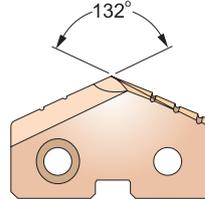


SPADE DRILL INSERTS - PREMIUM HSS M48 EINWEG BOHREINSATZ - PREMIUM HSS M48

- ▶ For use in high temperature alloys and materials with 350~500 Brinell.
- ▶ Set up time can be reduced due to changing inserts easily on the machine.
- ▶ Any non-standard size available.

- ▶ Zur Anwendung bei hitzebeständigen Legierungen und Werkstoffen mit 350 - 500 Brinell
- ▶ Reduzierte Rüstzeiten, einfacher Einsatzwechsel auf der Maschine
- ▶ 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")	S1555095	S1560095	S1565095
		9.53	.3750"		S1505024	S1510024	S1515024
	25/64"	9.80	.3860"		S1555098	S1560098	S1565098
		9.92	.3906"		S1505025	S1510025	S1515025
	13/32"	10.00	.3937"		S1555100	S1560100	S1565100
		10.20	.4016"		S1555102	S1560102	S1565102
	27/64"	10.32	.4063"		S1505026	S1510026	S1515026
		10.50	.4134"		S1555105	S1560105	S1565105
	11.00	10.72	.4219"		S1505027	S1510027	S1515027
		10.80	.4252"		S1555108	S1560108	S1565108
Z 11.11(.437") to 12.95(.510")	7/16"	11.00	.4331"	2.4 (3/32")	S1555110	S1560110	S1565110
		11.11	.4375"		S1505028	S1510028	S1515028
	29/64"	11.50	.4528"		S1555115	S1560115	S1565115
		11.51	.4531"		S1505029	S1510029	S1515029
	15/32"	11.91	.4688"		S1505030	S1510030	S1515030
		12.00	.4724"		S1555120	S1560120	S1565120
	31/64"	12.30	.4844"		S1505031	S1510031	S1515031
12.50		.4921"	S1555125	S1560125	S1565125		
1/2"	12.70	.5000"	S1505032	S1510032	S1515032		
0 12.98 (.511") to 17.65 (.695")	33/64"	13.00	.5118"	3.2 (1/8")	S1555130	S1560130	S1565130
		13.10	.5156"		S1505033	S1510033	S1515033
	17/32"	13.49	.5313"		S1505034	S1510034	S1515034
		13.50	.5315"		S1555135	S1560135	S1565135
	35/64"	13.89	.5469"		S1505035	S1510035	S1515035
		14.00	.5512"		S1555140	S1560140	S1565140
	9/16"	14.29	.5625"		S1505036	S1510036	S1515036
		14.50	.5709"		S1555145	S1560145	S1565145
	37/64"	14.68	.5781"		S1505037	S1510037	S1515037
		15.00	.5906"		S1555150	S1560150	S1565150
	19/32"	15.08	.5938"		S1505038	S1510038	S1515038
		15.48	.6094"		S1505039	S1510039	S1515039
	39/64"	15.50	.6102"		S1555155	S1560155	S1565155
15.88		.6250"	S1505040	S1510040	S1515040		
5/8"	16.00	.6299"	S1555160	S1560160	S1565160		

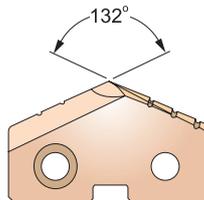
◎ : Excellent ○ : Good

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

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

- ▶ For use in high temperature alloys and materials with 350~500 Brinell.
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- ▶ Any non-standard size available.

- ▶ Zur Anwendung bei hitzebeständigen Legierungen und Werkstoffen mit 350 - 500 Brinell
- ▶ Reduzierte Rüstzeiten, einfacher Einsatzwechsel auf der Maschine
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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")	S1505041	S1510041	S1515041
		16.50	.6496"		S1555165	S1560165	S1565165
	21/32"	16.67	.6563"		S1505042	S1510042	S1515042
		17.00	.6693"		S1555170	S1560170	S1565170
	43/64"	17.07	.6719"		S1505043	S1510043	S1515043
	11/16"	17.46	.6875"		S1505044	S1510044	S1515044
		17.50	.6890"		S1555175	S1560175	S1565175
	45/64"	17.86	.7031"		S1505045	S1510045	S1515045
		18.00	.7087"		S1555180	S1560180	S1565180
	23/32"	18.26	.7188"		S1505046	S1510046	S1515046
	18.50	.7283"	S1555185	S1560185	S1565185		
47/64"	18.65	.7344"	S1505047	S1510047	S1515047		
	19.00	.7480"	S1555190	S1560190	S1565190		
3/4"	19.05	.7500"	S1505048	S1510048	S1515048		
49/64"	19.45	.7656"	S1505049	S1510049	S1515049		
	19.50	.7677"	S1555195	S1560195	S1565195		
1 17.53 (.690") to 24.38 (.960")	25/32"	19.84	.7813"	4.0 (5/32")	S1505050	S1510050	S1515050
		20.00	.7874"		S1555200	S1560200	S1565200
	51/64"	20.24	.7969"		S1505051	S1510051	S1515051
		20.50	.8071"		S1555205	S1560205	S1565205
	13/16"	20.64	.8125"		S1505052	S1510052	S1515052
		21.00	.8268"		S1555210	S1560210	S1565210
	27/32"	21.43	.8438"		S1505054	S1510054	S1515054
	55/64"	21.83	.8594"		S1505055	S1510055	S1515055
		22.00	.8661"		S1555220	S1560220	S1565220
	7/8"	22.23	.8750"		S1505056	S1510056	S1515056
	57/64"	22.62	.8906"		S1505057	S1510057	S1515057
		23.00	.9055"		S1555230	S1560230	S1565230
	29/32"	23.02	.9063"		S1505058	S1510058	S1515058
59/64"	23.42	.9219"	S1505059	S1510059	S1515059		
15/16"	23.81	.9375"	S1505060	S1510060	S1515060		
	24.00	.9449"	S1555240	S1560240	S1565240		

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