	
361d2.97Z#	2.97	10.0	3.0	33	3-4	
361d2.98Z#	2.98	10.0	3.0	33	3-4	
361d2.99Z#	2.99	10.0	3.0	33	3-4	
361d3.00Z#	3.00	10.0	3.0	33	3-4	



Auf Anfrage



* Preise für ander Beschichtungen: kontaktieren Sie uns!
Um ein beschichtetes Werkzeug zu bestellen, fügen Sie den 2-stelligen Beschichtungscode an die Artikelnummer an.

Erhältlich unbeschichtet und beschichtet

Z3-4

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