

"Cost effective tools & equipment solutions offered quality products & service."

SAIVS

SAIVS

Hydraulic Equipment Manufacturer
Lift your Business

HYDRAULIC LIFTING SOLUTION



NINGBO SAIVS MACHINERY CO.,LTD.

Add: Jia industrial Zone, Yunlong Town, Yinzhou District, Ningbo City, China 315135

Tel: +86 574 8834 4911 | Fax: +86 574 8834 5368

Email: sales@hydraulic-saivs.com www.hydraulic-saivs.com



INTRODUCTION

Established in Ningbo, China in 1990, SAIVS began as a manufacturer and exporter of investment casting, sand casting, die-casting and CNC machining parts(eg. Cylinder ends, valve bodies, screw cylinder, auto parts, marine parts etc.). In 2002, hydraulic tools research department was settled and company developed its first lines of hydraulic tools and equipment. Today SAIVS is reckoned as one of the most preferred experienced manufacturers and exporters of hydraulic tools and equipment in the industrial market.



Our team

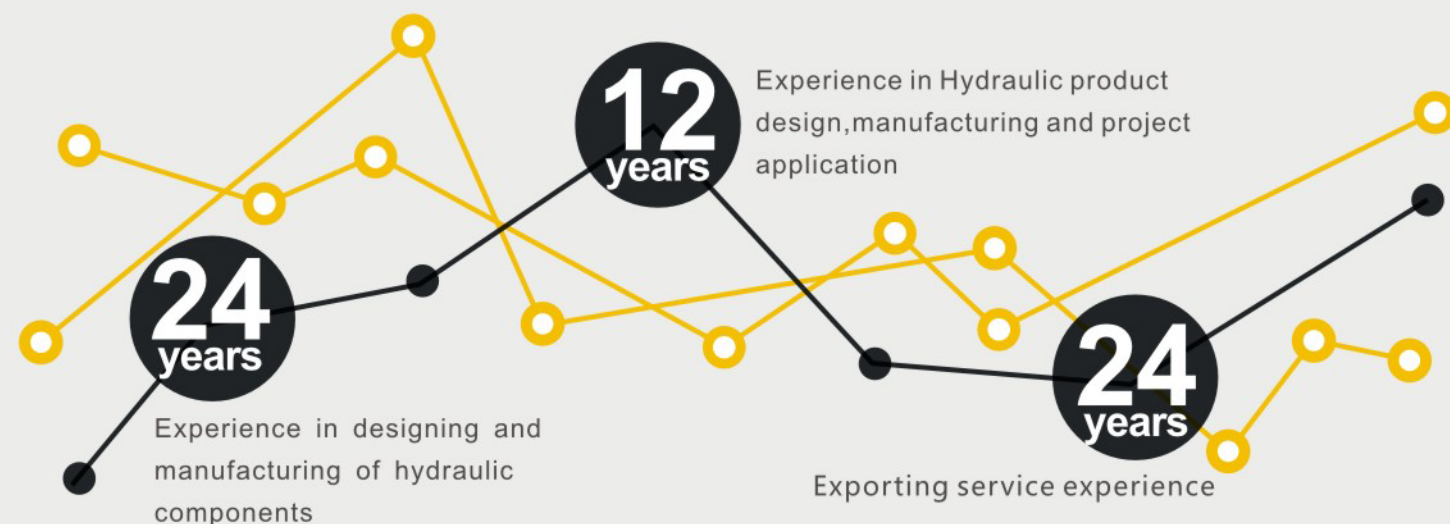
In SAIVS, over 30 engineers ensured our design capability, technical support capability and problem solving capability to provide best support to our clients. Production quality is guaranteed by 20 years production experience and 300 skilled workers. We are ready to assist you.

Our mission

At SAIVS, our focus is to provide our customers with the reliable products and integrity service - to support their business to be more successful.

