

# ALUMASTER® High Speed Disc

Certainly more stock removal



**WORLD FIRST**

**TRUST BLUE**

- Maximum safety as no hazardous or explosive dust is generated
- Fast results due to the extremely high stock removal performance
- Very light and still extremely robust thanks to the innovative GRP disc



# ALUMASTER® High Speed Disc

Certainly more stock removal

The innovative **ALUMASTER®** High Speed Disc is a unique tool with an extremely high stock removal performance, which was specially developed for use on angle grinders. The latest new development from PFERD is ideal for processing aluminium as it does not generate hazardous or explosive dust. The special design of the tool also guarantees maximum safety. It consists of ten specially developed tungsten carbide cutting inserts, which are fixed to the very light, but extremely robust GRP disc. The innovative geometry of the disc and the possibility of turning or replacing the cutting inserts when they are worn allow the very long and cost-effective use of this uniquely safe solution for processing aluminium.

## Advantages:

- Extremely high stock removal performance
- Maintains the user's health as no hazardous or explosive dust is generated
- Maximum safety thanks to the innovative cut geometry and the integrated depth gauge
- Very light and still extremely robust tool thanks to the innovative GRP disc (weight similar to that of reinforced grinding wheels)
- Can be used on all standard angle grinders (dia. 115/125 mm)
- Can be used in almost any location as you do not need an extractor unit
- Extremely long tool life because of the innovative disc geometry as well as the specially developed turnable and replaceable tungsten carbide cutting inserts
- The tool does not clog up even on lubricating materials
- Cost-effective and eco-friendly alternative to reinforced grinding wheels and flap wheels

## Recommendations for use:

- For cost-effective use, preferably use on air angle grinders with a power output of at least 1,000 watts or electric angle grinders with a nominal power of at least 1,400 watts.
- Do not exert unnecessarily high force on the angle grinder: The **ALUMASTER®** High Speed Disc already works with low forces. The weight of the angle grinder is enough.
- Use the tool at an angle of 5–30°, in special cases of up to 60°.
- Avoid deep penetration. The milling disc is not a cutting tool.
- Process workpiece edges along and not against the workpiece edge.
- Do not decelerate the tool on the workpiece. The cutting inserts might break.

## Application fields:

- Ship- and yacht building
- Construction of railway wagons
- Silo and tank construction
- Vehicle construction

## Application examples:

- Work on butt and fillet welds
- Work on edges/chamfering
- Modification of geometries



**PFERDERGONOMICS®** recommends the **ALUMASTER®** High Speed Disc as an innovative tool solution for processing aluminium as it does not generate hazardous or explosive dust.



**PFERDEFFICIENCY®** recommends the **ALUMASTER®** High Speed Disc for long, fatigue-free and resource-saving work, with perfect results in the shortest possible time.




## PFERDVIDEO


You will receive more information here or at [www.pferd.com](http://www.pferd.com)


## Safety notes:


- The tool is designed for use on aluminium, wrought aluminium alloys and cast aluminium only.
- The flange nut has to be tightened with the appropriate tool, e.g. face wrench. Clamping systems which are tightened without additional tools, i.e. only manually, by design are not permitted. Please refer to the Tool Manual, Catalogue 209, for suitable clamping nuts.
- Tighten the fastening screws of the cutting inserts with the torx wrench included. Alternatively, you can use a torque wrench with a tightening torque of 4 Nm.
- Loose cutting inserts might break during use. Therefore, check whether they are attached securely on a regular basis.
- Do not use damaged cutting inserts! They might break!
- Only use original accessories from PFERD.


- The milling disc **complies with the following safety requirements:**
  - **EN 12413** for grinding tools made of bonded abrasives (resistance to breaking, side load capacity)
  - **EN 13236** for grinding tools with diamond or boron nitride (resistance to breaking)
  - **EN 13743** for coated abrasives (resistance to breaking)


 = CE marked


 = Do not use if damaged!


 = Do not use for cutting!


 = Wear eye protection!

 = Wear gloves!

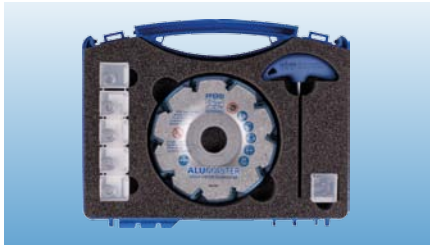
 = Wear hearing protection!

 = Read the safety instructions!

 = Observe the contact angle of 5–60°!

 = Make sure that the screws are tightened correctly!





**Content of the set:**

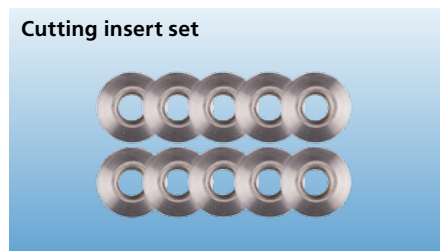
- ALUMASTER® High Speed Disc
- Cutting insert set
- Screw set for cutting inserts
- Torx wrench


**Ordering example:**  
 EAN 40072200**26106**  
 HSD-F 115/125 ALUMASTER



Description	EAN 4007220	∅ [mm]	Max. perm. speed [RPM]	
HSD-F 115/125 ALUMASTER	026106	115	13,300	1


**Ordering example:**  
 EAN 40072200**18583**  
 WSP-A-12R ALUMASTER



Description	EAN 4007220	∅ [mm]	Content of the set	Suitable for	
WSP-A-12R ALUMASTER	018583	12	10	HSD-F 115/125 ALUMASTER	1

**Ordering example:**  
 EAN 40072200**05392**  
 WSP-S-M4S



Description	EAN 4007220	Content of the set	Suitable for cutting inserts	
WSP-S-M4S	005392	5	WSP-A-12R ALUMASTER	1



The ALUMASTER® High Speed Disc won the "EISEN 2016 Innovation Award" at the international Hardware Fair in Cologne. "All in all, it is an innovative product!" the jury concluded.



You will find more information about our innovative products and services at [www.pferd.com](http://www.pferd.com)



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