Kiru Kezuru Migaku

DISCO

Grinding Wheels

GF01 SERIES

Realizes optimum wheel life by employing a new base

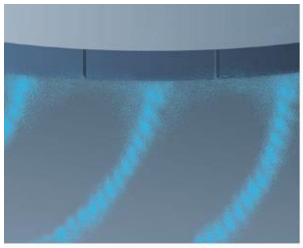
Improved Grinding Performance and Consistency

The newly developed GF01 Series in-feed grinding wheels feature a special aluminum base unique to DISCO. This base delivers grinding water even more efficiently than the IF Series, resulting in highly consistent processing and optimized wheel life.

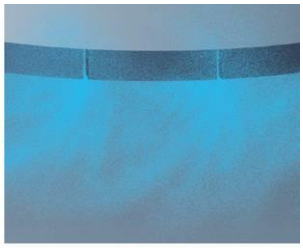
- Special wheel base delivers grinding water in a highly efficient manner
- Bond selection is identical to that of the IF Series, making transition easy.
- Series offers highly precise grinding results and exceptionally consistent grinding performance.
- GF01 employs PP (made of polypropylene) for ø200 and ABS resin for ø300 as a resin package that is excellent in recyclability, generates low lint, and can also be used for clean rooms.

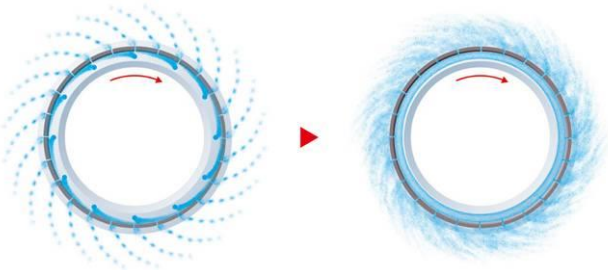
■Pattern of Grinding Water Delivery

IF Series Design



New GF01 Series Design





Applications
Silicon wafers, Compound semiconductor wafers, Crystal materials for electronics components, etc.

GF01 SERIES

Product Lineup

By combining various bond types and grit sizes, the GF01 Series realizes stable film processing and thin grinding of the wafer backside.

Rough Grinding

Handles a variety of materials, including oxide and nitride layers, and realizes consistent processing results.

VS: Standard bond

BT300: Bond realizing both good processing quality and long life

BT100: For Ultrathin grinding

Fine Grinding

Specially-formulated resin bonds allow for reduced depth of damage and highly dependable grinding quality. Designed for improved TTV and surface roughness, the GF01 Series fine-grinding wheels combine high processing quality with optimized wheel life.

BK01: For enhanced grinding performance

BK02: For reduced wheel wear

BK04: Standard bond

BK09: For high-load grinding

Specifications

Segment indication	Shape	Arrangement
ST	Segment	Trianglular
SR	Segment	Circular
WS	Special	Special

Special specification

GF01 – SD 360 – VS – 100 – A**** 200 × 4W × 4T – ST

Grit type
SD
SDC

Grit size	
320	#320
360	#360
400	#400
600	#600
800	#800
1000	#1000
1200	#1200
1400	#1400
1500	#1500
1700	#1700
2000	#2000
3000	#3000
4000	#4000

	Bond	Concentration
Rough grinding (Z1)	VS	100
	BT100	50
	BT300	50
Fine grinding (Z2)	BK01	200
	BK02	100
	BK04	100
	BK09	100

Wheel size
200
300
(mm)

Segment width	Segment height
4.0	4.0
4.0	5.0
4.0	5.0
4.0	5.0
4.0	5.0
2.0	5.0
3.0	5.0

Segment dimensions (mm)

These two columns reflect standard dimensions; dimensions may vary to match the customer's specification.

When ordering

Please contact a DISCO representative with any product needs such as type, wheel size, and quantity.

When you place the first order with us, please provide application information such as materials to grind, sizes, machine, type, and other specifications.

We are ready to help you to determine which of our products is most appropriate for your application.

Due to improvements in our products, it is possible that product specifications may be changed without advanced notice.

Please confirm the product specifications with a DISCO representative.

To use these DISCO blades and wheels (hereafter precision tools) safely...
Please read carefully and follow the instructions below to prevent any accidents or injuries.

- USE a safety cover (nozzle case, cover), equipped as a standard accessory, to avoid injury.
- DO NOT EXCEED the specified rpm limit indicated on the precision tools.
- FOLLOW the equipment's instruction manual to mount the precision tools properly.
- DO NOT DROP OR HIT the precision tools. This may cause breakage or injury.
- Always CHECK the precision tools for chipping or any other damage before starting to use it. DO NOT USE the tools if there is any damage.
- READ the operation manual for the cutting/grinding equipment before use.
- DO NOT USE the precision tools with modified or customized equipment.
- DO NOT USE precision tools that are a different size from the one recommended for your equipment.
- DO NOT USE the precision tools for any other purpose than grinding, cutting, or polishing.
- Always USE water or coolant to prevent damage to the precision tools.

DISCO CORPORATION
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