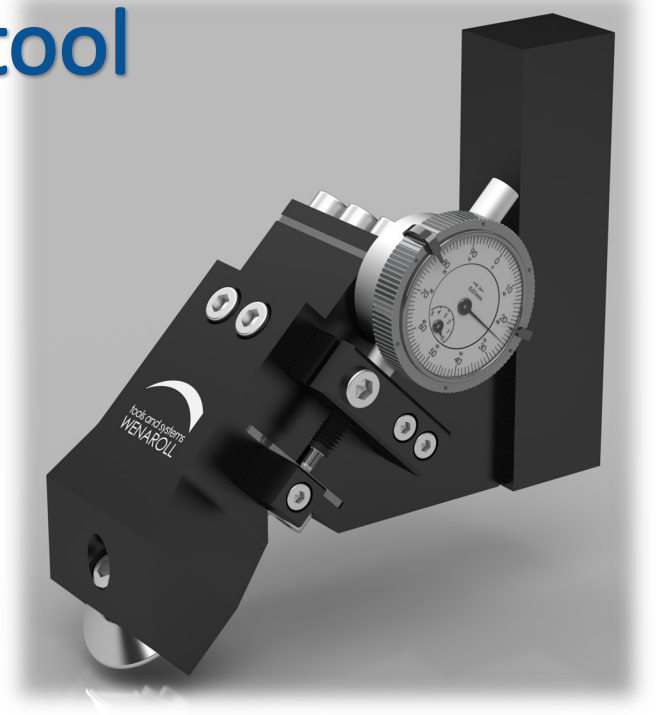
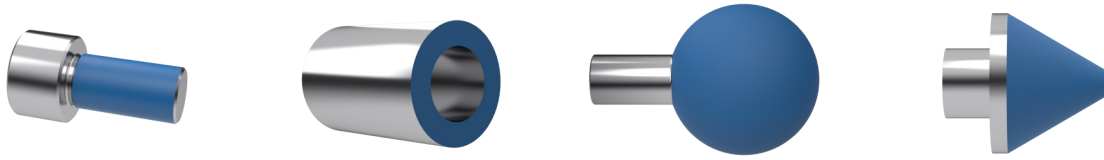


