

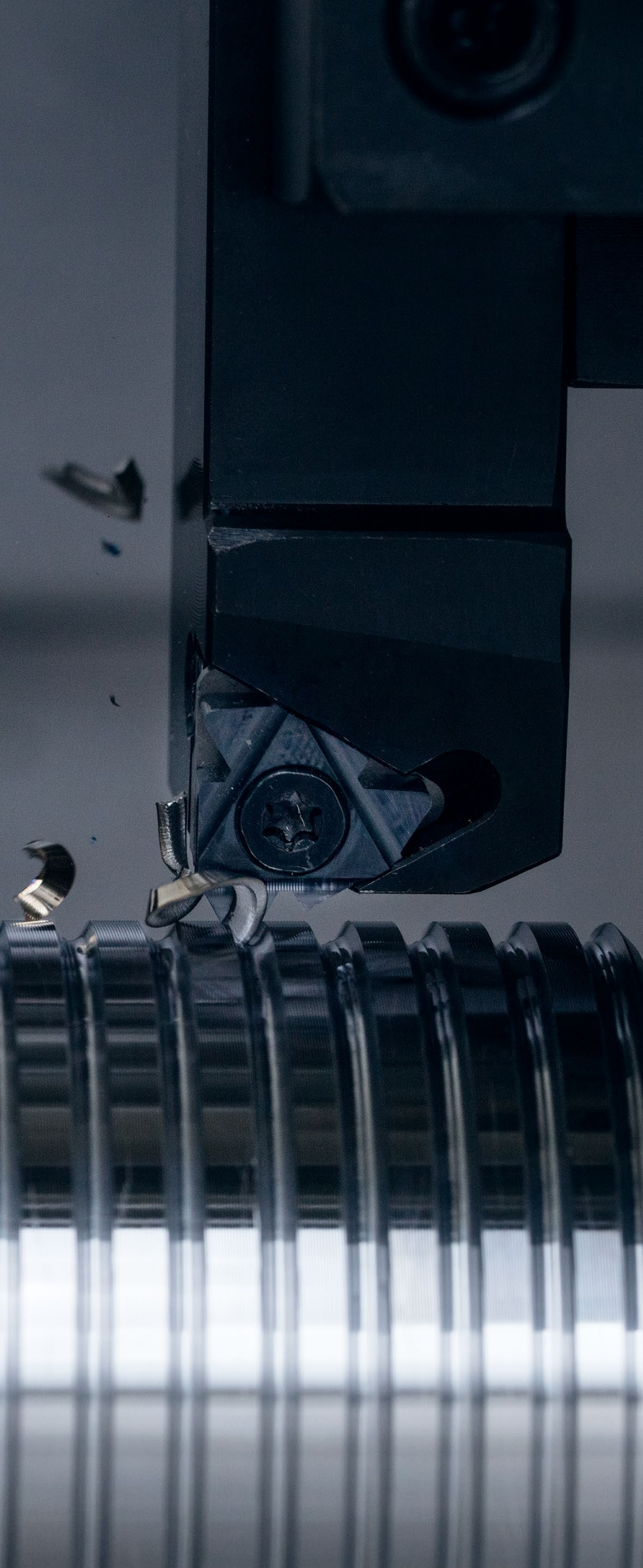
Metric Products

The entire content of this chapter can be found
in the Metric Catalog.

Use the QR code or the link shown below.



<https://cutting.tools/us/en/digitalcatalogmetric>



Solid drilling and bore machining	Metric Catalog	HSS drilling	1
	Metric Catalog	Solid carbide drilling	2
		Indexable drilling	3
		Reaming and Countersinking	4
		Indexable Boring	5
Threading	Metric Catalog	Taps and thread formers	6
	Metric Catalog	Circular and Thread Milling	7
	Metric Catalog	Thread turning	8
Turning		Indexable Turning	9
		Multifunction	10
		Parting and Grooving	11
	Metric Catalog	Miniature turning tools	12
Milling	Metric Catalog	HSS Milling Cutters	13
		Solid Milling	14
		Indexable Milling	15
Clamping technology		Adaptors and Accessories	16
	Metric Catalog	Workpiece clamping	17
		Material examples and article no. Index	18

Contents

Symbol explanation	5
Toolfinder	4+5
Product program	6-42
Shims	43
Technical Information	
Cutting Data	44+45
Thread turning methods	46
Pitch angle	47
Designation Key	48+49
Troubleshooting	50
Grade description and profile explanation	51

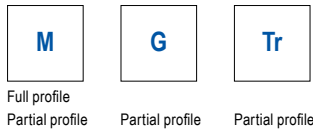
WNT \ Performance

Premium quality tools for high performance.

The premium quality tools from the **WNT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.

