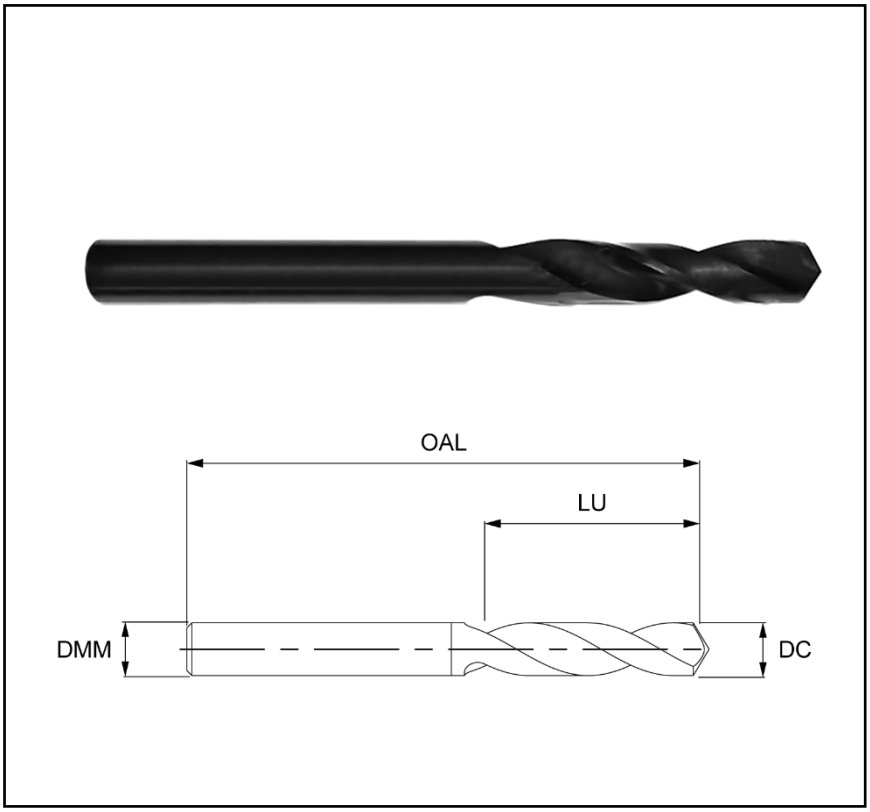
Features

- Stub-length design gives greater rigidity and reduces deflection, ideal for accurate, straight holes.
- The 118° point angle supports good self-centering and lowers the axial thrust needed, helping start holes cleanly and reducing walking.
- The HSS build ensures strength across steels, cast iron and non-ferrous materials, making it a versatile general-purpose drill.

RS PRO HSS Stub Drill



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS Pro HSS Stub Drill is a high-speed steel stub-length drill engineered for precision metal working. Its compact stub geometry delivers increased rigidity and stability, resulting in straight, accurate holes with minimal deflection, ideal for shallow holes or confined machining step-ups. The 118 degree point angle supports reliable self-centering, reducing the axial thrust required to start a hole and helping prevent walking. HSS Stub Drill is suitable for wide range of materials such as steels, cast iron and non-ferrous metals and the bright coating enhances resistance for longer tool life.

General Specifications

Brand	RS PRO
Material	High Speed Steel (HSS)
Drill Bit Size	1mm – 12mm
Product Type	Drill Bit
Overall Length	26mm – 102mm
Diameter	1mm – 12mm
Cut Length	6mm – 51mm
Number of Pieces	1
Drill Bit Type	Stub Drill
Drill Application	Steel Stainless steel Cast iron Aluminium Plastics & acrylics

Mechanical Specifications

Cutter Diameter	DC– See table below and detailed image below
Cut Length	LU – See table below and detailed image below
Number of Flutes	2
Overall Length	OAL – See table below and detailed image below
Shank Type	Straight / Cylindrical Shank
Shank Diameter	DDM – See table below and detailed image below
Centre Cutting	Yes

