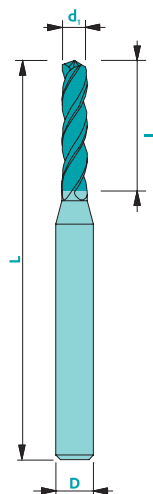


# Twist drill Z3 - shank Ø3

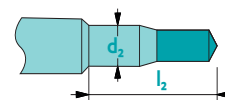
Material	Vc uncoated	Vc coated	Uncoated	Coated	Rec. Coating*
Steel < 700 N/mm <sup>2</sup>	70	80	□	□	Tisi (BQ)
Steel > 700 N/mm <sup>2</sup>	60	70	□	□	Tisi (BQ)
Stainless steel	20	40	□	□	Tisi (BQ)
Cast iron	60	70	□	□	Tisi (BQ)
Copper	100	130	□	□	Solo (DA)
Brass - Bronze	80	120	■	■	Solo (DA)
Aluminium	100	120	□	□	Solo (DA)
Gold - Silver	80	100	■	■	Solo (DA)
Platinum - Palladium	-	20	-	□	Solo (DA)
Superalloys	-	25	-	■	Trio (PO)
Titanium	40	60	■	■	Rico (ZB)

not adapted - adapted □ highly adapted ■

Tolerances d<sub>i</sub>: -0.002/-0.004  
D: h5



Upon request



Art. n°	d <sub>i</sub>	l <sub>1</sub>	D	L	Uncoat.	Rico/DARK*	Art. n°	d <sub>i</sub>	l <sub>1</sub>	D	L	Uncoat.	Rico/DARK*
353d0.15	0.15	2.0	3.0	38	▲	▲	353d0.47	0.47	6.0	3.0	38	▲	▲
353d0.18	0.18	2.0	3.0	38	▲	▲	353d0.48	0.48	6.0	3.0	38	▲	▲
353d0.20	0.20	3.0	3.0	38	▲	▲	353d0.49	0.49	6.0	3.0	38	▲	▲
353d0.21	0.21	3.0	3.0	38	▲	▲	353d0.50	0.50	6.0	3.0	38	▲	▲
353d0.22	0.22	3.0	3.0	38	▲	▲	353d0.51	0.51	6.0	3.0	38	▲	▲
353d0.23	0.23	3.0	3.0	38	▲	▲	353d0.52	0.52	6.0	3.0	38	▲	▲
353d0.24	0.24	3.0	3.0	38	▲	▲	353d0.53	0.53	6.0	3.0	38	▲	▲
353d0.25	0.25	3.5	3.0	38	▲	▲	353d0.54	0.54	6.0	3.0	38	▲	▲
353d0.26	0.26	3.5	3.0	38	▲	▲	353d0.55	0.55	7.0	3.0	38	▲	▲
353d0.27	0.27	3.5	3.0	38	▲	▲	353d0.56	0.56	7.0	3.0	38	▲	▲
353d0.28	0.28	3.5	3.0	38	▲	▲	353d0.57	0.57	7.0	3.0	38	▲	▲
353d0.29	0.29	3.5	3.0	38	▲	▲	353d0.58	0.58	7.0	3.0	38	▲	▲
353d0.30	0.30	5.0	3.0	38	▲	▲	353d0.59	0.59	7.0	3.0	38	▲	▲
353d0.31	0.31	5.0	3.0	38	▲	▲	353d0.60	0.60	7.0	3.0	38	▲	▲
353d0.32	0.32	5.0	3.0	38	▲	▲	353d0.61	0.61	7.0	3.0	38	▲	▲
353d0.33	0.33	5.0	3.0	38	▲	▲	353d0.62	0.62	7.0	3.0	38	▲	▲
353d0.34	0.34	5.0	3.0	38	▲	▲	353d0.63	0.63	7.0	3.0	38	▲	▲
353d0.35	0.35	5.0	3.0	38	▲	▲	353d0.64	0.64	7.0	3.0	38	▲	▲
353d0.36	0.36	5.0	3.0	38	▲	▲	353d0.65	0.65	7.0	3.0	38	▲	▲
353d0.37	0.37	5.0	3.0	38	▲	▲	353d0.66	0.66	7.0	3.0	38	▲	▲
353d0.38	0.38	5.0	3.0	38	▲	▲	353d0.67	0.67	7.0	3.0	38	▲	▲
353d0.39	0.39	5.0	3.0	38	▲	▲	353d0.68	0.68	7.0	3.0	38	▲	▲
353d0.40	0.40	6.0	3.0	38	▲	▲	353d0.69	0.69	7.0	3.0	38	▲	▲
353d0.41	0.41	6.0	3.0	38	▲	▲	353d0.70	0.70	9.5	3.0	38	▲	▲
353d0.42	0.42	6.0	3.0	38	▲	▲	353d0.71	0.71	9.5	3.0	38	▲	▲
353d0.43	0.43	6.0	3.0	38	▲	▲	353d0.72	0.72	9.5	3.0	38	▲	▲
353d0.44	0.44	6.0	3.0	38	▲	▲	353d0.73	0.73	9.5	3.0	38	▲	▲
353d0.45	0.45	6.0	3.0	38	▲	▲	353d0.74	0.74	9.5	3.0	38	▲	▲
353d0.46	0.46	6.0	3.0	38	▲	▲	353d0.75	0.75	9.5	3.0	38	▲	▲

