



Garant NC spotting drill plain shank

≥ Ø 6 mm with **drive flat to DIN 1835-B**.

Precision centred ground point with thin chisel edge - gives easy spot drilling and high accuracy of the centre hole form. Very sturdy due to short flutes.

11 2060 – **High-performance NC spotting drill.**

Tool substrate made of sintered powder metallurgy **for applications** demanding high standards of tool life and accurate centring. Very good wear resistance in stainless steels.

Note: Use speed for the actual hole Ø (not necessarily the speed for the drill outer Ø).



11 2000



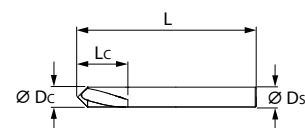
11 2020



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11 2100



Suitable for/ v _c [m/min]	Alu plastics	Alu cast > 10 % Si	Alu cast < 10 % Si	St < 500 N	St < 750 N	St < 900 N	St < 1100 N	St < 1400 N	St < 55 HRC	St < 60 HRC	St < 65 HRC	St < 67 HRC	INOX < 900 N	INOX > 900 N	Ti > 850 N	Gg(G)	CuZn	Uni	Oil	Water	Air	High Speed	High Temp
ISO code	N	N	N	P	P	P	P	P	H	H	H	H	M	M	S	K	N						
11 2000	70	45		40	30	25	10	8					12	8			80	•	•	•			
11 2020/2100	87	56	50	50	37	31	12	10					15	10	6	31	100	•	•	•			
11 2060	96	62	55	55	42	35	14	12					18	13	8	35	112	•	•	•			

Ø D_c h6

11 2000

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L

Ø D_s

f

NC spotting drill HSS-E

NC spotting drill
HSS-E-PMNC spotting drill
HSS-E

90° N					11 2000 11 2020 11 2060	11 2100			
mm		TiAIN	TiAIN	TiAIN	mm	mm	mm	mm	mm/rev.
3	eShop	eShop	eShop	eShop	12	46	80	3	0.03
4	eShop	eShop	eShop	eShop	12	55	100	4	0.03
5	eShop	eShop	eShop	eShop	15	60	120	5	0.04
6	eShop	eShop	eShop	eShop	20	66	140	6	0.05
8	eShop	eShop	eShop	eShop	25	79	140	8	0.07
10	eShop	eShop	eShop	eShop	25	89	170	10	0.07
12	eShop	eShop	eShop	eShop	30	102	170	12	0.07
16	eShop	eShop	eShop	eShop	35	115	200	16	0.07
20	eShop	eShop	eShop	eShop	40	131	200	20	0.07



Garant NC spotting drill sets

With drive flats to DIN 1835-B. Precision centred ground point with thin chisel edge – gives easy spot drilling and high accuracy of the centre hole form. Very sturdy due to short flutes.

Supplied with: 4-piece set of NC spotting drills in a plastic box.

Note: Use speed for the actual hole Ø
(not generally the speed for the drill outer Ø).

Type			6-12
TiA 11 2107	NC spotting drill HSS-E No. 112000 with plastic box 90°		eShop
TiA 11 2108	NC spotting drill HSS-E No. 112020 with plastic box 90°	TiAIN	eShop
Content: 1 each NC spotting drills			Size 6; 8; 10; 12.

