

SUPERFLEX
MOUNTED POINTS
& POLISHING POINTS

A TYROLIT • SWAROVSKI COMPANY



SUPERFLEX GROUP A MOUNTED POINTS

Abrasive Mounted Points are used in all foundries, heavy engineering and machine shops, toolrooms and in the construction industry. They are used for blending tools and dies, deburring and enlarging of holes, fettling of castings and many other operations where removal of excess material is required. Optimum grit sizes are pre-selected by Grinding Techniques to suit the size of the mounted point and the probable operation.

6mm DIAMETER SPINDLES

					
A1 20x65mm	A2 25x32mm	A3 mini 18x44mm	A3 22x70mm	A4 32x32mm	
RPM 19800 • 16500	38200 • 32620	19860 • 15100	16100 • 13080	29840 • 24750	
					
A6 20x30mm	A11 22x50mm	A12 17x32mm	A13 29x29mm	A14 17x22mm	
RPM 39000 • 29700	19860 • 15100	48000 • 35250	33950 • 32250	53050 • 40500	
					
A15 6x25mm	A21 25x25mm	A22 20x16mm	A24 6x20mm	A25 25mm dia.	A26 16mm dia.
RPM 72750 • 47620	34500 • 26250	50930 • 40500	76500 • 49500	35620 • 27370	59680 • 46500
					
A31 35x25mm	A32 25x16mm	A33 25x13mm	A36 40x10mm	A37 32x6mm	
RPM 27280 • 26250	38200 • 38200	38200 • 38200	23520 • 23520	29840 • 29840	

Mounted points are displayed actual size

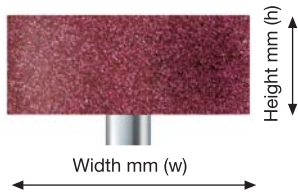
SUPERFLEX GROUP B MOUNTED POINTS

3mm DIAMETER SPINDLES

					
B41 16X16mm	B42 13x20mm	B44 6x10mm	B52 10x20mm	B53 6x16mm	B54 6x13mm
RPM 33750 • 23250	33750 • 23250	68400 • 42370	45370 • 28500	60000 • 38020	60000 • 38020
					
B55 3x6mm	B61 20x8mm	B72 13x3mm	B81 20x5mm	B84 8x5mm	B91 13x16mm
RPM 105000 • 64500	38250 • 24370	73500 • 43650	47750 • 41250	105000 • 64500	34500 • 22500
					
B92 6x6mm	B96 3x6mm	B101 16x17mm	B103 16x5mm	B104 8x10mm	B111 11x17mm
RPM 81370 • 51000	105000 • 64500	33750 • 23250	59680 • 41250	68400 • 42370	33750 • 23250
					
B121 13mm dia.	B122 10mm dia.	B123 5mm dia.	B131 13x13mm	B132 10x13mm	B136 6x8mm
RPM 45370 • 28500	61650 • 37720	104250 • 61820	34500 • 22500	45370 • 28500	77250 • 45920

Mounted points are displayed actual size

SUPERFLEX GROUP W CYLINDRICAL MOUNTED POINTS

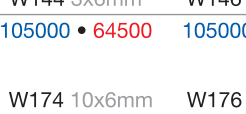
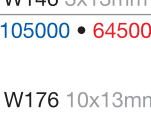
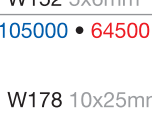
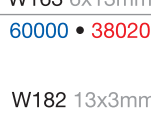
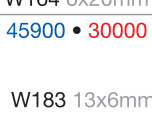
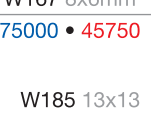
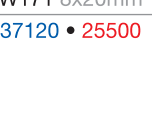
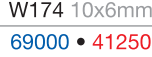

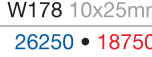
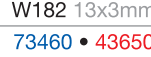
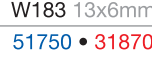
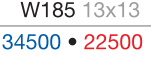


Order wheel size by Reference Number corresponding to wheel size required.
All dimensions are in millimetres and are measured as Width (w) x Height (h).

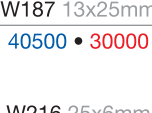
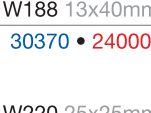
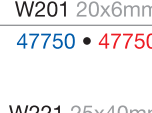
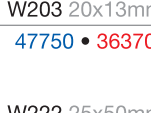
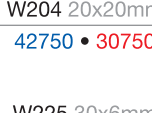
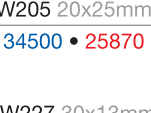
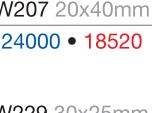
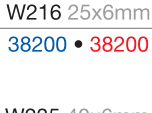
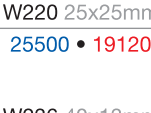
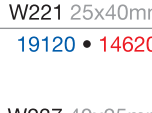
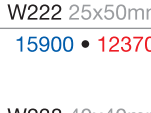
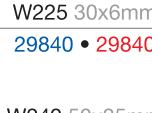
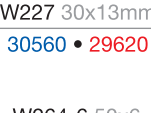
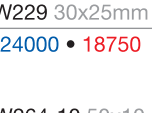
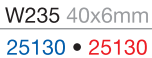
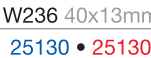
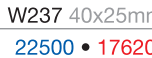
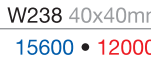

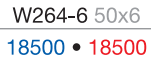

RECOMMENDED RPM

With 0-13mm overhang indicated in BLUE figures • With 25mm overhang indicated in RED figures

