

GUHRING

NESTING TOOLS

Guhring Australia
manufactures a
complete range
of rotary carbide
solutions for all of
today's challenges.

Particle Board | MDF | Wood | Plastic | Aluminium | Composite



NEW Signum Coating
Technology

Up to 60% longer tool life

*Custom Tool design and manufacture with
advanced in-house PVD Coating Technology.*

GUHRING
1800 639 991

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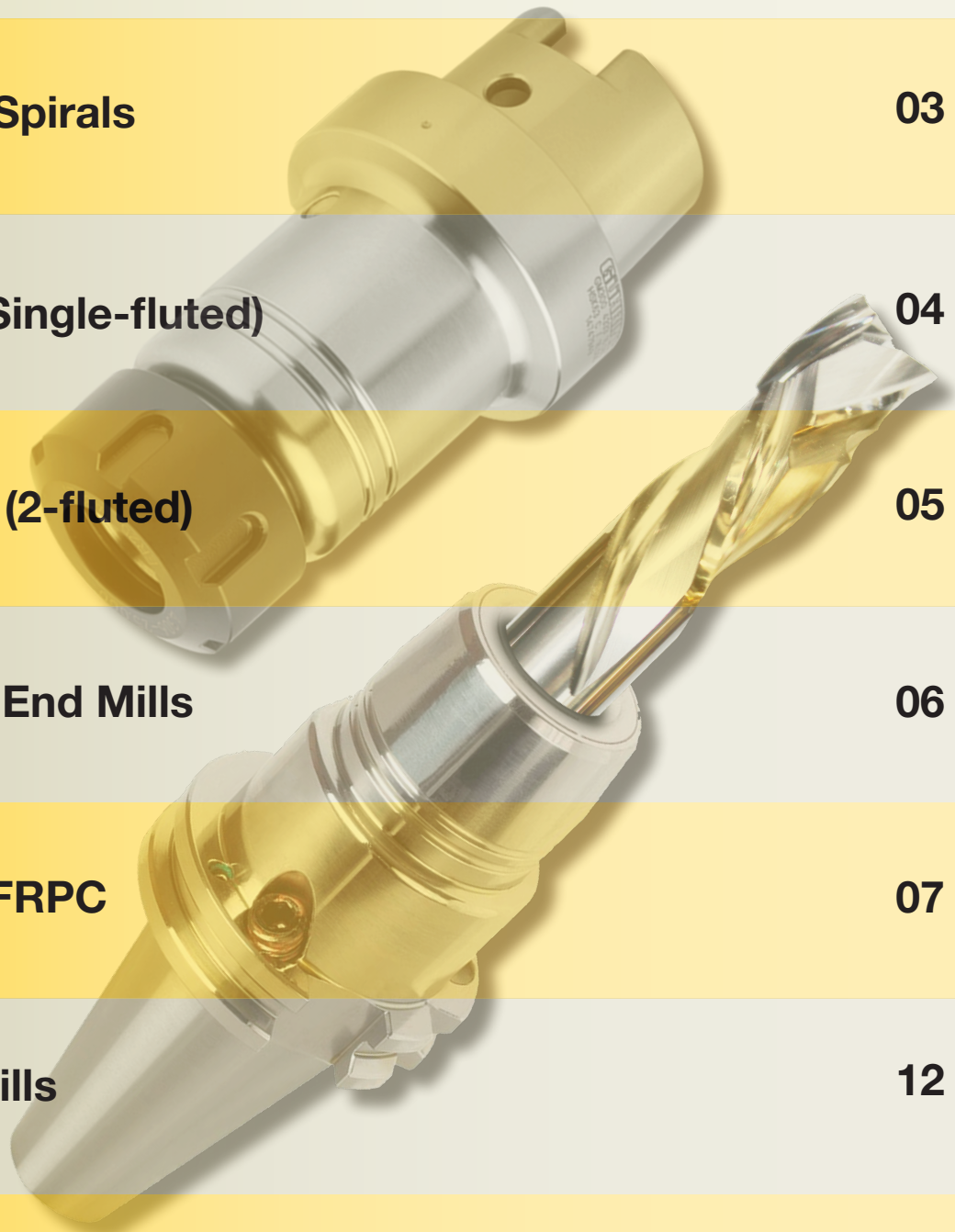
12

