

NORTON

SAINT-GOBAIN

FURIOSO STATIONARY DIAMOND DRESSING PLATES AND SHANK TOOLS

Automotive

Aerospace

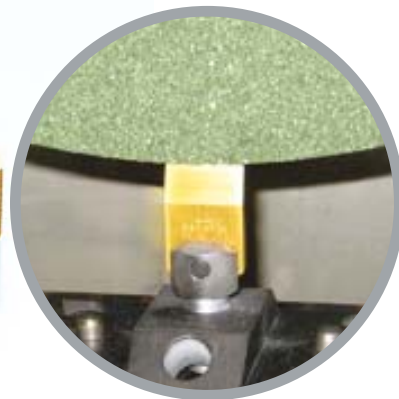
Bearing

Cutting Tool

Tool/Job Shop

Engineered to Dress Modern Ceramic Alumina Grinding Wheels

Furioso plates and shank tools are made with a new generation of highly wear-resistant diamond and bond, specifically designed to stand up to the rigors of dressing modern ceramic alumina grinding wheels, including Norton Quantum wheels.



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TECHNOLOGY

OPTIMIZING THE BEST WHEEL'S PERFORMANCE

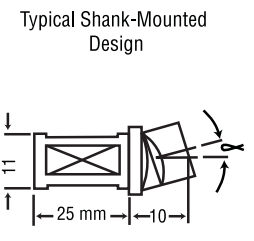
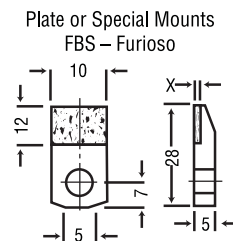
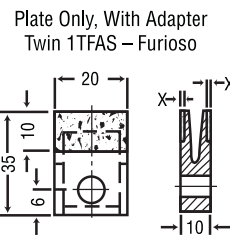
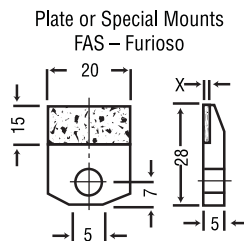
FEATURES

- The optimized combination of diamond quality and placement, with an advanced bond system

BENEFITS

- Improved wear-resistance
- Excellent dressing behavior
- Optimum dressing consistency
- Constant surface roughness
- Enhanced tool life

Standard Furioso Plate Drawings



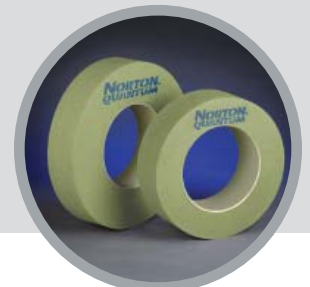
Furioso case history

GRINDING WHEEL: 24 x 6 x 12 3NQ60-NVS Quantum ceramic alumina centerless wheel

INCUMBENT DRESSING TOOL: Diamond blade stationary tool

TEST TOOL: Furioso FAS Series, DT1466 shank tool

RESULTS: **The Furioso tool life was twice as long as the incumbent dressing tool life and achieved a more consistent finish**



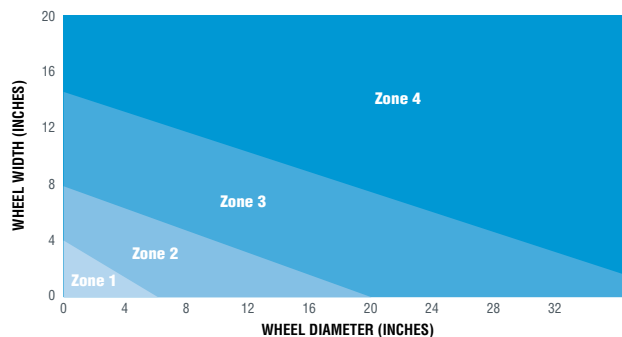
FURIOSO STATIONARY DIAMOND DRESSING PLATES AND SHANK TOOLS

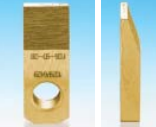


Furioso Plates; Side-Mounted and Twin

Wheel/Furioso Tool Selection Graph

Use this Wheel/Tool Selection Graph to identify your grinding wheel's Zone number, and the chart below to find the Furioso tool for your application.

Select Zone based on wheel diameter and width.



ZONE NO. / SERIES	WHEEL GRIT SIZE	TOOL NO.	UPC NO.	DESCRIPTION
SIDE-MOUNTED				
 ZONE 2 FBS Series	36 - 54	DT1463	69014122948	FBS 140 Furioso
	54 - 80	DT1462	69014122947	FBS 115 Furioso
	80 - 120	DT1461	69014122946	FBS 90 Furioso
	120 - 180	DT1460	69014122944	FBS 75 Furioso
 ZONE 3 FAS Series	36 - 54	DT1467	69014122952	FAS 140 Furioso
	54 - 80	DT1466	60157690579	FAS 115 Furioso
	80 - 120	DT1465	60157693885	FAS 90 Furioso
	120 - 180	DT1464	69014122950	FAS 75 Furioso
TWIN				
 ZONE 4 1TFAS Series	36 - 54	DT1471	69014122956	1TFAS 140 Furioso
	54 - 80	DT1470	69014122955	1TFAS 115 Furioso
	80 - 120	DT1469	69014122954	1TFAS 90 Furioso
	120 - 180	DT1468	69014122953	1TFAS 75 Furioso

BLADE SIZE

DESCRIPTION	DIMENSION
1 FBS	10 mm thick, 15 mm usable length
2 FAS	20 mm thick, 15 mm usable length
3 TFAS	Twin blade with cooling duct

DIAMOND GRIT SIZE

DESCRIPTION	FEPA
140	D1181
115	D1001
90	D711
75	D501

ALL FURIOSO PLATES SHOWN SHIP IN 10 BUSINESS DAYS FROM RECEIPT OF ORDER.

Furioso Shank Tools

Made-to-order Furioso shank tools are also available. Ask your Norton representative for ordering assistance. All plates can be mounted onto shanks at any position and offset angle needed (as pictured on this page).

SHANK TOOLS SHIP IN 10 BUSINESS DAYS FROM RECEIPT OF ORDER.

Side-Mounted Diamond Sections

Tools are available in different offset positions and angles.



OFFSET LEFT, SPECIFY ANGLE AMOUNT

ZERO OFFSET

OFFSET RIGHT, SPECIFY ANGLE AMOUNT

Tipping the Diamond Plates on Shank Tools

Diamond sections can be tipped right or left.



DIAMOND TIPPED LEFT, SPECIFY ANGLE

DIAMOND TIPPED RIGHT, SPECIFY ANGLE

THERE ARE MANY DIFFERENT DIAMONDS MAKING UP A SINGLE PLATE, AS THIS CUT-AWAY VIEW SHOWS.

BEST

For most abrasive applications, Norton offers up to three product performance levels – GOOD, BETTER and BEST. Norton Furioso diamond dressing plates and shank tools are in the BEST tier. They represent products that are unmatched in the industry and provide the lowest total cost for the application.

To put Norton abrasives to work for you, call your local Norton distributor or visit our website at www.nortonabrasives.com to view our online catalog and learn about our latest products and applications.



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