

Hydraulic Jacks & Tools Hydraulic cylinders, single-acting



INFO

Further piston strokes are quoted on request.

The use of tilt saddles is recommended.

Selection charts "cylinder/hand pumps" can be found on pages 416-417.

Travel-speed charts are supplied on pages 418-419.

YEGB

High-tonnage cylinders

Single-acting, gravity return
capacity max. 140 - 1100t

These inexpensive cylinders of series YEGB are used for all general lifting applications in any area of industry where heavy loads need to be lifted, lowered, levelled, positioned or supported.

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

For all heavy-duty jacking applications where a special safety factor is appropriate like lifting and lowering bridges, supporting buildings and foundations, jacking up heavy machines, steel sections, ship modules or similar loads.

Features

- Operating pressure max. 700 bar.
- Plunger in special piston guiding bands.
- Hard chromium-plated piston.
- Overflow hole ensures a definite piston end stop.
- Interchangeable hardened saddle.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- All cylinders have lifting rings.



INFO

Available for all cylinder series YELB, YEGB and YEHB.

AYB

Tilt saddles for cylinders

Tilt saddles should be used with YELB and YEGB cylinders in cases where cylinders are operated on non-parallel surfaces.

The saddles minimize inner friction caused by eccentric loading of the cylinders. The upper part of the saddle can pivot up to 5° in all directions. Tilt saddles are fixed in the piston by means of an O-ring.

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Technical data YEGB

Cylinder size t	Model	Art.-No.	Capacity max. kN	Stroke mm	Effective plunger area cm ³	Oil volume max. cm ³	Closed height mm	Cylinder outside diameter mm	Weight kg
140	YEGB-140/50	-	1407	50	201	1005	160	210	43
140	YEGB-140/150	-	1407	150	201	3016	274	210	74
140	YEGB-140/300	-	1407	300	201	6032	430	210	116
220	YEGB-220/50	-	2200	50	314	1571	180	260	75
220	YEGB-220/150	-	2200	150	314	4712	291	260	120
220	YEGB-220/300	-	2200	300	314	9425	451	260	187
310	YEGB-310/50	-	3036	50	434	2169	193	305	110
310	YEGB-310/150	-	3036	150	434	6506	309	305	176
310	YEGB-310/300	-	3036	300	434	13012	469	305	267
410	YEGB-410/50	-	4008	50	573	2863	215	350	161
410	YEGB-410/150	-	4008	150	573	8588	325	350	244
410	YEGB-410/300	-	4008	300	573	17177	485	350	364
520	YEGB-520/50	-	5114	50	731	3653	225	400	221
520	YEGB-520/150	-	5114	150	731	10959	335	400	329
520	YEGB-520/300	-	5114	300	731	21918	495	400	486
610	YEGB-610/50	-	5987	50	855	4276	236	430	268
610	YEGB-610/150	-	5987	150	855	12829	346	430	393
610	YEGB-610/300	-	5987	300	855	25659	506	430	574
830	YEGB-830/50	-	8149	50	1164	5821	263	505	411
830	YEGB-830/150	-	8149	150	1164	17462	373	505	583
830	YEGB-830/300	-	8149	300	1164	34925	533	505	834
1085	YEGB-1100/50	-	10644	50	1521	7603	292	570	582
1085	YEGB-1100/150	-	10644	150	1521	22808	402	570	801
1085	YEGB-1100/300	-	10644	300	1521	45616	573	570	1142

Technical data AYB

Model	Art.-No.	Suitable for cylinder groups	Weight kg
AYB-50	-	YELB-30 and YELB-50	0.4
AYB-93	-	YELB-93	0.8
AYB-140	-	YELB-140, YEGB-140, YEHB-140	2.0
AYB-220	-	YELB-220, YEGB-220, YEHB-220	3.4
AYB-310	-	YELB-310, YEGB-310, YEHB-310	13.0
AYB-410	-	YELB-410, YEGB-410, YEHB-410	on request
AYB-520	-	YELB-520, YEGB-520, YEHB-520	on request

Other sizes on request

Dimensions AYB

Model	AYB-50	AYB-93	AYB-140	AYB-220	AYB-310	AYB-410	AYB-520
L, mm	50	71.5	94	113	139	159	179
N, mm	34	30	39.2	43	68.5	78	77
O, mm	71	71	97	126	175	210	230

