

## HIGH SPEED GRINDING WHEEL

By using its extensive experience, TYROLIT has become a worldwide trusted partner in the grinding of glass for automotive. Thanks to continuous technological developments and the wealth of process know-how, Tyrolit is able to provide sustained solutions in line with the customers' demanding, technical and economic expectations. The special bonds guarantee an excellent lifetime working at very high speed and allow to re-profile the wheels several times.

**High working speed:** Tyrolit grinding wheels excel in high-speed applications (up to 40m/minute in laminated applications & up to 30m / minute tempered) ensuring the highest standards of quality and lifetime in the market.

**Immediate start-up time:** bonds properly well researched and perfect preparation of the diamond surface guarantee an excellent edge finish from the first piece, reaching the maximum processing speed just after a few pieces from start up.

**Wide range of achievable profiles:** tools are prepared by standard or customized profiles, designed to improve production cycles. The wide assortment includes special and asymmetric profiles for processing sunroofs, windshields, backlights, laminated sidelights and thin glass.

**Excellent lifetime:** the grinding wheels, provided with high diamond thickness and specifications designed for different processes / applications / operating parameters, allow to obtain the best performance and ensure the repeatability for all subsequent use.



**Light weight:** the grinding wheel bodies mostly made of bronze and aluminum / bronze inhibit rust formation on the tool holder cones. The bodies produced in this way lighten the weight of the tool that makes less critical the work on the electro-spindle bearings.



## HIGH SPEED GRINDING WHEEL

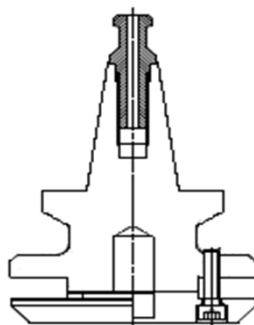
Ø	Glass thickness	Material	Application
mm	mm		
150	< 3,0	Laminated glass	Windshield
150	3,0 - 3,7	Tempered glass	Sidelight, backlight, sunroof
150	3,71 - 4,0	Tempered glass	Sidelight, backlight, sunroof
150	4,1 - 6,0	Tempered glass	Sidelight, backlight, sunroof
178	< 3,0	Laminated glass	Windshield
178	3,0 - 3,7	Tempered glass	Sidelight, backlight, sunroof
178	3,71 - 4,0	Tempered glass	Sidelight, backlight, sunroof
178	4,1 - 6,0	Tempered glass	Sidelight, backlight, sunroof
200	< 3,0	Laminated glass	Windshield
200	3,0 - 3,7	Tempered glass	Sidelight, backlight, sunroof
200	3,71 - 4,0	Tempered glass	Sidelight, backlight, sunroof
200	4,1 - 6,0	Tempered glass	Sidelight, backlight, sunroof
250	< 3,0	Laminated glass	Windshield
250	3,0 - 3,7	Tempered glass	Sidelight, backlight, sunroof
250	3,71 - 4,0	Tempered glass	Sidelight, backlight, sunroof
250	4,1 - 6,0	Tempered glass	Sidelight, backlight, sunroof

## WORKING SPECIFICATIONS

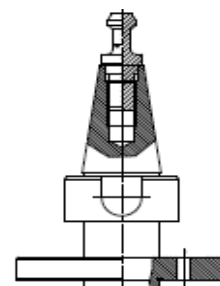
Application	Spec.	Grinding speed	Dressing	Refrigeration	Radius of removal
Laminated windshield, sidelight	E50SNP5	Low and high ≤ 40m/min	Manually/Automatic	Coolant	≤ 0,3mm
Tempered sidelight and backlight	D50KP52	Low and high ≤ 30m/min	Manually/Automatic	Just water/Coolant	≤ 0,5mm
Tempered sidelight, backlight and sunroof	E65KP52	Low and high ≤ 30m/min	Manually/Automatic	Coolant	≤ 0,3mm

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### TOOL HOLDER



Bystronic



Bando

Description	Machine		Diameter of the wheel	Diameter of tool holder	Number of wheels on the holder	Drawing	Sysnr
			mm	mm			
Tool holder	Bystronic		150	63,5	1 wheel	EA0120	
Tool holder	Bando	Low speed	150	63,5	1 wheel	EA0232	34031526
Tool holder	Bando	High speed	150	63,5	1 wheel	EA0127	34049351
Tool holder	Bando	High speed	150	63,5	2 wheels	EA0231	34028976
Tool holder	Bando	Low speed - High speed	150	45	1 wheel	EA0240	
Tool holder	Bando	High speed	150	45	2 wheels	EA0233	
Tool holder	Bando	Low speed - High speed	150	30	1 wheel	EA0235	34012021