

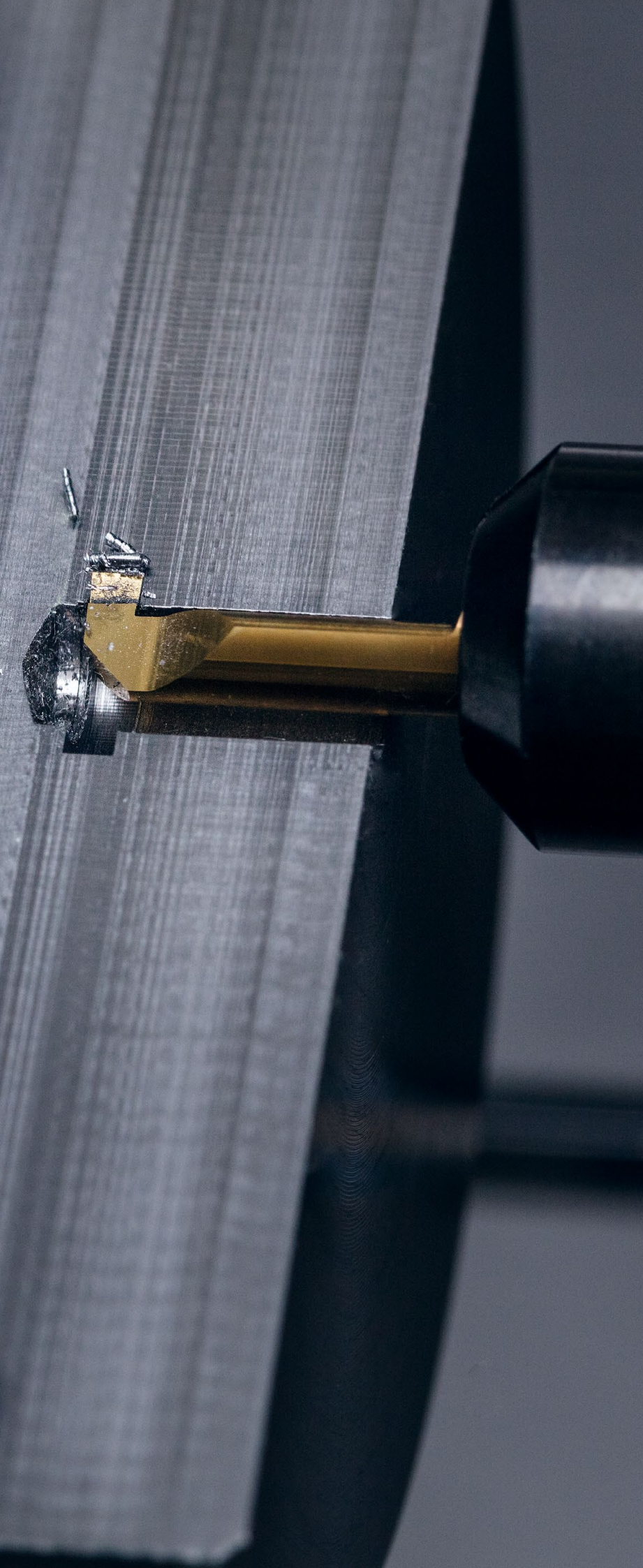
Metric Products

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

System overview	5
Toolfinder	4+5
Product program	
UltraMini	6–34
MiniCut	35–53
UltraMini + MiniCut Hard Turning	10+36
SlotCut – Broaching	54–57
Technical Information	
Cutting Data	58–61
Broaching – Recommendations for Correct Use	62
Symbol explanation, coatings and thread types	63

WNT \ Performance

Premium quality tools for high performance.

