

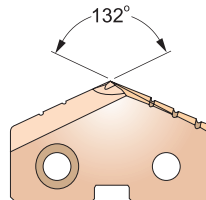
YG SPADE DRILLS

SERIES 0,1

SM-POINT SPADE DRILL INSERTS - CARBIDE(K20)
SM-POINT EINWEG BOHREINSATZ - VOLLHARTMETALL(K20)

- ▶ For use in Gray cast iron up to 220 Brinell, nonferrous metals, copper, brass and aluminum.
- ▶ Improved stability and hole straightness by newly developed thinning design.
- ▶ Less thrust force and excellent self-centering.
- ▶ Any non-standard size available.

- ▶ Zur Anwendung in Grauguss bis 220 Brinell, Nichteisen - Metallen, Kupfer, Messing und Aluminium
- ▶ Erhöhte Stabilität und Fluchtgenauigkeit durch neu entwickelte Querschnittsgeometrie
- ▶ 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. CARBIDE (K20)				
	Inch (inch)	Metric (mm)	Decimal (inch)		TiN	TiCN	TiAlN		
0 12.98(.511") to 17.65(.695")	41/64"	16.27	.6406"	3.2 (1/8")	SM705041	SM710041	SM715041		
		16.50	.6496"		SM755165	SM760165	SM765165		
	21/32"	16.67	.6562"		SM705042	SM710042	SM715042		
		17.00	.6693"		SM755170	SM760170	SM765170		
	43/64"	17.07	.6719"		SM705043	SM710043	SM715043		
		11/16"	17.46		.6875"	SM705044	SM710044	SM715044	
			17.50		.6890"	SM755175	SM760175	SM765175	
	1 17.53 (.690") to 24.38 (.960")	45/64"	17.86		.7031"	4.0 (5/32")	SM705045	SM710045	SM715045
			18.00		.7087"		SM755180	SM760180	SM765180
		23/32"	18.26		.7188"		SM705046	SM710046	SM715046
18.50			.7283"	SM755185	SM760185		SM765185		
47/64"		18.65	.7344"	SM705047	SM710047		SM715047		
		3/4"	19.00	.7480"	SM755190		SM760190	SM765190	
49/64"			19.05	.7500"	SM705048		SM710048	SM715048	
			19.45	.7656"	SM705049		SM710049	SM715049	
		19.50	.7677"	SM755195	SM760195		SM765195		
25/32"		19.84	.7812"	SM705050	SM710050		SM715050		
		20.00	.7874"	SM755200	SM760200		SM765200		
51/64"		20.24	.7969"	SM705051	SM710051		SM715051		
		20.50	.8071"	SM755205	SM760205		SM765205		
13/16"		20.64	.8125"	SM705052	SM710052		SM715052		
		21.00	.8268"	SM755210	SM760210		SM765210		
27/32"		21.43	.8438"	SM705054	SM710054		SM715054		
		55/64"	21.83	.8594"	SM705055		SM710055	SM715055	
			22.00	.8661"	SM755220		SM760220	SM765220	
7/8"	22.23	.8750"	SM705056	SM710056	SM715056				
	57/64"	22.62	.8906"	SM705057	SM710057	SM715057			
		23.00	.9055"	SM755230	SM760230	SM765230			
29/32"	23.02	.9062"	SM705058	SM710058	SM715058				
	59/64"	23.42	.9219"	SM705059	SM710059	SM715059			
15/16"		23.81	.9375"	SM705060	SM710060	SM715060			
		24.00	.9449"	SM755240	SM760240	SM765240			

◎ : 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)		
○	○	○	○	○	◎	◎	○	○	○	○	◎	○	○	◎	◎