



YEHB High-tonnage cylinders

**Double-acting with hydraulic return,
capacity max. 140 - 1100 t**

Cylinders of series YEHB are normally used for lifting, positioning or handling heavy loads. The double-acting function allows a faster piston return, even with longer hydraulic hoses.

Lifting and moving of large machinery, steel construction, bridges or similar loads, supporting of buildings and foundations.

Further applications are positioning, weighing, through pressing, stress testing or jacking of all kinds of loads.

Features

- Operating pressure max. 700 bar.
- Double-acting with hydraulic return.
- Generous guiding bands ensure a robust piston guiding.
- Hard chromium-plated piston.
- Stop ring as piston end stop.
- Interchangeable hardened saddle.
- Dirt wiper protects against dirt.
- Oil port thread 3/8 NPT.
- Incl. 2 female coupler halves CFY-1.
- Mounting threads on request.
- All cylinders have lifting rings.



INFO

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

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

Technical data YEHB

Cylinder size	Model	Art.-No.	Capacity max.	Stroke	Effective plunger area	Oil volume max.	Closed height	Cylinder outside diameter	Weight
t			kN	mm	cm ²	cm ³	mm	mm	kg
140	YEHB-140/50	–	1407	50	201	1005	213	210	53
140	YEHB-140/150	–	1407	150	201	3016	318	210	74
140	YEHB-140/300	–	1407	300	201	6032	478	210	104
220	YEHB-220/50	–	2199	50	314	1571	233	260	90
220	YEHB-220/150	–	2199	150	314	4712	333	260	120
220	YEHB-220/300	–	2199	300	314	9425	498	260	169
310	YEHB-310/50	–	3036	50	434	2169	251	305	137
310	YEHB-310/150	–	3036	150	434	6506	357	305	189
310	YEHB-310/300	–	3036	300	434	13012	512	305	263
410	YEHB-410/50	–	4008	50	573	2863	275	350	197
410	YEHB-410/150	–	4008	150	573	8588	382	350	262
410	YEHB-410/300	–	4008	300	573	17177	538	350	357
520	YEHB-520/50	–	5114	50	731	3653	305	400	197
520	YEHB-520/150	–	5114	150	731	10959	410	400	262
520	YEHB-520/300	–	5114	300	731	21918	566	400	357
610	YEHB-610/50	–	5987	50	855	4276	315	430	342
610	YEHB-610/150	–	5987	150	855	12829	420	430	440
610	YEHB-610/300	–	5987	300	855	25659	576	430	583
830	YEHB-830/50	–	8149	50	1164	5821	335	505	504
830	YEHB-830/150	–	8149	150	1164	17462	446	505	649
830	YEHB-830/300	–	8149	300	1164	34925	606	505	858
1100	YEHB-1100/50	–	10644	50	1521	7603	365	570	696
1100	YEHB-1100/150	–	10644	150	1521	22808	476	570	869
1100	YEHB-1100/300	–	10644	300	1521	45616	636	570	1116



INFO

For tilt saddles for cylinders please see pages 378 - 379.