Available uncoated or coated (see page 308)



Z3



λ 34°

CARB

\* Prices for other coatings: contact us!

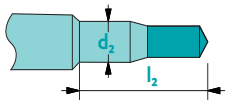
To order a coated tool, add the 2-letter coating code to the article number



## Twist drill Z3 - shank Ø3



Upon request



Available uncoated or coated (see page 308)



Z3



λ  
34°

CARB

Art. n°	d <sub>1</sub>	l <sub>1</sub>	D	L			Art. n°	d <sub>1</sub>	l <sub>1</sub>	D	L		
					Uncoat.	Rico/DARK*						Uncoat.	Rico/DARK*
353d0.76	0.76	9.5	3.0	38	▲	▲	353d1.20	1.20	10.5	3.0	38	▲	▲
353d0.77	0.77	9.5	3.0	38	▲	▲	353d1.21	1.21	10.5	3.0	38	▲	▲
353d0.78	0.78	9.5	3.0	38	▲	▲	353d1.22	1.22	10.5	3.0	38	▲	▲
353d0.79	0.79	9.5	3.0	38	▲	▲	353d1.23	1.23	10.5	3.0	38	▲	▲
353d0.80	0.80	9.5	3.0	38	▲	▲	353d1.24	1.24	10.5	3.0	38	▲	▲
353d0.81	0.81	9.5	3.0	38	▲	▲	353d1.25	1.25	10.5	3.0	38	▲	▲
353d0.82	0.82	9.5	3.0	38	▲	▲	353d1.26	1.26	10.5	3.0	38	▲	▲
353d0.83	0.83	9.5	3.0	38	▲	▲	353d1.27	1.27	10.5	3.0	38	▲	▲
353d0.84	0.84	9.5	3.0	38	▲	▲	353d1.28	1.28	10.5	3.0	38	▲	▲
353d0.85	0.85	9.5	3.0	38	▲	▲	353d1.29	1.29	10.5	3.0	38	▲	▲
353d0.86	0.86	9.5	3.0	38	▲	▲	353d1.30	1.30	10.5	3.0	38	▲	▲
353d0.87	0.87	9.5	3.0	38	▲	▲	353d1.31	1.31	10.5	3.0	38	▲	▲
353d0.88	0.88	9.5	3.0	38	▲	▲	353d1.32	1.32	10.5	3.0	38	▲	▲
353d0.89	0.89	9.5	3.0	38	▲	▲	353d1.33	1.33	10.5	3.0	38	▲	▲
353d0.90	0.90	9.5	3.0	38	▲	▲	353d1.34	1.34	10.5	3.0	38	▲	▲
353d0.91	0.91	9.5	3.0	38	▲	▲	353d1.35	1.35	10.5	3.0	38	▲	▲
353d0.92	0.92	9.5	3.0	38	▲	▲	353d1.36	1.36	10.5	3.0	38	▲	▲
353d0.93	0.93	9.5	3.0	38	▲	▲	353d1.37	1.37	10.5	3.0	38	▲	▲
353d0.94	0.94	9.5	3.0	38	▲	▲	353d1.38	1.38	10.5	3.0	38	▲	▲
