

Hydraulic cylinders with safety lock nut model YELA

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

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 model CFY-1.
- All cylinders have lifting rings.



INFO

Further piston strokes are quoted on request.

For tilt saddles for cylinders please see pages 348-349.



Technical data model YELA

Cylinder size t	Model	EAN-No. 4025092* 4053981**	Capacity max. kN	Stroke mm	Effective plunger area cm ²	Oil volume max. cm ³	Closed height mm	Cylinder outside diameter mm	Weight kg
30	YELA-30/50	*151894	300	50	44	221	169	100	10.5
30	YELA-30/100	*151900	300	100	44	442	219	100	13.5
30	YELA-30/150	*151917	300	150	44	663	269	100	17.5
30	YELA-30/200	*284677	300	200	44	885	319	100	19.5
30	YELA-30/300	**592817	300	300	44	1325	419	100	26.0
50	YELA-50/50	**817118	497	50	71	355	155	125	15
50	YELA-50/100	**950266	497	100	71	710	205	125	20
50	YELA-50/150	**817088	497	150	71	1063	260	125	25
50	YELA-50/200	**742991	497	200	71	1420	310	125	30
50	YELA-50/300	**590233	497	300	71	2130	415	125	40
100	YELA-93/50	**817125	931	50	133	663	180	170	31
100	YELA-93/100	**817095	931	100	133	1327	230	170	40
100	YELA-93/150	**589220	931	150	133	1989	285	170	50
100	YELA-93/200	**749075	931	200	133	2654	335	170	59
100	YELA-93/300	-	931	300	133	3980	440	170	78
140	YELA-140/50	**945026	1400	50	201	1005	201	200	49
140	YELA-140/100	-	1400	100	201	2010	251	200	61
140	YELA-140/150	**589022	1400	150	201	3015	311	200	76
140	YELA-140/200	-	1400	200	201	4020	361	200	88
140	YELA-140/300	-	1400	300	201	6030	471	200	115
220	YELA-220/50	-	2200	50	314	1570	208	250	79
220	YELA-220/100	-	2200	100	314	3140	258	250	98
220	YELA-220/150	**817101	2200	150	314	4710	318	250	121
220	YELA-220/250	-	2200	250	314	7850	433	250	165
340	YELA-340/50	-	3370	50	491	2453	238	310	139
340	YELA-340/100	-	3370	100	491	4906	288	310	169
340	YELA-340/150	**820521	3370	150	491	7360	348	310	204
340	YELA-340/250	-	3370	250	491	12300	458	310	269
430	YELA-430/50	-	4226	50	615	3078	250	340	175
430	YELA-430/100	-	4226	100	615	6157	300	340	210
430	YELA-430/150	-	4226	150	615	9232	365	340	258
430	YELA-430/250	-	4226	250	615	15400	480	340	338
560	YELA-560/50	-	5520	50	804	4019	280	390	263
560	YELA-560/100	-	5520	100	804	8038	330	390	310
560	YELA-560/150	**767710	5520	150	804	12058	395	390	370
560	YELA-560/250	-	5520	250	804	20100	510	390	478
670	YELA-670/50	-	6603	50	961	4809	305	430	343
670	YELA-670/100	-	6603	100	961	9621	355	430	400
670	YELA-670/150	-	6603	150	961	14425	420	430	473
670	YELA-670/250	-	6603	250	961	24100	535	430	604
880	YELA-880/50	-	8625	50	1256	6280	325	490	474
880	YELA-880/100	-	8625	100	1256	12560	375	490	548
880	YELA-880/150	-	8625	150	1256	18840	440	490	643
880	YELA-880/250	-	8625	250	1256	31400	555	490	813
1100	YELA-1100/50	-	10916	50	1590	7949	340	550	681
1100	YELA-1100/100	-	10916	100	1590	15896	420	550	773
1100	YELA-1100/150	-	10916	150	1590	23845	485	550	894
1100	YELA-1100/250	-	10916	250	1590	39741	600	550	1107

INFO

Selection charts "cylinder/hand pumps" can be found on pages 405-407!

Travel-speed charts are supplied on pages 408-409.