

SIRIUS 450 CARBIDE DRILL (5xD) Standard length series - with coolant feed

Ø	Shank	Overall Length	Flute Length	Price £ each	Ø	Shank	Overall Length	Flute Length	Price £ each	Ø	Shank	Overall Length	Flute Length	Price £ each
4,0	6	74	36	64.37	8,2	10	103	61	95.99	12,6	14	124	77	190.84
4,1	6	74	36	64.37	8,3	10	103	61	95.99	12,7	14	124	77	190.84
4,2	6	74	36	64.37	8,4	10	103	61	95.99	12,8	14	124	77	190.84
4,3	6	74	36	64.37	8,5	10	103	61	95.99	12,9	14	124	77	190.84
4,4	6	74	36	64.37	8,6	10	103	61	95.99	13,0	14	124	77	190.84
4,5	6	74	36	64.37	8,7	10	103	61	95.99	13,1	14	124	77	190.84
4,6	6	74	36	64.37	8,8	10	103	61	95.99	13,2	14	124	77	190.84
4,65	6	74	36	64.37	8,9	10	103	61	95.99	13,3	14	124	77	190.84
4,7	6	74	36	64.37	9,0	10	103	61	95.99	13,4	14	124	77	190.84
4,8	6	82	44	64.37	9,1	10	103	61	95.99	13,5	14	124	77	190.84
4,9	6	82	44	64.37	9,2	10	103	61	95.99	13,6	14	124	77	190.84
5,0	6	82	44	64.37	9,3	10	103	61	95.99	13,7	14	124	77	190.84
5,1	6	82	44	64.37	9,4	10	103	61	95.99	13,8	14	124	77	190.84
5,2	6	82	44	64.37	9,5	10	103	61	95.99	13,9	14	124	77	190.84
5,3	6	82	44	64.37	9,55	10	103	61	95.99	14,0	14	124	77	190.84
5,4	6	82	44	64.37	9,6	10	103	61	95.99	14,1	16	133	83	236.01
5,5	6	82	44	64.37	9,7	10	103	61	95.99	14,2	16	133	83	236.01
5,55	6	82	44	64.37	9,8	10	103	61	95.99	14,3	16	133	83	236.01
5,6	6	82	44	64.37	9,9	10	103	61	95.99	14,4	16	133	83	236.01
5,7	6	82	44	64.37	10,0	10	103	61	95.99	14,5	16	133	83	236.01
5,8	6	82	44	64.37	10,1	12	118	71	145.67	14,6	16	133	83	236.01
5,9	6	82	44	64.37	10,2	12	118	71	145.67	14,7	16	133	83	236.01
6,0	6	82	44	64.37	10,25	12	118	71	145.67	14,8	16	133	83	236.01
6,1	8	91	53	77.93	10,3	12	118	71	145.67	14,9	16	133	83	236.01
6,2	8	91	53	77.93	10,4	12	118	71	145.67	15,0	16	133	83	236.01
6,3	8	91	53	77.93	10,5	12	118	71	145.67	15,1	16	133	83	236.01
6,4	8	91	53	77.93	10,6	12	118	71	145.67	15,2	16	133	83	236.01
6,5	8	91	53	77.93	10,7	12	118	71	145.67	15,25	16	133	83	236.01
6,6	8	91	53	77.93	10,8	12	118	71	145.67	15,3	16	133	83	236.01
6,7	8	91	53	77.93	10,9	12	118	71	145.67	15,4	16	133	83	236.01
6,75	8	91	53	77.93	11,0	12	118	71	145.67	15,5	16	133	83	236.01
6,8	8	91	53	77.93	11,1	12	118	71	145.67	15,6	16	133	83	236.01
6,9	8	91	53	77.93	11,2	12	118	71	145.67	15,7	16	133	83	236.01
7,0	8	91	53	77.93	11,3	12	118	71	145.67	15,8	16	133	83	236.01
7,1	8	91	53	77.93	11,4	12	118	71	145.67	15,9	16	133	83	236.01
7,2	8	91	53	77.93	11,5	12	118	71	145.67	16,0	16	133	83	236.01
7,3	8	91	53	77.93	11,6	12	118	71	145.67					
7,4	8	91	53	77.93	11,7	12	118	71	145.67					
7,5	8	91	53	77.93	11,8	12	118	71	145.67					
7,55	8	91	53	77.93	11,9	12	118	71	145.67					
7,6	8	91	53	77.93	12,0	12	118	71	145.67					
7,7	8	91	53	77.93	12,1	14	124	77	190.84					
7,8	8	91	53	77.93	12,2	14	124	77	190.84					
7,9	8	91	53	77.93	12,3	14	124	77	190.84					
8,0	8	91	53	77.93	12,4	14	124	77	190.84					
8,1	10	103	61	95.99	12,5	14	124	77	190.84					



DIN 6537L
with coolant feed

The **Sirius™** drill is based on a bespoke grade of carbide made exclusively for Perfor. This material combines a special chemical composition with "Nano-grade" (sub-sub Micron) grain size, giving exceptional toughness and high wear resistance. Specifically designed for difficult to machine alloys.

	Unalloyed Steel	Heat Treatable Steel	Heat Treatable Steel		Stainless Steel		Special Nickel & Titanium		Short Chipping	Long Chipping	Cast Iron & SG Iron	
	200-400 N/mm²	400-900 N/mm²	900-1400 N/mm²	Tool Steels 40 - 50 HRC	Ferric & Martensitic	Austenitic	700-900 N/mm²	900-1600 N/mm²	Non-ferrous Alloys	Non-ferrous Alloys	Short Chipping	Malleable
Cutting speed	100 M/min	100 M/min	80 M/min	68 M/min	50 M/min	40 M/min	25 M/min	20 M/min	150 M/min	120 M/min	90 M/min	60 M/min
Feed rate mm/rev	Ø4	0.10	0.10	0.10	0.06	0.05	0.03	0.03	0.10	0.10	0.08	0.06
	Ø6	0.15	0.15	0.15	0.09	0.08	0.05	0.05	0.15	0.15	0.11	0.10
	Ø8	0.20	0.20	0.20	0.12	0.10	0.06	0.06	0.20	0.20	0.15	0.13
	Ø10	0.25	0.25	0.25	0.16	0.13	0.08	0.08	0.25	0.25	0.19	0.16
	Ø12	0.30	0.30	0.30	0.19	0.15	0.10	0.10	0.30	0.30	0.23	0.19
	Ø14	0.35	0.35	0.35	0.22	0.18	0.11	0.11	0.35	0.35	0.27	0.22
Ø16	0.40	0.40	0.40	0.40	0.25	0.20	0.13	0.13	0.40	0.40	0.30	0.26