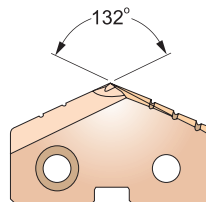


**SM-POINT SPADE DRILL INSERTS - CARBIDE(P40)**  
**SM-POINT EINWEG BOHREINSATZ - VOLLHARTMETALL(P40)**

- ▶ For general use in carbon steels and alloys steels.
- ▶ Improved stability and hole straightness by newly developed thinning design.
- ▶ Less thrust force and excellent self-centering.
- ▶ Any non-standard size available.

- ▶ Für allgemeine Anwendung in Kohlenstoffstählen und legierten Stählen
- ▶ Erhöhte Stabilität und Fluchtgenauigkeit durch neu entwickelte Querschneidengeometrie
- ▶ 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 (P40)			
	Inch (inch)	Metric (mm)	Decimal (inch)		TiN	TiCN	TiAlN	
<b>0</b>  12.98(.511") to 17.65(.695")	41/64"	16.27	.6406"	3.2 (1/8")	SM805041	SM810041	SM815041	
		16.50	.6496"		SM855165	SM860165	SM865165	
	21/32"	16.67	.6562"		SM805042	SM810042	SM815042	
		17.00	.6693"		SM855170	SM860170	SM865170	
	43/64"	17.07	.6719"		SM805043	SM810043	SM815043	
		17.46	.6875"		SM805044	SM810044	SM815044	
		17.50	.6890"		SM855175	SM860175	SM815175	
	<b>1</b>  17.53 (.690") to 24.38 (.960")	45/64"	17.86		.7031"	SM805045	SM810045	SM815045
			18.00		.7087"	SM855180	SM860180	SM865180
		23/32"	18.26		.7188"	SM805046	SM810046	SM815046
18.50			.7283"	SM855185	SM860185	SM865185		
47/64"		18.65	.7344"	SM805047	SM810047	SM815047		
		19.00	.7480"	SM855190	SM860190	SM865190		
3/4"		19.05	.7500"	SM805048	SM810048	SM815048		
		19.45	.7656"	SM805049	SM810049	SM815049		
		19.50	.7677"	SM855195	SM860195	SM865195		
25/32"		19.84	.7812"	SM805050	SM810050	SM815050		
		20.00	.7874"	SM855200	SM860200	SM865200		
51/64"		20.24	.7969"	SM805051	SM810051	SM815051		
		20.50	.8071"	SM855205	SM860205	SM865205		
13/16"		20.64	.8125"	SM805052	SM810052	SM815052		
		21.00	.8268"	SM855210	SM860210	SM865210		
27/32"		21.43	.8438"	SM805054	SM810054	SM815054		
		21.83	.8594"	SM805055	SM810055	SM815055		
		22.00	.8661"	SM855220	SM860220	SM865220		
7/8"	22.23	.8750"	SM805056	SM810056	SM815056			
	22.62	.8906"	SM805057	SM810057	SM815057			
57/64"	23.00	.9055"	SM855230	SM860230	SM865230			
29/32"	23.02	.9062"	SM805058	SM810058	SM815058			
	23.42	.9219"	SM805059	SM810059	SM815059			
59/64"	23.42	.9219"	SM805060	SM810060	SM815060			
	23.81	.9375"	SM855240	SM860240	SM865240			
	24.00	.9449"						

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