



YELB Hydraulic cylinders with safety lock nut

**Single-acting, gravity return
capacity max. 30 - 1100 t**

Hydraulic cylinders with safety lock nut are recommended when loads have to remain in the lifted position over a period of time. The safety lock nut ensures a positive load hold in any position, and work can be carried out beneath the lifted load. Hydraulic pressure can be released so that cylinders work like mechanical supports. Pumps can be separated from cylinders.

Lifting and moving of large machinery, steel construction, bridges or similar loads, supporting of 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.
- Single-acting, gravity return.
- Generous guiding bands ensure a robust piston guiding.
- Hard chromium-plated piston with trapezoidal thread.
- Overflow hole ensures a definite piston end stop.
- Interchangeable hardened saddle.
- Oil port thread 3/8 NPT.
- Incl. female coupler half CFY-1.
- All cylinders have lifting rings.

INFO

Further piston strokes are quoted on request.

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



Technical data YELB

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
30	YELB-30/50	–	303	50	44	221	141	100	9
30	YELB-30/100	–	303	100	44	442	191	100	12
30	YELB-30/150	–	303	150	44	663	246	100	15
30	YELB-30/200	–	303	200	44	884	296	100	18
30	YELB-30/300	–	303	300	44	1325	405	100	25
50	YELB-50/50	–	496	50	71	354	153	125	14
50	YELB-50/100	–	496	100	71	709	203	125	19
50	YELB-50/150	–	496	150	71	1063	261	125	25
50	YELB-50/200	–	496	200	71	1418	311	125	30
50	YELB-50/300	–	496	300	71	2126	416	125	40
100	YELB-93/50	–	929	50	133	664	180	170	31
100	YELB-93/100	–	929	100	133	1327	230	170	40
100	YELB-93/150	–	929	150	133	1991	285	170	50
100	YELB-93/200	–	929	200	133	2655	335	170	59
100	YELB-93/300	–	929	300	133	3982	441	170	78
140	YELB-140/50	–	1407	50	201	1005	195	210	52
140	YELB-140/100	–	1407	100	201	2011	245	210	65
140	YELB-140/150	–	1407	150	201	3016	309	210	83
140	YELB-140/200	–	1407	200	201	4021	359	210	96
140	YELB-140/300	–	1407	300	201	6032	465	210	125
220	YELB-220/150	–	2192	150	314	4712	328	260	134
220	YELB-220/300	–	2192	300	314	9425	488	260	201
310	YELB-310/150	–	3037	150	434	6506	351	305	197
310	YELB-310/300	–	3037	300	434	13012	511	305	289
410	YELB-410/150	–	4008	150	573	8588	370	350	274
410	YELB-410/300	–	4008	300	573	17177	530	350	395
520	YELB-520/150	–	5114	150	731	10959	395	400	378
520	YELB-520/300	–	5114	300	731	21918	555	400	535
610	YELB-610/50	–	5987	50	855	4276	311	430	347
610	YELB-610/150	–	5987	150	855	12829	421	430	472
610	YELB-610/300	–	5987	300	855	25659	581	430	654
830	YELB-830/50	–	8149	50	1164	5821	348	505	537
830	YELB-830/150	–	8149	150	1164	17462	458	505	709
830	YELB-830/300	–	8149	300	1164	34925	618	505	959
1085	YELB-1100/50	–	10644	50	1520	7603	392	570	772
1085	YELB-1100/150	–	10644	150	1520	22808	502	570	991
1085	YELB-1100/300	–	10644	300	1520	45616	673	570	1332

INFO

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

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