PFERD cones and plugs are made of regular aluminum oxide in a high-quality resinoid bond. Because of their hardness, these products are noted for their good stock removal rates and high durability.

## Advantages:

- High stock removal rate.
- High edge-holding and dimensional stability.
- Cool grinding properties reduce the thermal load on the workpiece.

## Application examples:

- Weld dressing on steel removing excess weld metals.
- Chamfering in preparation of welding operations.
- Grinding in hard-to-reach workpiece areas.
- Removing parting lines and imperfections at casting parts.
- Smoothing rough castings.

## Recommendations for use:

- Cones and plugs perform best at the recommended peripheral speed of 6,900–9,800 SFPM.
- Recommended power tools include flexible shafts, electric or air-powered straight grinders and angle grinders.

## Safety recommendations:

- The maximum speed is calculated in accordance with ANSI B7.1.
- Never exceed the maximum RPM listed on the label.

= Wear eye protection!

= Wear hearing protection!

= Wear dust respirators!

= Wear gloves!

= Follow the safety instructions!

= Read the Safety Data Sheets (SDS) before using any materials!



## Cones and plugs

Cones and plugs are used for steel, cast steel and cast iron.


Type 16

Type 17

Type 18


Type 18R

| $D_1$ [Inches] | $D_2$ [Inches] | T [Inches] | Grit size | Thread and EDP number | | Recom. RPM | Max. RPM | |
|---|---|---|---|---|---|---|---|---|
| | | | | 3/8-24 | 5/8-11 | | | |
| **Curved (type 16)** | | | | | | | | |
| 1-1/2 | - | 2-1/2 | 16 | 61816 | - | 24,000 | 24,100 | 10 |
| | | 3 | 16 | - | 61820 | 24,000 | 24,100 | 10 |
| 1-3/4 | - | 3 | 16 | - | 61826 | 20,600 | 20,700 | 10 |
| 2 | - | 3 | 16 | - | 61829 | 18,100 | 18,100 | 10 |
| 2-3/4 | - | 3-1/2 | 16 | - | 61837 | 13,100 | 13,200 | 10 |
| 3 | - | 3 | 16 | - | 61838 | 12,000 | 12,500 | 10 |
| **Tapered (type 17)** | | | | | | | | |
| 1-1/2 | 3/8 | 2-1/2 | 16 | 61850 | 61851 | 24,000 | 24,100 | 10 |
| | 1/2 | 3 | 16 | 61854 | 61855 | 24,000 | 24,100 | 10 |
| 2 | 1/2 | 3 | 16 | - | 61859 | 14,500 | 18,100 | 10 |
| **Straight (type 18)** | | | | | | | | |
| 1 | - | 2 | 16 | 61883 | - | 36,100 | 36,200 | 10 |
| 1-1/2 | - | 2-1/2 | 16 | 61884 | 61885 | 24,000 | 24,100 | 10 |
| | | 3 | 16 | 61888 | 61889 | 24,000 | 24,100 | 10 |
| 2 | - | 3 | 16 | - | 61893 | 18,100 | 18,100 | 10 |
| **Straight (type 18R)** | | | | | | | | |
| 1-1/2 | - | 2-1/2 | 16 | 61927 | 61928 | 24,000 | 24,100 | 10 |
| | | 3 | 16 | 61931 | 61932 | 24,000 | 24,100 | 10 |
| 2 | - | 3 | 16 | - | 61936 | 18,100 | 18,100 | 10 |
| 3 | - | 3 | 16 | - | 61937 | 12,000 | 12,500 | 10 |