

450HD

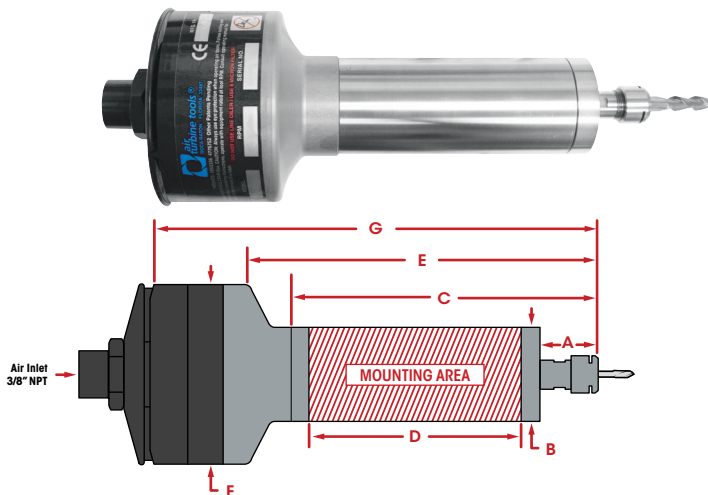
Heavy Duty Motor Mount Series



Ceramic bearings, an ER 11 collet, and a rigid steel barrel for mounting make the **450HD** ideal for cutting or finishing harder materials. Sealed at front collet for wet environments. Our durable direct-drive governed motor makes this unit a reliable workhorse. Powerful 24/7 performance with **0.88 hp (0.66 kW)** at governed **40,000 rpm**. Very low vibration magnitude of 1.25 m/s² r.m.s, makes the well-balanced **450HD** ideal for robotic integrations. Applications include finishing, drilling, milling, and routing.

Mountable area of Ø 41.15mm OD by 63.5mm. Ceramic and angular contact bearing options available.

450HD Dimensions



All fittings, couplings, and hoses must have a minimum of 8mm internal diameter.

A	1.05" (26.54mm)	D	2.50" (63.5mm)	F	Ø 3.10" (79.74mm)
B	Ø 1.62" (41.14mm)				
C	5.20" (132.08mm)	E	6.03" (153.16mm)	G	7.61" (193.29mm)

450HD Specifications

Speed RPM	25,000	30,000	40,000
Power Rating hp (kW)	0.76 (0.57)	0.83 (0.62)	0.88 (0.66)
Inlet Air Pressure	90 PSI (6.2 Bar)		
Air Consumption Idle cfm (l/s)	13 (6.14)	14 (6.61)	
Air Consumption Working Flow cfm (l/s)	14 (6.61) - 35 (16.52)		
Air Hoses and Fittings Minimum Size	8mm ID		
Sound Level	Less Than 78 dBA		
Max Shank Capacity	ER 11 - 1/4" (6mm)		
Motor Weight	46 oz (1.30 kg)		

450HD Series Part Numbers

ER11 - 1/4"		ER11 - 6mm	
Speed RPM	Part Number	Speed RPM	Part Number
25,000	34450	25,000	34451
30,000	34452	30,000	34453
40,000	34454	40,000	34455

Accessories

Model	Part Number
High Flow Filter Regulator Extractor	30008
6' Air Supply Assembly w/Fitting	30012

Equipment Included

- 450HD Motor
- ER 11 Collet System (1/4" or 6mm)
- Collet Wrenches
- 3/8" NPT air supply fitting

Standard Equipment

ER 11 Collet System (1/4" or 6mm collet.)

Oil-free 90 psi / 6.2 bar clean, dry air supply required.

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Supply is subject to Air Turbine Technology Inc. (ATT) distributor policies and upon terms and conditions contained in the ATT distributor agreement. Subject to availability, change of specifications, price and terms without notice. Always use a 0.3 micron filter/extractor and check specified air flow. 6.2 Bar / 90 psi clean, dry, oil-free air only. Use eye protection and follow safety instructions. All specifications approximate. © 2024 Air Turbine Technology, Inc. All rights reserved.