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14

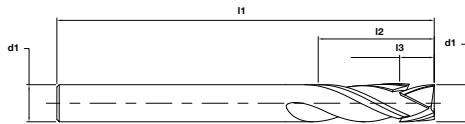
Special Tools and Regrinding service

15



COMPRESSION SPIRALS

Standard	Guhring Std.	
Tool Material	Solid Carbide Bright - Signum Coated	
Surface	○	●
Shank Form	HA	



d1d10	d1	l1	l2	l3	z	CODE NO.	AVAILABILITY
mm	mm	mm	mm	mm	mm		
6.00	6.00	64	20	5	2	C2R 6.00205B	○
6.35	6.35	64	20	5	2	C2R 6.35205B	○
8.00	8.00	76	24	5	2	C2R 8.00245B	○
9.52	9.52	76	24	5	2	C2R 9.52245B	○
9.52	9.52	76	24	10	2	C2R 9.522410B	○
9.52	9.52	76	28	5	2	C2R 9.52285B	○
10.00	9.52	76	28	10	2	C2R 9.522810B	○
10.00	10.00	76	24	5	2	C2R 10.00245B	○
10.00	10.00	76	24	10	2	C2R 10.002410B	○
10.00	10.00	80	28	5	2	C2R 10.00285B	○
10.00	10.00	80	28	10	2	C2R 10.002810B	○
12.00	12.00	100	38	10	2	C2R 12.003810B	○
12.75	12.75	100	38	10	2	C2R 12.753810B	○
16.00	16.00	110	55	10	2	C2R 16.005510B	○
6.00	6.00	64	20	5	3	C3R 6.00205B	○
6.35	6.35	64	20	5	3	C3R 6.3520.00B	○
8.00	8.00	76	20	5	3	C3R 8.00205B	○
9.52	9.52	76	24	5	3	C3R 9.52245B	○
9.52	9.52	76	24	10	3	C3R 9.522410B	○
9.52	9.52	76	28	5	3	C3R 9.52285B	○
9.52	9.52	76	28	10	3	C3R 9.522810B	○
10.00	10.00	75	24	5	3	C3R 10.00245B	○
10.00	10.00	75	24	10	3	C3R 10.002410B	○
10.00	10.00	75	28	5	3	C3R 10.00285B	○
10.00	10.00	75	28	10	3	C3R 10.002810B	○
12.00	12.00	85	28	10	3	C3R 12.002810B	○
12.00	12.00	100	38	10	3	C3R 12.003810B	○
12.75	12.75	85	38	10	3	C3R 12.753810B	○
12.75	12.75	100	38	10	3	C3R 12.753810B	○
16.00	16.00	110	55	10	3	C3R 16.005510B	○

How to order? Follow the components of the code.

Name of tool - Flutes - Helix - D1 - L2 - L3 - Coated/Uncoated

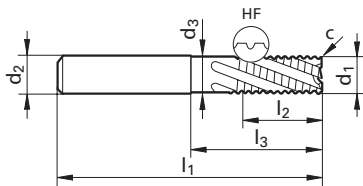
[C - Compression Spiral | S - Signum Coated | B - Uncoated]

*Available in custom sizes upon request. Helix mentioned in the code is a guide to order. Left and Right hand helix are available upon request.

Visit www.guhring.com.au or call us at 1800 639 991

ROUGHING SPIRALS

Standard	Guhring Std.
Tool Material	Solid Carbide Bright - Signum Coated
Surface	○ ●
Shank Form	HA



d1d10	d1	l1	l2	z
mm	mm	mm	mm	
10.00	10.00	75	20	3
12.00	12.00	80	35	3
12.00	12.00	100	45	3
12.70	12.70	100	45	3
14.00	14.00	100	45	3
16.00	16.00	110	55	3
20.00	20.00	130	70	3

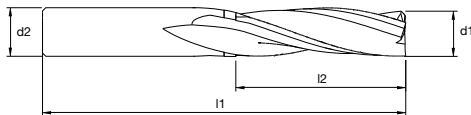
CODE NO.	AVAILABILITY
R3R 10.0020B	○
R3R 12.0035B	○
R3R 12.0045B	○
R3R 12.7045B	○
R3R 14.0045B	○
R3R 16.0055B	○
R3R 20.0070B	○

How to order? Follow the components of the code.
 Name of tool - Flutes - Helix - D1 - L2 - Coated/Uncoated
 [R - Roughing Spiral | S - Signum Coated | B - Uncoated]

*Available in custom sizes upon request. Helix mentioned in the code is a guide to order. Left and Right hand helix are available upon request.
 Visit www.guhring.com.au or call us at 1800 639 991

