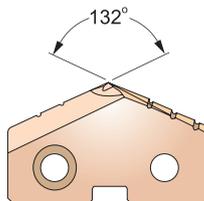


**SM-POINT SPADE DRILL INSERTS - PREMIUM HSS M48**  
**SM-POINT EINWEG BOHREINSATZ - PREMIUM HSS M48**

- ▶ For use in high temperature alloys and materials with 350~500 Brinell.
- ▶ Improved stability and hole straightness by newly developed thinning design.
- ▶ Less thrust force and excellent self-centering.
- ▶ Any non-standard size available.

- ▶ Zur Anwendung bei hitzebeständigen Legierungen und Werkstoffen mit 350 - 500 Brinell
- ▶ Erhöhte Stabilität und Fluchtgenauigkeit durch neu entwickelte Querschnidengeometrie
- ▶ Verminderte Bohrkraft und ausgezeichnete Selbstzentrierung
- ▶ Jede Abmessung außerhalb des Kataloges lieferbar



cutting conditions : p.283

Series Min. to Max. (mm/inch)	Diameter			Thick Metric (mm/inch)	EDP No.				
	Inch (inch)	Metric (mm)	Decimal (inch)		PREMIUM HSS (M48)				
					TiN	TiCN	TiAlN		
<b>0</b>  12.98(.511") to 17.65(.695")	41/64"	16.27	.6406"	3.2 (1/8")	SM505041	SM510041	SM515041		
		16.50	.6496"		SM555165	SM560165	SM565165		
	21/32"	16.67	.6562"		SM505042	SM510042	SM515042		
		17.00	.6693"		SM555170	SM560170	SM565170		
	43/64"	17.07	.6719"		SM505043	SM510043	SM515043		
		11/16"	17.46		.6875"	SM505044	SM510044	SM515044	
			17.50		.6890"	SM555175	SM560175	SM565175	
	<b>1</b>  17.53 (.690") to 24.38 (.960")	45/64"	17.86		.7031"	4.0 (5/32")	SM505045	SM510045	SM515045
			18.00		.7087"		SM555180	SM560180	SM565180
		23/32"	18.26		.7188"		SM505046	SM510046	SM515046
18.50			.7283"	SM555185	SM560185		SM565185		
47/64"		18.65	.7344"	SM505047	SM510047		SM515047		
		19.00	.7480"	SM555190	SM560190		SM565190		
3/4"		19.05	.7500"	SM505048	SM510048		SM515048		
		49/64"	19.45	.7656"	SM505049		SM510049	SM515049	
			19.50	.7677"	SM555195		SM560195	SM565195	
25/32"		19.84	.7812"	SM505050	SM510050		SM515050		
		20.00	.7874"	SM555200	SM560200		SM565200		
51/64"		20.24	.7969"	SM505051	SM510051		SM515051		
		20.50	.8071"	SM555205	SM560205		SM565205		
13/16"		20.64	.8125"	SM505052	SM510052		SM515052		
		21.00	.8268"	SM555210	SM560210		SM565210		
27/32"		21.43	.8438"	SM505054	SM510054		SM515054		
		55/64"	21.83	.8594"	SM505055		SM510055	SM565055	
			22.00	.8661"	SM555220		SM560220	SM565220	
7/8"	22.23	.8750"	SM505056	SM510056	SM515056				
	57/64"	22.62	.8906"	SM505057	SM510057	SM515057			
		23.00	.9055"	SM555230	SM560230	SM565230			
29/32"	23.02	.9062"	SM505058	SM510058	SM515058				
	59/64"	23.42	.9219"	SM505059	SM510059	SM515059			
15/16"		23.81	.9375"	SM505060	SM510060	SM515060			
		24.00	.9449"	SM555240	SM560240	SM565240			

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