

## DREX®-TOOLS diamond roller burnishing tools MS2300-00 and MS2300-CS

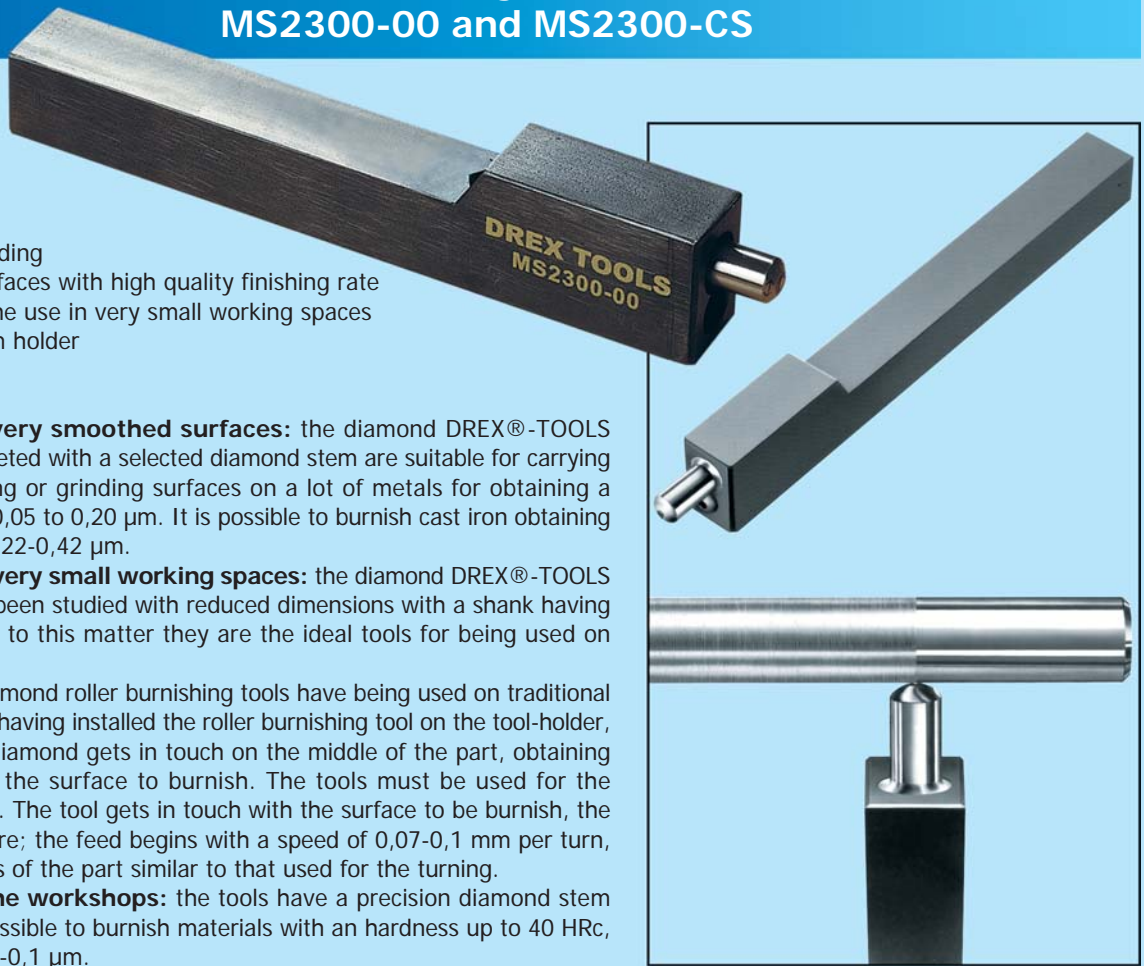
- Eliminate lapping and grinding
- It is possible to obtain surfaces with high quality finishing rate
- Reduced dimensions for the use in very small working spaces
- Replaceable diamond stem holder
- Of a simple using
- Suitable for all workshops

**It is possible to obtain very smoothed surfaces:** the diamond DREX®-TOOLS roller burnishing tools completed with a selected diamond stem are suitable for carrying out the burnishing of turning or grinding surfaces on a lot of metals for obtaining a high level in finishing, from 0,05 to 0,20  $\mu\text{m}$ . It is possible to burnish cast iron obtaining a surface finishing rate of 0,22-0,42  $\mu\text{m}$ .

**Reduced dimensions for very small working spaces:** the diamond DREX®-TOOLS roller burnishing tools have been studied with reduced dimensions with a shank having a section of 20 mm; thanks to this matter they are the ideal tools for being used on small lathes too.

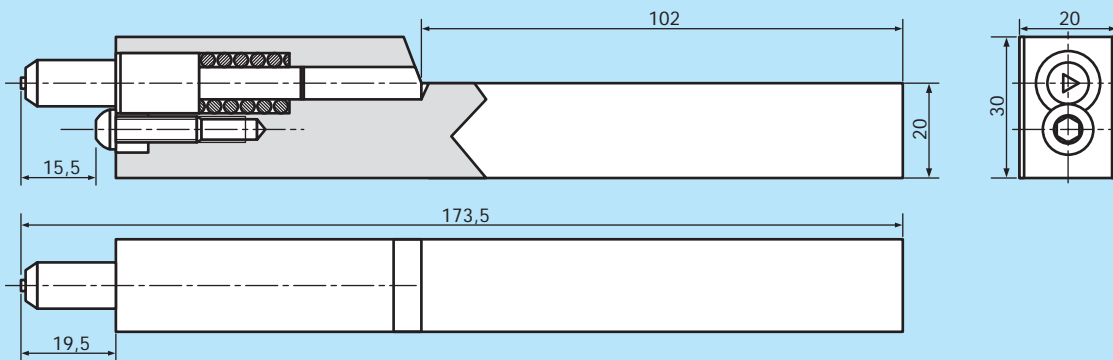
**Simple to be used:** the diamond roller burnishing tools have being used on traditional lathes and CNC lathes. After having installed the roller burnishing tool on the tool-holder, the tool places so that the diamond gets in touch on the middle of the part, obtaining an angle of 90° respect to the surface to burnish. The tools must be used for the burnishing of linear surfaces. The tool gets in touch with the surface to be burnish, the spring has put under pressure; the feed begins with a speed of 0,07-0,1 mm per turn, with a number of revolutions of the part similar to that used for the turning.

