

Milling tools with cutting inserts

The quick way to find the perfect tool

**PFERD
TOOLS**



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**High Speed Disc ALUMASTER
HSD-R 50 RS** – suitable only for robot applications

Suitable tool drives:

Air-powered spindle PGAS 4/220 RS
Air-powered spindle PGAS 4/280 RS

Applications:

- Milling out
- Work on weld seams
- Work on fillet welds
- Work on edges/chamfering
- Surface work
- Milling out root seams
- Circumferential milling



**High Speed Disc ALUMASTER
HSD-R 125 RS** – suitable only for robot applications

Suitable tool drives:

Air-powered spindle PWA 11/120 RS

Applications:

- Milling out
- Work on weld seams
- Work on fillet welds
- Work on edges/chamfering
- Surface work
- Milling out root seams
- Circumferential milling



**High Speed Disc ALUMASTER
HSD-R 150 RS** – suitable only for robot applications

Suitable tool drives:

High-frequency spindles

Applications:

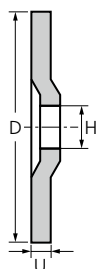
- Milling out
- Work on weld seams
- Work on fillet welds
- Work on edges/chamfering
- Surface work
- Milling out root seams
- Circumferential milling

Selecting suitable cutting inserts

■ Uncoated cutting inserts are suitable for general use on soft non-ferrous metals (aluminium alloys, brass, copper, zinc).

■ PFERD TOOLS recommends cutting inserts with the high-quality HICOAT coating for high-performance applications on soft non-ferrous metals (aluminium alloys, brass, copper, zinc), hard non-ferrous metals (hard aluminium alloys with high Si content, bronze) as well as fibre-reinforced plastics (GRP/CRP) and thermoplastics.

ALUMASTER High Speed Disc



High Speed Disc ALUMASTER HSD-R 115/125

High-performance tool for peripheral milling and milling out root seams using an angle grinder. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate on aluminium alloys.

Contents:

The delivery includes the High Speed Disc ALUMASTER HSD-R 115/125 incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket wrench and a plastic box.

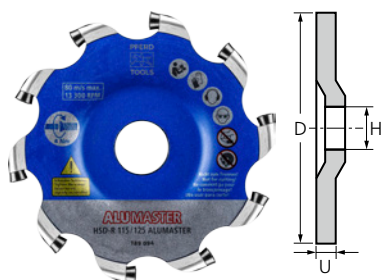
Special features:

- An extraction system is not required as no hazardous or explosive dust is generated.
- Innovative, robust cut geometry for maximum safety, extreme durability and ease of work.

D [mm]	H [mm]	U [mm]	Max. RPM		Item no.	Designation
115	22.23	8	13,300	1	22000019	HSD-R 115/125 ALUMASTER

Milling tools with cutting inserts

ALUMASTER High Speed Disc



High Speed Disc ALUMASTER HSD-R 115/125 HICOAT

High-performance tool for peripheral milling and milling out root seams using an angle grinder. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate on aluminium alloys.

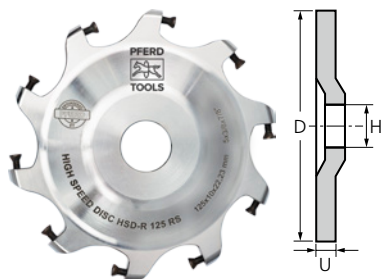
Contents:

The delivery includes the High Speed Disc ALUMASTER HSD-R 115/125 HICOAT incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket wrench and a plastic box.

Special features:

- Cutting inserts with HICOAT coating for reduced material adhesion and a longer tool life.
- An extraction system is not required as no hazardous or explosive dust is generated.
- Innovative, robust cut geometry for maximum safety, extreme durability and ease of work.

D [mm]	H [mm]	U [mm]	Max. RPM		Item no.	Designation
115	22.23	8	13,300	1	22000021	HSD-R 115/125 ALUMASTER HICOAT



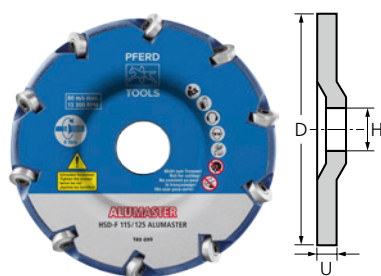
High Speed Disc ALUMASTER HSD-R RS

Special tool for processing aluminium alloys in robot applications. The tool for robot applications is used with two turnable and replaceable tungsten carbide cutting inserts. The cutting inserts are not included in delivery.

Special features:

- Extremely high stock removal rate on aluminium materials.

D [mm]	U [mm]	Max. RPM		Item no.	Designation
50	9	28,000	1	22000032	HSD-R 50 RS ALUMASTER
125	15	12,200	1	22000033	HSD-R 125 RS ALUMASTER
150	15	10,200	1	22000034	HSD-R 150 RS ALUMASTER



High Speed Disc ALUMASTER HSD-F 115/125

High-performance tool for surface work with an angle grinder. The specially developed, turnable and replaceable tungsten carbide cutting inserts enable an extremely high stock removal rate on aluminium alloys.

Contents:

The delivery includes the High Speed Disc ALUMASTER HSD-F 115/125 incl. pre-mounted tungsten carbide cutting inserts, a hexalobular socket wrench and a plastic box.

Special features:

- An extraction system is not required as no hazardous or explosive dust is generated.
- Innovative, robust cut geometry for maximum safety, extreme durability and ease of work.

D [mm]	H [mm]	U [mm]	Max. RPM		Item no.	Designation
115	22.23	13	13,300	1	22000009	HSD-F 115/125 ALUMASTER