



Polishing Wheels *FiveP*

Visual finishing, i.e. polishing is the last step in the processing of glass edges. Whether industrial finish or high gloss, polishing is becoming increasingly important in mass production. The wide range of polishing tools available caters for a wide range of demands on surface quality.

Polishing wheels for linear edge processing

Depending on the required surface gloss, tools in different bond types and grit sizes are put to use. State your machine specification and relevant station, we would be happy to help you choose the right polishing tools for your application. Contact our authorized distributor.



Polishing wheels for CNC edging

CNC glass edge processing focuses on profile stability, required surface gloss and tool life. Peripheral grinding wheels, with or without profile are available in different versions. Please feel free to contact us with your polishing tasks and we will be glad to assist you.



FiveP-EL For Polishing On Linear Machines

Cup Wheels

Our FiveP-EL polishing wheels for glass edge polishing on linear single and double sided machines consist of a homogenous and very wear resistant polyurethane bond. They are specially developed for polishing straight edges following the diamond stations. FiveP-EL wheels allow you to generate a very good surface finish of the glass edge. For achieving highest gloss and brilliance we suggest to use in addition our cerium oxide products FiveP-PR and FiveP-PE.

Suitable to every machine type, FiveP-EL wheels are available as cup or peripheral wheels with the required diameters and connections and can be delivered in the following grit sizes.

- GR 46 Very Coarse
- GR 60 Coarse
- GR 80 Medium Coarse
- GR 120 Medium Fine
- GR 180 Fine
- GR 220 Very Fine

Application Parameters:

Maximum Wheel RPM: 3,400 per/minute
 Operating temperature: 30°C to 60°C
 Operating Pressure: 0.5 to 3.0 bar
 Coolant: Water



FiveP-EL Cup Wheels Sizes			
Outer Diameter (mm)	Height (mm)	Bore (mm)	Inner Diameter (mm)
90	50	22-25	50
100	30	22-30-35-50	74
100	35	22	65
100	45	50	60
125	35	22	80
125	35	22	90
125	35	22	105
130	30	60	90
130	35	50	90
130	35	60	90
150	30	70	105
150	35	22	105
150	40	22	110
150	40	50-68-70	105
150	40	50-68-70	110
150	25	100	125
170	40	60-68	125

FiveP-EL For Polishing On Linear Machines

Peripheral Wheels

FiveP-EL Peripheral Wheels Sizes		
Outer Diameter (mm)	Width (mm)	Bore (mm)
100	15	22-25-30
100	20	22-25-50
100	25	22-25-30-50-60-70-80
100	30	22-25-30-35-40-50-60
100	35	22-25-50-60-70
100	40	22
100	45	22
100	50	22
120	15	22-35
120	20	22
120	25	22-35-50-80
120	30	22-35
125	15	25
125	25	22-80-90
125	30	22
150	15	22-25-50-70-90
150	20	22-25-30-40-50
150	25	22-25-30
150	30	22-25-40-50
150	35	22
200	15	60
200	20	60
200	25	60
200	15	90
200	20	90
200	25	90
200	15	130
200	20	130
200	25	130
250	30	50



FiveP-PR Cerium For High Gloss Finishing On Linear Machines

Cup Wheels



Our FiveP-PR polishing wheels for the perfect high gloss finish on linear single and double sided machines have a high performance bond made of synthetic rubber. When used with water as coolant these wheels achieve a high gloss finish edge for high value premium glass

FiveP-PR cerium oxide wheels are available as cup and circumferential wheels in all prevalent dimensions.

Attention:

Use these wheels with a maximum RPM of 1,700 per/minute.

Application Parameters:

Maximum Wheel RPM: 1,700 per/minute
Operating temperature: 30°C to 60°C
Operating Pressure: 0.5 to 2.8 bar
Coolant: Water

FiveP-PR Cerium Cup Wheels Sizes			
Outer Diameter (mm)	Height (mm)	Bore (mm)	Inner Diameter (mm)
100	35	50	60-70
100	35	60	60-70
130	35	50	90
130	35	60	90
150	25	100	125
150	30	22	110
150	40	22	110
150	30	50-68-70	110
150	40	50-68-70	110
170	40	68	125

FiveP-BL For Arris Grinding And Polishing Linear Machines Cup Wheels

These wheels were developed specially for arising. They consist of a high quality resin which exhibits a very good cutting ability, yet at the same time show a very good wear resistance. For this reason, these wheels allow to generate a high quality industrial edge even on machines without a diamond arris grinding station. FiveP-BL cup wheels are available in all prevalent dimensions.

The FiveP-BL wheels can be delivered in the following grit sizes:

- 280 GR medium fine, for use on machines without diamond arrissing wheels
- 400 GR fine, for the use following a diamond arrissing wheel
- 600 GR extra fine, for the use following a diamond arrissing wheel

Application Parameters:

Maximum Wheel RPM: 3,400 per/minute
 Operating temperature: 30°C to 60°C
 Operating Pressure: 0.5 to 3.0 bar
 Coolant: Water



FiveP-BL Arrissing Cup Wheels Sizes			
Outer Diameter (mm)	Height (mm)	Bore (mm)	Inner Diameter (mm)
100	30	60	60-70
100	35	22-30-35-50	60-70
100	35	11-40	60
125	35	22	80
125	35	22	90
125	35	22	105
130	30	60	90
130	35	50	90
130	35	60	90
150	40	22	110
150	30	50-68-70	110
150	40	50-68-70	110
150	30	Ring	110

FiveP-PE Felt Wheels For Polishing With Cerium Oxide

Felt Wheels



FiveP-PE felt wheels for polishing with cerium oxide subsequent to pre-polish consist of a polyester felt reinforced with adapted resins. This mixture guarantees a very high lifetime of the felt wheels and the efficient use of the used cerium oxide or alternative polishing product. The FiveP-PE felt wheels complete the polishing process for the production of the perfect high-gloss edge finish.

