HYDRAULIC JACKS & TOOLS



Hydraulic jacks & tools

A characteristic of this "force-oriented" hydraulic program is the operating pressure which can be as high as 700 bar. This guarantees a simple and safe generation of highest forces. In spite of this the units remain compact, portable and easy to operate. High-pressure hydraulic systems of this type are used in universal assembly and repair operations whereby their application in day-to-day operations is almost unlimited. The component program allows the individual configuration of simple and also complex system solutions.

They are used in the following main industrial areas:

Heavy industry, mining, shipbuilding, offshore, aviation industries, power stations, steel construction, steel making and processing, building construction, bridge and tunnel construction, heavy steel and tank construction, metal processing workshops, and many more.

INFO

Please note our user instructions at the beginning of each chapter.

Table of contents

	Page
Hydraulic cylinders, single-acting	328 - 337 346 - 349
Hydraulic cylinders, double-acting	338 - 345
Accessories for hydraulic cylinders	350 - 353
Hand pumps 700bar	354 - 359
Hand pumps up to 2000bar	360
Foot pump 700 bar	361
Electric & Pneumatic motor pumps	362 - 363
Electric hydraulic power packs	364 - 369
Valves & Accessories	370 - 383
Puller	384 - 389
Jacks	390 - 397
Hydraulic jacks & tools	398 - 399
Test rigs	400 - 401
Presses	402 - 404
Selection & Speed charts	405 - 409



Hydraulic puller with integrated hydraulics model BMZ

Pulling force max. 6, 8 and 11t

Hydraulic pullers are a valuable 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

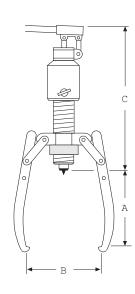
- Drop-forged alloy steel jaws.
- Hard chromium plated piston, spring return.
- No radial moment of torsion.
- No spindle wear.
- Integrated hydraulic cylinder and pump.
- Quick adjustment with trapezoid speed nut.
- 3 and 2-jaw design.
- Pump lever can rotate through 360°.
- Piston with durable, spring loaded centering tip.
- Supplied in a sturdy plastic box.

Technical data model BMZ

Model	EAN-No. 4025092*	Pulling force max.	Stroke mm	Weight kg
BMZ-6	*154499	6	82	4.9
BMZ-8	*154505	8	82	6.6
BMZ-11	*154512	11	82	8.0

Dimensions model BMZ

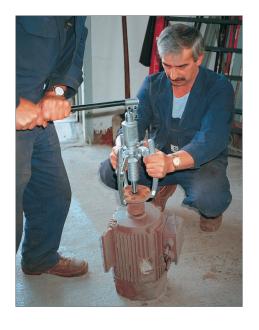
Model	BMZ-6	BMZ-8	BMZ-11
Reach max. A, mm	160	200	230
Diameter Ø max. B, mm	200	250	280
Length C, mm	320	320	345















Puller sets with separate hydraulics 10, 15 and 23t model BMZ

Pulling force max. 10 - 23t

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

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 = 2.0 m.
- All complete sets are supplied in metal box model HPK-10 or wooden case.
- All sets are supplied ready to use.

Scope of delivery:

• Pressure gauge set model GYA-63.



Accessories for model BMZ-2311: Model BMZ-2308 extensions of pulling arms increase the reach (A) up to 395 mm. Model BMZ-2309 up to 495 mm.



Pressure gauge set model GYA-63 is part of the scope of delivery.

Model 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.

Model BMZ-2311

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



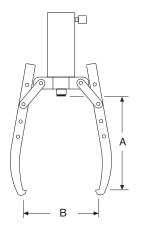
Technical data model BMZ

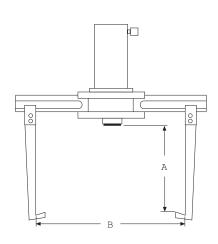
Model	EAN-No. 4025092*	Pulling force max. t	Hydraulic cylinder model	Hand pump model	Hydraulic hose model	Stroke of the cylinder mm	Weight kg
BMZ-1000	*154529	10	without	without	without	_	9.5
BMZ-1010	*154536	10	with YS-10/150	with HPS-2/0,7 A	HHC-20	150	21.5
BMZ-1500	*154543	15	without	without	without	-	9.5
BMZ-1510	*154550	15	with YS-15/150	with HPS-2/0,7 A	HHC-20	150	23.5
BMZ-2300	*154567	23	without	without	without	_	56.8
BMZ-2311	*154482	23	with YS-23/160	with HPS-2/0,7 A	HHC-20	160	106.0

