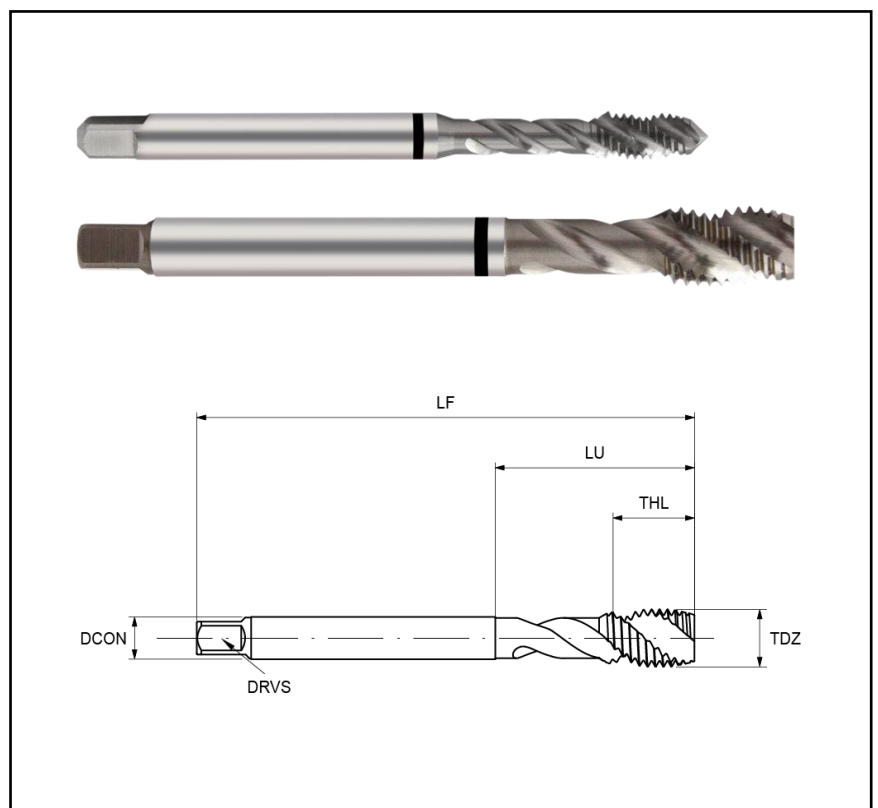


Features

- High-Performance HSS-E Construction offers superior hardness and wear resistance, enabling reliable performance in tougher steels and higher cutting temperatures.
- Spiral Flute Cutting Geometry with patented universal geometry, designed to pull chips upward and out of the hole, reducing clogging and improving tapping performance, especially in blind holes.
- Bright Finish with a smooth surface reduces friction provides consistent cutting action across a broad range of materials.

RS PRO Metric Bright Tap, Spiral Flute



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 Metric Bright Spiral Flute Tap is engineered for high performance threading in blind holes across a wide range of materials. Featuring a patented universal spiral flute geometry, this tap efficiently pulls chips upward and out of the hole, minimising clogging, reducing torque, and improving thread quality. The bright finish ensures smooth cutting action and is ideal for non-ferrous metals, mild steels, and general-purpose machining applications. Designed for reliability and consistency, the RS Pro Metric Bright Spiral Flute tap delivers precise, clean threads while supporting higher productivity and extended tool life.

General Specifications

Brand	RS PRO
Product Type	Threading Tap
Thread Size	M3 – M12
Thread Pitch	0.5mm – 1.75mm
Thread Length	6mm – 18mm
Number of Pieces	1
Overall Length	56mm – 110mm
Hand/Machine Tap	Machine Tap
Shank Diameter	3.5mm – 10mm
Substrate	HSS-E

Mechanical Specifications

Thread Diameter Size	TDZ – See table below and detailed image below
Thread Pitch	TP – See table below and detailed image below
Threading Length	THL – See table below and detailed image below
Overall Length	LF – See table below and detailed image below
Usable Length	LU – See table below and detailed image below
Connection Diameter	DCON – See table below and detailed image below
Drive Square Size	DRVS – See table below and detailed image below