FINISHING SPIRALS

Standard	Guhring Std.	
Tool Material	Solid Carbide Bright - Signum Coated	
Surface	○	●
Shank Form	HA	



d1d10 mm	d1 mm	d2 mm	l1 mm	l2 mm	z
6.00	8.00	8.00	75	30	2
12.00	12.00	12.00	90	42	2
8.00	8.00	8.00	75	30	3
10.00	10.00	10.00	75	30	3
12.00	12.00	12.00	90	42	3
14.00	14.00	14.00	90	42	3
16.00	16.00	16.00	100	35	3
16.00	16.00	16.00	110	55	3
18.00	18.00	18.00	110	55	3
20.00	20.00	20.00	115	55	3
20.00	20.00	20.00	130	70	3
25.00	25.00	25.00	130	75	3

CODE NO.	AVAILABILITY
F2L 6.0030B	•
F2L 12.0042B	•
	•
F3L 8.0030B	•
F3L 10.0030B	•
F3L 12.0042B	•
F3L 14.0042B	•
F3L 16.0035B	•
F3L 16.00155B	•
F3L 18.0055B	•
F3L 20.0055B	•
F3L 20.00170B	•
F3L 25.0075B	•

How to order? Follow the components of the code.
 Name of tool - Flutes - Helix - D1 - L2 - Coated/Uncoated
 [F - Finishing Spiral | S - Signum Coated | B - Uncoated]

*Available in custom sizes upon request. Helix mentioned in the code is a guide to order. Left and Right hand helix are available upon request.
 Visit www.guhring.com.au or call us at 1800 639 991

END MILLS (SINGLE-FLUTED)

Tool material

Solid Carbide

Surface

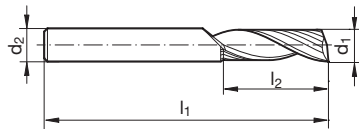
○

Type

W

Shank form

HA



d1	d2 h6	l1	l2	z
mm	mm	mm	mm	
2.00	2.00	38	10.0	1
3.00	3.00	39	12.0	1
4.00	4.00	40	15.0	1
5.00	5.00	50	16.0	1
6.00	6.00	57	20.0	1
8.00	8.00	63	22.0	1
10.00	10.00	73	25.0	1
12.00	12.00	83	30.0	1
16.00	16.00	92	35.0	1

CODE NO.
67932.000
67933.000
67934.000
67935.000
67936.000
67938.000
679310.00
679312.000
679316.000

*Available in left and right hand helix type

*Available in custom sizes upon request.

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XL AI SLOT DRILLS (2-FLUTED)

Tool material

Solid Carbide

Surface

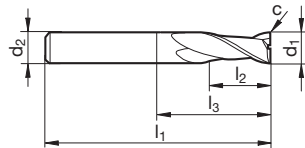


Type

W

Shank form

HA



d1 h10 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	c mm x 45°	z
5.00	5.00	75	30.0	47.0	0.03	2
6.00	6.00	75	30.0	39.0	0.03	2
8.00	8.00	100	40.0	64.0	0.05	2
10.00	10.00	100	40.0	60.0	0.05	2
12.00	12.00	150	45.0	105.0	0.10	2
16.00	16.00	150	65.0	102.0	0.10	2

CODE NO.
33585.000
33586.000
33588.000
335810.000
335812.000
335816.000

d1 h10 mm	d2 h6 mm	l1 mm	l2 mm	l3 mm	c mm x 45°	z
5.00	5.00	75	30.0	47.0	0.03	3
6.00	6.00	75	30.0	39.0	0.03	3
8.00	8.00	100	40.0	64.0	0.05	3
10.00	10.00	100	40.0	60.0	0.05	3
12.00	12.00	150	45.0	105.0	0.15	3
16.00	16.00	150	65.0	102.0	0.15	3
20.00	20.00	150	65.0	100.0	0.15	3

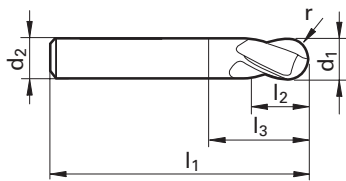
CODE NO.
36805.000
36806.000
36808.000
368010.000
368012.000
368016.000
368020.000

