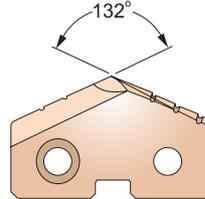


### SPADE DRILL INSERTS FOR CAST IRON - CARBIDE(K10) EINWEG BOHREINSATZ - VOLLHARTMETALL(K10)

- ▶ High performance on Gray cast iron over 220 Brinell, malleable cast iron with short chips, silicon aluminum and copper alloys.
- ▶ Set up time can be reduced due to changing inserts easily on the machine.
- ▶ Any non-standard size available.

- ▶ Beste Leistung in Grauguss über 220 Brinell, kurzspanendem Kugelgraphitguss, Si-Aluminium und Kupferlegierungen
- ▶ Reduzierte Rüstzeiten, einfacher Einsatzwechsel auf der Maschine
- ▶ Jede Abmessung außerhalb des Kataloges lieferbar



cutting conditions : p.284

Series Min. to Max. (mm/inch)	Diameter			Thick Metric (mm/inch)	EDP No.		
	Inch (inch)	Metric (mm)	Decimal (inch)		CARBIDE (K10)		
					TiN	TiCN	TiAlN
<b>0</b> 12.98(.511") to 17.65(.695")	41/64"	16.27	.6406"	3.2 (1/8")	S1605041	S1610041	S1615041
		16.50	.6496"		S1655165	S1660165	S1665165
	21/32"	16.67	.6563"		S1605042	S1610042	S1615042
		17.00	.6693"		S1655170	S1660170	S1665170
	43/64"	17.07	.6719"		S1605043	S1610043	S1615043
	11/16"	17.46	.6875"		S1605044	S1610044	S1615044
<b>1</b> 17.53 (.690") to 24.38 (.960")		17.50	.6890"	4.0 (5/32")	S1655175	S1660175	S1665175
	45/64"	17.86	.7031"		S1605045	S1610045	S1615045
		18.00	.7087"		S1655180	S1660180	S1665180
	23/32	18.26	.7188"		S1605046	S1610046	S1615046
		18.50	.7283"		S1655185	S1660185	S1665185
	47/64"	18.65	.7344"		S1605047	S1610047	S1615047
		19.00	.7480"		S1655190	S1660190	S1665190
	3/4"	19.05	.7500"		S1605048	S1610048	S1615048
	49/64"	19.45	.7656"		S1605049	S1610049	S1615049
		19.50	.7677"		S1655195	S1660195	S1665195
	25/32"	19.84	.7813"		S1605050	S1610050	S1615050
		20.00	.7874"		S1655200	S1660200	S1665200
	51/64"	20.24	.7969"		S1605051	S1610051	S1615051
		20.50	.8071"		S1655205	S1660205	S1665205
	13/16"	20.64	.8125"		S1605052	S1610052	S1615052
		21.00	.8268"		S1655210	S1660210	S1665210
	27/32"	21.43	.8438"		S1605054	S1610054	S1615054
	55/64"	21.83	.8594"		S1605055	S1610055	S1615055
		22.00	.8661"		S1655220	S1660220	S1665220
	7/8"	22.23	.8750"		S1605056	S1610056	S1615056
57/64"	22.62	.8906"	S1605057	S1610057	S1615057		
	23.00	.9055"	S1655230	S1660230	S1665230		
29/32"	23.02	.9063"	S1605058	S1610058	S1615058		
59/64"	23.42	.9219"	S1605059	S1610059	S1615059		
15/16"	23.81	.9375"	S1605060	S1610060	S1615060		
	24.00	.9449"	S1655240	S1660240	S1665240		

◎ : Excellent ○ : Good

Non- alloyed Steels, Free Machining Steels	Carbon Steels		Alloy Steels		High Alloyed steels		Structural Steels		Tool Steels		Stainless Steels	Cast Iron		Aluminum	Copper Alloys
	-HRc24 (-HB250)	-HRc28 (-HB275)	HRc28~ (HB275~)	-HRc28 (-HB275)	HRc28~ (HB275~)	-HRc37 (-HB350)	HRc37~ (HB350~)	-HRc24 (-HB250)	HRc24~ (HB250~)	-HRc13 (-HB200)		HRc13~ (HB200~)	-HRc28 (-HB275)		
												◎	◎		