Our products

Our hydraulic tools and equipment deliver reliable and dependable performance. It includes hydraulic bolting tools, hydraulic cylinder, hydraulic pump and hydraulic heavy lifting solution etc.. Our products are widely used in industry field of steel, shipbuilding, electric power, chemical, metallurgic, construction and many others. SAIVS quality management system is approved by ISO 9001 and offered one year warranty for all range products.



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CERTIFICATION

CE

ISO REGISTERED

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SJF Series
Double-Acting High Tonnage
Hydraulic Cylinder

Capacity: 50-800 ton
Stroke: 50-300 mm
Max.Pressure: 700 bar



QUICK SELECTION CHART

Cylinder Capacity	Stroke	Model Number	Max. Cylinder Capacity		Oil Capacity		Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Weight
			Advance	Retract	Advance	Retract	A	B	C	D	E	
			(KN)		(cm³)		(mm)	(mm)	(mm)	(mm)	(mm)	
ton	(mm)											(Kg)
50	50	SJF50-50	500	255	392	200	188	238	140	100	70	21.5
	100	SJF50-100	500	255	784	400	238	338	140	100	70	26
	150	SJF50-150	500	255	1176	600	288	438	140	100	70	31
	200	SJF50-200	500	255	1568	800	338	538	140	100	70	35
	300	SJF50-300	500	255	2352	1200	438	738	140	100	70	44
100	50	SJF100-50	1000	490	770	377	216	266	180	140	100	42
	100	SJF100-100	1000	490	1540	754	266	366	180	140	100	49
	150	SJF100-150	1000	490	2310	1131	316	466	180	140	100	56
	200	SJF100-200	1000	490	3080	1508	366	566	180	140	100	63
	300	SJF100-300	1000	490	4620	2262	466	766	180	140	100	70
150	50	SJF150-50	1390	709	1005	512	224	274	210	160	112	44
	100	SJF150-100	1390	709	2010	1025	274	374	210	160	112	57
	150	SJF150-150	1390	709	3015	1537	324	474	210	160	112	70
	200	SJF150-200	1390	709	4020	2050	374	574	210	160	112	83
	300	SJF150-300	1390	709	6030	3075	474	774	210	160	112	109
200	100	SJF200-100	2000	875	3141	1374	296	396	250	200	150	109
	150	SJF200-150	2000	875	4712	2061	346	496	250	200	150	121
	200	SJF200-200	2000	875	6282	2748	396	596	250	200	150	132
	300	SJF200-300	2000	875	9423	4122	496	796	250	200	150	155
300	100	SJF300-100	3193	1537	4906	2363	327	427	315	250	180	180
	200	SJF300-200	3193	1537	9812	4726	427	627	315	250	180	220
	300	SJF300-300	3193	1537	14718	7089	527	827	315	250	180	260
400	100	SJF400-100	3919	1317	5723	1924	355	455	355	270	220	255
	200	SJF400-200	3919	1317	11446	3848	455	655	355	270	220	310
	300	SJF400-300	3919	1317	17169	5772	555	855	355	270	220	375
500	100	SJF500-100	5000	1948	8038	3133	375	475	395	320	250	326
	200	SJF500-200	5000	1948	16076	6266	475	675	395	320	250	394
	300	SJF500-300	5000	1948	24114	9399	575	875	395	320	250	462
600	100	SJF600-100	6300	2488	10174	4019	436	536	450	360	280	542
	200	SJF600-200	6300	2488	20348	8038	536	736	450	360	280	634
	300	SJF600-300	6300	2488	30522	12057	636	936	450	360	280	726
800	100	SJF800-100	8000	2880	12566	4522	477	577	550	400	320	796
	200	SJF800-200	8000	2880	25132	9044	577	777	550	400	320	944
	300	SJF800-300	8000	2880	37698	13566	677	977	550	400	320	1092