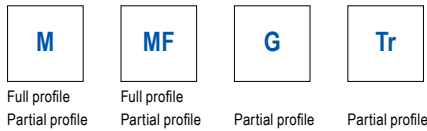
Toolfinder

MiniCut



→ Chapter 12 – Miniature turning tools

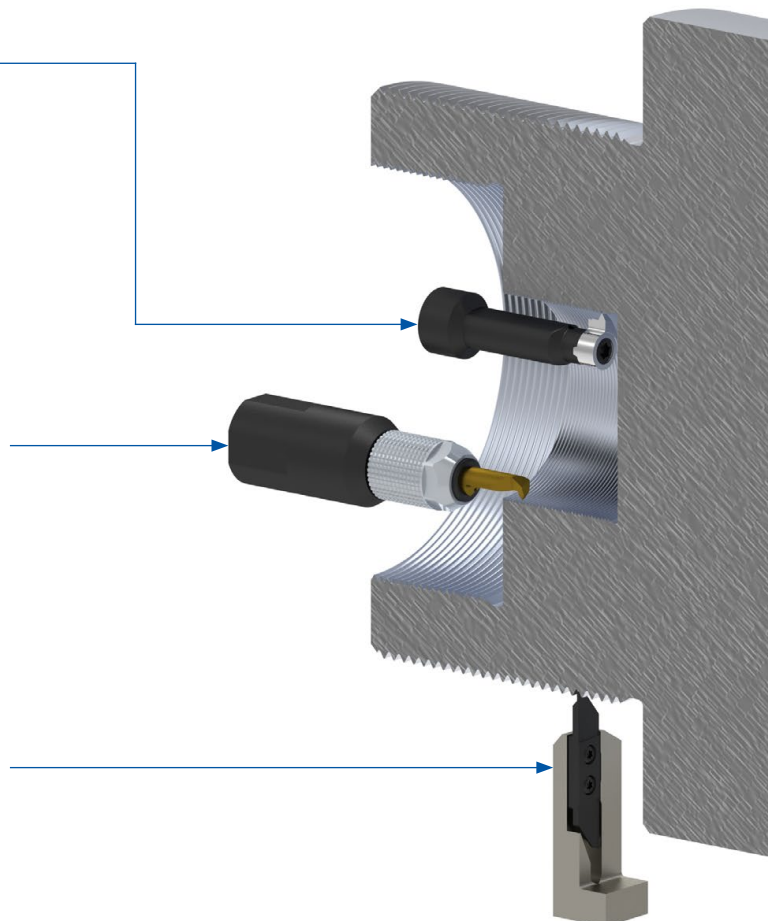
UltraMini



→ Chapter 12 – Miniature turning tools

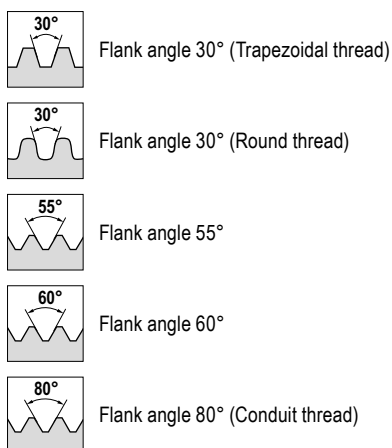
VertiClamp

→ Sliding head tooling catalogue



Symbol explanation

Flank angle



- TP / TPI = Pitch
- NT = Number of flutes
- = Main Application
- = Extended application

Thread

M	ISO metric coarse thread DIN 13	UNEF	American unified thread (extra fine) BS 1580 (ASME B 1.1)
MF	ISO Metric fine thread DIN 13	NPT	American pipe thread ANSI/ASME B 1.20.3
BSW	British Whitworth thread BS 84	Tr	Trapezoidal thread DIN 103
UN	American unified thread BS 1580 (ASME B 1.1)	Rd	Round Thread DIN 405
UNC	American unified thread (coarse) BS 1580 (ASME B 1.1)	Pg	Conduit Threads DIN 40430
UNF	American unified thread (fine) BS 1580 (ASME B 1.1)		

Standard external thread turning

Full profile

M	BSW	UN	UNC	UNF	UNEF	NPT	Tr	Rd	Pg
6+7	11+12	15+16	15+16	15+16	15+16	19	21	24	26

Partial profile

60°	55°	M
28	30	10

Multi-cutting edge

Suitable holders can be found on → page 32+33

Standard internal thread turning

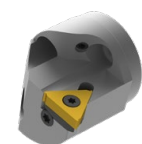
Full profile

M	BSW	UN	UNC	UNF	UNEF	NPT	Tr	Rd	Pg
8+9	13+14	17+18	17+18	17+18	17+18	20	22	25	27

Partial profile

60°	55°
29	31

Suitable holders can be found on → page 34–36



Internal threading with MaxiChange – our exchangeable head system

→ Chapter 9 – Turning Tools

Mini 06

Full profile

M	BSW	M
37	37	39

Partial profile

60°	55°	60°	55°
38	38	39+40	40+41

Suitable holders can be found on → page 42

Information on the different thread profiles can be found on → Page 51.