



Recommendations for safe use of brushes for electrical power tools

Safety advice



Always follow instructions on safety at the workplace, operating instructions for the correct use of electrical and air power tools, and the speeds for use of the brushes indicated by the manufacturer.



When using the brushes, to prevent injury that may be caused by foreign objects, dirt, rust, and chip residue, it is essential to wear safety gear:

- Appropriate gloves and footwear
- Adequate protective clothing that protects the arms, legs, and body in general (leather apron)
- A dust mask and protective goggles.



Nobody must stand around the work area without protective clothing.

Operating and safety speed during use:

- To fully satisfy safety requisites during use, the maximum RPM indicated on the brush **must absolutely not be exceeded**. Empty RPM indicated on the machine are usually lower than the RPM indicated on the brush.
- The coupling on the machine must be of suitable size to ensure a safe and stable grip on the brush
- Important: portable machines must only use brushes with maximum Ø of 200 mm



The quality of Osborn products is not just a slogan. More than 700 Osborn articles have already been certified by TÜV-SÜD.

Suggested peripheral speed for disc brushes, even with convex cup and cup type brushes

Applications	Peripheral speed in m/sec									
	10	15	20	25	30	35	40	45	50	55
Deburring	Disc brushes and disc brushes with convex cup, steel wire									
	Disc brushes and disc brushes with convex cup, stainless steel wire									
	Disc brushes and disc brushes with convex cup, brass wire									
	Disc brushes and disc brushes with convex cup, abrasive wire									
	Cup type brushes									
Descaling after moulding	Disc brushes and disc brushes with convex cup, steel wire									
	Disc brushes and disc brushes with convex cup, stainless steel wire									
	Cup type brushes									
Removing paint Cleaning Removing rust	Disc brushes and disc brushes with convex cup, steel wire									
	Disc brushes and disc brushes with convex cup, stainless steel wire									
	Disc brushes and disc brushes with convex cup, brass wire									
	Disc brushes and disc brushes with convex cup, abrasive wire									
	Cup type brushes									
Cleaning welds	Disc brushes and disc brushes with convex cup, steel wire									
	Disc brushes and disc brushes with convex cup, stainless steel wire									
	Cup type brushes									

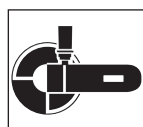
Which brush is suitable for which grinder

	Brush Ø											
	60	65	75	80	90	100	115	120	125	150	178	230
Disc brush, knotted wire						115	115		125	150	180	230
Disc brush, crimped wire						115	115					
Cup brush, knotted wire		115	125	150		180		230				
Cup brush, crimped wire	115		125	150		150/180			230	230		
Cup brush, abrasive nylon wire						150*						

* Adjustable

The table indicates the diameter of the protective cap

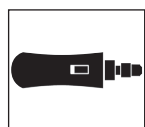
Machine symbol legend



Angle grinder



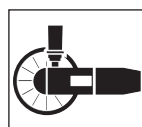
Electrical drill



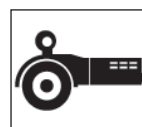
Straight grinder



Bench grinder



Cleaner



Burnishing machine



Hand brush