

100.30

DIN 1897

**CLASSIC
SERIES
HSS**

**Type N
3 X Ø**

**STANDARD STUB DRILLS
STRAIGHT SHANK DRILLS**

Design and technical specifications

Helix angle	Standard (DIN1414 type N)
Point angle	118°
Point grinding	Relieved cone
Web thickness	Normal
Web taper	Normal
Flute form	Normal
Tolerance	h8
Other specifications	Under DIN 1414
Finish	Nitrided surface (Bright finish Ø < 2,5))

Details and applications

This drill offers the maximum stiffness when working with hand drilling machines in the drilling of thin sections, sheet metal and in general in machining with automatic and capstan lathes: SHORT HOLES DRILLING. Excellent production drill for a wide range of applications. In this sizes this is our most economic family. For a higher performance we suggest our Optimus families 185.43 and 185.44. Use to drill: Steel and cast steel, alloyed and non-alloyed, up to 900 N/mm²- Grey cast iron- Malleable cast iron-Pressure casting- German silver- Graphite- Phosphor bronze for bearings- Bronze alloys of aluminium, lead, magnesium or silicon-Soft brass (=60% Cu) continuous swarf- Electrolytic copper- Zinc alloys- Light alloys with thin broken swarf (alloys of silicon).



D	L	l	Code	Price
mm.	mm.	mm.		€
1.00	36	6	A100300100000	2.13
1.50	32	9	A100300150000	2.07
2.00	38	12	A100300200000	2.02
2.10	38	12	A100300210000	2.40
2.20	40	13	A100300220000	2.40
2.25	40	13	A100300225000	2.02
2.30	40	13	A100300230000	2.40
2.40	43	14	A100300240000	2.40
2.50	43	14	A100300250000	1.81
2.60	43	14	A100300260000	2.18
2.70	46	16	A100300270000	2.18
2.75	46	16	A100300275000	1.90
2.80	46	16	A100300280000	2.23
2.90	46	16	A100300290000	2.23
3.00	46	16	A100300300000	1.90
3.10	49	18	A100300310000	2.18
3.20	49	18	A100300320000	2.18
3.25	49	18	A100300325000	2.07
3.30	49	18	A100300330000	2.18
3.40	52	20	A100300340000	2.40
3.50	52	20	A100300350000	2.07
3.60	52	20	A100300360000	2.60
3.70	52	20	A100300370000	2.60
3.75	52	20	A100300375000	2.29
3.80	55	22	A100300380000	2.60
3.90	55	22	A100300390000	2.60
4.00	55	22	A100300400000	2.29
4.10	55	22	A100300410000	2.81

D	L	I	Code	Price
mm. 4.30	mm. 58	mm. 24	A100300430000	€ 3.09
4.40	58	24	A100300440000	3.13
4.50	58	24	A100300450000	2.70
4.60	58	24	A100300460000	3.52
4.70	58	24	A100300470000	3.52
4.75	58	24	A100300475000	3.02
4.80	62	26	A100300480000	3.52
4.90	62	26	A100300490000	3.52
5.00	62	26	A100300500000	3.02
5.10	62	26	A100300510000	3.87
5.20	62	26	A100300520000	3.82
5.25	62	26	A100300525000	3.30
5.30	62	26	A100300530000	3.87
5.40	66	28	A100300540000	3.87
5.50	66	28	A100300550000	3.30
5.60	66	28	A100300560000	4.42
5.70	66	28	A100300570000	4.42
5.75	66	28	A100300575000	3.77
5.80	66	28	A100300580000	4.42
5.90	66	28	A100300590000	4.42
6.00	66	28	A100300600000	3.77
6.25	70	31	A100300625000	4.52
6.50	70	31	A100300650000	4.52
6.75	74	34	A100300675000	5.25
7.00	74	34	A100300700000	5.25
7.25	74	34	A100300725000	5.94
7.50	74	34	A100300750000	5.94
7.75	79	37	A100300775000	6.54
8.00	79	37	A100300800000	6.54
8.25	79	37	A100300825000	7.75
8.50	79	37	A100300850000	7.75
8.75	84	40	A100300875000	8.44
9.00	84	40	A100300900000	8.44
9.25	84	40	A100300925000	9.50
9.50	84	40	A100300950000	9.50
9.75	89	43	A100300975000	10.62
10.00	89	43	A100301000000	10.62
10.50	89	43	A100301050000	11.94
11.00	95	47	A100301100000	13.32
11.50	95	47	A100301150000	14.80
12.00	102	51	A100301200000	15.61
12.50	102	51	A100301250000	17.57
13.00	102	51	A100301300000	19.21
13.50	107	54	A100301350000	24.37
14.00	107	54	A100301400000	26.38
14.50	111	56	A100301450000	30.09
15.00	111	56	A100301500000	33.92
15.50	115	58	A100301550000	40.86
16.00	115	58	A100301600000	40.86