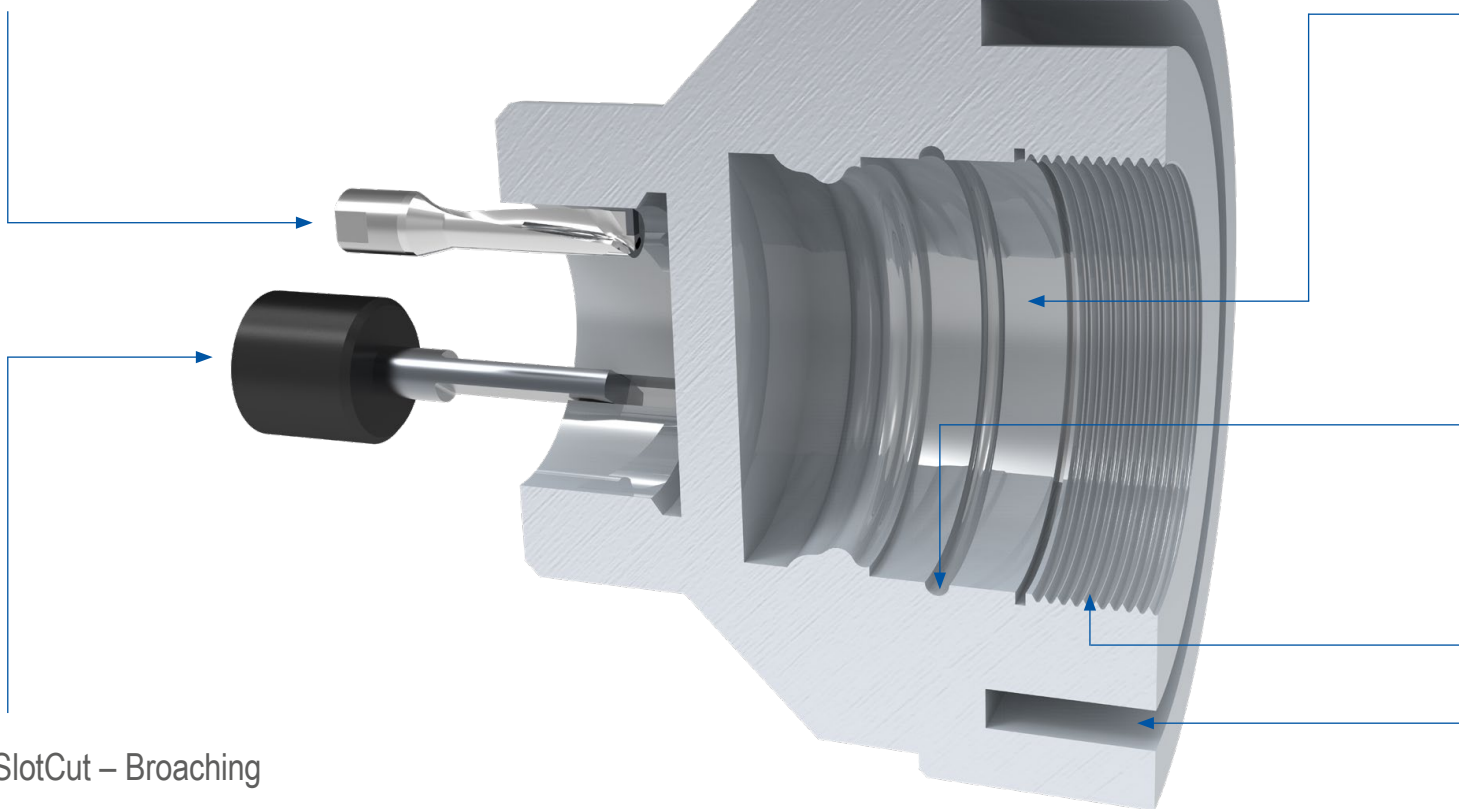
The premium quality tools from the **WNT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools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

Toolfinder

EcoCut Mini

From \varnothing 2 mm

Inserts and tool holders can be found in → **Chapter 10 Multifunctional Tools – EcoCut and FreeTurn**



SlotCut – Broaching

Inserts + Holder DIN138 54–57

Symbol explanation



Internal machining



Internal grooving



Internal thread turning



Axial machining

System overview

UltraMini



- ▲ from Ø 0.5 mm
- ▲ flexible system
- ▲ ground inserts
- ▲ high repeatability
- ▲ coolant supply to the cutting edge

MiniCut



- ▲ from Ø 7.8 mm
- ▲ stable three-rib interface
- ▲ easy handling
- ▲ coolant supply to the cutting edge
- ▲ precise cutting edge position

SlotCut



- ▲ broaching directly on the machine
- ▲ usable from Ø 6 mm
- ▲ low machine load
- ▲ variety of tolerance classes

Hole diameter in inch	UltraMini										MiniCut				
	≥ 0,5	≥ 2	≥ 2,4	≥ 2,8	≥ 3	≥ 4	≥ 5	≥ 6	≥ 8	≥ 16	≥ 8	≥ 9	≥ 11	≥ 14	≥ 16
Internal turning and profiling	6-9	6-9	6-9	6-9		6-9	6-9	6-9			35	35	35	35	35
Internal turning and profiling – hard turning		10		10		10	10	10			36		36	36	36
High-feed turning		11			11	11	11	11							
Internal turning				12		12	12				37	37	37	37	37
Back boring					13	13	13	13			38	38	38	38	
Turning and chamfering							14	14			38	38	38	38	
Pre-parting and chamfering						14	14	14			39	39	39	39	39
Internal Undercuts		18		18		18	18	18			42	42	42	42	42
Groove turning		15-17			15-17	15-17	15-17	15-17			40+41	40+41	40+41	40+41	40+41
Groove and profile turning						19	19	19			43	43	43	43	43
Internal thread turning			20-22			20-22	20-22	20-22			44-47	44-47	44-47	44-47	44-47
Axial grooving							23-28	23-28	23-28	23-28	48+49	48+49	48+49	48+49	48+49
suitable holder	31-34										50-53				
Sets	29+30										