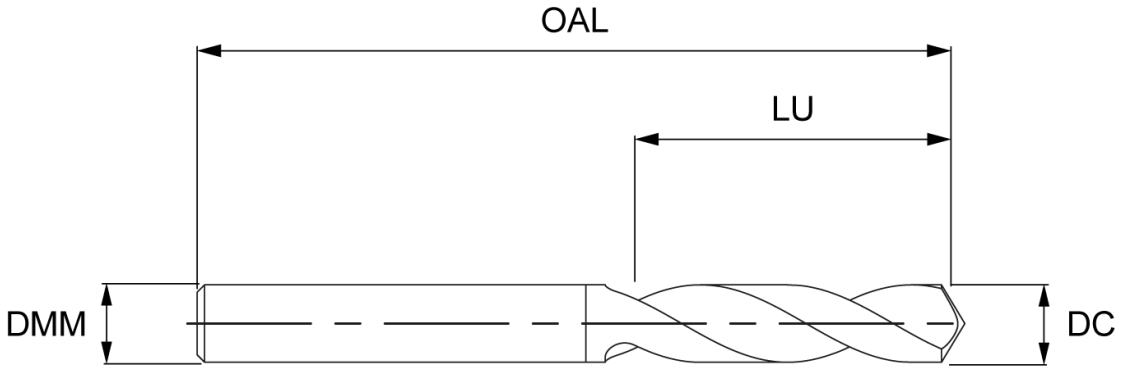
Approvals

Declarations	N/A
Hazardous Area Certification	N/A
Standards Met	DIN 1897

Stock No.	Brand	Diameter **DC / DMM**	FL.LTH **LU**	O/ALL **OAL**
XXX-XXXX 905688	RS PRO	1.0	6	26
XXX-XXXX 905687	RS PRO	2.0	12	38
XXX-XXXX 905689	RS PRO	3.0	16	46
XXX-XXXX 905690	RS PRO	3.5	20	52
XXX-XXXX 905692	RS PRO	4.0	22	55
XXX-XXXX 905691	RS PRO	4.1	22	55
XXX-XXXX 905693	RS PRO	4.2	22	55
XXX-XXXX 905695	RS PRO	4.9	26	62
XXX-XXXX 905698	RS PRO	5.0	26	62
XXX-XXXX 905697	RS PRO	5.1	26	62
XXX-XXXX 905701	RS PRO	6.0	28	66
XXX-XXXX 905700	RS PRO	6.5	31	70
XXX-XXXX 905705	RS PRO	6.8	34	74
XXX-XXXX 905702	RS PRO	7.0	34	74
XXX-XXXX 905704	RS PRO	7.5	34	74
XXX-XXXX 905707	RS PRO	8.0	37	79
XXX-XXXX 905706	RS PRO	9.0	40	84
XXX-XXXX 905708	RS PRO	10.0	43	89
XXX-XXXX 905709	RS PRO	11.0	47	95
XXX-XXXX 905710	RS PRO	12.0	51	102

Similar Products

Stock No.	Brand	Diameter DC / DMM	FL.LTH LU	O/ALL OAL
XXX-XXXX 905574	RS PRO	1.0	12	34
XXX-XXXX 905563	RS PRO	1.2	16	38
XXX-XXXX 905564	RS PRO	1.3	16	38
XXX-XXXX 905565	RS PRO	1.4	18	40
XXX-XXXX 905575	RS PRO	1.5	18	40
XXX-XXXX 905576	RS PRO	1.6	20	43
XXX-XXXX 905566	RS PRO	1.7	20	43
XXX-XXXX 905577	RS PRO	1.8	22	46
XXX-XXXX 905568	RS PRO	1.9	22	46
XXX-XXXX 905578	RS PRO	2.0	24	49
XXX-XXXX 905718	RS PRO	2.1	24	49
XXX-XXXX 905723	RS PRO	2.2	27	53
XXX-XXXX 905720	RS PRO	2.3	27	53
XXX-XXXX 905569	RS PRO	2.4	30	57
XXX-XXXX 905721	RS PRO	2.5	30	57
XXX-XXXX 905722	RS PRO	2.6	30	57
XXX-XXXX 905570	RS PRO	2.7	33	61
XXX-XXXX 905571	RS PRO	2.8	33	61
XXX-XXXX 905572	RS PRO	2.9	33	61



Cutting Data

VDI MATERIAL GROUP			HRc	v_c (m/min)	f_n (mm/rev)													
					ø1.0 -1.9	ø2.0 -2.9	ø3.0 -3.9	ø4.0 -4.9	ø5.0 -5.9	ø6.0 -6.9	ø7.0 -7.9	ø8.0 -9.9	ø10.0 -11.9	ø12.0 -13.5	ø14.0 -15.5	ø16.0 -17.5	ø18.0 -19.5	ø20.0
P	1-5	Non-alloy Steel	<25	**25 (22-27)**	0.01	0.025	0.05	0.055	0.063	0.08	0.10	0.13	0.145	0.16	0.18	0.20	0.23	0.24
P	6-9	Low alloy Steel	25-35	**22 (20-25)**	0.009	0.02	0.045	0.05	0.06	0.075	0.095	0.125	0.14	0.15	0.17	0.21	0.22	0.23
M	12-13	Stainless Steel		**18 (15-20)**	0.01	0.025	0.05	0.055	0.063	0.08	0.10	0.13	0.145	0.16	0.18	0.20	0.23	0.24
K	15-16	Grey Cast Iron		**18 (15-20)**	0.01	0.025	0.05	0.055	0.063	0.08	0.10	0.13	0.145	0.16	0.18	0.20	0.23	0.24
N	21-24	Aluminium Si<12%		**48 (45-50)**	0.02	0.038	0.063	0.07	0.076	0.12	0.16	0.18	0.20	0.225	0.25	0.275	0.30	0.325
N	29.1	Plastics, Acrylics		**23 (22-25)**	0.01	0.025	0.05	0.055	0.063	0.08	0.10	0.13	0.145	0.16	0.18	0.20	0.23	0.24

All recommendations are based on ideal machining conditions. Adjustments may need to be made according to your set-up.
The recommendations for speeds, feeds and other parameters presented in this chart are nominal recommendations and should be considered only as good starting points.

v_c - cutting speed (m/min)
n - RPM (rev/min)
f_n - feed rate (mm/rev)
ø - drill diameter (mm)