*Installation reference datasheet in the following page

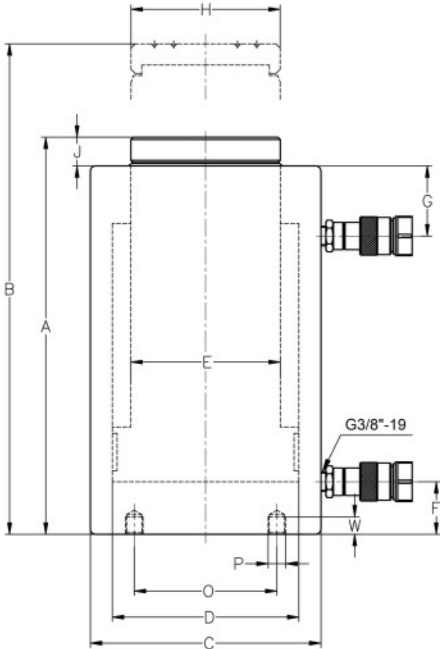
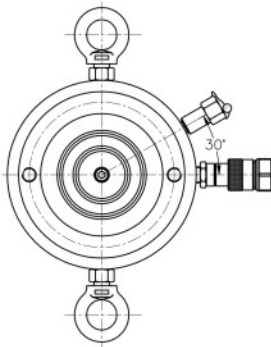
Features

- Double acting, for positive retraction.
- Built-in safety valve prevents accidental over-pressurization.
- Hard chrome plated high quality steel plungers.
- Removable hardened saddles protect plunger during lifting and pressing.
- Special painted surface to increase corrosion resistance.
- Plunger wiper reduces contamination, extending cylinder life.
- The exclusive guide ring is designed absorbs eccentric loading without galling cylinder parts.
- All model include quick couplings and dust-proof cap.
- Easy fixturing with base mounting holes.
- According to different work environment, special cylinder could be customized.

INSTALLATION REFERENCE DATASHEET

Model Number	Base to Advance port	Top to return port	Saddle Dia.	Saddle protrusion from Plunger	Mounting Hole Dimensions		
					Bolt Circle	Thread	Thread Depth
	F	G	H	J	O	P	X
	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)
SJF50-50	41	41	70	24	70	4-M16	13
SJF50-100	41	41	70	24	70	4-M16	13
SJF50-150	41	41	70	24	70	4-M16	13
SJF50-200	41	41	70	24	70	4-M16	13
SJF50-300	41	41	70	24	70	4-M16	13
SJF100-50	54	54	100	24	100	4-M20	16
SJF100-100	54	54	100	24	100	4-M20	16
SJF100-150	54	54	100	24	100	4-M20	16
SJF100-200	54	54	100	24	100	4-M20	16
SJF100-300	54	54	100	24	100	4-M20	16
SJF150-50	58	58	110	24	130	4-M20	16
SJF150-100	58	58	110	24	130	4-M20	16
SJF150-150	58	58	110	24	130	4-M20	16
SJF150-200	58	58	110	24	130	4-M20	16
SJF150-300	58	58	110	24	130	4-M20	16
SJF200-100	64	68	150	29	160	4-M24	24
SJF200-150	64	68	150	29	160	4-M24	24
SJF200-200	64	68	150	29	160	4-M24	24
SJF200-300	64	68	150	29	160	4-M24	24
SJF300-100	74	76	180	35	220	4-M24	24
SJF300-200	74	76	180	35	220	4-M24	24
SJF300-300	74	76	180	35	220	4-M24	24
SJF400-100	83	83	216	35	240	4-M24	24
SJF400-200	83	83	216	35	240	4-M24	24
SJF400-300	83	83	216	35	240	4-M24	24
SJF500-100	93	93	246	35	280	4-M24	24
SJF500-200	93	93	246	35	280	4-M24	24
SJF500-300	93	93	246	35	280	4-M24	24
SJF600-100	115	115	280	40	300	4-M24	24
SJF600-200	115	115	280	40	300	4-M24	24
SJF600-300	115	115	280	40	300	4-M24	24
SJF800-100	113	113	320	57	380	4-M24	24
SJF800-200	113	113	320	57	380	4-M24	24
SJF800-300	113	113	320	57	380	4-M24	24

*If you have any difficulty or questions in the installing process,please contact us directly



PE Series Electric Pump

The PE pump with two-speed design. Reduced cycle times and improved productivity.



