Contact us

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Email: cservice@sutton.com.au
http://www.suttontools.com

D123 - STUB DRILLS - Silver Bullet

Silver Bullet stub drills are a rigid twist drill for use in automatic lathes & hand drilling machines. Developed to drill holes for rivets in flat and curved panels and used in sheet metal fabrication.

Features:

- Flute Length designed for shallow hole drilling no deeper than 3 x diameter
- 118° split point minimises wandering when starting
- Precision engineered parallel shank for accurate hole size
- Made from M2 High Speed Steel (HSS) offering the best combination of strength, heat & wear resistance
- Bright finish for general purpose applications, non-ferrous metals & plastics

Specifications:

Designation:	N
Material:	HSS
Finish:	Brt
Max Cut Depth:	3xD
Shank Form:	A
Helix Angle:	R30
Point Tolerance:	h8
Point Angle:	135°
Point Form:	Standard

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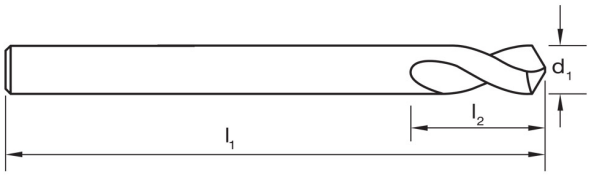
DRILLS > STUB

Range:



Item #	Diameter (inch)	Flute Length	O/A Length	Shank	Rivet Size
D1230318	1/8	18	47	3.18	3
D1230326	#30	24	49	3.26	1/8
D1230409	#20	27	54	4.09	4 & 5/32
D1230485	#11	30	57	4.85	3/16

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Applications:

ISO	VDI	Description	Condition	Hardness	Strength	Optimal
P	1	Steel - Non-alloy, cast & free cutting (~ 0.15 %C)	Annealed	125HB	440MPa	●
P	2	Steel - Non-alloy, cast & free cutting (~ 0.45 %C)	Annealed	190HB	640MPa	●
P	3	Steel - Non-alloy, cast & free cutting (~ 0.45 %C)	Quenched & Tempered	250HB	840MPa	○
P	4	Steel - Non-alloy, cast & free cutting (~ 0.75 %C)	Annealed	270HB	910MPa	○
P	5	Steel - Non-alloy, cast & free cutting (~ 0.75 %C)	Quenched & Tempered	300HB	1010MPa	
P	6	Steel - Low alloy & cast < 5% of alloying elements	Annealed	180HB	610MPa	●
P	7	Steel - Low alloy & cast < 5% of alloying elements	Quenched & Tempered	275HB	930MPa	
P	8	Steel - Low alloy & cast < 5% of alloying elements	Quenched & Tempered	300HB	1010MPa	
P	9	Steel - Low alloy & cast < 5% of alloying elements	Quenched & Tempered	350HB	1180MPa	
P	10	Steel - High alloy, cast & tool	Annealed	200HB	680MPa	
P	11	Steel - High alloy, cast & tool	Hardened & Tempered	325HB	1100MPa	
P	12	Steel - Corrosion resistant & cast - Ferritic / Martensitic	Annealed	200HB	680MPa	
P	13	Steel - Corrosion resistant & cast - Martensitic	Quenched & Tempered	240HB	810MPa	
M	14.1	Stainless Steel - Austenitic	Age Hardened	180HB	610MPa	○
M	14.2	Stainless Steel - Duplex		250HB	840MPa	○
M	14.3	Stainless Steel - Precipitation Hardening		250HB	840MPa	
K	15	Cast Iron, Grey (GG) - Ferritic / Pearlitic		180HB	610MPa	○
K	16	Cast Iron, Grey (GG) - Pearlitic		260HB	880MPa	
K	17	Cast Iron, Nodular (GGG) - Ferritic		160HB	570MPa	○
K	18	Cast Iron, Nodular (GGG) - Pearlitic		250HB	840MPa	
K	19	Cast Iron, Malleable - Ferritic		130HB	460MPa	
K	20	Cast Iron, Malleable - Pearlitic		230HB	780MPa	
N	21	Aluminum & Magnesium, wrought alloy - Non Heat Treatable		60HB	210MPa	●
N	22	Aluminum & Magnesium, wrought alloy - Heat Treatable	Age Hardened	100HB	360MPa	●
N	23	Aluminum & Magnesium, cast alloy ≤12% Si - Non Heat Treatabl		75HB	270MPa	○
N	24	Aluminum & Magnesium, cast alloy ≤12% Si - Heat Treatable	Age Hardened	90HB	320MPa	○
N	25	Aluminum & Magnesium, cast alloy >12% Si - Non Heat Treatabl		130HB	460MPa	
N	26	Copper & Copper alloys (Brass/Bronze) - Free cutting, Pb > 1		110HB	390MPa	○
N	27	Copper & Copper alloys (Brass/Bronze) - Brass (CuZn, CuSnZn)		90HB	320MPa	
N	28	Copper & Copper alloys (Brass/Bronze) - Bronze (CuSn)		100HB	360MPa	○
N	29	Non-metallic - Thermosetting & fiber-reinforced plastics				
N	30	Non-metallic - Hard rubber, wood etc.				
S	31	High temperature alloys - Fe based	Annealed	200HB	680MPa	
S	32	High temperature alloys - Fe based	Age Hardened	280HB	950MPa	
S	33	High temperature alloys - Ni / Co based	Annealed	250HB	840MPa	
S	34	High temperature alloys - Ni / Co based	Age Hardened	350HB	1180MPa	
S	35	High temperature alloys - Ni / Co based	Cast	320HB	1080MPa	
S	36	Titanium & Titanium alloys - CP Titanium			400MPa	
S	37.1	Titanium & Titanium alloys - Alpha alloys			860MPa	
S	37.2	Titanium & Titanium alloys - Alpha / Beta alloys	Annealed		960MPa	
S	37.3	Titanium & Titanium alloys - Alpha / Beta alloys	Age Hardened		1170MPa	
S	37.4	Titanium & Titanium alloys - Beta alloys	Annealed		830MPa	
S	37.5	Titanium & Titanium alloys - Beta alloys	Age Hardened		1400MPa	
H	38.1	Hardened steel	Hardened & Tempered	45HRC		
H	38.2	Hardened steel	Hardened & Tempered	55HRC		

KEY

● Optimal ○ Effective | P Steel | M Stainless | K Cast Iron | N Non-Ferous Metals | S Titanium & Super Alloys | H Hard Materials

Trade/DIY Applications:

Wood	Metal	Specialty	Masonry

Soft Wood	○	Steel	●	PVC Plastic	○	Masonry	
Hard Wood	○	Hard Steel		Acrylic		Plasterboard	
Wood & Nails	○	Stainless Steel		mineral rock wool		Compressed Fibre Cement	
Chipboard	○	Aluminium	●	foams (EPS, PUR), Polystyre		Cement Sheet	
Plywood	○	Copper / Brass	●	Leather		Ceramic Tile	
MDF	○	Cast Iron		Rubber		Hebel	
Green Wood		Sheet Metal	●	Fibreglass		Brick	
Sandwich Construction	○	Precious Metals		Carbon Fibre		Concrete	
Pallet	○	Metal Pipe		Glass		Reinforced Concrete	
Window Frame	○		○	Laminate		Stone	
						Granite	
						Marble	

KEY

● Optimal ○ Effective