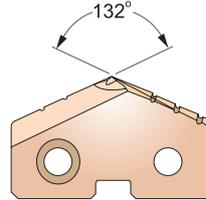


### SM-POINT SPADE DRILL INSERTS FOR CAST IRON - CARBIDE(K10) SM-POINT EINWEG BOHREINSATZ - VOLLHARTMETALL(K10)

- ▶ High performance on Gray cast iron over 220 Brinell, malleable cast iron with short chips, silicon aluminum and copper alloys.
- ▶ Improved stability and hole straightness by newly developed thinning design.
- ▶ Less thrust force and excellent self-centering.
- ▶ Any non-standard size available.

- ▶ Beste Leistung in Grauguss über 220 Brinell, kurzspanendem Kugelgraphitguss, Si-Aluminium und Kupferlegierungen
- ▶ Erhöhte Stabilität und Fluchtgenauigkeit durch neu entwickelte Querschnittdesign
- ▶ Verminderte Bohrkraft und ausgezeichnete Selbstzentrierung
- ▶ 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")	SM605041	SM610041	SM615041
		16.50	.6496"		SM655165	SM660165	SM665165
	21/32"	16.67	.6562"		SM605042	SM610042	SM615042
		17.00	.6693"		SM655170	SM660170	SM665170
	43/64"	17.07	.6719"		SM605043	SM610043	SM615043
	11/16"	17.46	.6875"		SM605044	SM610044	SM615044
<b>1</b> 17.53 (.690") to 24.38 (.960")		17.50	.6890"	4.0 (5/32")	SM655175	SM660175	SM665175
	45/64"	17.86	.7031"		SM605045	SM610045	SM615045
		18.00	.7087"		SM655180	SM660180	SM665180
	23/32"	18.26	.7188"		SM605046	SM610046	SM615046
		18.50	.7283"		SM655185	SM660185	SM665185
	47/64"	18.65	.7344"		SM605047	SM610047	SM615047
		19.00	.7480"		SM655190	SM660190	SM665190
	3/4"	19.05	.7500"		SM605048	SM610048	SM615048
	49/64"	19.45	.7656"		SM605049	SM610049	SM615049
		19.50	.7677"		SM655195	SM660195	SM665195
	25/32"	19.84	.7812"		SM605050	SM610050	SM615050
		20.00	.7874"		SM655200	SM660200	SM665200
	51/64"	20.24	.7969"		SM605051	SM610051	SM615051
		20.50	.8071"		SM655205	SM660205	SM665205
	13/16"	20.64	.8125"		SM605052	SM610052	SM615052
		21.00	.8268"		SM655210	SM660210	SM665210
	27/32"	21.43	.8438"		SM605054	SM610054	SM615054
	55/64"	21.83	.8594"		SM605055	SM610055	SM615055
		22.00	.8661"		SM655220	SM660220	SM665220
	7/8"	22.23	.8750"		SM605056	SM610056	SM615056
57/64"	22.62	.8906"	SM605057	SM610057	SM615057		
	23.00	.9055"	SM655230	SM660230	SM665230		
29/32"	23.02	.9062"	SM605058	SM610058	SM615058		
59/64"	23.42	.9219"	SM605059	SM610059	SM615059		
15/16"	23.81	.9375"	SM605060	SM610060	SM615060		
	24.00	.9449"	SM655240	SM660240	SM665240		

◎ : Excellent ○ : Good

Non-alloy 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~ (-HB350)	-HRc37 (HB350~)	-HRc24 (-HB250)	HRc24~ (-HB250)	-HRc13 (-HB200)	HRc13~ (-HB200)	-HRc28 (-HB275)	-HRc19 (-HB220)	HRc19~ (-HB220)	-HRc8 (-HB180)	-HB110
											◎	◎			