Hose

Saivs high quality hydraulic hoses ensured the integrity of the system.(Quick coupling available with NPT 3/8")

SSA Series
Single-Acting Hydraulic
Cylinder



Capacity: 5-95 ton
Stroke: 25-362 mm
Max.Pressure: 700 bar

- Features
- Single-acting, spring return.
 - High strength alloy steel for durability.
 - The exclusive guide Ring is designed absorbs eccentric loading without galling cylinder parts.
 - Special painted surface to increase corrosion resistance.
 - Easy fixturing with collar threads, plunger threads and base mounting holes.
 - Removable hardened grooved saddle.
 - All models include quick coupling and dust cap.
 - Customizable with special requirement.

QUICK SELECTION CHART

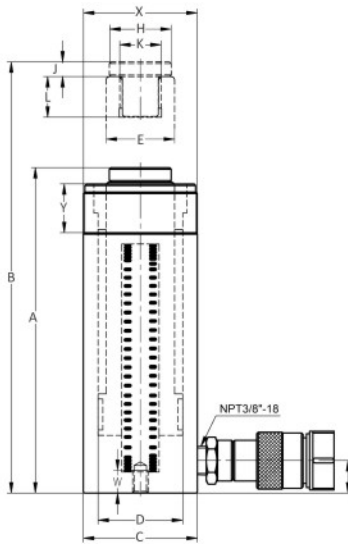
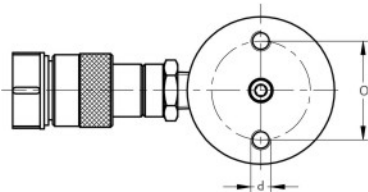
Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Dia.	Weight
				A	B	C	D	E	
ton(kN)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
5(45)	25	SSA5-25	18	110	135	40	30	25	1
	76	SSA5-76	54	165	241	40	30	25	1.6
	127	SSA5-127	90	215	342	40	30	25	2
	177	SSA5-177	125	273	450	40	30	25	2.6
	232	SSA5-232	164	323	555	40	30	25	3.1
10(101)	54	SSA10-54	86	121	175	59	45	35	2.3
	105	SSA10-105	167	171	276	59	45	35	3
	156	SSA10-156	248	247	403	59	45	35	4.1
	203	SSA10-203	323	298	501	59	45	35	5.8
	257	SSA10-257	409	349	606	59	45	35	6.6
	304	SSA10-304	483	400	707	59	45	35	7.5
15(142)	356	SSA10-356	566	450	806	59	45	35	8.3
	25	SSA15-25	53	124	149	70	52	42	3.5
	51	SSA15-51	108	149	200	70	52	42	4
	101	SSA15-101	214	200	301	70	52	42	5
	152	SSA15-152	323	271	423	70	52	42	7
	203	SSA15-203	431	322	525	70	52	42	8
	254	SSA15-254	539	373	627	70	52	42	9
25(232)	305	SSA15-305	647	423	728	70	52	42	10
	356	SSA15-356	756	474	830	70	52	42	11
	26	SSA25-26	86	139	165	85	65	56	6
	50	SSA25-50	166	165	215	85	65	56	7
	102	SSA25-102	338	215	317	85	65	56	8
	158	SSA25-158	524	273	431	85	65	56	10
	210	SSA25-210	696	323	533	85	65	56	12
30(295)	261	SSA25-261	866	374	635	85	65	56	14
	311	SSA25-311	1031	425	736	85	65	56	15
	362	SSA25-362	1201	476	838	85	65	56	17
	50	SSA30-50	209	228	278	101	73	60	13
50(498)	100	SSA30-100	418	278	378	101	73	60	16
	209	SSA30-209	874	387	596	101	73	60	19
	300	SSA30-300	1255	478	778	101	73	60	27
75(718)	51	SSA50-51	361	176	206	127	95	80	15
	101	SSA50-101	716	227	307	127	95	80	19
	159	SSA50-159	1126	282	422	127	95	80	23
	337	SSA50-337	2388	460	797	127	95	80	37
95(933)	156	SSA75-156	1620	285	441	150	115	100	33
	333	SSA75-333	3457	492	825	150	115	100	54
95(933)	168	SSA100-168	2229	357	525	177	130	112	59
	260	SSA100-260	3449	449	709	177	130	112	72

