

Josco

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JOSCO ABRASIVES



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Technical Information

Flap Disc Backing

Plastic Backed

The benefit of a plastic backing is that it can be trimmed to increase the working life of the flap disc, which is particularly helpful when it comes to blending and finishing.

Glass Fibre Backed

This is the most popular style of backing for Flap Discs as they help to absorb vibration experienced when in use with no smearing. They are a very strong and durable option that won't contaminate the surface of your work piece.

Types of Grit

Aluminium Oxide

The Aluminium Oxide grit is a blunt abrasive that produces a cost effective flap disc or flap wheel. It removes stock well, and produces a smooth and chatter-free finish.

Zirconia

Zirconia is a sharper abrasive than Aluminium Oxide, and is ideal for general purpose grinding applications. It cuts cooler and quicker with less effort required.

Ceramic

Grinding accessories using Ceramic grit are the most premium products in the range, and produce the sharpest finish with a chiseled effect. Stock disappears quickly and efficiently and is easy to use as less effort is required. Ceramic grits deliver a smooth and flat finish with minimal chatter.

Silicon Carbide

This grit is ideal for the most aggressive stock removal applications, as silicon carbide is one of the hardest materials available on the market. It is ideal for concrete, granite, marble and ceramics.

Safety Information

For all Josco Abrasive products in this catalogue, please pay close attention to all safety information and cautions featured on the product and packaging. On most Josco packages, you will find a combination of the below safety icons that will give you an indication of what safety precautions you should be taking.

If you have any questions about individual products, please contact the Josco customer service team at customerservice@josco.com.au or call 1800 444 445.



Wear Ear Protection



Wear Eye Protection



Wear a Mask



Wear Protective Gloves



Refer to Instruction Manual/Pack Instructions



Do Not Use if Damaged

Flap Discs

Josco Ceramic Flap Discs



Ceramic Flap Discs are excellent for fast, aggressive stock removal and metal finishing. The discs cut 40 times faster and last longer than conventional grits, and are ideal for weld preparation and weld seam removal. All Josco Ceramic Flap Discs are Made in EU to EN standards.



JDC11540



JDC11560



JDC12780



EN13743

Part No.	Material	Diameter	Bore	Grit	Max RPM	Inner Pack QTY	Outer Pack QTY	Pack Type
JDC11540	Ceramic	115mm	22,23mm	40	13,300	3	60	Single Disc
JDC11560	Ceramic	115mm	22,23mm	60	13,300	3	60	Single Disc
JDC11580	Ceramic	115mm	22,23mm	80	13,300	3	60	Single Disc
JDC12740	Ceramic	127mm	22,23mm	40	12,250	3	60	Single Disc
JDC12760	Ceramic	127mm	22,23mm	60	12,250	3	60	Single Disc
JDC12780	Ceramic	127mm	22,23mm	80	12,250	3	60	Single Disc

Josco Zirconia Flap Discs



Zirconia Flap Discs are ideal for general purpose applications such as weld removal, grinding and clean-up of steel, stainless steel and aluminium, and are great for removing paint and varnish. Finer grits are more suitable for finishing timber prior to painting. They can also be used on cast iron. Zirconia grit is ideal for fast grinding and longer life.



JDZ10040



JDZ11540



JDZ12740

Part No.	Material	Diameter	Bore	Grit	Max. Speed RPM	Inner Pack QTY	Outer Pack QTY	Pack Type
JDZ10040	Zirconia	100mm	16mm	40	15,300	5	200	Single Disc
JDZ10060	Zirconia	100mm	16mm	60	15,300	5	200	Single Disc
JDZ10080	Zirconia	100mm	16mm	80	15,300	5	200	Single Disc
JDZ100120	Zirconia	100mm	16mm	120	15,300	5	200	Single Disc
JDZ11540	Zirconia	115mm	22mm	40	13,300	5	200	Single Disc
JDZ11560	Zirconia	115mm	22mm	60	13,300	5	200	Single Disc
JDZ11580	Zirconia	115mm	22mm	80	13,300	5	200	Single Disc
JDZ115120	Zirconia	115mm	22mm	120	13,300	5	200	Single Disc
JDZ12740	Zirconia	127mm	22mm	40	12,000	5	200	Single Disc
JDZ12760	Zirconia	127mm	22mm	60	12,000	5	200	Single Disc
JDZ12780	Zirconia	127mm	22mm	80	12,000	5	200	Single Disc
JDZ127120	Zirconia	127mm	22mm	120	12,000	5	200	Single Disc

