Grinding & Machining for cylinder liners

Deglazing and Honing Machine

CHRIS-MARINE®
HON S

Portable honing machine complete with pneumatic hoist for on-site use.



Enhanced safety & ease-of-use

Product features

- For honing of liners 140 - 670 mm bore
- Easy to operate directly on the engine or in honing rig
- Honing rectifies the shape of the liner, restores scuffed areas and restores surface cross pattern
- Variable hoisting speed and exchangeable gearbox for optimal cross-angle pattern and honing capacity
- Fully pneumatically driven machine
- Mechanically adjustable stone pressure for best accuracy

Optional:

- 8-armed honing heads available for special applications
- Automatic stroke control

NEW Features!

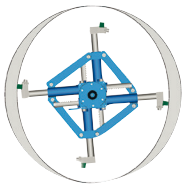
- **Remote control box**
- **Chain slack detector (optional)**
- **Upgrade kit available for HON S users**

CHRIS-MARINE®

HON S

Removes ovality

The four honing arms are connected to the central shaft. In an oval liner the small diameter will be honed up to the large diameter, restoring circular shape.





Adjustable stone pressure

Reliable mechanical stone pressure regulator provides for best honing efficiency with various types of honing stones.

Easy to use

The honing head is fitted with interchangable stone holders for better efficiency.

NEW Features ➠ enhanced safety & ease-of-use

Control handles on remote control box

➠ The control handles for driving speed and stone pressure have been moved from the honing machine to the same external control box where the reset and emergency buttons are situated. This makes HON S much easier and even safer to use.

Chain slack detector (optional)

➠ The patented chain slack detector stops the machine if there is slack in the chain from the hoist. This can occur for instance if the stone pressure is too high, thus preventing the honing head from sliding down in the liner.



Upgrade kit available for HON S users

Technical specifications

Driving unit		
	• Air pressure	0.6 - 0.9 MPa (6 - 9 bar or 85 - 130 psi)
	• Noise level	84 dB(A) / 83 dB(C)
	• Air hose connection	16 mm (5/8")
	• Honing liquid	We recommend the Chris-Marine Honing Liquid to achieve optimal honing results
	• Honing stones	We strongly recommend the Chris-Marine honing stones for optimal honing results

Hoist, air driven		Type 125	Type 250
	• Hoisting capacity	125 kg	250 kg
	• Working range	150 - 500 mm cylinder diameter	500-600 mm cylinder diameter
	• Stroke	4.0 m	4.0 m
	• Air pressure	0.4 - 0.6 MPa (4 - 6 bar or 57 - 85 psi)	0.4 - 0.6 MPa (4 - 6 bar or 57 - 85 psi)
	• Air consumption	500 l/min	500 l/min
	• Air hose connection	10 mm (3/8")	10 mm (3/8")
	• Weight	10 kg	11 kg

Honing head	Working range	Type S, 4-arms	Type S2, 8-arms
	• 150 - 200 mm	S15/20	
	• 190 - 230 mm	S19/23	
	• 210 - 290 mm	S21/29	
	• 280 - 420 mm	S28/42	
	• 320 - 500 mm	S32/50	S2 32/50
	• 490 - 670 mm		S2 49/67

Gearbox				
	Cylinder liner diameter	rpm	air consumption honing machine	air consumption air driven hoist
	• 150 - 300 mm	51	1500 l/min	500 l/min
	• 280 - 380 mm	40	1500 l/min	500 l/min
	• 350 - 500 mm	34	1500 l/min	500 l/min
	• 450 - 600 mm	24	1500 l/min	500 l/min

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