353d0.95	0.95	9.5	3.0	38	▲	▲	353d1.39	1.39	10.5	3.0	38	▲	▲
353d0.96	0.96	9.5	3.0	38	▲	▲	353d1.40	1.40	10.5	3.0	38	▲	▲
353d0.97	0.97	9.5	3.0	38	▲	▲	353d1.41	1.41	10.5	3.0	38	▲	▲
353d0.98	0.98	9.5	3.0	38	▲	▲	353d1.42	1.42	10.5	3.0	38	▲	▲
353d0.99	0.99	9.5	3.0	38	▲	▲	353d1.43	1.43	10.5	3.0	38	▲	▲
353d1.00	1.00	9.5	3.0	38	▲	▲	353d1.44	1.44	10.5	3.0	38	▲	▲
353d1.01	1.01	9.5	3.0	38	▲	▲	353d1.45	1.45	10.5	3.0	38	▲	▲
353d1.02	1.02	9.5	3.0	38	▲	▲	353d1.46	1.46	10.5	3.0	38	▲	▲
353d1.03	1.03	9.5	3.0	38	▲	▲	353d1.47	1.47	10.5	3.0	38	▲	▲
353d1.04	1.04	9.5	3.0	38	▲	▲	353d1.48	1.48	10.5	3.0	38	▲	▲
353d1.05	1.05	10.5	3.0	38	▲	▲	353d1.49	1.49	10.5	3.0	38	▲	▲
353d1.06	1.06	10.5	3.0	38	▲	▲	353d1.50	1.50	10.5	3.0	38	▲	▲
353d1.07	1.07	10.5	3.0	38	▲	▲	353d1.51	1.51	10.5	3.0	38	▲	▲
353d1.08	1.08	10.5	3.0	38	▲	▲	353d1.52	1.52	10.5	3.0	38	▲	▲
353d1.09	1.09	10.5	3.0	38	▲	▲	353d1.53	1.53	10.5	3.0	38	▲	▲
353d1.10	1.10	10.5	3.0	38	▲	▲	353d1.54	1.54	10.5	3.0	38	▲	▲
353d1.11	1.11	10.5	3.0	38	▲	▲	353d1.55	1.55	10.5	3.0	38	▲	▲
353d1.12	1.12	10.5	3.0	38	▲	▲	353d1.56	1.56	10.5	3.0	38	▲	▲
353d1.13	1.13	10.5	3.0	38	▲	▲	353d1.57	1.57	10.5	3.0	38	▲	▲
353d1.14	1.14	10.5	3.0	38	▲	▲	353d1.58	1.58	10.5	3.0	38	▲	▲
353d1.15	1.15	10.5	3.0	38	▲	▲	353d1.59	1.59	10.5	3.0	38	▲	▲
353d1.16	1.16	10.5	3.0	38	▲	▲	353d1.60	1.60	10.5	3.0	38	▲	▲
353d1.17	1.17	10.5	3.0	38	▲	▲	353d1.61	1.61	10.5	3.0	38	▲	▲
353d1.18	1.18	10.5	3.0	38	▲	▲	353d1.62	1.62	10.5	3.0	38	▲	▲
353d1.19	1.19	10.5	3.0	38	▲	▲	353d1.63	1.63	10.5	3.0	38	▲	▲

\* Prices for other coatings: contact us!  
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# Twist drill Z3 - shank Ø3

