

Carbide roller burnishing tools DREX®-TOOLS series 30



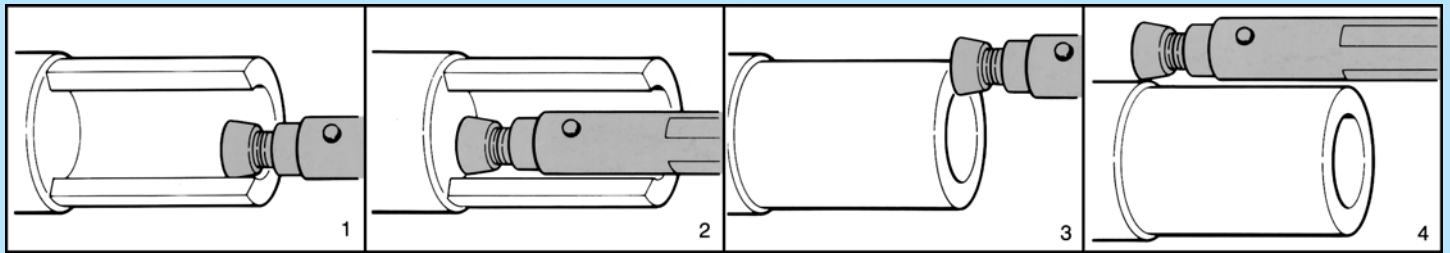
- Reduce the costs eliminating the pickup operations for the finishing
- Suitable for most CNC Lathes
- Cheap thanks to the long life of the carbide roll
- Reach a high level in the surface finishing rate that is between 0,13 and 0,20 μm .

It is possible to burnish inside and outside diameters, fitting's radius or borders, shoulders and bar's end with only a single tool. **The carbide roller burnishing tools have been studied for being used on CNC lathes.** The surfaces to be burnish are prepared of turning with a roughness of 2-2,5 μm . The tool, put in the due working position, has used with a speed same of the turning's speed, obtaining a roughness of 0,13-0,20 μm . This replace the need of a pickup operation.

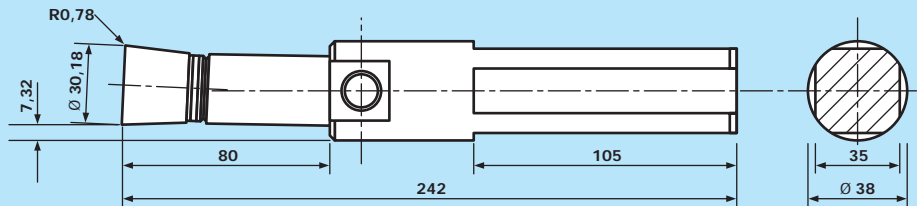
Long life of the tool: The DREX®-TOOLS roller burnishing tools have a long life carbide roll, mounted on a bearing for high results that turns on a hardened axle. The carbide roll is spring loaded in the two axial directions for having the right pressure during the burnishing operation. The carbide roll can be reconditioned for more times.

The below pictures show a part on which the inside stepped burnishing has been carried out picture 1, the fitting's radius picture 2, the front flat picture 3 and the outside diameter with the shoulder picture 4.

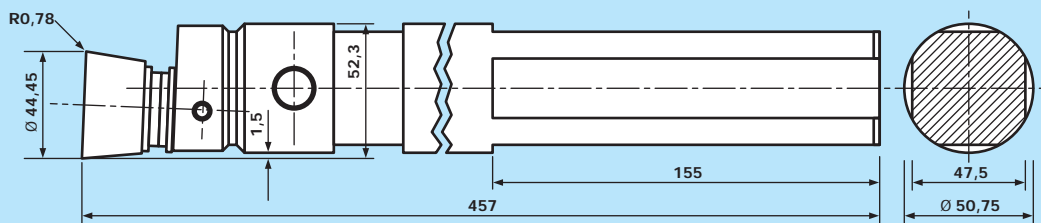
All the surfaces can be burnished with a CNC program similar to the turning program.



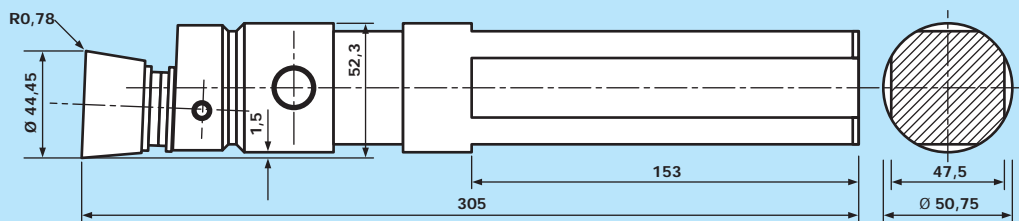
D30-30-0 It is the right tool for small size parts; with its roll diameter 30,2 and an overall length of 241 mm it is possible to burnish holes beginning from a diameter 35 mm and for a depth of 75 mm.



