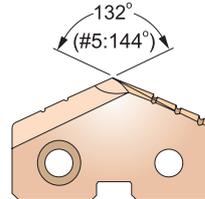


SPADE DRILL INSERTS - HSS M4 EINWEG BOHREINSATZ - HSS M4

- ▶ For general use in steels and cast irons.
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- ▶ Any non-standard size available.

- ▶ Für allgemeine Anwendung in Stahl und Gusseisen
- ▶ 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. HSS (M4)		
	Inch (inch)	Metric (mm)	Decimal (inch)		TiN	TiCN	TiAlN
4 46.99 (1.850") to 65.28 (2.570")	2-1/4"	57.15	2.2500"	7.9 (5/16")	S1405216	S1410216	S1415216
	2-9/32"	57.94	2.2813"		S1405218	S1410218	S1415218
		58.00	2.2835"		S1455580	S1460580	S1465580
	2-5/16"	58.74	2.3125"		S1405220	S1410220	S1415220
		59.00	2.3228"		S1455590	S1460590	S1465590
	2-11/32"	59.53	2.3438"		S1405222	S1410222	S1415222
		60.00	2.3622"		S1455600	S1460600	S1465600
	2-3/8"	60.33	2.3750"		S1405224	S1410224	S1415224
		61.00	2.4016"		S1455610	S1460610	S1465610
	2-13/32"	61.12	2.4063"		S1405226	S1410226	S1415226
	2-7/16"	61.91	2.4375"		S1405228	S1410228	S1415228
		62.00	2.4409"		S1455620	S1460620	S1465620
	2-15/32"	62.71	2.4688"		S1405230	S1410230	S1415230
		63.00	2.4803"		S1455630	S1460630	S1465630
2-1/2"	63.50	2.5000"	S1405232	S1410232	S1415232		
	64.00	2.5197"	S1455640	S1460640	S1465640		
2-17/32"	64.29	2.5313"	S1405234	S1410234	S1415234		
	65.00	2.5591"	S1455650	S1460650	S1465650		
2-9/16"	65.09	2.5625"	S1405236	S1410236	S1415236		
5 62.38 (2.456") to 76.20 (3.000")	2-1/2"	63.50	2.5000"	11.1 (7/16")	S14052D2	S14102D2	S14152D2
		64.00	2.5197"		S145564A	S146064A	S146564A
	2-17/32"	64.29	2.5313"		S14052D4	S14102D4	S14152D4
	2-9/16"	65.09	2.5625"		S14052D6	S14102D6	S14152D6
	2-19/32"	65.88	2.5938"		S1405238	S1410238	S1415238
		66.00	2.5984"		S1455660	S1460660	S1465660
	2-5/8"	66.68	2.6250"		S1405240	S1410240	S1415240
	2-21/32"	67.47	2.6563"		S1405242	S1410242	S1415242
		68.00	2.6772"		S1455680	S1460680	S1465680
	2-11/16"	68.26	2.6875"		S1405244	S1410244	S1415244
	2-23/32"	69.05	2.7188"		S1405246	S1410246	S1415246
		69.85	2.7500"		S1405248	S1410248	S1415248
		70.00	2.7559"		S1455700	S1460700	S1465700
	2-25/32"	70.64	2.7813"		S1405250	S1410250	S1415250
2-13/16"	71.44	2.8125"	S1405252	S1410252	S1415252		

◎ : 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)
○	○	○	○		○		○	○			◎	◎	○	◎	◎

SPADE DRILL INSERTS - HSS M4
EINWEG BOHREINSATZ - HSS M4

- ▶ For general use in steels and cast irons.
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- ▶ Für allgemeine Anwendung in Stahl und Gusseisen
- ▶ 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. HSS (M4)		
	Inch (inch)	Metric (mm)	Decimal (inch)		TiN	TiCN	TiAlN
5 62.38 (2.456") to 76.20 (3.000")		72.00	2.8346"	11.1 (7/16")	S1455720	S1460720	S1465720
	2-27/32"	72.23	2.8438"		S1405254	S1410254	S1415254
	2-7/8"	73.03	2.8750"		S1405256	S1410256	S1415256
	2-29/32"	73.82	2.9063"		S1405258	S1410258	S1415258
		74.00	2.9134"		S1455740	S1460740	S1465740
	2-15/16"	74.61	2.9375"		S1405260	S1410260	S1415260
	2-31/32"	75.41	2.9688"		S1405262	S1410262	S1415262
		76.00	2.9921"		S1455760	S1460760	S1465760
	3"	76.20	3.0000"		S1405300	S1410300	S1415300
	6 76.23 (3.001") to 89.08 (3.507")	3-1/32"	76.99		3.0313"	11.1 (7/16")	S1405302
3-1/16"		77.79	3.0625"	S1405304	S1410304		S1415304
		78.00	3.0709"	S1455780	S1460780		S1465780
3-3/32"		78.58	3.0938"	S1405306	S1410306		S1415306
3-1/8"		79.38	3.1250"	S1405308	S1410308		S1415308
		80.00	3.1496"	S1455800	S1460800		S1465800
3-5/32"		80.17	3.1563"	S1405310	S1410310		S1415310
3-3/16"		80.96	3.1875"	S1405312	S1410312		S1415312
3-7/32"		81.76	3.2188"	S1405314	S1410314		S1415314
		82.00	3.2283"	S1455820	S1460820		S1465820
3-1/4"		82.55	3.2500"	S1405316	S1410316		S1415316
3-9/32"		83.34	3.2813"	S1405318	S1410318		S1415318
		84.00	3.3071"	S1455840	S1460840		S1465840
3-5/16"		84.14	3.3125"	S1405320	S1410320		S1415320
3-11/32"		84.93	3.3438"	S1405322	S1410322		S1415322
3-3/8"		85.73	3.3750"	S1405324	S1410324		S1415324
		86.00	3.3858"	S1455860	S1460860		S1465860
3-13/32"		86.52	3.4063"	S1405326	S1410326		S1415326
3-7/16"	87.31	3.4375"	S1405328	S1410328	S1415328		
	88.00	3.4646"	S1455880	S1460880	S1465880		
3-15/32"	88.11	3.4688"	S1405330	S1410330	S1415330		
3-1/2"	88.90	3.5000"	S1405332	S1410332	S1415332		
7	3-17/32"	89.69	3.5313"	11.1 (7/16")	S1405334	S1410334	S1415334
		90.00	3.5433"		S1455900	S1460900	S1465900
	3-9/16"	90.49	3.5625"		S1405336	S1410336	S1415336

◎ : 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
	○	○	○	○	○	○	○	○	○	○	○	◎	◎	○	◎	◎