Dimensions model BMZ

Model	BMZ-1000	BMZ-1500	BMZ-2300
Reach max. A, mm	300	300	190
Diameter Ø max. B, mm	350	350	700

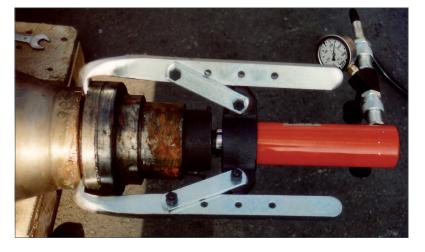












Hydraulic puller sets model YHP

Pulling force max. 10 - 50t

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

Scope of delivery

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	EAN-No. 4025092*	Pulling force max. t
YHP-252 G	*161992	20
YHP-352 G	*162005	30
YHP-552 G	*162012	50

INFO

The set "Cross-bearing puller" have reduced max. pulling forces.



Cross-bearing puller sets

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

Model	EAN-No. 4025092*	Pulling force max. t
YHP-262 G	*162029	10
YHP-362 G	*162036	20
YHP-562 G	*162043	25



Multi-purpose puller sets

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

Model	EAN-No. 4025092*	Pulling force max.
YHP-2752 G	*161787	20/10
YHP-3752 G	*161824	30/20
YHP-5752 G	*162050	50/25



Type of puller set

	3	-grip puller s	et	Cro	sshead puller	r set	Multi	purpose pull	er set
Model	YHP-252 G	YHP-352G	YHP-552 G	YHP-262 G	YHP-362 G	YHP-562 G	YHP-2752 G	YHP-3752 G	YHP-5752G
EAN-No. 4025092*	*161992	*162005	*162012	*162029	*162036	*162043	*161787	*161824	*162050
Capacity, t	20	30	50	10	20	25	20/10	30/20	50/25
Hand pump, model HPS-1/07 A (part 1)	•	•	_	•	•	_	•	•	_
Hand pump, model HPS-2/2 A (part 1)	-	-	•	-	-	•	-	-	•
Pressure gauge set, model GYA-63 (part 2)	•	•	•	•	•	•	•	•	•
Hydraulic hose, model HHC-20 (part 3)	•	•	•	•	•	•	•	•	•
Hollow cylinder (part 4), 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
Triple crosshead (part 5)	•	•	•	-	-	-	•	•	•
Double crosshead (part 6)	•	•	•	_	_	_	•	•	•
Grip arm, 3 pcs. (part 8)	•	•	•	-	_	_	•	•	•
Spindle (part 9)	•	•	•	•	•	•	•	•	•
Strap, 6 pcs. (part 10)	•	•	•	-	-	-	•	•	•
Strap screws + strap nuts, 6 pcs. (part 11)	•	•	•	_	_	_	•	•	•
Mounting screws, 2 pcs. (part 13a)	•	•	•	-	_	_	•	•	•
Mounting screws, 2 pcs. (part 13b)	-	_	_	•	•	•	•	•	•
Saddle with internal thread (part 14)	•	•	•	•	•	•	•	•	•
Smooth saddle (part 15)	•	•	•	•	•	•	•	•	•
Slotted crosshead (part 16)	_	_	_	•	•	•	•	•	•
Slide plate, 2 pcs. (part 17)	_	-	-	•	•	•	•	•	•
Nut, 2 pcs. (part 18)	-	_	_	•	•	•	•	•	•
Washer, 2 pcs. (part 19)	_	_	_	•	•	•	•	•	•
Pulling leg, short, 2 pcs. (part 20), mm	_	_	_	280	255	455	280	255	455
Pulling leg, long, 2 pcs. (part 21), mm	_	-	_	460	505	773	460	505	773
Leg end, 2 pcs. (part 24)	-	-	-	•	•	•	•	•	•
Leg connector, 2 pcs. (part 25)	_	_	_	•	•	•	•	•	•
Bearing puller attachment (part 26)	-	-	-	•	•	•	•	•	•
Bearing cup pulling attachment (part 27)	-	-	-	•	•	•	•	•	•
Storage case (part 29)	•	•	•	•	•	•	•	•	•
Weight, kg	40	65	120	46	86	156	91	172	295

Dimensions hydraulic puller set model YHP

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