**Available in custom sizes upon request.*

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BALL NOSE END MILLS

Standard	Guhring Std.
Tool Material	Solid Carbide Bright - Signum Coated
Surface	○
Shank Form	HA



d1d10 mm	d1 mm	l1 mm	l2 mm	radius	z
6.00	6.00	60	19	3	2
8.00	8.00	76	28	4	2
9.52	9.52	76	28	4.76	2
9.52	9.52	80	28	4.76	2
10.00	10.00	76	30	5	2
12.00	12.00	90	42	6	2
12.70	12.70	90	42	6.35	2
14.00	14.00	110	55	7	2
16.00	16.00	110	55	8	2
20.00	20.00	115	55	10	2
6.00	6.00	60	19	3	3
8.00	8.00	70	28	4	3
9.52	9.52	75	28	4.76	3
10.00	10.00	75	28	5	3
12.00	12.00	90	42	6	3
12.70	12.70	90	42	6.35	3
14.00	14.00	110	55	7	3
16.00	16.00	110	55	8	3
20.00	20.00	115	55	10	3

CODE NO.	AVAILABILITY
BN 6.0019	○
BN 8.0028	○
BN 9.5228	○
BN 10.0028	○
BN 12.0030	○
BN 12.0042	○
BN 12.7042	○
BN 14.0055	○
BN 16.0055	○
BN 20.0055	○
BN 6.0019	○
BN 8.0028	○
BN 9.5228	○
BN 10.0028	○
BN 12.0042	○
BN 12.7042	○
BN 14.0055	○
BN 16.0055	○
BN 20.0055	○

*Available in custom sizes upon request.

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PCD end mills and FRPC Milling & Drilling Applications

standard and special solutions for the machining of aluminium and FP



- Finest PCD inserts with corner radii for maximum cutting speeds and tool life
- Solid carbide holder with internal cooling for highest process reliability
- Large reach thanks to neck clearance

Economical machining of modern fibre reinforced plastic composites (FRPC) such as carbon fibre and glass fibre reinforced plastics (CFRP/GFRP) requires high-tech tool especially for series production.



PCD SLOT DRILLS (2-FLUTED) CARBIDE SHANK

Tool material

PCD

Surface

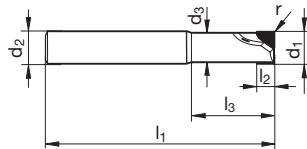
○

Type

H

Shank form

HA



d1	d1	d2h6	d3	l1	l2	l3	r	z	CODE NO.
mm		mm	mm	mm	mm	mm	mm		
4.00	± 0,02	6.00	5.70	51	6.0	6.40	0.1	2	54924.000
5.00	± 0,02	6.00	5.70	51	8.0	8.40	0.1	2	54925.000
6.00	± 0,02	6.00	5.70	57	8.0	20.0	0.1	2	54926.000
8.00	± 0,02	8.00	7.40	63	8.0	26.0	0.1	2	54928.000
8.00	± 0,02	8.00	7.40	63	12.0	26.0	0.1	2	54928.001
10.00	± 0,02	10.00	9.40	72	8.0	30.0	0.1	2	549210.000
10.00	± 0,02	10.00	9.40	72	16.0	30.0	0.1	2	549210.001
12.00	± 0,02	12.00	11.20	83	8.0	36.0	0.1	2	549212.000
12.00	± 0,02	12.00	11.20	83	16.0	36.0	0.1	2	549212.001

**Available in custom sizes upon request.*

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PCD BALL NOSE (2-FLUTED) CARBIDE SHANK

Tool material

PCD

Surface

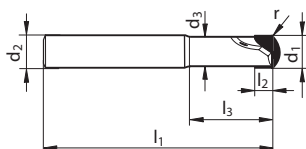
○

Type

H

Shank form

HA



d1 mm	d1 ± 0,02	d2h6 mm	d3 mm	l1 mm	l3 mm	r mm	z
6.00	± 0,02	6.00	5.70	57	20.0	3	2
8.00	± 0,02	8.00	7.40	63	26.0	4	2
8.00	± 0,02	8.00	7.40	63	26.0	4	2
10.00	± 0,02	10.00	9.40	72	30.0	5	2
12.00	± 0,02	12.00	11.20	83	36.0	6	2

CODE NO.
54926.000B
54928.000B
54928.001B
549210.000B
549212.000B

**Available in custom sizes upon request.*

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PCD COMPRESSION MILLING CUTTERS (3-FLUTED)