FiveP-PE felt wheels are available in all prevalent geometries.

Application Parameters:

Maximum Wheel RPM:	1,700 per/minute
Operating temperature:	30°C to 50°C
Operating Pressure:	0.5 to 3.0 bar
CeO ₂ -Concentration:	100 to 150 g/l

FiveP-PE Felt Wheels Sizes

Outer Diameter (mm)	Height (mm)	Inner Diameter (mm)	Outer Diameter (mm)	Height (mm)	Inner Diameter (mm)
100	25	25	150	40	105
100	25	40	150	25	110
125	25	40	150	35	110
125	35	70	150	25	115
130	25	70	160	50	70
130	30	70	170	25	70
130	35	70	170	40	70
130	40	70	170	25	90
140	25	70	175	40	70
150	25	25	175	35	105
150	30	25	185	25	115
150	40	25	185	30	115
150	25	40	185	35	115
150	30	40	185	30	150
150	40	40	190	25	120
150	25	70	190	30	120
150	30	70	190	35	120
150	35	70	190	40	120
150	40	70	195	30	115
150	25	90	200	25	90
150	35	90	200	30	90
150	25	105	200	40	110
150	35	105			

FiveP-PU For Polishing On CNC Machines

Peripheral Wheels

FiveP-PU polishing wheels are made of a special mix of resins and are available in several grit sizes and with cerium oxide. The perfectly adapted bond hardness ensures on one side an excellent tool life, on the other side best gloss finish on all manual, semi and fully automated CNC machines. A large range of different geometries ensures the availability of a suitable wheel for your application.

Application Parameters:

Maximum Wheel RPM: 3,400 per/minute
 Operating temperature: 30°C to 60°C
 Operating Pressure: 0.5 to 3.0 bar
 Coolant: Water



FiveP-PU Peripheral Wheels Sizes

Outer Diameter (mm)	Width (mm)	Bore (mm)	Outer Diameter (mm)	Width (mm)	Bore (mm)
34	15	12	130	20	50
35	20	12	130	30	50
35	25	12	150	15	22-25-30-38-50-60
35	30	12	150	20	22-25-30-38-50-60
35	35	12	150	25	22-25-30-38-50-60
35	40	12	150	30	22-25-30-38-50-60
100	10	22-25-30	150	35	22-25-30-38-50-60
100	15	22-25-30	150	40	22-25-30-38-50-60
100	20	22-25-30	150	45	22-25-30-38-50-60
100	25	22-25-30	150	50	22-25-30-38-50-60
100	30	22-25-30	200	15	22-25
100	35	22-25-30	200	20	22-25
100	40	22-25-30	200	25	22-25
100	45	22-25-30	200	30	22-25
100	50	22-25-30	200	35	22-25
100	55	22-25-30	200	40	22-25
100	60	22-25-30	200	45	22-25
120	15	22-25-30	200	50	22-25
120	20	22-25-30	200	15	50-60-90
120	25	22-25-30	200	20	50-60-90
120	30	22-25-30	200	25	50-60-90
120	35	22-25-30	200	30	50-60-90
120	40	22-25-30	200	35	50-60-90
120	45	22-25-30	200	40	50-60-90
120	50	22-25-30	200	45	50-60-90
125	15	22	200	50	50-60-90
125	20	22	250	15	20-50-90
125	25	22	250	20	20-50-90
125	30	22	250	25	20-50-90
125	35	22	250	30	20-50-90
125	40	22	250	35	20-50-90
125	45	22	250	40	20-50-90

FiveP-PU Grooving Wheels



FiveP-PU Grooving Wheels Sizes					
Outer Diameter (mm)	Width (mm)	Bore (mm)	Outer Diameter (mm)	Width (mm)	Bore (mm)
140	3 to 12	22	180	3 to 12	22
140	13 to 16	22	180	13 to 16	22
140	17 to 20	22	180	17 to 20	22
140	21 to 25	22	180	21 to 25	22
140	26 to 30	22	180	26 to 30	22
140	31 to 35	22	180	31 to 35	22
150	3 to 12	22-40-60	200	3 to 12	22
150	13 to 16	22-40-60	200	13 to 16	22
150	17 to 20	22-40-60	200	17 to 20	22
150	21 to 25	22-40-60	200	21 to 25	22
150	26 to 30	22-40-60	200	26 to 30	22
150	31 to 35	22-40-60	200	31 to 35	22
160	3 to 12	50-60-90	200	3 to 12	60-90
160	13 to 16	50-60-90	200	13 to 16	60-90
160	17 to 20	50-60-90	200	17 to 20	60-90
160	21 to 25	50-60-90	200	21 to 25	60-90
160	26 to 30	50-60-90	200	26 to 30	60-90
160	31 to 35	50-60-90	200	31 to 35	60-90
160	3 to 12	22	220	3 to 12	60
160	13 to 16	22	220	13 to 16	60
160	17 to 20	22	220	17 to 20	60
160	21 to 25	22	220	21 to 25	60
160	26 to 30	22	220	26 to 30	60
160	31 to 35	22	220	31 to 35	60
170	3 to 12	22	230	3 to 12	60
170	13 to 16	22	230	13 to 16	60
170	17 to 20	22	230	17 to 20	60
170	21 to 25	22	230	21 to 25	60
170	26 to 30	22	230	26 to 30	60
170	31 to 35	22	230	31 to 35	60