Flap Discs

Josco Poly Flap Discs



Josco Poly Flap Discs are made from a non-woven abrasive cloth and are ideal for removing rust from steel surfaces, cleaning up and removing paint from steel, stainless steel and aluminium, cleaning and finishing of TIG weld seams, polishing stainless steel, and light deburring & de-scaling on steel. Dependent on the hardness and application, they are available in colour coded coarse (yellow), medium (brown) and fine (blue).



JPD125C



JPD125M



JPD125F

Part No.	Diameter	Bore	Grit	Max. RPM	Inner QTY	Outer QTY	Pack Type
JPD100F	100mm	16mm	Fine	15,300	3	60	Clamshell
JPD100M	100mm	16mm	Medium	15,300	3	60	Clamshell
JPD100C	100mm	16mm	Coarse	15,300	3	60	Clamshell
JPD115F	115mm	22mm	Fine	13,300	3	60	Clamshell
JPD115M	115mm	22mm	Medium	13,300	3	60	Clamshell
JPD115C	115mm	22mm	Course	13,300	3	60	Clamshell
JPD125F	125mm	22mm	Fine	12,200	3	60	Clamshell
JPD125M	125mm	22mm	Medium	12,200	3	60	Clamshell
JPD125C	125mm	22mm	Coarse	12,200	3	60	Clamshell

Flap Wheels

Contour Sander

Eliminate hand sanding on curved, fluted or flat surfaces – matt down paint or varnish between coats.



- Individual flaps mould to contours of work piece
- Long shaft is ideal for reaching awkward places
- Sand the flutes of radiators and garage doors
- Prepare louvers prior to painting
- Renovate furniture

Two speed power tools should be used, with the highest speed for sanding and stripping, and the lowest speed for light finish and smoothing. Maximum recommended speed is 4,000 RPM and recommended minimum speed is 1,000 RPM. Do not use excessive pressure. Let the contour sander do the work. A coarse grade should be selected for more aggressive sanding operations.

Common Applications & General Information:

The Josco Contour Sander is ideal for decorating, renovating or restoration jobs. Save hours of hand sanding on curved or irregular shaped wood and metal surfaces.

- Use to sand doors, skirtings and architraves prior to painting
- Renovate/restore wood furniture and prepare for varnishing
- Sand carvings and sculptures



Part Number: CONTOURCOURSE
Product Dimensions

Sander: 125mm (5") diameter -
38mm (1 1/2") wide
Shaft: 6mm (1/4") diameter -
113mm (4 1/2") long

Technical Information

Because of the large number of flaps which Flap Wheels contain, they are very economical compared with belts etc, reducing finishing costs, due to the longer life and reduced downtime.

Examples of application for Flap Wheels:

- Finishing of stainless steel vessels
- De-scaling heat treated aluminium
- Removing machine marks and flaws from castings
- Sanding wood, prior to painting
- Grinding off fibreglass flash and sharp mould edges
- Polishing and finishing the convex and concave surfaces of tubular steel (the wheel will wear to match the contours of the tubing)
- Polishing aluminium – even fine grits do not clog
- Removing flash from rubber and plastic
- Cleaning up welds, scratches and rust from fabricated parts
- Removing surface blemishes or excess glaze from ceramics
- Grinding and scuffing leather in shoe-making and repairing
- Removing rust and sharpening tools
- Removing burrs and giving satin finish to metals
- Grinding out imperfections on steel forgings

How to obtain the best performance

- Use only light pressure so that only the tips of the flaps are in contact with the work piece.
- Flap wheels give a finer effect and last considerably longer if they are used with a grinding paste or grease.
- If the rate of stock removal is insufficient, use a coarser grit.
- When using Flap Wheels on a moving or rotating workpiece, the movement of the work piece must be in the opposite direction to the rotation of the wheel.
- ALWAYS observe the maximum recommended RPM given in the tables.

