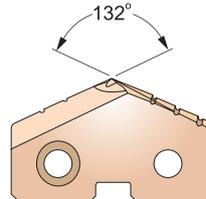


SM-POINT SPADE DRILL INSERTS - PREMIUM HSS M48 SM-POINT EINWEG BOHREINSATZ - PREMIUM HSS M48

- ▶ 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 Querschnitengeometrie
- ▶ 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	
Y 9.50 (.374") to 11.07 (.436")	3/8"	9.50	.3740"	2.4 (3/32")	SM555095	SM560095	SM565095	
		9.53	.3750"		SM505024	SM510024	SM515024	
	25/64"	9.80	.3858"		SM555098	SM560098	SM565098	
		9.92	.3906"		SM505025	SM510025	SM515025	
	13/32"	10.00	.3937"		SM555100	SM560100	SM565100	
		10.20	.4016"		SM555102	SM560102	SM565102	
		10.32	.4062"		SM505026	SM510026	SM515026	
		10.50	.4134"		SM555105	SM560105	SM565105	
		27/64"	10.72		.4219"	SM505027	SM510027	SM515027
		10.80	.4252"		SM555108	SM560108	SM565108	
Z 11.11(.437") to 12.95(.510")	7/16"	11.00	.4331"	2.4 (3/32")	SM555110	SM560110	SM565110	
		11.11	.4375"		SM505028	SM510028	SM515028	
	29/64"	11.50	.4528"		SM555115	SM560115	SM565115	
		11.51	.4531"		SM505029	SM510029	SM515029	
	15/32"	11.91	.4688"		SM505030	SM510030	SM515030	
		12.00	.4724"		SM555120	SM560120	SM565120	
	31/64"	12.30	.4844"		SM505031	SM510031	SM515031	
1/2"	12.50	.4921"	SM555125	SM560125	SM565125			
	12.70	.5000"	SM505032	SM510032	SM515032			
0 12.98 (.511") to 17.65 (.695")	33/64"	13.00	.5118"	3.2 (1/8")	SM555130	SM560130	SM565130	
		13.10	.5156"		SM505033	SM510033	SM515033	
	17/32"	13.49	.5312"		SM555135	SM560135	SM565135	
		13.50	.5315"		SM505034	SM510034	SM515034	
	35/64"	13.89	.5469"		SM555140	SM560140	SM565140	
		14.00	.5512"		SM505035	SM510035	SM515035	
	9/16"	14.29	.5625"		SM555145	SM560145	SM565145	
		14.50	.5709"		SM505036	SM510036	SM515036	
	37/64"	14.68	.5781"		SM555150	SM560150	SM565150	
		15.00	.5906"		SM505037	SM510037	SM515037	
	19/32"	15.08	.5938"		SM555155	SM560155	SM565155	
		15.48	.6094"		SM505038	SM510038	SM515038	
	39/64"	15.50	.6102"		SM555160	SM560160	SM565160	
15.88		.6250"	SM505039	SM510039	SM515039			
5/8"	15.50	.6102"	SM555155	SM560155	SM565155			
	15.88	.6250"	SM505040	SM510040	SM515040			
	16.00	.6299"	SM555160	SM560160	SM565160			

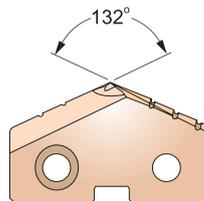
◎ : Excellent ○ : Good

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)	-HRc19 (-HB220)	HRc19~ (HB220~)	-HRc8 (-HB180)	-HB110
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	○	○	○	○	○

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

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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		
0 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	
	1 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)		
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	○	◎	○	○