



## Hydraulic pullers BMZ

Hydraulic pullers are an invaluable tool for the maintenance engineer. The pullers allow time and cost savings as they offer high working safety and can be operated in all positions.

Hydraulic pullers are used in all kinds of industries, workshops and in many repair and assembly jobs to remove or install interference fit parts, such as: gears, couplings, bearings, wheels, pulleys, axles, shafts, break drums and many other press fit components. Damage to parts is minimized through the use of controlled hydraulic power, whilst machine down-time can be reduced drastically.

### Features

- drop-forged alloy steel jaws
- hard chromium plated piston, spring return
- no radial moment of torsion
- no spindle wear

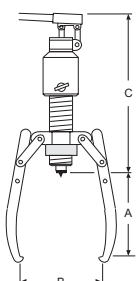
## Hydraulic puller

with integrated hydraulics

6, 8 and 11 tonnes

### Features

- integrated hydraulic cylinder and pump
- quick adjustment with trapezoid speed nut
- 3 and 2-jaw design
- pump lever can rotate through 360°
- piston with durable, spring loaded centering tip
- supplied in a sturdy plastic box



Model	Capacity tonnes	Piston stroke mm	Reach max. A in mm	Diameter Ø B in mm	Length C in mm	Weight kg
<b>BMZ - 6</b>	6	82	160	200	320	4,9
<b>BMZ - 8</b>	8	82	200	250	320	6,6
<b>BMZ - 11</b>	11	82	230	280	345	8,0

## Puller sets with separate hydraulics 10, 15 and 23 tonnes

### Features

- high quality components from our standard hydraulic program
- modular system, hydraulic parts can also be used for many other applications
- long-life hydraulic cylinders manufactured from chromium-molybdenum steel
- two-stage quick-action hand pumps
- incl. high pressure hydraulic hose with quick coupler, L = 2 m
- all complete sets are supplied in metal box (10 and 15 tonnes) or wooden case (23 tonnes)
- all sets are supplied ready to use
- pressure gauge is available on request (GYA - 63)



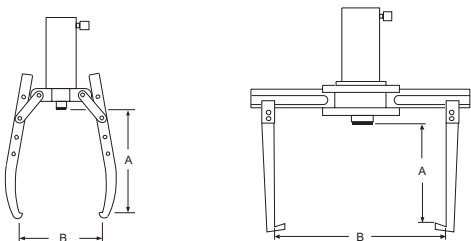
## BMZ - 1000 and 1510

The harder the pulling force, the tighter the grip of the jaws. Longer jaws up to 1000 mm are available on request.

## BMZ - 2311

The radially adjustable pulling arms can be locked at any position.

Model	Capacity tonnes	Hydraulic cylinder Model	Hand pump Model	Hydraulic hose Model	Stroke of cylinder mm	Reach max. A in mm	Diameter Ø B in mm	Weight kg
<b>BMZ - 1000</b>	10	none	none	none	-	300	350	9,5
<b>BMZ - 1010</b>	10	YS - 10/150	HPS - 2/0,7	HHC - 20	150	300	350	21,5
<b>BMZ - 1500</b>	15	none	none	none	-	300	350	9,5
<b>BMZ - 1510</b>	15	YS - 15/150	HPS - 2/0,7	HHC - 20	150	300	350	23,5
<b>BMZ - 2300</b>	23	none	none	none	-	190	700	28,0
<b>BMZ - 2311</b>	23	YS - 23/160	HPS - 2/0,7	HHC - 20	160	190	700	45,0



### Accessories for BMZ - 2311:

**BMZ - 2308 extensions of pulling arms increase the reach (A) up to 400 mm, BMZ - 2309 up to 500 mm**



## Hydraulic puller sets

### YHP



### Hydraulic puller set YHP

These professional puller sets are designed for removing and installing press fitted or heat fitted parts. Hydraulic puller sets eliminate time-consuming and costly repairs as they avoid the damage of parts and reduce machine down times.

All parts are manufactured from high quality drop-forged steel.

The complete sets are supplied “ready to use” and include all necessary components such as hollow cylinder, hydraulic hand pump, pressure gauge (to control the pulling force) and 2 meter hydraulic hose with quick connect coupler.

### 3-Grip puller sets

For all pulling jobs where “solid” parts have to be removed, e.g. gears, belt pulleys, sprockets, flywheels, couplers, shafts, axles etc.

The sets can be used as both 3-jaw and 2-jaw puller.

Model	Capacity max.
YHP - 251 G	20 tonnes
YHP - 351 G	30 tonnes
YHP - 551 G	50 tonnes

### Crosshead puller sets

For all pulling jobs where “multi-segmented” parts have to be removed like: Ball bearings, roller bearings and similar parts. Puller sets are supplied complete with bearing puller attachment and bearing cup puller.

