

# FULLMAX UNIVERSAL REAMERS

A solution for peak performance in reaming.  
Now with a solution for peak service.



As your KOMET SERVICE<sup>®</sup> Partner, we can refurbish your KOMET DIHART<sup>®</sup> Fullmax universal reamers along with most of your other solid carbide tools!

## The Fullmax features:

- Ease of selection: One geometry and a universal coating are suitable for all materials.
- High performance: Shortest lead time, lowest cost, highest cutting parameters among our KOMET DIHART<sup>®</sup> line of reamers.
- Availability in a diameter range from 0.1165" – 0.7894" (2.96 – 20.05 mm) in both through and blind hole versions.
- Common metric sizes available in stock.

Call us today – We offer professional regrinding services, original recoating, transparent quotes and pricing, as well as local pickup and delivery.

KOMET SERVICE – Fast. Easy. Complete.

The KOMET DIHART® Fullmax reamers are offered in custom bore sizes and tolerances in the size ranges shown below, all with a four-week lead time.

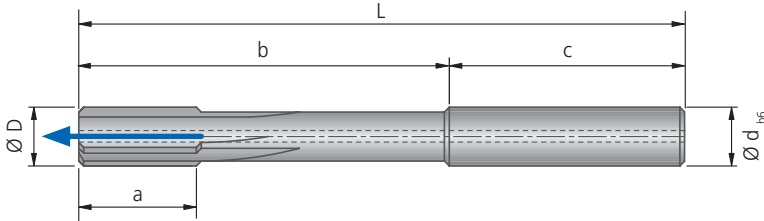
Dimensions (..) = mm					
Ø D	Cylindrical shank Ø d x c	L	b	a ~	Ne of teeth
0.1165" – 0.1596" (2.959 – 4.054)	0.157" x 1.102" (4 x 28)	2.362" (60)	1.260" (32)	0.472" (12)	4
0.1597" – 0.2382" (4.055 – 6.050)	0.236" x 1.417" (6 x 36)	2.992" (76)	1.575" (40)	0.472" (12)	4
0.2383" – 0.3170" (6.051 – 8.051)	0.315" x 1.417" (8 x 36)	3.976" (101)	2.560" (65)	0.630" (16)	6
0.3171" – 0.3957" (8.052 – 10.051)	0.394" x 1.575" (10 x 40)	4.252" (108)	2.677" (68)	0.630" (16)	6
0.3958" – 0.4744" (10.052 – 12.050)	0.472" x 1.772" (12 x 45)	5.118" (130)	3.346" (85)	0.787" (20)	6
0.4745" – 0.5532" (12.051 – 14.052)	0.551" x 1.772" (14 x 45)	5.118" (130)	3.346" (85)	0.787" (20)	6
0.5533" – 0.6319" (14.053 – 16.050)	0.630" x 1.890" (16 x 48)	5.906" (150)	4.016" (102)	0.787" (20)	6
0.6320" – 0.7106" (16.051 – 18.050)	0.709" x 1.890" (18 x 48)	5.906" (150)	4.016" (102)	0.787" (20)	6
0.7107" – 0.7894" (18.051 – 20.050)	0.787" x 1.969" (20 x 50)	6.230" (160)	4.331" (110)	0.787" (20)	6

Preferred sizes are available from stock, in Ø 4 mm, Ø 5 mm, Ø 6 mm, Ø 7 mm, Ø 8 mm, Ø 9 mm, Ø 10 mm, Ø 11 mm, Ø 12 mm and Ø 16 mm with H7 tolerance.

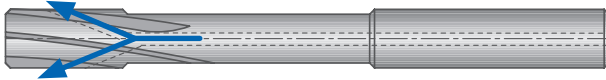
Sizes in divisions of 0.01 mm, within a range of ±0.03 mm of the preferred sizes enumerated above, are also available with tolerances of (+0.004mm for Ø3,970 – 5,030 mm) & (+0.005mm for Ø5,970 – 16,030 mm).

The Fullmax, with its universal geometry and coating, is the easiest reamer to select of the entire KOMET DIHART® line!

**52M.57 - for blind hole machining**



**52P.57 - for through hole machining**



**KOMET DIHART® Fullmax - order example**

Blind hole:  
 Order No. **52M.57** • Bore diameter **0.242"** • Bore tolerance  $\pm 0.0003"$

Through hole:  
 Order No. **52P.57** • Bore diameter **0.242"** • Bore tolerance  $\pm 0.0003"$

**Reaming allowance in diameter (inch)**

	Ø 0.117 - 0.159	Ø 0.160 - 0.238	Ø 0.239 - 0.297	Ø 0.298 - 0.474	Ø 0.475 - 0.632
<b>P M K N S H</b>	0.004-0.008	0.004-0.008	0.008	0.008	0.008-0.012

**\*Remember: With our sharpening services that restore original KOMET geometries, you'll get the maximum tool life out of your KOMET DIHART® Fullmax reamer. Be sure to ask us about our other solid carbide tooling refurbishment services.**

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Please consult our catalogs or [www.komet.com](http://www.komet.com) for more information and all part numbers.