Flap Wheels

Josco Premium Flap Wheels



Flap Wheels offer a quick and economical solution to working on both flat and contoured surfaces. The 'Flap Top and Bottom' design allows more versatility of application than 'Raised Hub' versions.

Manufactured using the highest quality industrial cloth, the wheel design is such that as the flaps wear down, new abrasive is continuously exposed. This action prevents clogging and gives a uniform, constant finish throughout the life of the wheel.



FW3015040C

FW5020080C

FW6030040C

FW8030120C

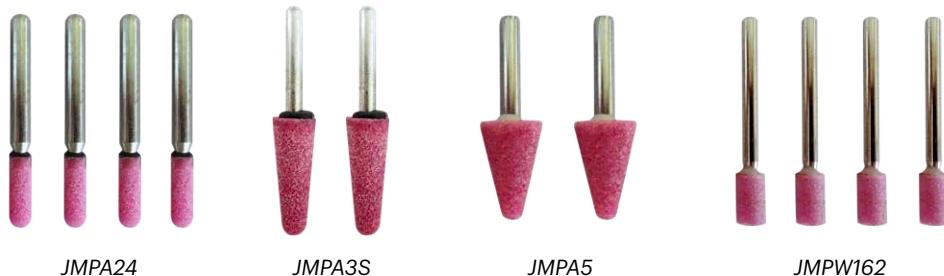
Part No.	Diameter	Width	Grit	Max. Speed RPM	Inner Pack QTY	Outer Pack QTY	Pack Type
FW3015040C	30mm	15mm	40	25,000	3	60	Clamshell
FW3015060C	30mm	15mm	60	25,000	3	60	Clamshell
FW3015080C	30mm	15mm	80	25,000	3	60	Clamshell
FW3015120C	30mm	15mm	120	25,000	3	60	Clamshell
FW4015040C	40mm	15mm	40	19,000	3	60	Clamshell
FW4015060C	40mm	15mm	60	19,000	3	60	Clamshell
FW4015080C	40mm	15mm	80	19,000	3	60	Clamshell
FW4015120C	40mm	15mm	120	19,000	3	60	Clamshell
FW5020040C	50mm	20mm	40	15,000	3	60	Clamshell
FW5020060C	50mm	20mm	60	15,000	3	60	Clamshell
FW5020080C	50mm	20mm	80	15,000	3	60	Clamshell
FW5020120C	50mm	20mm	120	15,000	3	60	Clamshell
FW6030040C	60mm	30mm	40	12,600	3	60	Clamshell
FW6030060C	60mm	30mm	60	12,600	3	60	Clamshell
FW6030080C	60mm	30mm	80	12,600	3	60	Clamshell
FW6030120C	60mm	30mm	120	12,600	3	60	Clamshell
FW8030040C	80mm	30mm	40	9,500	3	60	Clamshell
FW8030060C	80mm	30mm	60	9,500	3	60	Clamshell
FW8030080C	80mm	30mm	80	9,500	3	60	Clamshell
FW8030120C	80mm	30mm	120	9,500	3	60	Clamshell

Mounted Points



Josco Mounted Point Kits

Abrasive Mounted Points are made from pink aluminium oxide and are ideal for grinding and finishing on stainless steel, cast iron and high alloy steel.



