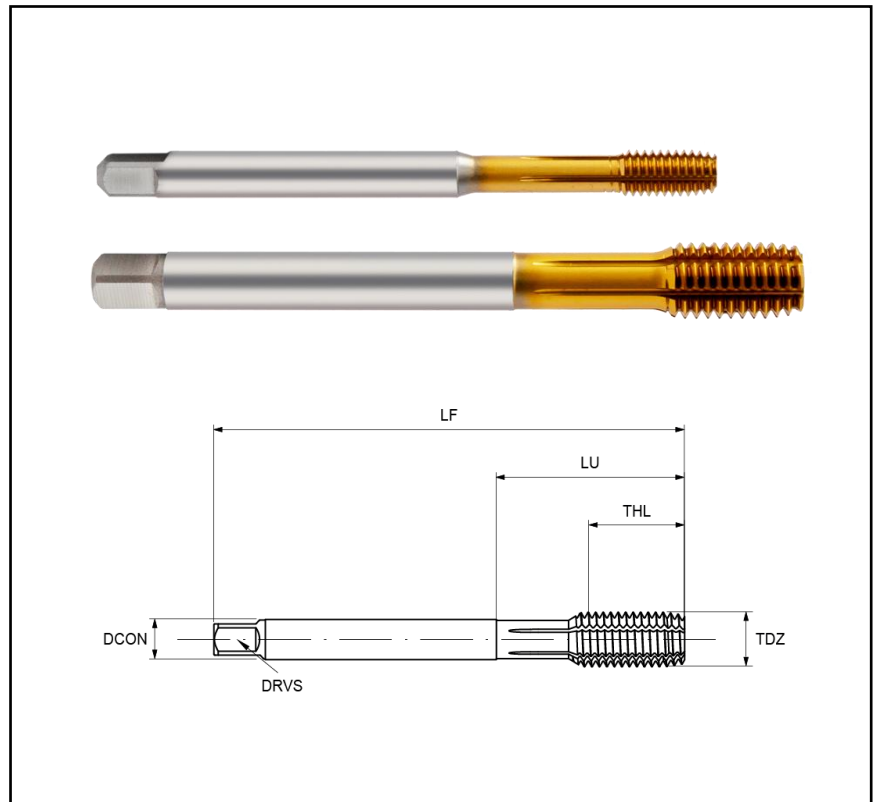


Features

- The titanium nitride (TiN) coating combined with specialised surface treatment ensures smoother forming action, allows for higher cutting speeds, and significantly extends the overall tool life.
- Optimal Lobe-to-Size Ratio: The carefully engineered lobe-to-size ratio improves chip formation and evacuation, reduces wear on the tool, and provides consistently efficient tapping performance.
- An increased number of lobes and grooves enables higher spindle speeds, promotes precise threading, and contributes to longer-lasting, reliable tool operation.

RS PRO Metric Fluteless High Speed 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 High Speed Tap is a premium threading tool designed for professional machining applications. Made with HSS-E powdered metal technology, it features a strong cutting edge for superior durability and long tool life. Featuring a durable TiN coating and specialised surface preparation, it ensures smooth forming action, higher cutting speeds, and extended tool life. Its optimal lobe to size ration enhances chip formation and evacuation, reducing tool wear and delivering consistently efficient performance. With increased lobes and grooves, the tap supports higher spindle speeds while maintaining precise, accurate threading, making it ideal for high volume and demanding machining operations.

General Specifications

Brand	RS PRO
Product Type	Threading Tap
Thread Size	M3 – M8
Thread Pitch	0.5mm – 1.25mm
Thread Length	5mm – 13mm
Number of Pieces	1
Overall Length	56mm – 90mm
Hand/Machine Tap	Machine Tap
Shank Diameter	3.5mm – 8mm
Substrate	HSS-E-PM

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

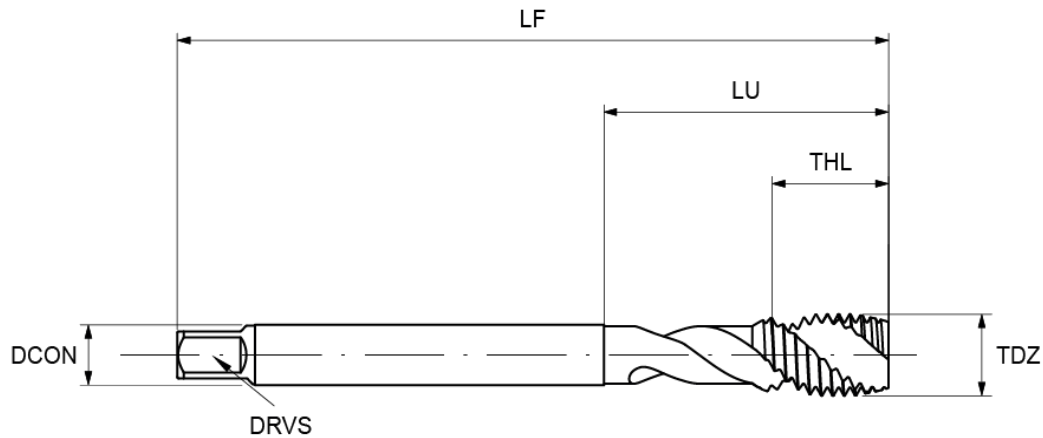
Threading Taps



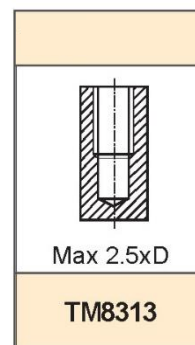
Stock No.	Brand	Size TDZ	Pitch TP	Thread Length THL	O/ALL Length LF	Neck Length LU	DCON	DRVS	Tapping Drill PHD
XXX-XXXX 900287	RS PRO	M3	0.5	5	56	18	3.5	2.7	2.8
XXX-XXXX 900285	RS PRO	M4	0.7	7	63	21	4.5	3.4	3.7
XXX-XXXX 900286	RS PRO	M5	0.8	8	70	25	6.0	4.9	4.7
XXX-XXXX 900288	RS PRO	M6	1.0	10	80	30	6.0	4.9	5.6
XXX-XXXX 900289	RS PRO	M8	1.25	13	90	35	8.0	6.2	7.4
XXX-XXXX 900287	RS PRO	M3	0.5	5	56	18	3.5	2.7	2.8

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 900390	RS PRO	M3	0.5	5	56	18	3.5	2.7	3	2.5
XXX-XXXX 900392	RS PRO	M4	0.7	7	63	21	4.5	3.4	3	3.3
XXX-XXXX 900391	RS PRO	M5	0.8	8	70	25	6.0	4.9	3	4.2
XXX-XXXX 900393	RS PRO	M6	1.0	10	80	30	6.0	4.9	3	5.0
XXX-XXXX 900394	RS PRO	M8	1.25	13	90	35	8.0	6.2	3	6.8
XXX-XXXX 900283	RS PRO	M10	1.5	15	100	39	10.0	8.0	3	8.5
XXX-XXXX 900284	RS PRO	M12	1.75	18	110	44	9.0	7.0	4	10.2



Cutting Data



VDI MATERIAL GROUP			HRc	COOLANT TYPE	
P	1-5	Non-alloy Steel	<25	Emulsion	15-20
	6-9	Low alloy Steel	25-35	Emulsion	10-15
M	12-13	Ferritic / Martensitic Stainless steel		Neat oil	5-10
	14	Austenitic Stainless steel		Neat oil	4-6
N	26-28	Copper & Copper alloys		Emulsion	15-20

► 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.