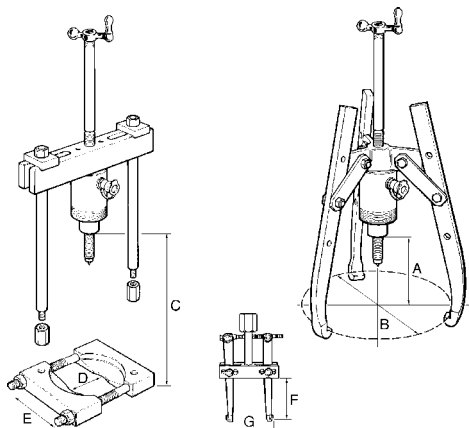
Model	Capacity max.
YHP - 261 G	20 tonnes
YHP - 361 G	30 tonnes
YHP - 561 G	50 tonnes

### Multi-purpose puller sets

These multi-purpose puller sets are universal combinations from both a.m. sets and include all necessary parts from 3-grip puller set and cross-head puller set.

Model	Capacity max.
YHP - 2751 G	20 tonnes
YHP - 3751 G	30 tonnes
YHP - 5751 G	50 tonnes

Type of puller set Model	3-grip puller set			Crosshead puller set			Multi purpose puller set		
	YHP - 251 G	YHP - 351 G	YHP - 551 G	YHP - 261 G	YHP - 361 G	YHP - 561 G	YHP - 2751 G	YHP - 3751 G	YHP - 5751 G
Capacity in tonnes:	20	30	50	20	30	50	20	30	50
Hand pump, model: HPS - 1/07	•	•	-	•	•	-	•	•	-
Hand pump, model: HPS - 2/2	-	-	•	-	-	•	-	-	•
Pressure gauge set, model: GYA - 63	•	•	•	•	•	•	•	•	•
Hydraulic hose, model: HHC - 20	•	•	•	•	•	•	•	•	•
Hollow cylinder, model:	YCS - 21/50	YCS - 33/60	YCS - 57/70	YCS - 21/50	YCS - 33/60	YCS - 57/70	YCS - 21/50	YCS - 33/60	YCS - 57/70
Crosshead, 3-grip	•	•	•	-	-	-	•	•	•
Crosshead, 2-grip	•	•	•	-	-	-	•	•	•
Crank	•	•	•	•	•	•	•	•	•
Grip arm, 3 pcs.	•	•	•	-	-	-	•	•	•
Spindle	•	•	•	•	•	•	•	•	•
Strap, 6 pcs.	•	•	•	-	-	-	•	•	•
Strap screw, 6 pcs.	•	•	•	-	-	-	•	•	•
Strap nut, 6 pcs.	•	•	•	-	-	-	•	•	•
Mounting screw, 2 pcs.	•	•	•	•	•	•	•	•	•
Saddle with internal thread	•	•	•	•	•	•	•	•	•
Smooth saddle	•	•	•	•	•	•	•	•	•
Crosshead	-	-	-	•	•	•	•	•	•
Slide plate, 2 pcs.	-	-	-	•	•	•	•	•	•
Nut, 2 pcs.	-	-	-	•	•	•	•	•	•
Washer, 2 pcs.	-	-	-	•	•	•	•	•	•
Pulling leg, 2 pcs. length in mm	-	-	-	-	•	-	-	•	-
length in mm	-	-	-	115	205	610	115	205	610
Pulling leg, 2 pcs. length in mm	-	-	-	•	-	•	•	-	•
length in mm	-	-	-	240	460	865	240	460	865
Pulling leg, 2 pcs. length in mm	-	-	-	-	•	-	-	•	-
length in mm	-	-	-	420	710	-	420	710	-
Pulling leg, 2 pcs. length in mm	-	-	-	•	-	-	•	-	-
length in mm	-	-	-	570	-	-	570	-	-
Leg end, 2 pcs.	-	-	-	•	•	•	•	•	•
Leg connector, 2 pcs.	-	-	-	•	•	•	•	•	•
Bearing puller attachment	-	-	-	•	•	•	•	•	•
Bearing cup pulling attachment	-	-	-	•	•	•	•	•	•
Speed nut	-	-	-	•	•	•	•	•	•
Storage case	•	•	•	•	•	•	•	•	•
Weight in kg:	40	65	120	46	86	156	91	172	295



Capacity tonnes	3-grip		2-grip		C	D	E	F	G
	A	B	A	B					
20 t	300	500	300	420	0-817	25-155	152	140	30-180
30 t	520	900	520	700	0-977	30-250	250	150	75-230
50 t	700	1200	700	1000	0-1233	75-330	330	150	75-230

Dimensions in mm