Tool material

PCD

Surface

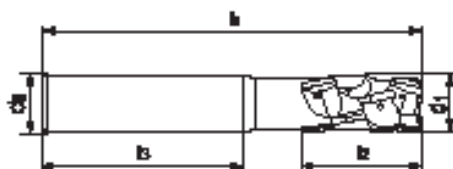
○

Type

H

Shank form

HA



d1 mm	d1 inch	d2 mm	l1 mm	l2 mm	l2 mm	CODE NO.
12.700	1/2	12.000	88.00	25.00	45.00	303 211 231
14.000		14.000	88.00	25.00	45.00	303 211 257
16.000		14.000	88.00	25.00	48.00	303 211 258

**Available in custom sizes upon request.*

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KEVLAR FR100 END MILLS

Tool material

Solid Carbide

Surface

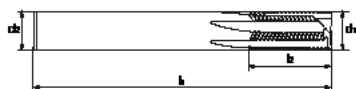


Cutting Direction

Right-hand

Shank Form

HA



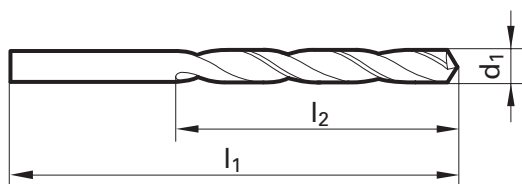
d1 (e10)	d1 (e10)	d2 (h6)	l1	l1	l2	l2	z	CODE NO.
mm	inch	mm	mm	inch	mm	inch		
4.000		6.000	66.00		15.00		4	303 054 052
4.775	3/16	4.775	63.50	2.5	15.00	37/64	4	303 054 053
6.000		6.000	70.00		20.00		4	303 054 054
6.350	1/4	6.350	63.50	2.5	15.00	37/64	4	303 054 055
8.000		8.000	75.00		25.00		6	303 054 056
9.525	3/8	9.525	76.20	2.5	18.00	45/64	6	303 054 057
12.700	1/2	12.700	88.90	3.5	25.40	1	8	303 054 058
								303 054 059

**Available in custom sizes upon request.*

Visit www.guhring.com.au or call us at 1800 639 991

JOBBER DRILLS

Guhring no.	205	9651	5517
Standard	Guhring Std.		
Tool material	HSS	HSS	Solid Carbide
Surface			
Type	N	GU500DZ	N
Cutting Direction		right-hand	
Tolerance	h8	h8	h7
Point Angle	118°	118°	118°



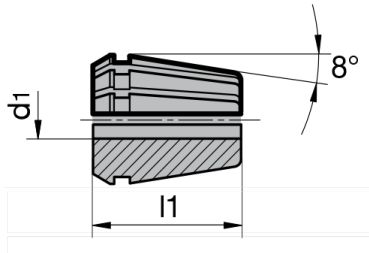
d1		l1	l2	AVAILABILITY		
mm	Inch	mm	mm			
7.140	9/32	109.00	69.00	•	•	•
7.500		109.00	69.00	•	•	•
7.540	19/64	117.00	75.00	•	•	
7.940	5/16	117.00	75.00	•	•	•
8.000		117.00	75.00	•	•	•
8.330	21/64	117.00	75.00	•	•	
8.500		117.00	75.00	•	•	•
8.730		125.00	81.00	•	•	•
9.000		125.00	81.00	•	•	•
9.130	23/64	125.00	81.00	•	•	
9.500		125.00	81.00	•	•	•
9.520	3/8	133.00	87.00	•	•	
9.920	25/64	133.00	87.00	•	•	
10.000		133.00	87.00	•	•	•
10.320	13/32	133.00	87.00	•	•	
10.500		133.00	87.00	•	•	•
10.720	27/64	142.00	94.00	•	•	
11.000		142.00	94.00	•	•	•
11.110	7/16	142.00	94.00	•	•	•
11.500		142.00	94.00	•	•	•
11.510	29/64	142.00	94.00	•	•	
11.910	15/31	151.00	101.00	•	•	
12.000		151.00	101.00	•	•	•
12.300	31/64	151.00	101.00	•	•	
12.700	1/2	151.00	101.00	•	•	
13.000		151.00	101.00	•	•	

*Available in custom sizes upon request.
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COLLETS

