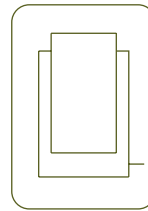


**SINGLE ACTING HIGH TONNAGE CYLINDERS, LOAD RETURN**



- ✓ Capacity from 140 to 1.100 Tn, stroke up to 300 mm.
- ✓ Load return. For weighing, lifting and positioning applications in Civil Engineering.
- ✓ Hydraulic end of stroke overflow port. Without stop ring.  
For mechanical stop ring see SPR models.
- ✓ For confined spaces and loads up to 150 Tn, see SX and SP models.

Performance under Pressure



S/A LOAD RETURN CYLINDERS



Type	<b>SSR</b>
Capacity	140 - 1.100 Tn
Stroke	50 - 300 mm
Max. pressure	700 bar

SSR CYLINDERS

**SPR**  
S/A Low Height Cylinders, High Tonnage, Load Return



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**DDR**  
Double Acting High Tonnage Cylinders



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**HBM / HBE**  
Powerpack



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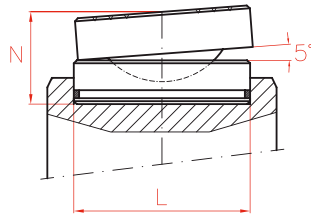


Larzep designs and manufactures special cylinders up to 1.100 Tn capacity to place load cells for pile testing applications.

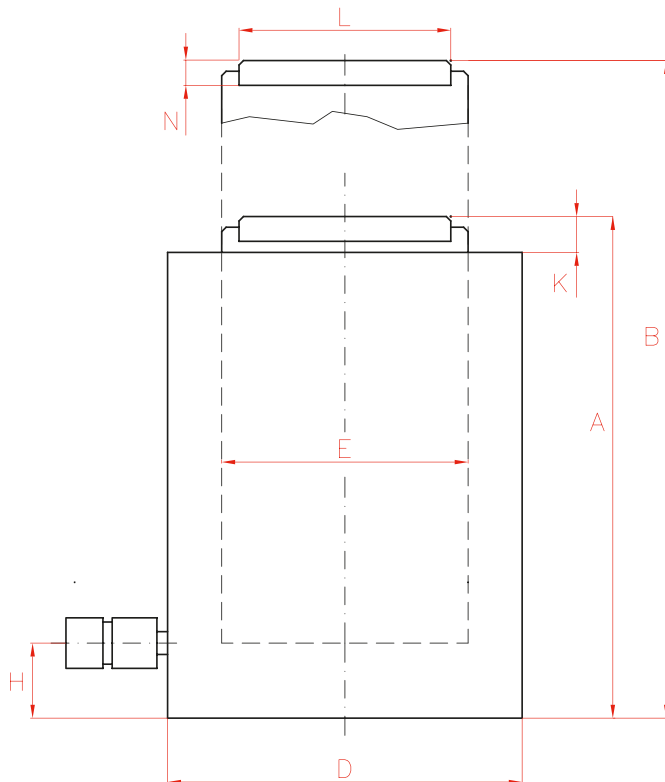


OPTIONAL TILTING SADDLES

Model	L	N	Weight
LARZEP	mm	mm	kg
AZ0404	88	47	2,2
AZ0405	111	52	4,0
AZ0408	178	67	13,0
AZ0411	200	79	19,3
AZ0413	250	105	40,0
AZ0415	325	175	113,0



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Capacity		Stroke	Model	Oil Cap.	A	
Tn	kN	mm	LARZEP	cm <sup>3</sup>	mm	
140	1.380	50	SSR14005	1.005	155	
		100	SSR14010	2.011	205	
		150	SSR14015	3.016	255	
		200	SSR14020	4.021	305	
		250	SSR14025	5.027	355	
		300	SSR14030	6.032	405	
220	2.156	50	SSR22005	1.571	170	
		100	SSR22010	3.142	220	
		150	SSR22015	4.712	270	
		200	SSR22020	6.283	320	
		250	SSR22025	7.854	370	
		300	SSR22030	9.425	420	
350	3.369	50	SSR35005	2.454	210	
		100	SSR35010	4.909	260	
		150	SSR35015	7.363	310	
		200	SSR35020	9.817	360	
		250	SSR35025	12.272	410	
		300	SSR35030	14.726	460	
430	4.224	50	SSR43005	3.079	215	
		100	SSR43010	6.158	265	
		150	SSR43015	9.236	315	
		200	SSR43020	12.315	365	
		250	SSR43025	15.394	415	
		300	SSR43030	18.473	465	
560	5.520	50	SSR56005	4.021	240	
		100	SSR56010	8.042	290	
		150	SSR56015	12.064	340	
		200	SSR56020	16.085	390	
		250	SSR56025	20.106	440	
		300	SSR56030	24.127	490	
670	6.600	50	SSR67005	4.811	260	
		100	SSR67010	9.621	315	
		150	SSR67015	14.432	365	
		200	SSR67020	19.242	415	
		250	SSR67025	24.053	465	
		300	SSR67030	28.863	515	
880	8.625	50	SSR88005	6.283	290	
		100	SSR88010	12.566	340	
		150	SSR88015	18.850	390	
		200	SSR88020	25.133	440	
		250	SSR88025	31.416	490	
		300	SSR88030	37.699	540	
1.100	10.916	50	SSR110005	7.952	340	
		100	SSR110010	15.904	390	
		150	SSR110015	23.856	440	
		200	SSR110020	31.809	490	
		250	SSR110025	39.761	540	
		300	SSR110030	47.713	590	



