

Glass Processing Specification Sheet

15 products in 7 categories.

Bello Diamond Tools Co., Ltd
18 Pingyuan Road, Shangqiu, Henan, 476000, China
Tel +86-370-7981119 · Fax +86-370-7981118
sales@bellotool.com · <https://bellotool.com>

Specifications in this document are taken from the plant specification sheets. Sizes not listed are quoted on request. Bond, diamond concentration and grit are specified per application — send the material, the machine and the size with your enquiry.

Glass Processing

7 categories · 15 products

Polishing Wheels (4)

10S BD BK and wool felt wheels for the glass polishing sequence

10S Polishing Wheels

Polishing Wheels — 10S wheels for fine grinding before polishing

The 10S wheel is the step between squaring and polishing, where the edge loses its grinding marks. Item IDs GA130S40-GA150S60 cover the standard glass machine sizes.

Application: Used for fine grinding and polishing glass after the procedure made by diamond squaring wheels

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Size(mm)	Model
GA130S40	D130 * H60 * T35	10S40
GA150S40	D150 * H70 * T40	10S40
GA150S60	D150 * H70 * T40	10S60
GA150S80	D150 * H70 * T40	10S80

BD Polishing Wheels

Polishing Wheels — BD wheels for fine glass polishing

BD wheels follow BK or the fine squaring wheels and take the edge to a fine polish. Item IDs GA100BD15-GA200BD25 cover 15 to 25 mm working thicknesses.

Application: used for fine polishing of glass after BK polishing wheels or diamond fine squaring wheels

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Size(mm)
GA100BD15	D100 * H22 /25.4/50* T15
GA100BD20	D100 * H22 /25.4/50* T20
GA100BD25	D100 * H22 /25.4/50* T25
GA100BD30	D100 * H22 /25.4/50* T30
GA150BD15	D150 * H22 /25.4/50* T15
GA150BD20	D150 * H22 /25.4/50* T20
GA150BD25	D150 * H22 /25.4/50* T25
GA150BD30	D150 * H22 /25.4/50* T30
GA200BD15	D200 * H22 /25.4/50/90* T15
GA200BD20	D200 * H22 /25.4/50/90* T20
GA200BD25	D200 * H22 /25.4/50/90* T25
GA200BD30	D200 * H22 /25.4/50/90* T30

BK Polishing Wheels

Polishing Wheels — BK wheels for first and second glass polishing

BK wheels do the first and second polish, turning a ground edge into a polished one. Item IDs GA150BK15-GA200BK25 cover the common thickness range.

Application: used for the first and the second polishing after fine grinding

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Size(mm)	Model
GA150BK15	D150 * H22 * T15	BK40 , BK60 , BK80 , BK120 , BK150 , BK180
GA150BK20	D150 * H22 * T20	
GA150BK25	D150 * H22 * T25	
GA150BK30	D150 * H22 * T30	
GA180BK20	D180 * H22 * T20	
GA180BK25	D180 * H22 * T25	
GA200BK25	D200 * H105 * T25	

Wool Felt Polishing Wheels

Polishing Wheels — Wool felt wheels for high gloss with cerium oxide

The last step is felt and cerium oxide together, which is what produces a gloss you can see a reflection in. Item IDs GA150WF-GA200WF pair with the FY powder grades.

Application: used together with cerium oxide polishing powder to get high gloss of the glass

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Size(mm)
GA150WF	D150 * H25 /25/70* T25 /30/35/40
GA180WF	D180 * H70 /105* T25 /30/35
GA185WF	D185 * H70 /115* T25 /30/35
GA200WF	D200 * H25 /25/70* T25 /30/35/40
GA300WF	D300 * H25 /25/70* T25 /30/35/40
GA380WF	D380 * H25 /25/70* T25 /30/35/40
GA450WF	D450 * H25 /25/70* T25 /30/35/40

Metal Bond Diamond Wheels (4)

Metal bond wheels for glass edging bevelling and shaping

Metal Bond Diamond Wheel for Bevelling Machine

Metal Bond Diamond Wheels — Bevelling wheels that clear grinding scraps

On a bevelling machine the wheel has to remove grinding scraps cleanly or they score the bevel face. Item IDs GA150BE and GA175BE are the metal bond stage of that sequence.