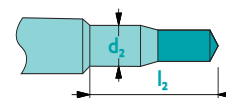
**353**

Continuation

Art. n°	d <sub>1</sub>	l <sub>1</sub>	D	L			Art. n°	d <sub>1</sub>	l <sub>1</sub>	D	L		
					Uncoat.	Rico/DARK*						Uncoat.	Rico/DARK*
353d1.64	1.64	10.5	3.0	38	▲	▲	353d2.40	2.40	10.5	3.0	38	▲	▲
353d1.65	1.65	10.5	3.0	38	▲	▲	353d2.45	2.45	10.5	3.0	38	▲	▲
353d1.66	1.66	10.5	3.0	38	▲	▲	353d2.50	2.50	10.5	3.0	38	▲	▲
353d1.67	1.67	10.5	3.0	38	▲	▲	353d2.55	2.55	10.5	3.0	38	▲	▲
353d1.68	1.68	10.5	3.0	38	▲	▲	353d2.60	2.60	10.5	3.0	38	▲	▲
353d1.69	1.69	10.5	3.0	38	▲	▲	353d2.65	2.65	10.5	3.0	38	▲	▲
353d1.70	1.70	10.5	3.0	38	▲	▲	353d2.70	2.70	10.5	3.0	38	▲	▲
353d1.71	1.71	10.5	3.0	38	▲	▲	353d2.75	2.75	10.5	3.0	38	▲	▲
353d1.72	1.72	10.5	3.0	38	▲	▲	353d2.80	2.80	10.5	3.0	38	▲	▲
353d1.73	1.73	10.5	3.0	38	▲	▲	353d2.85	2.85	10.5	3.0	38	▲	▲
353d1.74	1.74	10.5	3.0	38	▲	▲	353d2.90	2.90	10.5	3.0	38	▲	▲
353d1.75	1.75	10.5	3.0	38	▲	▲	353d2.95	2.95	10.5	3.0	38	▲	▲
353d1.76	1.76	10.5	3.0	38	▲	▲	353d3.00	3.00	10.5	3.0	38	▲	▲
353d1.77	1.77	10.5	3.0	38	▲	▲							
353d1.78	1.78	10.5	3.0	38	▲	▲							
353d1.79	1.79	10.5	3.0	38	▲	▲							
353d1.80	1.80	10.5	3.0	38	▲	▲							
353d1.81	1.81	10.5	3.0	38	▲	▲							
353d1.82	1.82	10.5	3.0	38	▲	▲							
353d1.83	1.83	10.5	3.0	38	▲	▲							
353d1.84	1.84	10.5	3.0	38	▲	▲							
353d1.85	1.85	10.5	3.0	38	▲	▲							
353d1.86	1.86	10.5	3.0	38	▲	▲							
353d1.87	1.87	10.5	3.0	38	▲	▲							
353d1.88	1.88	10.5	3.0	38	▲	▲							
353d1.89	1.89	10.5	3.0	38	▲	▲							
353d1.90	1.90	10.5	3.0	38	▲	▲							
353d1.91	1.91	10.5	3.0	38	▲	▲							
353d1.92	1.92	10.5	3.0	38	▲	▲							
353d1.93	1.93	10.5	3.0	38	▲	▲							
353d1.94	1.94	10.5	3.0	38	▲	▲							
353d1.95	1.95	10.5	3.0	38	▲	▲							
353d1.96	1.96	10.5	3.0	38	▲	▲							
353d1.97	1.97	10.5	3.0	38	▲	▲							
353d1.98	1.98	10.5	3.0	38	▲	▲							
353d1.99	1.99	10.5	3.0	38	▲	▲							
353d2.00	2.00	10.5	3.0	38	▲	▲							
353d2.05	2.05	10.5	3.0	38	▲	▲							
353d2.10	2.10	10.5	3.0	38	▲	▲							
353d2.15	2.15	10.5	3.0	38	▲	▲							
353d2.20	2.20	10.5	3.0	38	▲	▲							
353d2.25	2.25	10.5	3.0	38	▲	▲							
353d2.30	2.30	10.5	3.0	38	▲	▲							
353d2.35	2.35	10.5	3.0	38	▲	▲							



Upon request



Available uncoated or coated (see page 308)



140°

**Z3**



λ  
34°

**CARB**

\* Prices for other coatings: contact us!

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