Performance under Pressure

S/A/ LOAD RETURN CYLINDERS

	B	D	E	H	K	L	N	Area	Weight	Model	With tilting saddle	
	mm	mm	mm	mm	mm	mm	mm	cm <sup>2</sup>	kg	LARZEP	A	Model
	205	200	160	30	7	88	14	201	38	SSR14005	187	AZ0404
	305	200	160	30	7	88	14	201	51	SSR14010	237	AZ0404
	405	200	160	30	7	88	14	201	63	SSR14015	287	AZ0404
	505	200	160	30	7	88	14	201	75	SSR14020	337	AZ0404
	605	200	160	30	7	88	14	201	88	SSR14025	387	AZ0404
	705	200	160	30	7	88	14	201	100	SSR14030	437	AZ0404
	220	250	200	40	7	111	15	314	64	SSR22005	207	AZ0405
	320	250	200	40	7	111	15	314	85	SSR22010	257	AZ0405
	420	250	200	40	7	111	15	314	104	SSR22015	307	AZ0405
	520	250	200	40	7	111	15	314	123	SSR22020	357	AZ0405
	620	250	200	40	7	111	15	314	143	SSR22025	407	AZ0405
	720	250	200	40	7	111	15	314	162	SSR22030	457	AZ0405
	260	310	250	50	7	178	23	491	123	SSR35005	254	AZ0408
	360	310	250	50	7	178	23	491	154	SSR35010	304	AZ0408
	460	310	250	50	7	178	23	491	184	SSR35015	354	AZ0408
	560	310	250	50	7	178	23	491	213	SSR35020	404	AZ0408
	660	310	250	50	7	178	23	491	243	SSR35025	454	AZ0408
	760	310	250	50	7	178	23	491	273	SSR35030	504	AZ0408
	265	340	280	55	7	178	23	616	151	SSR43005	259	AZ0408
	365	340	280	55	7	178	23	616	189	SSR43010	309	AZ0408
	465	340	280	55	7	178	23	616	225	SSR43015	359	AZ0408
	565	340	280	55	7	178	23	616	260	SSR43020	409	AZ0408
	665	340	280	55	7	178	23	616	296	SSR43025	459	AZ0408
	765	340	280	55	7	178	23	616	331	SSR43030	509	AZ0408
	290	390	320	60	7	200	27	804	223	SSR56005	292	AZ0411
	390	390	320	60	7	200	27	804	272	SSR56010	342	AZ0411
	490	390	320	60	7	200	27	804	319	SSR56015	392	AZ0411
	590	390	320	60	7	200	27	804	366	SSR56020	442	AZ0411
	690	390	320	60	7	200	27	804	413	SSR56025	492	AZ0411
	790	390	320	60	7	200	27	804	459	SSR56030	542	AZ0411
	310	430	350	65	7	200	27	962	294	SSR67005	312	AZ0411
	415	430	350	65	7	200	27	962	353	SSR67010	367	AZ0411
	515	430	350	65	7	200	27	962	416	SSR67015	417	AZ0411
	615	430	350	65	7	200	27	962	473	SSR67020	467	AZ0411
	715	430	350	65	7	200	27	962	530	SSR67025	517	AZ0411
	815	430	350	65	7	200	27	962	587	SSR67030	567	AZ0411
	340	490	400	70	10	250	35	1.257	423	SSR88005	360	AZ0413
	440	490	400	70	10	250	35	1.257	503	SSR88010	410	AZ0413
	540	490	400	70	10	250	35	1.257	577	SSR88015	460	AZ0413
	640	490	400	70	10	250	35	1.257	651	SSR88020	510	AZ0413
	740	490	400	70	10	250	35	1.257	725	SSR88025	560	AZ0413
	840	490	400	70	10	250	35	1.257	799	SSR88030	610	AZ0413
	390	550	450	80	10	325	55	1.590	622	SSR110005	460	AZ0415
	490	550	450	80	10	325	55	1.590	716	SSR110010	510	AZ0415
	590	550	450	80	10	325	55	1.590	810	SSR110015	560	AZ0415
	690	550	450	80	10	325	55	1.590	903	SSR110020	610	AZ0415
	790	550	450	80	10	325	55	1.590	996	SSR110025	660	AZ0415
	890	550	450	80	10	325	55	1.590	1.090	SSR110030	710	AZ0415

SSR CYLINDERS