*SSA50,SSA75 and SSA100 cylinder have no internal thread.

INSTALLATION REFERENCE DATASHEET

Model Number	Base to Advance port	Saddle Diameter	Saddle Protr. from plgr.	Plunger Internal Thread	Plunger Thread Length	Base Mounting Holes			Collar Thread	Collar Thread Length
						Bolt Circle	Thread	Thd. Depth		
						O	P	W	X	Y
	F	H	J	K	L	(mm)		(mm)		(mm)
SSA5-25	22	25	6	3/4"-16UN	14	25	1/4"-20UN	6	1 1/2"-16	28
SSA5-76	22	25	6	3/4"-16UN	14	25	1/4"-20UN	6	1 1/2"-16	28
SSA5-127	22	25	6	3/4"-16UN	14	25	1/4"-20UN	6	1 1/2"-16	28
SSA5-177	22	25	6	3/4"-16UN	14	25	1/4"-20UN	6	1 1/2"-16	28
SSA5-232	22	25	6	3/4"-16UN	14	25	1/4"-20UN	6	1 1/2"-16	28
SSA10-54	19	35	6	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA10-105	19	35	6	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA10-156	20	35	6	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA10-203	22	35	6	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA10-257	22	35	6	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA10-304	22	35	6	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA10-356	22	35	9	1"-8UN	19	39	5/16"-18UN	12	2 1/4"-14	28
SSA15-25	20	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-51	20	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-101	20	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-152	25	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-203	25	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-254	25	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-305	25	38	9	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA15-356	25	38	10	1"-8UN	25	47	3/8"-16UN	12	2 1/4"-16	30
SSA25-26	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-50	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-102	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-158	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-210	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-261	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-311	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA25-362	25	50	10	1 1/2"-16UN	25	58	1/2"-13UN	19	3 5/16"-12	49
SSA30-50	36	50	10	1 1/2"-16UN	25	70	1/2"-13UN	19	3 7/8"-12	49
SSA30-100	36	50	10	1 1/2"-16UN	25	70	1/2"-13UN	19	3 7/8"-12	49
SSA30-209	36	50	10	1 1/2"-16UN	25	70	1/2"-13UN	19	3 7/8"-12	49
SSA30-300	36	50	10	1 1/2"-16UN	25	70	1/2"-13UN	19	3 7/8"-12	49
SSA50-51	33	\	\	\	\	95	1/2"-13UN	18	5"-12	55
SSA50-101	33	\	\	\	\	95	1/2"-13UN	18	5"-12	55
SSA50-159	33	\	\	\	\	95	1/2"-13UN	18	5"-12	55
SSA50-337	33	\	\	\	\	95	1/2"-13UN	18	5"-12	55
SSA75-156	41	\	\	\	\	110	1/2"-13UN	15	5 3/4"-12	44
SSA75-333	41	\	\	\	\	110	1/2"-13UN	15	5 3/4"-12	44
SSA100-168	41	\	\	\	\	139	3/4"-10UN	25	6 7/8"-12	44
SSA100-260	41	\	\	\	\	139	3/4"-10UN	25	6 7/8"-12	44

*If you have any difficulty or questions in the installing process,please contact us directly



The SPS series pump could work perfectly with double/single-acting cylinders.



Saivs high quality hydraulic hoses ensured the integrity of the system.