MOUNTED ON 3mm SPINDLES

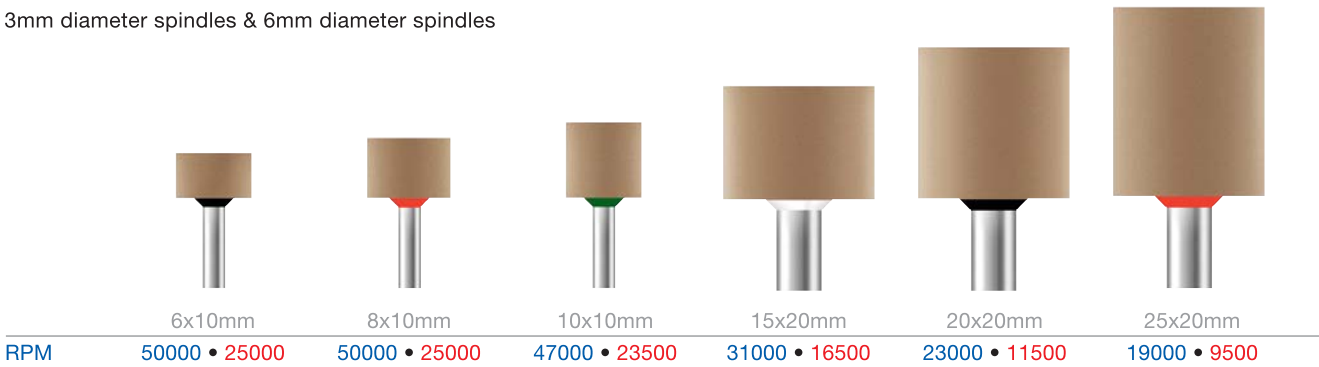
						
W144 3x6mm	W146 3x13mm	W152 5x6mm	W163 6x13mm	W164 6x20mm	W167 8x6mm	W171 8x20mm
RPM 105000 • 64500	105000 • 64500	105000 • 64500	60000 • 38020	45900 • 30000	75000 • 45750	37120 • 25500
						
W174 10x6mm	W176 10x13mm	W178 10x25mm	W182 13x3mm	W183 13x6mm	W185 13x13	
RPM 69000 • 41250	45370 • 28500	26250 • 18750	73460 • 43650	51750 • 31870	34500 • 22500	

MOUNTED ON 6mm SPINDLES

						
W187 13x25mm	W188 13x40mm	W201 20x6mm	W203 20x13mm	W204 20x20mm	W205 20x25mm	W207 20x40mm
RPM 40500 • 30000	30370 • 24000	47750 • 47750	47750 • 36370	42750 • 30750	34500 • 25870	24000 • 18520
						
W216 25x6mm	W220 25x25mm	W221 25x40mm	W222 25x50mm	W225 30x6mm	W227 30x13mm	W229 30x25mm
RPM 38200 • 38200	25500 • 19120	19120 • 14620	15900 • 12370	29840 • 29840	30560 • 29620	24000 • 18750
						
W235 40x6mm	W236 40x13mm	W237 40x25mm	W238 40x40mm	W242 50x25mm	W264-6 50x6	W264-10 50x10
RPM 25130 • 25130	25130 • 25130	22500 • 17620	15600 • 12000	19100 • 15950	18500 • 18500	18500 • 18500

SUPERFLEX HI-GLO POLISHING POINTS

3mm diameter spindles & 6mm diameter spindles



Polishing points are displayed actual size.

With 5mm overhang indicated in BLUE figures • With >5mm overhang indicated in RED figures

Hi-Glo elastic bonded polishing points can be used for descaling, cleaning, deoxidizing, rust removal, mottling, deburring, polishing, fine grinding and finishing, radiussing, trimming, super finishing, smoothing and scratch removal.

They are a particularly useful medium for correcting faults in all types of metals, whilst at the same time maintaining a good surface finish; they take over whenever vitrified or resin bonded abrasive products can no longer bring about any improvement in the quality of surface finish. Hi-Glo products conform to all surface contours to achieve a completely uniform surface finish with minimal stock removal; this surface finish will remain constant throughout the life of the polishing point.

OPERATING SPEED: The maximum operating speed quoted relates to polishing points with a shaft overhang of no greater than 5mm. Minimum clamping length of the shaft in the collet should be no less than 10mm. The stated maximum operating speed should be reduced by 50% when high axial pressure is used. Excessive working pressure causing heat in excess of 100°C will destroy the polishing point.

PRODUCT TYPE	GRAIN TYPE	GRIT SIZE	SPINDLE CEMENT COLOUR	DESIGNATED END USE	AVAILABILITY
NK	Aluminium Oxide	46 80 120 180	Black White Red Green	Mild and tool steels, stainless steel, cast iron, hard aluminium, etc	Standard Stock
SC	Silicon Carbide			Carbide, ceramic, porcelain, soft non-ferrous metals, plastics, glass, etc	On Request

GRIT SIZE SELECTION: Coarser grits make it easier to refine a higher initial roughness with less effort, whilst finer grits give a better finish.

COOLANT/LUBRICANT: Can be used wet or dry. In most cases, coolant is not necessary.

GENERAL APPLICATIONS: Toolmaking, mould manufacture, metal and machinery fabrication, turbine blade manufacture, finishing of mechanically welded seams, automotive and aircraft industries and for many other diverse applications.

SPECIFIC TECHNICAL BENEFITS: Improved finish on moulded products from improved finish on moulds; reduced frictional resistance of components; raised mechanical loading capacity of highly stressed components through reduced surface roughness; reduced stress fractures by edge deburring and radiussing of mechanical parts; improved contactability of electrical conductors.



Manufacturers & Suppliers of
Industrial Quality Abrasive Products

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