Guhring no.	4307
Standard	Guhring std.
Tool material	HSS

ER-32 COLLETS



Code No.	nom. size	clamping range d_1	l_1
		mm	mm
2.032	ER32 (470E)	2.0-1.0	40.0
2.532	ER32 (470E)	2.5-1.5	40.0
3.032	ER32 (470E)	3.0-2.0	40.0
4.032	ER32 (470E)	4.0-3.0	40.0
5.032	ER32 (470E)	5.0-4.0	40.0
6.032	ER32 (470E)	6.0-5.0	40.0
7.032	ER32 (470E)	7.0-6.0	40.0
8.032	ER32 (470E)	8.0-7.0	40.0
9.032	ER32 (470E)	9.0-8.0	40.0
10.032	ER32 (470E)	10.0-9.0	40.0
11.032	ER32 (470E)	11.0-10.0	40.0
12.032	ER32 (470E)	12.0-11.0	40.0
13.032	ER32 (470E)	13.0-12.0	40.0
14.032	ER32 (470E)	14.0-13.0	40.0
15.032	ER32 (470E)	15.0-14.0	40.0
16.032	ER32 (470E)	16.0-15.0	40.0
17.032	ER32 (470E)	17.0-16.0	40.0
18.032	ER32 (470E)	18.0-17.0	40.0
19.032	ER32 (470E)	19.0-18.0	40.0
20.032	ER32 (470E)	20.0-19.0	40.0

AVAILABILITY
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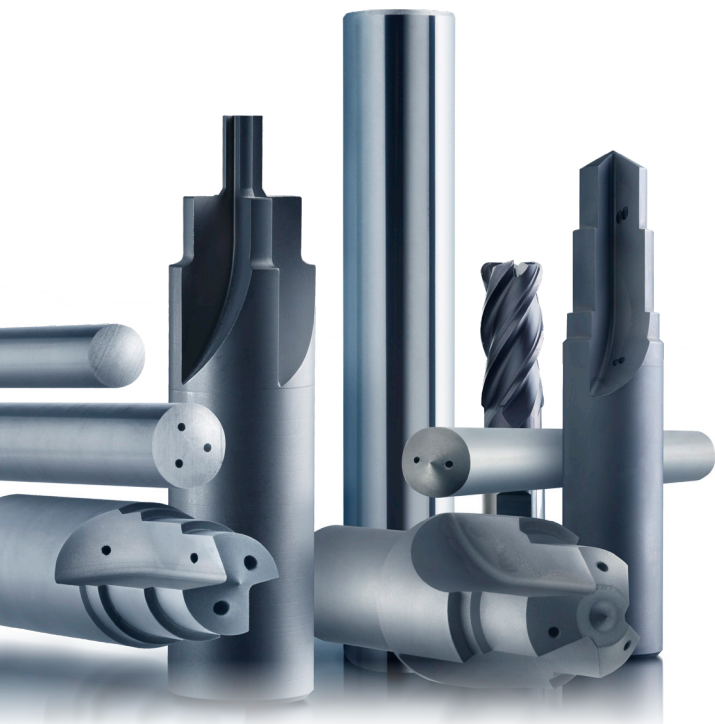
ER-16, ER-20, ER-25 available on request



Guhring Australia has become a one-stop shop for offering a range of high performance cutting tool solutions, including a local Production and Service Division that manufactures solid carbide special tools in-house, from step drills and reamers to complex form tools and milling cutters. The local grinding division also offers a comprehensive resharpener service for both original Guhring tools as well as competitor products. The division is also equipped with its own in-house PVD coating centre for depositing a range of advanced ceramic coatings.

“THE SHORTEST DELIVERY TIMES FOR THE HIGHEST QUALITY SPECIAL TOOLS WITH PVD COATING!”

Guhring Australia draws on the wealth of knowledge and experience from our eleven years since setting up our special tools division. In addition, with support from our parent company in Germany, we are able to offer rapid delivery of custom-made special tools at highly competitive prices, complete with in-house coating facilities. If the need arises our highly experienced local team can deliver special coated carbide cutting tools within 48 hours. No other cutting tool company can offer such a rapid and complete solution in Australia.



High quality carbide

Guhring Australia uses only German-made Guhring carbide rods for the in-house production of special tools. A large range of carbide rods are kept in stock to meet the increasing demands from the machine-tool industry for the highest possible performance from specialist cutting tools.

Re-grinding

Worn tools don't belong on the scrap heap. Regrinding can offer a highly cost effective solution to reduce overall tooling costs by regrinding and recoating tools to near as-new condition. The service is not only for Guhring tools but also competitor products.

Get a quotation now

Quotation within 24 hours!
Tool delivery within 3 weeks!
Call us on 1800 639 991

GUHRING

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Email orders: sales@guhring.com.au

6 Jacks Road, Oakleigh South, VIC 3167

www.guhring.com.au

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