**Cheap! Suitable for all the workshops:** the tools have a precision diamond stem mounted on the top. It is possible to burnish materials with an hardness up to 40 HRc, obtaining a finishing of 0,07-0,1  $\mu\text{m}$ .

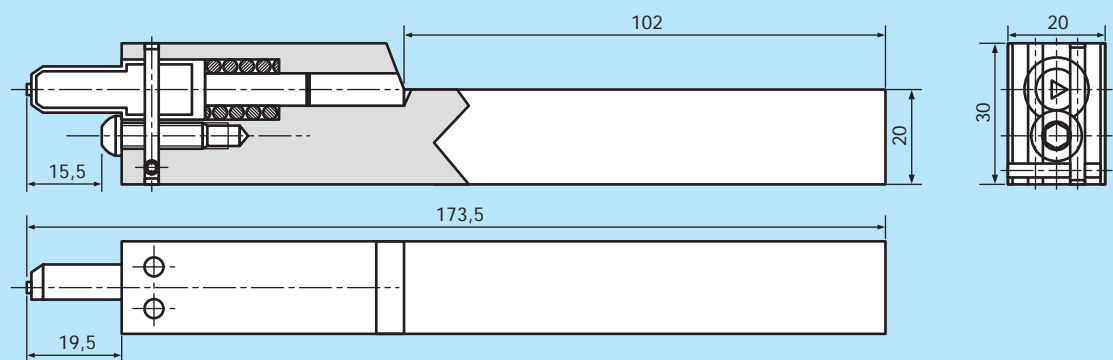


**Two versions:** the DREX®-TOOLS diamond roller burnishing tools have being realized in two versions:

**MS-2300-00** suitable for the burnishing of linear surfaces, with this tool is possible to carry out a burnishing up to a distance of 5 mm from the shoulder.



**MS-2300-CS** similar to the type MS-2300-00 from which the difference is the discharged diamond stem that is suitable for carrying out roller burnishing up to a distance of 2,2 mm from the shoulder.

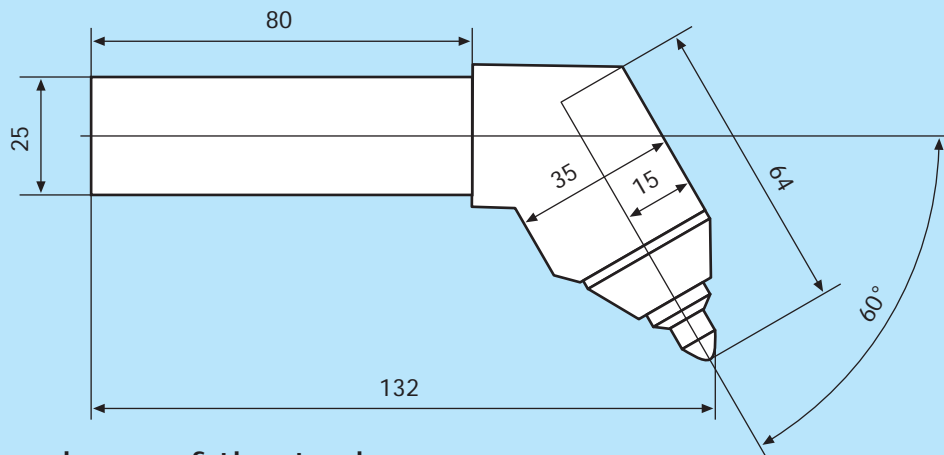


## DREX®-TOOLS Diamond Roller Burnishing Tool MS2300-60



- Thanks to its configuration it can be used for the burnishing of inside and outside diameters, stepped, flat and spherical surfaces. It is possible to burnish materials with an hardness up to 40 HRc.
- Holder diamond head with an inclination of  $60^\circ$ .
- Equipped with a diamond with radius 1,5 mm: it cans carry out burnishing on turned pieces with a maximum roughness of  $2,5 \mu\text{m}$ , obtaining a finishing surfaces with a roughness between 0,6 - 0,04 Ra.
- Available with shank of 25 mm for the application on most type of lathes.

### Sizes



### Installation and use of the tool

Mount the tool on the turret so that the diamond will be positioned on the middle part of the piece to burnish. The tool is supplied with a diamond with radius 1,5 mm; you have to consider the angle  $\alpha^\circ$  and the length of 2 mm of the surface not burnished.

Bring the diamond in touch with the work piece, point "0", advance with the turret of 0,1-0,2 mm in order to grant pressure to the tool, insert the feed and burnish the surface's length required, stop the feed and move away the tool from the piece. These operations must be carried out with the rotation of the piece in order to prevent the damage of the diamond.