The PE pump with two-speed design. Reduced cycle times and improved productivity.

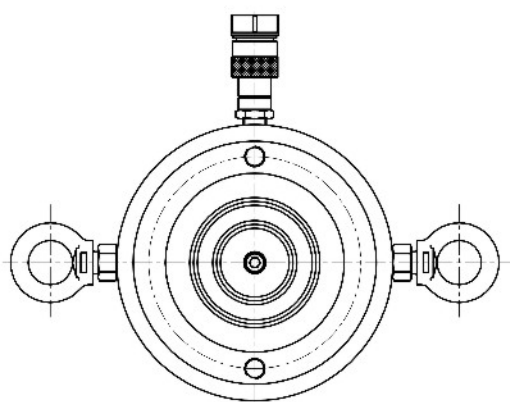
SSJ Series
Single-Acting High Tonnage
Hydraulic Cylinder

Capacity:50 - 800 tons
Stroke:50 - 300 mm
Max. Pressure:700 bar



Features

- Single acting, loads return.
- Built-in safety valve prevents accidental over-pressurization.
- Hard chrome plated high quality steel plungers.
- The exclusive guide Ring is designed absorbs eccentric loading without galling cylinder parts.
- Removable hardened grooved saddles.
- Special painted surface to increase corrosion resistance.
- Plunger wiper reduces contamination, extending cylinder life.
- All model include quick couplings and dust-proof cap.
- Easy fixturing with base mounting holes.

