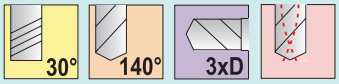
1580KD / z = 2

4,00mm - 7,50mm
(.1575" - .2953")

NEW SERIES

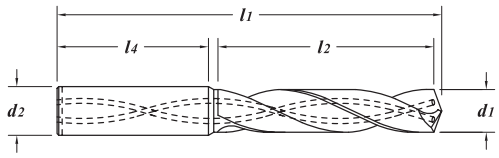
Technical information: page 216-217



TOLERANCES

d_1	3mm - 6mm	+0,016 +0,004mm (+.00063" +.00015")
	> 6mm - 10mm	+0,021 +0,006mm (+.00082" +.00023")
	> 10mm - 18mm	+0,025 +0,007mm (+.00098" +.00027")
	> 18mm - 20mm	+0,029 +0,008mm (+.00114" +.00031")
d_2	6mm	+0,000 -0,008mm (+.00000" -.00030")
	8mm - 10mm	+0,000 -0,009mm (+.00000" -.00035")
	12mm - 18mm	+0,000 -0,011mm (+.00000" -.00040")
	20mm	+0,000 -0,013mm (+.00000" -.00050")

Balinit® HELICA Coated
Balinit® HELICA-Beschichtet
Recubrimiento de *Balinit*® HELICA
Revêtement *Balinit*® HELICA
Rivestimento in *Balinit*® HELICA
Balinit® HELICA 涂层



High performance solid submicron grain carbide drill with reinforced shank
Utilizes DIN standard 6537
Up to 70% faster than standard carbide drills
30° helix for better chip evacuation
Honed cutting edge
Recommended to run in high nickel, high temperature alloys, cobalt-based alloys, stainless steels and tool steels
Balinit® HELICA is a multi-layer AlCr-based coating designed exclusively for high performance drilling
Live tooling recommended on lathe processes

Hochleistungs Bohrer aus Feinkornhartmetall mit verstärktem Schaft
gefertigt nach DIN-Standard 6537
Bis zu 70% schneller als Standard Hartmetallbohrer
30° Spirale für bessere Spanabfuhr
Gehonte Schneidkante
Empfohlen für Hoch Nickelhaltige und Hochwarmfeste Stähle, Kobaltbasislegierungen, Rostfreier- und Werkzeugstahl
Balinit HELICA ist eine Multi-Layer-Beschichtung auf AlCr-Basis, speziell entwickelt für Hochleistungsbohrer
Empfehlung fuer den Einsatz auf der Drehmaschine

Taladro de alto rendimiento de metal submicrónico duro con vástago
Producido según DIN-Standard 6537
Hasta un 70% más rápidas que las brocas de carburo convencionales
Hélice de 30° para una mejor evacuación de viruta
Labio cortante afilado
Recomendado para aleaciones con alto contenido de níquel, aleaciones de alta temperatura, aleaciones con base de cobalto, aceros inoxidables, y aceros de herramienta
Balinit HELICA es un recubrimiento Multi-Layer sobre la base AlCr, desarrollado especialmente para taladros de alto rendimiento
Recomendación para la aplicación en torno

Haute prestation avec drille à grain solide submicron carbure avec tige renforcé
Utiliser DIN standard 6537
70% plus rapide que les forets carbure standarts
Helice a 30° pour une meilleure evacuation de copeaux
Preparation de l'arete de coupe
Recommander pour base nickel, alliages a hautes temperatures, alliages de cobalt, aciers inoxydables et aciers a outils
Balinit HELICA est un AlCr-base aves revêtement multi-couche projeté exclusivement pout hautes prestations
Outillage allumé est conseillé pendant les process avec le tour

Punte in sub-micro grana con gambo rinforzato per alte prestazioni
DIN 6537 Standard
Fino al 70% più veloce rispetto alle punte in metallo duro standard
Elica a 30° per una migliore evacuazione del truciolo
Tagliente onato
Raccomandata per lavorazioni su nickel, superleghe, leghe ad alta percentuale di cobalto, inox e acciai per utensili
Balinit HELICA é un rivestimento multi-layer su base Al-Cr specifico per alte prestazioni in foratura
Giri consigliati per forature su tornio

带加强柄的超细高效整体硬质合金钻头
适用 DIN 6537 标准
跟普通的硬质合金钻头相比可提高速度高达70%
30° 螺旋角更便于排屑
切削刃口经过斯磨
高镍耐高温合金、钴基合金、不锈钢和工具钢
巴尔查斯的 HELICA 涂层是基于 AlCr 的多层涂层，专为高效钻孔而设计
推荐在车床加工中

