

Bucking Unit [Make & Break of screwed connections]



Operator station



Clamped tool in hydraulic vice



Hydraulic operated chain tongs



Torque force data logger (option)

Profile

The bucking unit have been designed to make and break screwed connections with high torques. The unit is a combination of a KOLLER hydraulic vice 220 kN and a hydraulic operated chain tong.

For the basic unit without electronic data logger, no electrical supply is required. Both, the hydraulic vice and the tong are supplied by pressure air driven hydraulic power packs.

Since the bucking unit is mounted on a solid steel frame with forklift truck pockets, it is transport friendly and can be moved easily on site.

- Air drive hydraulic power pack with foot pedal operation by Enerpac
- Two versions available, 18,500 Nm and 40,000 Nm
- Loading by crane from top (no sideward loading)
- Tongs laterally adjustable via slider
- Height-adjustable stand for horizontal alignment of the tool
- Rotatable auxiliary crane for moving the chain tong from screwing to loosening
- CE declaration according to EC machinery directive 2006/42/EC

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Specifications

Version	18,500 Nm	40,000 Nm
Item No.	076145	076146

Hydraulic Vice (complete technical data on page 11)

Tool diameter from - to	76.2 mm / 3" - 330 mm / 13"	
Max. clamping force	220 kN / 50,000 lbf	

Chain Tongs

Tool diameter from - to	50.8 mm / 2" - 203.2 mm / 8"	102 mm / 4" - 355.6 mm / 14"
Max. torque force	18,500 Nm / 13,600 ft-lbs	40,000 Nm / 29,000 ft-lbs

Supply lines

Pressure air	10 bar (145 psi) / max. 900 l/min	
Voltage for data logger (option)	110 / 230 V	

Dimensions Transport

Length	1,360 mm / 53.5"	
Width	1,000 mm / 39.4"	
Height	2,080 mm / 81.9"	
Weight	1,200 kg / 2,646 lbs	

Options

Item No.	Name	Description
340933	Tong 2-8"	Chain tong and hydraulic cylinder for torque forces up to 18,500 Nm
340357	Tong 4-14"	Chain tong and hydraulic cylinder for torque forces up to 40,000 Nm
338636	Stand 15-350	Stand with roller support console for lay down longer tools
341032	Data logger	Measurement/Data acquisition system