Approvals

Declarations	N/A
Hazardous Area Certification	N/A
Standards Met	DIN 371

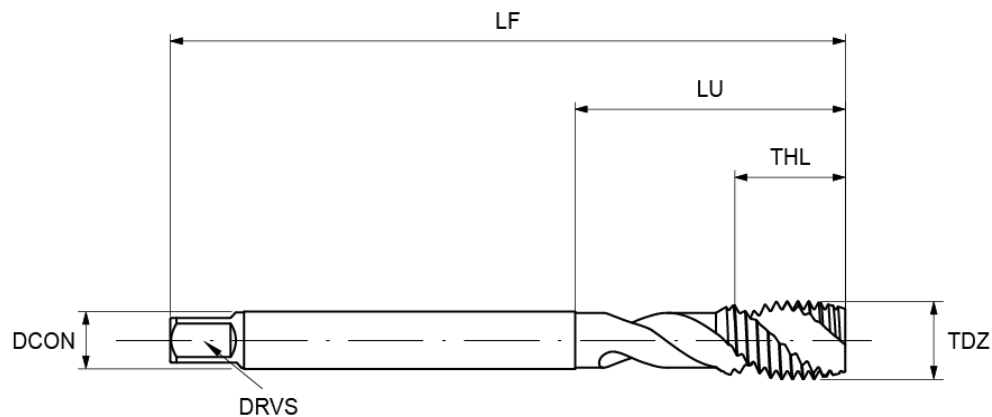
Threading Taps



Stock No.	Brand	Size TDZ	Pitch TP	Thread Length THL	O/ALL Length LF	Neck Length LU	DCON	DRVS	No. Of Flutes NOF	Tapping Drill PHD
XXX-XXXX 900247	RS PRO	M3	0.5	6	56	18	3.5	2.7	3	2.5
XXX-XXXX 900245	RS PRO	M4	0.7	7	63	21	4.5	3.4	3	3.3
XXX-XXXX 900246	RS PRO	M5	0.8	8	70	25	6.0	4.9	3	4.2
XXX-XXXX 900250	RS PRO	M6	1.0	10	80	30	6.0	4.9	3	5.0
XXX-XXXX 900248	RS PRO	M8	1.25	13	90	35	8.0	6.2	3	6.8
XXX-XXXX 900249	RS PRO	M10	1.5	15	100	39	10.0	8.0	3	8.5
XXX-XXXX 900251	RS PRO	M12	1.75	18	110	44	9.0	7.0	3	10.2

Similar Products

Stock No.	Brand	Size TDZ	Pitch TP	Thread Length THL	O/ALL Length LF	Neck Length LU	DCON	DRVS	No. Of Flutes NOF	Tapping Drill PHD
XXX-XXXX 900372	RS PRO	M3	0.5	11	56	18	3.5	2.7	3	2.5
XXX-XXXX 900375	RS PRO	M4	0.7	13	63	21	4.5	3.4	3	3.3
XXX-XXXX 900373	RS PRO	M5	0.8	15	70	25	6.0	4.9	3	4.2
XXX-XXXX 900374	RS PRO	M6	1.0	17	80	30	6.0	4.9	3	5.0
XXX-XXXX 900376	RS PRO	M8	1.25	20	90	35	8.0	6.2	3	6.8



Cutting Data

VDI MATERIAL GROUP		HRc	COOLANT TYPE	vc (m/min)
P	1-5 Non-alloy Steel	<25	Emulsion	6-20
	6-9 Low alloy Steel	25-35	Emulsion	3-15
	10-11 High alloy Steel, Tool Steel	35-45	Neat oil or Emulsion	3-5
M	12-13 Ferritic / Martensitic Stainless steel		Neat oil	5-10
	14 Austenitic Stainless steel		Neat oil	4-6
K	15-16 Grey Cast iron		Neat oil or Emulsion	5-15
	17-20 Nodular & Malleable Cast iron		Neat oil or Emulsion	5-15
N	21-25 Aluminium		Emulsion	15-20
	26-28 Copper & Copper alloys		Emulsion	15-35
S	31-35 HRSA Fe & Ni/Co Based		Neat oil	8-10
	36-37 Titanium & Titanium alloys		Neat oil	8-10

► Lighter text denotes secondary application

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.