EDP#	d_1 Diameter Decimal	d_1 Diameter Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_4 Shank Length
28135	.1575"	4,00	6,0	66	24	36
28145	.1614"	4,10	6,0	66	24	36
28155	.1654"	4,20	6,0	66	24	36
28165	.1673"	4,25	6,0	66	24	36
28175	.1693"	4,30	6,0	66	24	36
28185	.1732"	4,40	6,0	66	24	36
28195	.1772"	4,50	6,0	66	24	36
28205	.1811"	4,60	6,0	66	24	36
28215	.1831"	4,65	6,0	66	24	36
28225	.1850"	4,70	6,0	66	24	36
28235	.1870"	4,75	6,0	66	24	36
28245	.1890"	4,80	6,0	66	28	36
28255	.1929"	4,90	6,0	66	28	36
28265	.1969"	5,00	6,0	66	28	36
28275	.2008"	5,10	6,0	66	28	36
28285	.2027"	5,15	6,0	66	28	36
28295	.2047"	5,20	6,0	66	28	36
28305	.2087"	5,30	6,0	66	28	36
28315	.2165"	5,50	6,0	66	28	36
28325	.2185"	5,55	6,0	66	28	36
28335	.2205"	5,60	6,0	66	28	36
28345	.2243"	5,70	6,0	66	28	36
28355	.2283"	5,80	6,0	66	28	36
28365	.2323"	5,90	6,0	66	28	36
28375	.2342"	5,95	6,0	66	28	36
28385	.2362"	6,00	6,0	66	28	36
28395	.2402"	6,10	8,0	79	34	36
28405	.2441"	6,20	8,0	79	34	36
28415	.2480"	6,30	8,0	79	34	36
28425	.2500"	6,35	8,0	79	34	36
28435	.2520"	6,40	8,0	79	34	36
28445	.2559"	6,50	8,0	79	34	36
28446	.2571"	6,53	8,0	79	34	36
28455	.2598"	6,60	8,0	79	34	36
28461	.2638"	6,70	8,0	79	34	36
28465	.2657"	6,75	8,0	79	34	36
28475	.2677"	6,80	8,0	79	34	36
28485	.2717"	6,90	8,0	79	34	36
28495	.2756"	7,00	8,0	79	34	36
28505	.2795"	7,10	8,0	79	41	36
28515	.2815"	7,15	8,0	79	41	36
28525	.2835"	7,20	8,0	79	41	36
28535	.2874"	7,30	8,0	79	41	36
28545	.2913"	7,40	8,0	79	41	36
28555	.2953"	7,50	8,0	79	41	36

1580KD / z = 2 *(continued)*

7,55mm - 12,95mm
(.2972" - .5098")

EDP#	*d1* Diameter Decimal	Diameter Metric	*d2* Shank Diameter	*l1* Overall Length	*l2* Flute Length	*l4* Shank Length
28565	.2972"	7,55	8,0	79	41	36
28575	.2992"	7,60	8,0	79	41	36
28585	.3031"	7,70	8,0	79	41	36
28595	.3071"	7,80	8,0	79	41	36
28605	.3130"	7,95	8,0	79	41	36
28615	.3150"	8,00	8,0	79	41	36
28625	.3189"	8,10	10,0	89	47	40
28635	.3228"	8,20	10,0	89	47	40
28645	.3268"	8,30	10,0	89	47	40
28655	.3287"	8,35	10,0	89	47	40
28665	.3307"	8,40	10,0	89	47	40
28675	.3346"	8,50	10,0	89	47	40
28685	.3386"	8,60	10,0	89	47	40
28695	.3425"	8,70	10,0	89	47	40
28725	.3445"	8,75	10,0	89	47	40
28735	.3465"	8,80	10,0	89	47	40
28745	.3504"	8,90	10,0	89	47	40
28755	.3543"	9,00	10,0	89	47	40
28765	.3583"	9,10	10,0	89	47	40
28775	.3602"	9,15	10,0	89	47	40
28815	.3622"	9,20	10,0	89	47	40
28825	.3661"	9,30	10,0	89	47	40
28845	.3701"	9,40	10,0	89	47	40
28855	.3740"	9,50	10,0	89	47	40
28875	.3760"	9,55	10,0	89	47	40
28878	.3780"	9,60	10,0	89	47	40
28882	.3819"	9,70	10,0	89	47	40
28885	.3858"	9,80	10,0	89	47	40
28895	.3898"	9,90	10,0	89	47	40
28905	.3937"	10,00	10,0	89	47	40
28925	.3976"	10,10	12,0	102	55	45
28935	.4016"	10,20	12,0	102	55	45
28945	.4055"	10,30	12,0	102	55	45
28955	.4134"	10,50	12,0	102	55	45
28965	.4173"	10,60	12,0	102	55	45
28975	.4213"	10,70	12,0	102	55	45
28985	.4252"	10,80	12,0	102	55	45
28995	.4331"	11,00	12,0	102	55	45
29005	.4370"	11,10	12,0	102	55	45
29015	.4409"	11,20	12,0	102	55	45
29025	.4488"	11,40	12,0	102	55	45
29035	.4528"	11,50	12,0	102	55	45
29045	.4606"	11,70	12,0	102	55	45
29055	.4685"	11,90	12,0	102	55	45
29065	.4724"	12,00	12,0	102	55	45
29075	.4764"	12,10	14,0	107	60	45
29085	.4803"	12,20	14,0	107	60	45
29095	.4842"	12,30	14,0	107	60	45
29105	.4882"	12,40	14,0	107	60	45
29115	.4921"	12,50	14,0	107	60	45
29125	.4961"	12,60	14,0	107	60	45
29135	.5000"	12,70	14,0	107	60	45
29145	.5039"	12,80	14,0	107	60	45
29148	.5051"	12,83	14,0	107	60	45
29155	.5079"	12,90	14,0	107	60	45
29161	.5098"	12,95	14,0	107	60	45

