



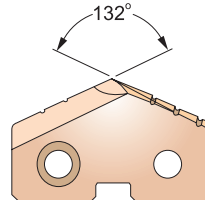
SPADE DRILLS

SERIES **3,4**

SPADE DRILL INSERTS - SUPER HSS T15 EINWEG BOHREINSATZ - SUPER HSS T15

- For use in high nickel alloys and materials over 280 Brinell.
- Set up time can be reduced due to changing inserts easily on the machine.
- Any non-standard size available.

- Zur Anwendung bei legierten Stählen mit hohem Nickelanteil und Werkstoffen über 280 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)		SUPER HSS (T15)		
					TiN	TiCN	TiAlN
3 34.37 (1.353") to 47.80 (1.882")	1-1/2"	38.10	1.5000"	6.4 [1/4"]	S1105132	S1110132	S1115132
	1-17/32"	38.89	1.5313"		S1105134	S1110134	S1115134
		39.00	1.5354"		S1155390	S1160390	S1165390
	1-9/16"	39.69	1.5625"		S1105136	S1110136	S1115136
		40.00	1.5748"		S1155400	S1160400	S1165400
	1-19/32"	40.48	1.5938"		S1105138	S1110138	S1115138
		41.00	1.6142"		S1155410	S1160410	S1165410
	1-5/8"	41.28	1.6250"		S1105140	S1110140	S1115140
		42.00	1.6535"		S1155420	S1160420	S1165420
	1-21/32"	42.07	1.6563"		S1105142	S1110142	S1115142
	1-11/16"	42.86	1.6875"		S1105144	S1110144	S1115144
		43.00	1.6929"		S1155430	S1160430	S1165430
	1-23/32"	43.66	1.7188"		S1105146	S1110146	S1115146
		44.00	1.7323"		S1155440	S1160440	S1165440
	1-3/4"	44.45	1.7500"		S1105148	S1110148	S1115148
		45.00	1.7717"		S1155450	S1160450	S1165450
	1-25/32"	45.24	1.7813"		S1105150	S1110150	S1115150
		46.00	1.8110"		S1155460	S1160460	S1165460
4 46.99 (1.850") to 65.28 (2.570")	1-13/16"	46.04	1.8125"	7.9 [5/16"]	S1105152	S1110152	S1115152
	1-27/32"	46.83	1.8438"		S1105154	S1110154	S1115154
		47.00	1.8504"		S1155470	S1160470	S1165470
	1-7/8"	47.63	1.8750"		S1105156	S1110156	S1115156
		48.00	1.8898"		S1155480	S1160480	S1165480
	1-29/32"	48.42	1.9063"		S1105158	S1110158	S1115158
		49.00	1.9291"		S1155490	S1160490	S1165490
	1-15/16"	49.21	1.9375"		S1105160	S1110160	S1115160
		50.00	1.9685"		S1155500	S1160500	S1165500
	1-31/32"	50.01	1.9688"		S1105162	S1110162	S1115162
	2"	50.80	2.0000"		S1105200	S1110200	S1115200
		51.00	2.0079"		S1155510	S1160510	S1165510
	2-1/32"	51.59	2.0313"		S1105202	S1110202	S1115202
	2-3/64"	52.00	2.0472"		S1105203	S1110203	S1115203
	2-1/16"	52.39	2.0625"		S1105204	S1110204	S1115204
		53.00	2.0866"		S1155530	S1160530	S1165530

◎ : 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
◎	◎	◎	◎	○	○	○	◎	◎	○	○	○	○	◎	○	○

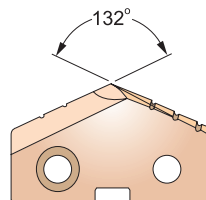


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EINWEG BOHREINSATZ - SUPER HSS T15

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	Inch (inch)	Metric (mm)	Decimal (inch)		SUPER HSS (T15)		
					TiN	TiCN	TiAlN
4 46.99 (1.850") to 65.28 (2.570")	2-3/32"	53.18	2.0938"	7.9 (5/16")	S1105206	S1110206	S1115206
	2-1/8"	53.98	2.1250"		S1105208	S1110208	S1115208
		54.00	2.1260"		S1155540	S1160540	S1165540
	2-5/32"	54.79	2.1563"		S1105210	S1110210	S1115210
		55.00	2.1654"		S1155550	S1160550	S1165550
	2-3/16"	55.56	2.1875"		S1105212	S1110212	S1115212
		56.00	2.2047"		S1155560	S1160560	S1165560
	2-7/32"	56.36	2.2188"		S1105214	S1110214	S1115214
		57.00	2.2441"		S1155570	S1160570	S1165570
	2-1/4"	57.15	2.2500"		S1105216	S1110216	S1115216
	2-9/32"	57.94	2.2813"		S1105218	S1110218	S1115218
		58.00	2.2835"		S1155580	S1160580	S1165580
	2-5/16"	58.74	2.3125"		S1105220	S1110220	S1115220
		59.00	2.3228"		S1155590	S1160590	S1165590
	2-11/32"	59.53	2.3438"		S1105222	S1110222	S1115222
		60.00	2.3622"		S1155600	S1160600	S1165600
	2-3/8"	60.33	2.3750"		S1105224	S1110224	S1115224
		61.00	2.4016"		S1155610	S1160610	S1165610
	2-13/32"	61.12	2.4063"		S1105226	S1110226	S1115226
	2-7/16"	61.91	2.4375"		S1105228	S1110228	S1115228
		62.00	2.4409"		S1155620	S1160620	S1165620
	2-15/32"	62.71	2.4688"		S1105230	S1110230	S1115230
		63.00	2.4803"		S1155630	S1160630	S1165630
	2-1/2"	63.50	2.5000"		S1105232	S1110232	S1115232
		64.00	2.5197"		S1155640	S1160640	S1165640
	2-17/32"	64.29	2.5313"		S1105234	S1110234	S1115234
		65.00	2.5591"		S1155650	S1160650	S1165650
	2-9/16"	65.09	2.5625"		S1105236	S1110236	S1115236

◎ : 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	
◎	◎	◎	◎	○	○	○	◎	◎	○	○	○	○	◎	○	○	