Application: Used on beveling machine to remove grinding-scrap

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	W(mm)	T(mm)	X(mm)	Segment	Grit size
GA150BE	150	5, 6, 8	35	8, 10, 12	Full segment Step Half segment Step Continuous rim Step Full segment Cup Half segment Cup Continuous rim Cup Full segment Bowl Half segment Bowl Continuous rim Bowl	80#, 100#, 120#, 150#, 180#, 240#, 320#
GA175BE	175					

Metal Bond Diamond Wheel for Double Edging Machine

Metal Bond Diamond Wheels — Double edger wheels for rough grinding and chamfering

A double edger works both edges at once, so the wheels have to be matched and hold their profile together. Item IDs GA150SE and GA175SE run 80, 100 and 120 grit for rough grinding.

Application: used for rough grinding, fine grinding and chamfering on glass double edging machine. 80#, 100#, 120# are for rough grinding, 150#, 180# are for fine grinding, 240#, 320# are for finishing process

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	W(mm)	T(mm)	X(mm)	Segment	Grit size
GA150SE	150	8, 10, 12, 15	35	8, 10, 12	Continuous rim segment Full segment Half segment	80#, 100#, 120#, 150#, 180#, 240#, 320#
GA175SE	175					

Metal Bond Diamond Wheel for Special Shape Edging Machine

Metal Bond Diamond Wheels — Shaped edging wheels for architectural and auto glass

Shaped edges on automotive, furniture, appliance and building glass each need their own wheel profile. Item IDs GA50SS-GA200SS cover the special shape edging range.

Application: used for make special shape edges for building materials glass, automotive glass, furniture glass, electrical information glass and optical glass

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	W(mm)	Segment	Grit size
GA50SS	50	3, 4, 5, 6, 7, 9, 11, 16, 20, 25	Trapezoid(PT) Round(PE) Duckbilled(OG)	80#, 100#, 120#, 150#, 180#, 210#, 240#, 320#
GA100SS	100			
GA150SS	150			
GA175SS	175			
GA200SS	200			

Metal Bond Diamond Wheels for Straight-line Edging Machine

Metal Bond Diamond Wheels — Rough grinding wheels for straight-line edgers

Straight-line edging starts with rough grinding, where 80, 100 and 120 grit take the arris off before the finer steps. Item IDs GA130SE-GA175SE fit standard edging machines.

Application: used for rough grinding, fine grinding and chamfering on glass straight-line edging machines. 80#, 100#, 120# are for rough grinding, 150#, 180#, 240#, 320# are for fine grinding.

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	W(mm)	T(mm)	X(mm)	Segment	Grit size
GA130SE	130	8, 10, 12, 15	35	8, 10, 12	Continuous rim segment	80#, 100#, 120#, 150#, 180#, 240#, 320#
GA150SE	150	Full segment				
GA175SE	175	Half segment				

Diamond Blades for Glass (2)

Continuous rim and segmented blades for flat and laminated glass

Continuous Rim Diamond Balde for Glass

Diamond Blades for Glass — Closed rim for chip-free glass cutting

Glass shows every fault at the edge, which is why a closed rim is the default for flat glass cutting. Item IDs GA80CR-GA350CR cover shop and line machines.

Application: for smooth, fast and chip-free cutting glass

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon request

Item ID	Diameter(mm)	Segment	
Height(mm)	Thickness(mm)		
GA80CR	80	5/6/7/8	1.5
GA105CR	105	5/6/7/8	1.8

Item ID	Diameter(mm)	Segment	
GA110CR	110	5/6/7/8	1.8
GA125CR	125	5/6/7/8	1.9
GA150CR	150	7/8	1.9
GA200CR	200	7/8	2.2
GA250CR	250	7/8	2.2
GA300CR	300	7/8	2.4
GA350CR	350	7/8	2.4

Segmented Diamond Blade for Glass

Diamond Blades for Glass — Segmented blade for laminated glass

Laminated glass has an interlayer that gums a closed rim, and the slots are what keep the blade cutting through it. Item IDs GA300SG and GA350SG cover flat and laminated work.

Application: used for smooth, fast and chip-free cutting flat glass and laminated glass

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	Segment	
Height(mm)	Thickness(mm)		
GA300SG	300	7, 8, 9	2.2, 2.4, 3.0
GA350SG	350		

Resin Bond Diamond Wheels (2)

Resin bond wheels for fine and finish grinding on glass

Resin Bond Diamond Wheel for Beveling Machine

Resin Bond Diamond Wheels — Resin bond finishing for bevelled glass edges

The finish stage on a bevel decides whether the polish comes up clear or hazy. Item ID GA150RB covers fine and finish grinding after the squaring wheels.