D30-45L-0 It is the tool to prefer for big and depth inside diameters. With the roll diameter 44,45 mm and an overall length of 457 mm it is the tool suitable for big turning centres. It is possible to burnish holes from diameter 50 mm and more.



D30-45-0 This tool with a roll diameter 44,45 mm and a length of 305 mm has been studied for carrying out the burnishing on medium size holes. It is possible to burnish holes from diameter 50 mm and more.



DREX®-TOOLS series 90 carbide roller burnishing tools



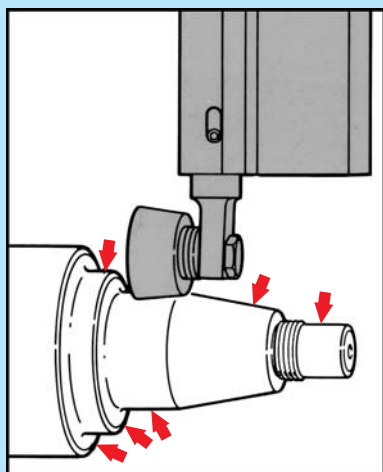
- Reduce the costs eliminating the pickup operations for the finishing
- Suitable for most CNC lathes
- Cheap thanks to the long life of the carbide roll
- Reach a high level in the surface finishing rate that is between 0,13 and 0,20 μm .

Now we present a tool for the burnishing of all the outside surfaces: outside diameters of shafts, radius of fitting, shoulders and so on. Surface burnishing as component in turning operations. The tool for burnishing outside, complete with carbide roll, has been studied for being installed on the turret of a CNC lathe. The surfaces to be burnished are prepared of turning with a roughness of 2-2,5 μm . The tool, put in the due working position, follows the same way carried out by turning with the same number of revolutions, obtaining a roughness of 0,13-0,20 μm . This replace the need of a pickup operation.

The below picture shows a part with a shaped outline that has been burnished automatically after the turning operation.

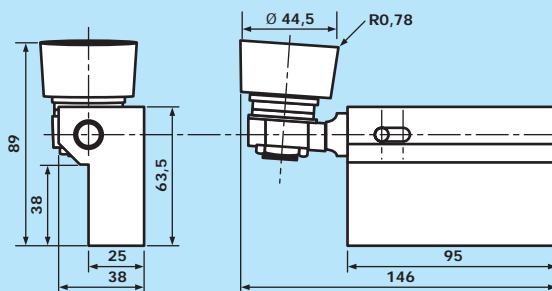
Long life of the tool

This singular tool has a carbide long life roll with a diameter of 44,5 mm mounted on the bearing, suitable for high level performances and that turns on a carbide axle. The carbide roll is spring loaded in the two axial directions for having the right pressure during the burnishing operation. The carbide roll can be reconditioned for more times.

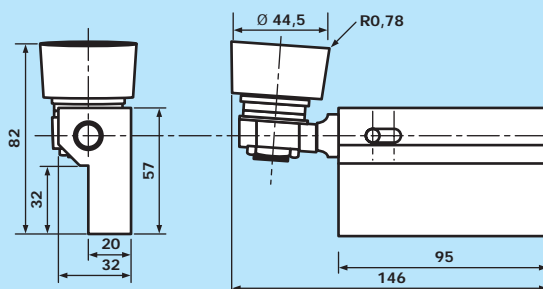


It is possible to change your turning CNC centre in a finishing centre with the Drex®-Tools carbide O.D. roller burnishing tool.

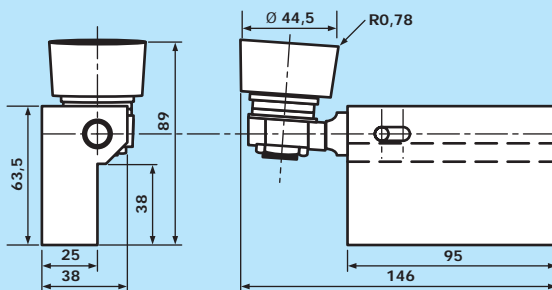
D90-L-25-0
Left hand tool
Shank 25 mm
Roll's radius 0,78 mm



D90-L-20-0
Left hand tool
Shank 20 mm
Roll's radius 0,78 mm



D90-R-25-0
Right hand tool
Shank 25 mm
Roll's radius 0,78 mm



D90-R-20-0
Right hand tool
Shank 20 mm
Roll's radius 0,78 mm