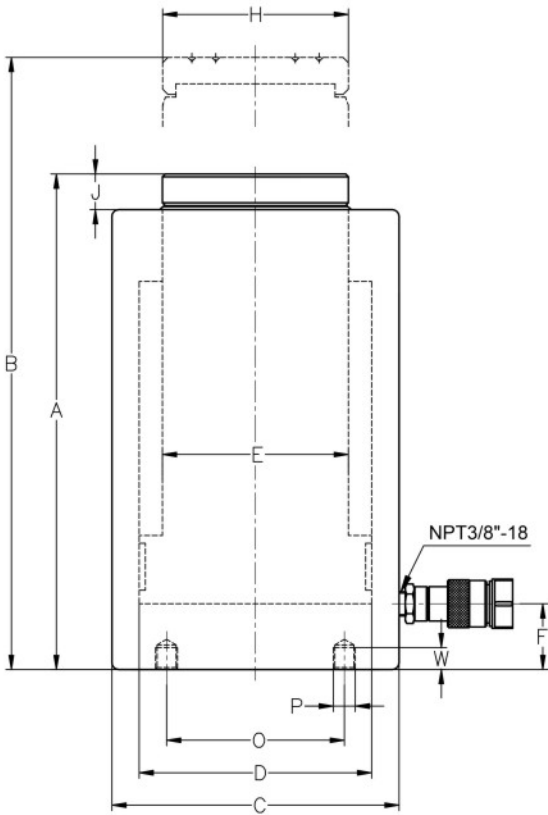


QUICK SELECTION CHART

Cylinder Capacity	Stroke	Model Number	Clinder Effective Area	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Diameter	Base to Advance port	Weight
					A	B					
ton	(mm)		(cm ²)	(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
50	50	SSJ50-50	78.5	392	188	238	140	100	70	41	21.5
	100	SSJ50-100	78.5	784	238	338	140	100	70	41	26
	150	SSJ50-150	78.5	1176	288	438	140	100	70	41	31
	200	SSJ50-200	78.5	1568	338	538	140	100	70	41	35
	300	SSJ50-300	78.5	2352	438	738	140	100	70	41	44
100	50	SSJ100-50	153.9	770	216	266	180	140	100	54	42
	100	SSJ100-100	153.9	1540	266	366	180	140	100	54	49
	150	SSJ100-150	153.9	2310	316	466	180	140	100	54	56
	200	SSJ100-200	153.9	3080	366	566	180	140	100	54	63
	300	SSJ100-300	153.9	4620	466	766	180	140	100	54	70
150	50	SSJ150-50	201	1005	224	274	210	160	112	58	44
	100	SSJ150-100	201	2010	274	374	210	160	112	58	57
	150	SSJ150-150	201	3015	324	474	210	160	112	58	70
	200	SSJ150-200	201	4020	374	574	210	160	112	58	83
	300	SSJ150-300	201	6030	474	774	210	160	112	58	109
200	50	SSJ200-50	314	1570	246	296	250	200	150	64	84
	150	SSJ200-150	314	4712	346	496	250	200	150	64	118
	300	SSJ200-300	314	9423	496	796	250	200	150	64	152
320	50	SSJ300-50	490.6	2453	277	327	315	250	180	74	155
	150	SSJ300-150	490.6	7359	377	527	315	250	180	74	195
	300	SSJ300-300	490.6	14718	527	827	315	250	180	74	255
400	50	SSJ400-50	572.3	2861	305	355	355	270	220	83	240
	150	SSJ400-150	572.3	8583	405	555	355	270	220	83	310
	300	SSJ400-300	572.3	17169	555	855	355	270	220	83	415
500	50	SSJ500-50	803.8	4019	325	375	395	320	250	93	285
	150	SSJ500-150	803.8	12057	425	575	395	320	250	93	353
	300	SSJ500-300	803.8	24114	575	875	395	320	250	93	455
630	50	SSJ600-50	1017.4	5087	386	436	450	360	280	115	487
	150	SSJ600-150	1017.4	15261	486	636	450	360	280	115	579
	300	SSJ600-300	1017.4	30522	636	936	450	360	280	115	717
800	50	SSJ800-50	1256	6280	427	477	550	400	320	113	712
	150	SSJ800-150	1256	18840	527	677	550	400	320	113	860
	300	SSJ800-300	1256	37698	677	977	550	400	320	113	1082

INSTALLATION REFERENCE DATASHEET

Model Number	Saddle Dia.	Saddle protrusion from Plunger	Mounting Hole Dimensions		
			Bolt Circle	Thread	Thread Depth
	H	J	O	P	W
	(mm)	(mm)	(mm)		(mm)
SSJ50-50	70	24	70	4-M16	13
SSJ50-100	70	24	70	4-M16	13
SSJ50-150	70	24	70	4-M16	13
SSJ50-200	70	24	70	4-M16	13
SSJ50-300	70	24	70	4-M16	13
SSJ100-50	100	24	100	4-M20	16
SSJ100-100	100	24	100	4-M20	16
SSJ100-150	100	24	100	4-M20	16
SSJ100-200	100	24	100	4-M20	16
SSJ100-300	100	24	100	4-M20	16
SSJ150-50	110	24	130	4-M20	16
SSJ150-100	110	24	130	4-M20	16
SSJ150-150	110	24	130	4-M20	16
SSJ150-200	110	24	130	4-M20	16
SSJ150-300	110	24	130	4-M20	16
SSJ200-50	150	29	160	4-M24	24
SSJ200-150	150	29	160	4-M24	24
SSJ200-300	150	29	160	4-M24	24
SSJ300-50	180	35	220	4-M24	24
SSJ300-150	180	35	220	4-M24	24
SSJ300-300	180	35	220	4-M24	24
SSJ400-50	216	35	240	4-M24	24
SSJ400-150	216	35	240	4-M24	24
SSJ400-300	216	35	240	4-M24	24
SSJ500-50	246	35	280	4-M24	24
SSJ500-150	246	35	280	4-M24	24
SSJ500-300	246	35	280	4-M24	24
SSJ600-50	280	40	300	4-M24	24
SSJ600-150	280	40	300	4-M24	24
SSJ600-300	280	40	300	4-M24	24
SSJ800-50	320	57	380	4-M24	24
SSJ800-150	320	57	380	4-M24	24
SSJ800-300	320	57	380	4-M24	24



PE Series Electric Pump
The PE pump with two-speed design. Reduced cycle times and improved productivity.