# Single roller burnishing tool

## type ERGK-45



### Application :



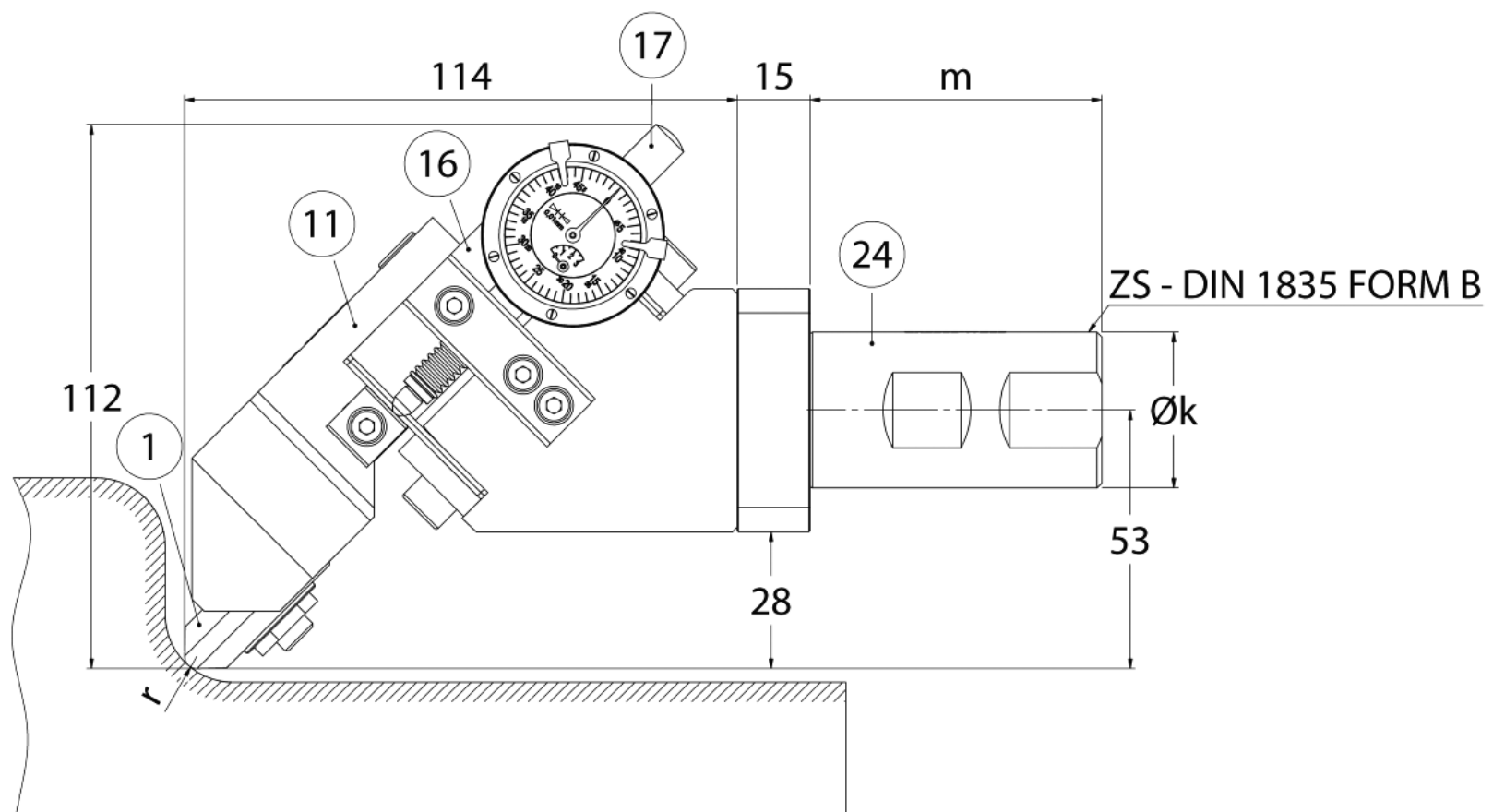
### General information:

| Tool body | Design | Version | Roller radii                    | Shank             |                  |                  |                       |                        |
|-----------|--------|---------|---------------------------------|-------------------|------------------|------------------|-----------------------|------------------------|
|           |        |         |                                 | VDI               | Cylindrical      |                  | Square                |                        |
|           |        |         |                                 | DIN69880          | DIN1835 A        | DIN1835 B        | SL                    | SLA                    |
| ERGK      | 45     | 1       | 0,8<br>1,2<br>1,6<br>2,5<br>4,0 | VDI 20 (Ø20 x 40) | ZA 20 (Ø20 x 50) | ZS 20 (Ø20 x 50) | SL 16 (16 x 30 x 120) | SLA 16 (16 x 60 x 120) |
|           |        |         |                                 | VDI 25 (Ø25 x 48) | ZA 25 (Ø25 x 56) | ZS 25 (Ø25 x 56) | SL 20 (20 x 30 x 120) | SLA 20 (20 x 60 x 120) |
|           |        |         |                                 | VDI 30 (Ø30 x 55) | ZA 32 (Ø32 x 60) | ZS 32 (Ø32 x 60) | SL 25 (25 x 30 x 120) | SLA 25 (25 x 60 x 120) |
|           |        |         |                                 | VDI 40 (Ø40 x 63) | ZA 40 (Ø40 x 70) | ZS 40 (Ø40 x 70) | SL 32 (32 x 30 x 120) | SLA 32 (32 x 60 x 120) |

All dimension in mm

### Description:

- 1 Roller unit
- 11 Roller holder
- 16 Tool body
- 17 Dial indicator
- 24 Shank



### Machining parameter

| Tool body | Circumferential speed<br>[m/min] | Feed Rate<br>[mm/revolution] | Rolling Force<br>[N] | Pre-machining-roughness |
|-----------|----------------------------------|------------------------------|----------------------|-------------------------|
| ERGK 45   | max. 300                         | max. 0,8                     | 4.000                | Rz = 5 - 20 µm          |