continued →

1580KD / z = 2 *(continued)*

13,00mm - 20,00mm
(.5118" - .7874")

EDP#	d_1 Diameter Decimal	d_1 Diameter Metric	d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	l_4 Shank Length
29165	.5118"	13,00	14,0	107	60	45
29175	.5157"	13,10	14,0	107	60	45
29181	.5236"	13,30	14,0	107	60	45
29185	.5315"	13,50	14,0	107	60	45
29195	.5394"	13,70	14,0	107	60	45
29205	.5433"	13,80	14,0	107	60	45
29215	.5512"	14,00	14,0	107	60	45
29225	.5551"	14,10	16,0	115	65	48
29235	.5591"	14,20	16,0	115	65	48
29245	.5610"	14,25	16,0	115	65	48
29255	.5630"	14,30	16,0	115	65	48
29265	.5709"	14,50	16,0	115	65	48
29275	.5787"	14,70	16,0	115	65	48
29285	.5827"	14,80	16,0	115	65	48
29305	.5906"	15,00	16,0	115	65	48
29315	.5945"	15,10	16,0	115	65	48
29325	.6102"	15,50	16,0	115	65	48
29335	.6181"	15,70	16,0	115	65	48
29345	.6220"	15,80	16,0	115	65	48
29355	.6299"	16,00	16,0	115	65	48
29363	.6331"	16,08	18,0	123	73	48
29365	.6339"	16,10	18,0	123	73	48
29371	.6378"	16,20	18,0	123	73	48
29375	.6398"	16,25	18,0	123	73	48
29385	.6496"	16,50	18,0	123	73	48
29395	.6555"	16,65	18,0	123	73	48
29405	.6693"	17,00	18,0	123	73	48
29415	.6713"	17,05	18,0	123	73	48
29425	.6870"	17,45	18,0	123	73	48
29435	.6890"	17,50	18,0	123	73	48
29445	.7027"	17,85	18,0	123	73	48
29455	.7087"	18,00	18,0	123	73	48
29465	.7185"	18,25	20,0	131	79	50
29475	.7283"	18,50	20,0	131	79	50
29485	.7342"	18,65	20,0	131	79	50
29495	.7480"	19,00	20,0	131	79	50
29505	.7500"	19,05	20,0	131	79	50
29515	.7520"	19,10	20,0	131	79	50
29525	.7539"	19,15	20,0	131	79	50
29535	.7559"	19,20	20,0	131	79	50
29545	.7579"	19,25	20,0	131	79	50
29546	.7590"	19,28	20,0	131	79	50
29551	.7598"	19,30	20,0	131	79	50
29555	.7638"	19,40	20,0	131	79	50
29565	.7677"	19,50	20,0	131	79	50
29585	.7795"	19,80	20,0	131	79	50
29595	.7815"	19,85	20,0	131	79	50
29605	.7874"	20,00	20,0	131	79	50