



**Precision external cylindrical grinding wheel D×T×H (mm), 500×50×203.2,  
Type: A80**



## Order data

|              |               |
|--------------|---------------|
| Order number | 594594 A80    |
| GTIN         | 9003176559298 |
| Item class   | 53Y           |

## Description

### Version:

**High performance external cylindrical grinding wheels in ceramic bonding.** The grinding wheel structure incorporates the optimum match of grit volume and bonding volume; bonding strength and manufacturing process are characterised by:

- **High cutting effectiveness and reduced grinding times with low wear.**
- **Low thermal loading, cool cutting.**
- **Long cycles between dressing operations mean reduced downtime.**

Sintered aluminium oxide for longer working life and better metal removal rate. Particularly suitable for **high alloy steels / HSS**.

### Application:

- **For general use in external cylindrical grinding (straight/ oblique longitudinal grinding, recess grinding).**
- **For use on all grinding machines generally used for tool and die making, and machine tool building (e.g. Kellenberger, Studer, Schaudt, Tschudin, etc.)**
- **Cooling with emulsion is necessary, good lubrication on long-chipping materials is absolutely necessary.**

### Specification:

SD83A80II7PVK8F

**Note:**

Suitable also for surface grinding.

## Technical description

|                        |                                     |
|------------------------|-------------------------------------|
| Grinding process       | External cylindrical                |
| Grinding media         | Sintered aluminium oxide            |
| Grinding medium code   | A                                   |
| Specification          | SD83A80II7PVK8F                     |
| Shape                  | 1                                   |
| Disc Ø D               | 500 mm                              |
| Disc thickness T       | 50 mm                               |
| Product name attribute | 500×50×203.2                        |
| Bore Ø H               | 203.2 mm                            |
| Type of product        | External cylindrical grinding wheel |

## User data

|                | Suitability                               | V <sub>c</sub> | ISO code |
|----------------|---|----------------|----------|
| Steel < 55 HRC | suitable                                  |                |          |
| Steel < 60 HRC | suitable                                  |                |          |
| Steel < 67 HRC | suitable                                  |                |          |
| INOX           | suitable only under restricted conditions |                |          |
| wet maximum    | suitable                                  |                |          |