

Orient

Flap Wheels & Mops



ORIENT GROUP

(CERTIFIED AS ISO 9001 : 2000)

(Sales Office)

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ORIENT offers a wide range of Flexible Grinding Tools, also called Flap Wheels and Mops (with Spindle). These are flexible grinding tools designed for Cleaning, Polishing, Deburring and Grinding of small Diameter Tubing, Concave, Convex Surfaces, Channels and Small Openings. These are also most commonly used for Surface Preparation of Stainless Steel Surfaces.

ORIENT Flap Wheels are made out of Coated Abrasive Flaps and are available in a variety of sizes. These flaps are made from Resin Bonded Aluminium Oxide Cloth and are reinforced at the centre with a strong, flexible and resilient adhesive.

FLANGE MOUNTED FLAP WHEELS

Diameter	Width	Grit
100 mm to 350 mm	25 mm to 50 mm	60 to 400

*Standard bore size is 31.75mm.
Other bore sizes are specials.*

SPINDLE MOUNTED FLAP WHEELS

Diameter	Width	Grit
25 mm to 60 mm	25 mm to 50 mm	60 to 220

*Spindles will Be 30 mm Long
& 6 mm in diameter.*

RECOMMENDATION OF SURFACE SPEEDS

Material	Metres Per Sec.	Material	Metres Per Sec.
Mild Steel	25	Fibreglass	28
Stainless Steel	33	Rubber	23
Alloy Steel	25	Hardwood (Edge breaking)	20
Hard Aluminium	28	Softwood	18
Non Ferrous	25	Thermoplastic	15



RECOMMENDATION FOR MAX. OPERATING SPEEDS

Diameter (in mms)	Max. Operating Speed (RPM)	Diameter (in mms)	Max. Operating Speed (RPM)
25 to 50	25000	150	6000
65	23000	200	4400
75	20000	250	4000
90 to 127	12000	300	3000

Key Applications

- ✦ *Grinding of Stainless Steel Parts & Vessels.*
- ✦ *Finishing of inner portion of the Bicycle Rims.*
- ✦ *Grinding & Finishing of Motorcycles Mud- Guards*
- ✦ *Milk - Can manufacturers.*
- ✦ *Finishing of Brass Artifacts*
- ✦ *Grinding & Finishing of the Surface of Stainless Steel / Brass Pipes.*
- ✦ *Automobile Ancillaries*

Some Useful Safety Hints

- ✦ *Wear eye protection for safety from dust.*
- ✦ *Do not exceed safe operating speeds, marked on the wheels.*
- ✦ *Store the flange mounted wheels horizontally*
- ✦ *Avoid extremes in temperature and humidity while storing.*
- ✦ *Ensure that direction of rotation corresponds to the direction specified on the label.*
- ✦ *Keep all machine guards in place.*
- ✦ *Observe all instructions indicated on containers and labels*





ORIENT® ABRASIVES

An Edge Above The Rest

