

YPL
Pull cylinder

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 Dirt wiper protects against dirt.
- Forged, replaceable links.
- With carrying handle and piston protection cover.
- Oil port thread 3/8 NPT.
- Incl. female coupler half CFY-1.
- The pull cylinder YPPS-10/150 is equipped with an integrated hand pump similar to HPS-2/0,7 A.

INFO

Selection charts “cylinder/hand pumps” can be found on pages 438 - 439.

Travel-speed charts are supplied on pages 440 - 441.

Technical data YPL

Cylinder size t	**Model**	Art.-No.	Capacity max. kN	Stroke mm	Effective plunger area cm²	Oil volume max. cm³	Length between links mm	Weight kg
10	**YPL-10/150**	N11900349	100	150	14.2	213	750	9
20	**YPL-20/150**	N11900350	200	150	30.6	459	795	22
30	**YPL-30/150**	N11900351	300	150	42.6	639	875	29
51	**YPL-51/150**	N11900927	510	150	74.6	1120	955	59
10	**YPPS-10/150**	N11900001	100	150	14.2	213	750	19

Dimensions 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	M24 x 1.5	M45 x 2	M50 x 2	M60 x 2	M24 x 1.5

