



A selection chart “cylinder/hand pumps” can be found on page 423-425.

Pull cylinder model YPL

Single-acting with spring return, capacity max. 10 - 51 t

Pull cylinders are able to produce extremely high pulling forces and can be controlled precisely by the use of hand pumps or power packs. In neutral position pull cylinders are fully extended. As soon as the cylinders are pressurized the forged links are drawn together. A built-in return spring extends the piston again as soon as the pressure is released.

Shipbuilding, heavy-vessel construction, steel construction, civil engineering as well as general repair and maintenance applications.

Features

- Yale ChroMo-Design.
- Operating pressure max. 700 bar.
- Single-acting with spring return.
- Can be operated in all positions (except model YPPS).
- Cylinder body and piston are made from solid chromium-molybdenum steel and heat-treated.
- Hard-chromium plated piston with replaceable, heat-treated saddle.
- Stop ring can bear full capacity (pressure) and is fitted with dirt wiper.
- Forged, replaceable links.
- With carrying handle and piston protection cover.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- The pull cylinder model YPPS-10/150 is equipped with an integrated hand pump similar to model HPS-2/0.7 A.

A travel-speed chart is supplied on page 426-427.

Technical data model YPL

Cylinder size	Model	EAN-No. 4025092*	Capacity max.	Lift	Effective plunger area	Oil volume max.	Length between links mm	Weight
t			kN	mm	cm ²	cm ³	mm	kg
10	YPL-10/150	*152822	100	150	14.2	213	750	9
20	YPL-20/150	*152839	200	150	30.6	459	795	22
30	YPL-30/150	*152846	300	150	42.6	639	875	29
51	YPL-51/150	*157858	510	150	74.6	1120	955	59
10	YPPS-10/150	*161909	100	150	14.2	213	750	19

Dimensions model YPL

Model	YPL-10/150	YPL-20/150	YPL-30/150	YPL-51/150	YPPS-10/150
A, mm	749	795	875	955	749
B, mm	78	95	120	150	78
C, mm	32	35	56	70	32
D, mm	68	105	121	156	68
E, mm	120	120	150	150	120
G, mm	23	30	32	40	23
H, mm	M24x1.5	M45x2	M50x2	M60x2	M24x1.5