Application: used for fine and finish grinding work after diamond squaring wheels procedure on glass beveling machines

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	W(mm)	T(mm)	X(mm)	Segment	Grit size
GA150RB	150	20	38	10	Bowl type with flume Continuous rim bowl type Cup type with flume Continuous rim bowl type	180#, 240#, 320#, 400#, 600#

Resin Bond Diamond Wheel for Straight-line Edging Machine

Resin Bond Diamond Wheels — Fine and finish grinding on straight-line edgers

After metal bond rough grinding the edge still carries a scratch pattern that has to go before polishing. Item IDs GA150RE and GA175RE handle fine grinding, finish grinding and chamfering.

Application: Used for fine grinding, finish grinding and chamfering on ordinary glass followed the rough grinding made by diamond squaring wheels

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	W(mm)	T(mm)	X(mm)	Grit size
GA150RE	130	10	38	10	180#, 240#, 320#, 400#, 600#
GA175RE	150				

Cerium Oxide Polishing Powder (1)

Cerium oxide polishing powder for glass polishing lines

Cerium Oxide Polishing Powder

Cerium Oxide Polishing Powder — Thirteen FY grades for glass polishing lines

Polishing powder is bought on index values rather than on a promise, so the chemical and physical index of every FY grade is published. Item IDs FY-1660 through FY-H109 cover high-rate and high-gloss work.

Item ID	Chemical Index	Physical Index							
TREO	CeO ₂ /REO	F	PH	D50	D90	Poisson ratio	Suspension	Color	
FY-1660	≥96	70±5	4-7	7±1	1.0±0.1	≤2.82	1.0±0.1	≤3ml	White/Pink
FY-1667	≥94	70±5	4-7	7±1	1.0±0.1	≤3.2	1.0±0.1	≤4ml	White
FY-T106	≥96	≥80	4-7	7±1	1.2±0.1	≤3.2	0.8±0.1	≤3ml	White/Pink
FY-H109	≥96	75±2	4-7	7±1	2.0±0.2	≤5.2	≥1.3	≤3ml	White/Pink
FY-H108	≥90	60±5	4-7	7±1	2.0±0.2	≤8.0	0.7±0.1	≤10ml	Pink
FY-H107	≥96	≥80	4-7	7±1	1.3±0.1	≤4.0	1.0±0.1	≤3ml	White/Pink

Item ID	Application Range	Application Products
FY-1660	High precise polishing for soft and softer optical glass	LCD monitor & IC optical film
FY-1667	Polishing for precise optical lens and LCD monitor	Precise optical lens & LCD monitor
FY-T106	High-speed polishing for softer precise optical glass	Precise optical lens & Glass mould
FY-H108	Polishing for high-lead hard glass	Rhinestone & Crystallized glass
FY-H109	Pre-treatment for glass	Flat glass
FY-H107	Polishing for medium hard glass	Watch glass & Art glass

Drill Bits and Countersink (1)

Core bits and countersinks for chip-free glass drilling

Diamond Core Bits and Countersinks

Drill Bits and Countersink — Matched core bits and countersinks for glass

A hole in glass needs its arris removed or the fixing starts a crack, so the bit and the countersink are supplied to agree. Sizes are quoted against your hole schedule.

Application: used for fast and chip-free drilling work on glass

Bond: please inform your glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request

Item ID	Diameter(mm)	Width(mm)	Length(mm)
GADBC	5, 6, 8, 10, 12, 16, 20, 30, 40, 50, 60, 70, 80, 90, 100, 120	1, 2, 3	65, 75, 95, 105

CNC Diamond Tools for Glass (1)

Diamond routers for CNC glass machining

Diamond Routers for Glass

CNC Diamond Tools for Glass — Routers for CNC glass machining centres

A CNC glass centre is only as accurate as what is in the spindle, and bond choice follows your glass and feed rate. Shanks and sizes are made to your machine.

Application: Used for CNC processing machine on glass

Bond: please inform your the sizes and glass information, we will choose the best bonding for you

Remark: other sizes are available upon customer's request