Part No.	Description	Shank	Pack Size	Inner Pack QTY	Outer Pack QTY	Pack Type
JMPK5	MPA3S: A3S 16 x 45mm MPA5: A5 19 x 28mm MPA24: A24 6 x 19mm MPA26: A26 16 x 16mm MPW177: W177 10 x 19mm	6mm	5	10	100	Clamshell
JMPK5M	MPB44: B44 6 x 10mm MPB92: B92 6 x 6mm MPB97: B97 3 x 10mm MPB123: B123 5 x 5mm MPW162: W162 6 x 10mm	3mm	5	10	300	Clamshell
JMPA1	A1 19 x 63mm	6mm	2	10	100	Clamshell
JMPA11	A11 22 x 50mm	6mm	2	10	100	Clamshell
JMPA12	A12 18 x 32mm	6mm	2	10	100	Clamshell
JMPA24	A24 6 x 19mm	6mm	4	10	300	Clamshell
JMPA3	A3 25 x 70mm	6mm	2	10	100	Clamshell
JMPA3S	A3S 16 x 45mm	6mm	2	10	100	Clamshell
JMPA5	A5 19 x 28mm	6mm	2	10	100	Clamshell
JMPW162	W162 6 x 10mm		4	10	300	Clamshell
JMPW177	W177 10 x 19mm	6mm	4	10	300	Clamshell
JMPW189	W189 13 x 50mm	6mm	2	10	300	Clamshell
JMPW208	W208 19 x 51mm	6mm	2	10	100	Clamshell
JMPW220	W220 25 x 25mm	6mm	2	10	100	Clamshell
JMPW228	W228 32 x 19mm	6mm	2	10	100	Clamshell
JMPW232	W232 32 x 50mm	6mm	1	10	100	Clamshell
JMPW242	W242 50 x 25mm	6mm	1	10	100	Clamshell

Mounted Points

Maximum Operating Speeds

Maximum operating speeds are dependent on the shape and size of wheel, the size of the shank and the amount of overhang. The table of speeds given below for Josco's range of mounted points is based on a maximum overhang 'O' of 1/2" (13mm).

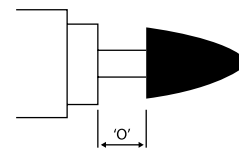


Table of maximum permissible operating in RPM using an overhang 'O' of no more than 1/2" (13mm).

Shape No.	M.O.S (RPM)	Shape No.	M.O.S (RPM)	Shape No.	M.O.S (RPM)	Shape No.	M.O.S (RPM)
A1	19,800	B41	33,750	W144	105,000	W196	32,250
A2	38,000	B42	33,750	W145	105,000	W197	21,000
A3	16,100	B44	68,400	W146	105,000	W200	47,750
A3S	17,000	B46	105,000	W152	105,000	W201	47,750
A4	29,840	B52	45,370	W153	80,850	W203	47,750
A5	45,000	B53	60,000	W154	70,000	W204	42,750
A11	19,860	B62	41,020	W160	81,370	W205	34,500
A12	48,000	B71	59,680	W162	68,400	W207	24,000
A13	33,950	B81	47,750	W163	60,000	W208	18,750
A14	53,050	B91	34,500	W164	45,900	W215	38,200
A15	72,750	B92	81,370	W170	55,000	W216	38,200
A21	34,500	B97	105,000	W175	54,000	W218	38,200
A23	39,370	B98	105,000	W176	45,370	W220	25,500
A24	76,500	B101	33,750	W177	66,000	W222	15,900
A25	35,620	B103	59,680	W178	55,200	W226	29,840
A26	59,680	B104	68,400	W179	45,000	W227	29,840
A31	27,260	B121	45,370	W182	73,460	W228	29,840
A32	38,200	B122	61,650	W185	61,500	W230	20,400
A33	38,000	B123	104,250	W186	51,000	W232	14,250
A34	25,130	B131	34,500	W187	40,000	W236	25,130
A35	38,200	B132	45,370	W188	30,370	W242	19,100
A36	23,520	B133	54,000	W189	24,000		
A37	29,840	B135	60,000				
A38	34,500						
A39	47,250						

If an overhang of more than 1/2" (13mm) is used, the maximum permissible operating speeds are reduced. See the Health and Safety Executive publication ref. HS(G) 17 and the European Safety Co. issued by the Federation of European Producers of Abrasive Products (FEPA NO 12GB74).

Important Safety Instructions

1. Do not exceed the maximum permissible operating speeds and overhang of points.
2. Always wear eye protection.
3. Check that the bearings and collet of your grinder are not worn.
4. Avoid excessive pressure which could damage the mandrel.

