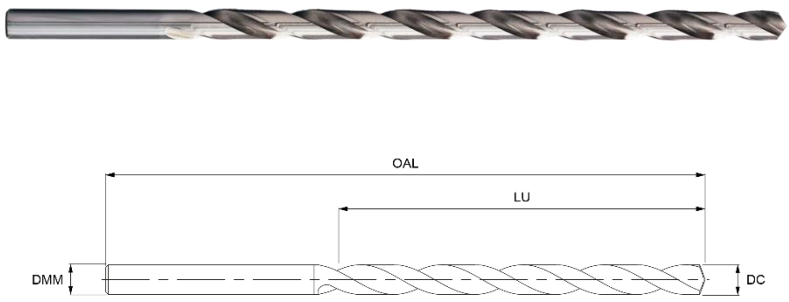
Features

- Designed to reach areas that standard drills cannot, making it ideal for deep-hole drilling
- High quality HSS for durability and dependable performance: Made from premium high speed steel to maintain hardness at elevated temperatures, resist wear, and ensure long tool life under demanding conditions.
- Carefully engineered flutes reduce friction and improve chip evacuation, minimizing heat buildup and enhancing drilling efficiency.

RS PRO HSS Extra Long Series 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

The RS PRO HSS Extra Long Series Drill is engineered for applications where extended reach and reliable performances are essential. Manufactured from high-quality high speed steel, it delivers consistent strength, durability, and heat resistance. Its precision-ground flutes ensure smooth cutting and efficient swarf evacuation, making it ideal for deep hole drilling in metals, alloys and general materials.

General Specifications

Brand	RS PRO
Material	High Speed Steel (HSS)
Drill Bit Size	1.5mm – 10.5mm
Product Type	Drill Bit
Overall Length	160mm – 315mm
Diameter	1.5mm – 10.5mm
Cut Length	100mm – 250mm
Number of Pieces	1
Drill Bit Type	Extra Long Series
Drill Application	Steels Stainless steels Cast irons Aluminium alloys Plastics and 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

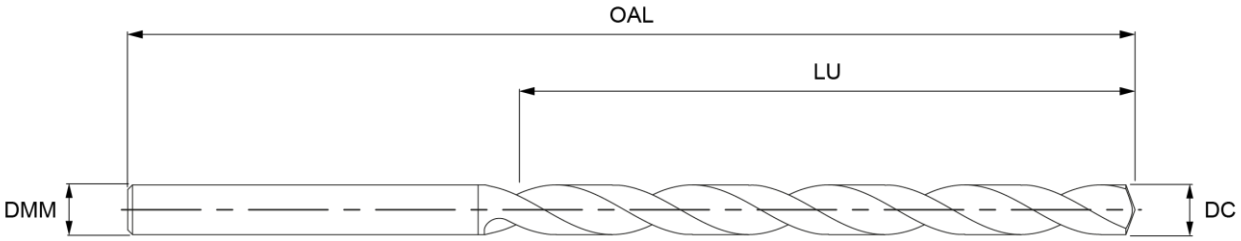
Approvals

Declarations	N/A
Hazardous Area Certification	N/A
Standards Met	ISO 3292

Stock No.	Brand	Diameter **DC / DMM**	FL.LTH **LU**	O/ALL **OAL**
XXX-XXXX 905711	RS PRO	1.5	100	160
XXX-XXXX 905712	RS PRO	2.0	100	160
XXX-XXXX 905713	RS PRO	3.0	200	250
XXX-XXXX 905714	RS PRO	3.0	100	160
XXX-XXXX 905715	RS PRO	4.0	100	160
XXX-XXXX 905716	RS PRO	4.0	250	315
XXX-XXXX 905717	RS PRO	4.0	150	200
XXX-XXXX 905549	RS PRO	5.0	150	200
XXX-XXXX 905550	RS PRO	4.5	100	160
XXX-XXXX 905551	RS PRO	5.0	100	160
XXX-XXXX 905552	RS PRO	5.0	200	250
XXX-XXXX 905553	RS PRO	5.0	250	315
XXX-XXXX 905554	RS PRO	6.0	200	250
XXX-XXXX 905555	RS PRO	5.5	150	200
XXX-XXXX 905556	RS PRO	6.0	150	200
XXX-XXXX 905557	RS PRO	6.0	250	315
XXX-XXXX 905558	RS PRO	8.0	200	250
XXX-XXXX 905559	RS PRO	8.0	250	315
XXX-XXXX 905561	RS PRO	10.5	250	315

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