

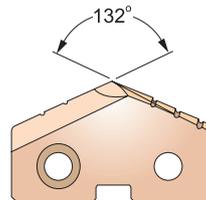
**YG SPADE DRILLS**

**SERIES Y,Z,0**

**SPADE DRILL INSERTS FOR CAST IRON - CARBIDE(K10)  
EINWEG BOHREINSATZ - VOLLHARTMETALL(K10)**

- ▶ High performance on Gray cast iron over 220 Brinell, malleable cast iron with short chips, silicon aluminum and copper alloys.
- ▶ Set up time can be reduced due to changing inserts easily on the machine.
- ▶ Any non-standard size available.

- ▶ Beste Leistung in Grauguss über 220 Brinell, kurzspanendem Kugelgraphitguss, Si-Aluminium und Kupferlegierungen
- ▶ Reduzierte Rüstzeiten, einfacher Einsatzwechsel auf der Maschine
- ▶ Jede Abmessung außerhalb des Kataloges lieferbar



cutting conditions : p.284

Series Min. to Max. (mm/inch)	Diameter			Thick Metric (mm/inch)	EDP No. CARBIDE (K10)		
	Inch (inch)	Metric (mm)	Decimal (inch)		TiN	TiCN	TiAlN
<b>Y</b>  9.50 (.374") to 11.07 (.436")	3/8"	9.50	.3740"	2.4 (3/32")	S1655095	S1660095	S1665095
		9.53	.3750"		S1605024	S1610024	S1615024
	25/64"	9.80	.3860"		S1655098	S1660098	S1665098
		9.92	.3906"		S1605025	S1610025	S1615025
	13/32"	10.00	.3937"		S1655100	S1660100	S1665100
		10.20	.4016"		S1655102	S1660102	S1665102
	27/64"	10.32	.4063"		S1605026	S1610026	S1615026
		10.50	.4134"		S1655105	S1660105	S1665105
	11.07	10.72	.4219"		S1605027	S1610027	S1615027
		10.80	.4252"		S1655108	S1660108	S1665108
<b>Z</b>  11.11(.437") to 12.95(.510")	7/16"	11.00	.4331"	2.4 (3/32")	S1655110	S1660110	S1665110
		11.11	.4375"		S1605028	S1610028	S1615028
	29/64"	11.50	.4528"		S1655115	S1660115	S1665115
		11.51	.4531"		S1605029	S1610029	S1615029
	15/32"	11.91	.4688"		S1605030	S1610030	S1615030
		12.00	.4724"		S1655120	S1660120	S1665120
	31/64"	12.30	.4844"		S1605031	S1610031	S1615031
		12.50	.4921"		S1655125	S1660125	S1665125
	1/2"	12.70	.5000"		S1605032	S1610032	S1615032
		13.00	.5118"		S1655130	S1660130	S1665130
<b>0</b>  12.98 (.511") to 17.65 (.695")	33/64"	13.10	.5156"	3.2 (1/8")	S1605033	S1610033	S1615033
		13.49	.5313"		S1605034	S1610034	S1615034
	17/32"	13.50	.5315"		S1655135	S1660135	S1665135
		13.89	.5469"		S1605035	S1610035	S1615035
	9/16"	14.00	.5512"		S1655140	S1660140	S1665140
		14.29	.5625"		S1605036	S1610036	S1615036
	37/64"	14.50	.5709"		S1655145	S1660145	S1665145
		14.68	.5781"		S1605037	S1610037	S1615037
	19/32"	15.00	.5906"		S1655150	S1660150	S1665150
		15.08	.5938"		S1605038	S1610038	S1615038
39/64"	15.48	.6094"	S1605039	S1610039	S1615039		
	15.50	.6102"	S1655155	S1660155	S1665155		
5/8"	15.88	.6250"	S1605040	S1610040	S1615040		
	16.00	.6299"	S1655160	S1660160	S1665160		

◎ : 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)		
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