

Product no. **630090**

## 90° CNC CARBIDE SPOTTING DRILL

Ø	Overall Length	Flute Length	Price £ each
6	60	20	14.73
8	63	22	16.65
10	72	23	17.64
12	83	25	25.66
16	92	28	46.07
20	104	30	79.17

Various coatings available.  
Price and delivery on request.



Submicron grade carbide  
Works standard

High performance spotting drills, particularly suitable for centring in exotic materials.

Product no. **630120**

## 120° CNC CARBIDE SPOTTING DRILL

Ø	Overall Length	Flute Length	Price £ each
6	60	20	14.73
8	63	22	16.65
10	72	23	17.64
12	83	25	25.66
16	92	28	46.07
20	104	30	79.17

Various coatings available.  
Price and delivery on request.



Submicron grade carbide  
Works standard

High performance spotting drills, particularly suitable for centring in exotic materials.

	Unalloyed Steel	Heat Treatable Steel	Heat Treatable Steel		Stainless Steel		Special Nickel & Titanium		Short Chipping	Long Chipping	Cast Iron & SG Iron	
	200-400 N/mm <sup>2</sup>	400-900 N/mm <sup>2</sup>	900-1400 N/mm <sup>2</sup>	Tool Steels 40 - 50 HRC	Ferric & Martensitic	Austenitic	700-900 N/mm <sup>2</sup>	900-1600 N/mm <sup>2</sup>	Non-ferrous Alloys	Non-ferrous Alloys	Short Chipping	Malleable
Cutting speed	80 M/min	60 M/min	40 M/min	35 M/min	40 M/min	36 M/min	20 M/min	14 M/min	80 M/min	150 M/min	40 M/min	25 M/min
Feed rate mm/rev	ø6	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.05	0.06	0.13	0.09
	ø8	0.08	0.06	0.06	0.06	0.06	0.04	0.04	0.06	0.08	0.17	0.12
	ø10	0.10	0.08	0.08	0.07	0.07	0.07	0.06	0.08	0.10	0.21	0.15
	ø12	0.12	0.09	0.09	0.08	0.08	0.08	0.07	0.09	0.12	0.25	0.18
	ø14	0.14	0.11	0.11	0.10	0.10	0.09	0.08	0.11	0.14	0.29	0.21
	ø16	0.16	0.12	0.12	0.11	0.11	0.10	0.09	0.12	0.16	0.34	0.24
	ø18	0.18	0.14	0.14	0.13	0.13	0.12	0.10	0.14	0.18	0.38	0.27
	ø20	0.20	0.15	0.15	0.14	0.14	0.13	0.11	0.10	0.15	0.20	0.42