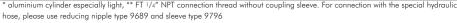
# **Hydraulic tools**

## Single acting hollow piston type cylinders with spring returns 10-100 tons lifting force

Advantages: • Ideal for pulling and stretching cables, pulling out bolts, anchor bolts, screws, pressure spindles etc. Max. working pressure: 700 bar

Supply volume: All cylinders are delivered by the factory along with an assembled coupling sleeve 9796 (page 544).

Туре	Stroke	Oil volume	Height retracted	Centre hole diameter	Cylinder external Ø	Cylinder male threads
10 tons lifting force	JIIOKE	Oli vololile	Tellucieu	didifferen	external &	male imedus
RH 102	63.5	90.5 cm <sup>3</sup>	134.9	19.4	76.2	
RH 108	203.2	290.0 cm <sup>3</sup>	287.3	19.4	76.2	
12 tons lifting force						
RH 120**	7.9	14.3 cm <sup>3</sup>	55.6	17.5	69.9	UN 23/4"-16
RH 121	41.3	73.6 cm <sup>3</sup>	122.2	20.2	69.9	UN 23/4"-16
RH 123	76.2	136.0 cm <sup>3</sup>	184.2	20.6	69.9	UN 23/4"-16
20 tons lifting force						
RH 202	50.8	155.0 cm <sup>3</sup>	155.6	27.4	98.4	UN 37/8"-12
RH 203	76.2	192.9 cm <sup>3</sup>	154.0	26.6	101.6	
RH 206	152.4	465.0 cm <sup>3</sup>	308.0	27.4	98.4	UN 37/8"-12
30 tons lifting force						
RH 302	63.5	260.0 cm <sup>3</sup>	158.8	32.9	120.7	UN 43/4"-12
RH 306	152.4	624.9 cm <sup>3</sup>	247.7	32.5	120.7	UN 43/4"-12
RHA 306*	149.2	624.9 cm <sup>3</sup>	283.4	32.5	130.2	
50 tons lifting force						
RH 503	76.2	534.3 cm <sup>3</sup>	181.0	42.5	152.4	UN 6"-12
60 tons lifting force						
RH 603	76.2	606.8 cm <sup>3</sup>	235.0	54.0	158.8	UN 61/4"-12
RH 606	152.4	1211.3 cm <sup>3</sup>	311.2	54.0	158.8	UN 61/4"-12
100 tons lifting force						
RH 1003	76.2	1013.5 cm <sup>3</sup>		79.4	212.7	
* aluminium cylinder especia	llv liaht, ** FT	1/4" NPT connection	on thread withou	ut coupling sleeve. Fo	r connection with	the special hydraulic







type RH 203



type RH 503

### Hydraulic spreader (hydraulic crowbars)

Advantages: • Suitable for lifting machines, pre-tensioning concrete forms, for clamping and straightening. Material: HS 2000: forged steel, HS 3000: High quality cast iron

			Minimum	Spread
Туре	Force	Oil volume	required margin	width
HS 2000	1.0 tons	4.06 cm <sup>3</sup>	14.2	101.6
HS 3000	1.5 tons	19.70 cm <sup>3</sup>	30.2	292.1



type HS 2000

## Hydraulic pullers, usable 2- or 3-armed

- Advantages: The extractor is very quick to use, everything is contained in a practical case.
  - In the basic version supports are available that can fit either a 2 or 3-armed puller, so that the puller can be operated in a 2 or 3 armed way.
  - The hydraulic pump is fitted directly onto the cylinder (no tube installation is required).

<b>Supply volume.</b> Frydraulic pump, nydraulic cylinder and 3 pieces removal arms, robusi equipment case						
Туре	Max. tractive force	e Depth o	f removal Spread width	Stroke		
PH 63 C	6 tons	152	200	80		
PH 83 C	8 tons	190	249	80		
PH 113 C	11 tons	229	280	80		
PH 303 C	30 tons	375	540	110		



type PH 83 C

#### **Manual pullers, 2-armed**



Advantages: • Full steel version, forged with tempered crossbeam

- Leg brake with push-button release secures the legs against unintentional movements
- Can be used as external and internal extractor by reversing the legs
  The laser-engraved scale makes it easier to align the legs symmetrically and allows for centred extraction with an optimised distribution of force

• replaceable spindle head

	Max.		Clamping range	Clamping range
Туре	tractive force	Depth of removal	as ext. extractor	as int. extractor
ABZI M 130	5 tons	100	0 - 130	70 - 170
ABZI M 200	10 tons	150	0 - 200	110 - 260
ABZI M 350	 15 tons	200	0 - 350	150 - 420



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C

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