Ordering Information

Part No.	Barcode	Inner Pack Barcode	Outer Pack Barcode
JDC11540	9314028000937	19314028000934	29314028000931
JDC11560	9314028000944	19314028000941	29314028000948
JDC11580	9314028000951	19314028000958	29314028000955
JDC12740	9314028203796	19314028203793	29314028203790
JDC12760	9314028203802	19314028203809	29314028203806
JDC12780	9314028203819	19314028203816	29314028203813
JDZ10040	9314028203826	19314028203823	29314028203820
JDZ10060	9314028203833	19314028203830	29314028203837
JDZ10080	9314028203840	19314028203847	29314028203844
JDZ100120	9314028203857	19314028203854	29314028203851
JDZ11540	9314028203864	19314028203861	29314028203868
JDZ11560	9314028203871	19314028203878	29314028203875
JDZ11580	9314028203888	19314028203885	29314028203882
JDZ115120	9314028203895	19314028203892	29314028203899
JDZ12740	9314028203901	19314028203908	29314028203905
JDZ12760	9314028203918	19314028203915	29314028203912
JDZ12780	9314028203925	19314028203922	29314028203929
JPD100F	9314028005116	19314028005120	29314028005127
JPD100M	9314028005130	19314028005137	29314028005134
JPD100C	9314028005123	19314028005113	29314028005110
JPD115F	9314028001002	19314028001009	29314028001006
JPD115M	9314028001019	19314028001016	29314028001013
JPD115C	9314028000999	19314028000996	29314028000993
JPD125F	9314028001033	19314028001030	29314028001037
JPD125M	9314028001040	19314028001047	29314028001044
JPD125C	9314028001026	19314028001023	29314028001020
CONTOURCOARSE	9314028260539	19314028260536	29314028260533
FW3015040C	9314028263011	19314028263018	29314028263015
FW3015060C	9314028263028	19314028263025	29314028263022
FW3015080C	9314028263035	19314028263032	29314028263039
FW3015120C	9314028263042	19314028263049	29314028263046
FW4015040C	9314028263059	19314028263056	29314028263053
FW4015060C	9314028263066	19314028263063	29314028263060
FW4015080C	9314028263073	19314028263070	29314028263077
FW4015120C	9314028263080	19314028263087	29314028263084
FW5020040C	9314028263097	19314028263094	29314028263091
FW5020060C	9314028263103	19314028263100	29314028263107
FW5020080C	9314028263110	19314028263117	29314028263114
FW5020120C	9314028263127	19314028263124	29314028263121
FW6030040C	9314028263134	19314028263131	29314028263138
FW6030060C	9314028263141	19314028263148	29314028263145
FW6030080C	9314028263158	19314028263155	29314028263152

Ordering Information

Part No.	Barcode	Inner Pack Barcode	Outer Pack Barcode
FW6030120C	9314028263165	19314028263162	29314028263169
FW8030040C	9314028263172	19314028263179	29314028263176
FW8030060C	9314028263189	19314028263186	29314028263183
FW8030080C	9314028263196	19314028263193	29314028263190
FW8030120C	9314028263202	19314028263209	29314028263206
JMPK5	9314028410958	19314028410955	29314028410952
JMPK5M	9314028410965	19314028410962	29314028410969
JMPA1	9314028410002	19314028410009	29314028410006
JMPA11	9314028410064	19314028410061	29314028410068
JMPA12	9314028410071	19314028410078	29314028410075
JMPA24	9314028410132	19314028410139	29314028410136
JMPA3	9314028410026	19314028410023	29314028410020
JMPA3S	9314028410033	19314028410030	29314028410037
JMPA5	9314028410057	19314028410054	29314028410051
JMPW162	9314028410552	19314028410559	29314028410556
JMPW177	9314028410613	19314028410610	29314028410617
JMPW189	9314028410699	19314028410696	29314028410693
JMPW208	9314028410781	19314028410788	29314028410785
JMPW220	9314028410828	19314028410825	29314028410822
JMPW228	9314028410866	19314028410863	29314028410860
JMPW232	9314028410880	19314028410887	29314028410884
JMPW242	9314028410903	19314028410900	29314028410907