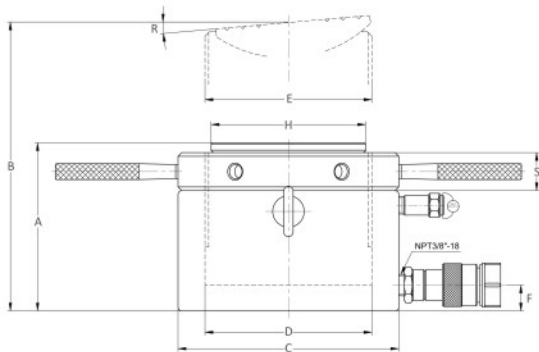


Hose
Saivs high quality hydraulic hoses ensured the integrity of the system. (Quick coupling available with NPT 3/8")

SSL Series
Single-Acting Low Profile
Lock-nut Hydraulic Cylinder

Features

- Lock nut ensure the safety of long time load holding.
- Low profile design, fit in narrow application area.
- Single-acting, load return.
- Overflow port function could limit the stroke.
- Special synthetic coating surface improved corrosion resistance and reduce the friction when operating.
- Double-acting mechanical lock nut cylinder could be customized.
- All model include quick couplings (3/8" NPT) and dust -proof cap.



PE Series Electric Pump
The PE pump with two-speed design. Reduced cycle times and improved productivity.



Hose
Saivs high quality hydraulic hoses ensured the integrity of the system.(Quick coupling available with NPT 3/8")

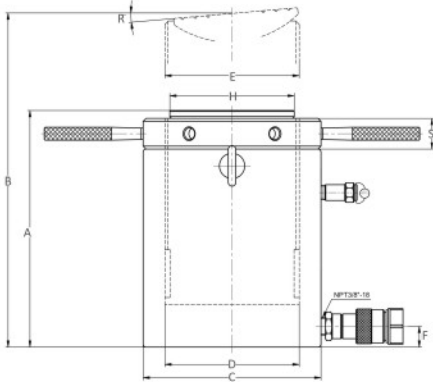
Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Diameter (Thread)	Base to Advance port	Saddle Diameter	Saddle Protrusion from plgr.	Saddle Max. Tilt Angle	lock Nut Height	Weight
ton(kN)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)	(mm)	(kg)
60 (606)	50	SSL60-50	432	125	175	140	106	Tr104x4	19	96	6	3°	28	15
100 (1027)	50	SSL100-50	734	137	187	180	137	Tr136x6	21	126	8	3°	31	27
160 (1619)	45	SSL160-45	1040	148	193	224	172	Tr171x6	27	160	9	3°	40	45.5
200 (1999)	45	SSL200-45	1285	155	200	245	190.7	Tr190x6	30	186	10	3°	43	57
260 (2567)	45	SSL250-45	1650	159	204	275	216	Tr215x6	32	200	11	3°	44	74
400 (3916)	45	SSL400-45	2517	178	223	350	270	Tr266x6	41	251	11	3°	55	134
520 (5114)	45	SSL500-45	3287	192	237	400	305	Tr304x6	48	289	10	3°	62	188

Capacity: 60-520 ton
Stroke: 45-50 mm
Max.Pressure: 700 bar

SJL Series
Single-Acting High Tonnage
Lock-nut Hydraulic Cylinder

Features

- Single-acting, load return.
- Special painted surface to increase corrosion resistance.
- Lock nut ensure the safety of long time load holding.
- Overflow port function could limit the stroke.
- Removable hardened grooved saddles protect plunger during lifting and pressing.
- The exclusive guide Ring is designed absorbs eccentric loading without galling cylinder parts.
- According to different work environment, special cylinder could be customized.
- All model include quick couplings (3/8" NPT) and dust-proof cap.



Capacity: 50-800 ton
Stroke: 50-300 mm
Max.Pressure: 700 bar

Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Diameter (Thread)	Base to Advance port	Saddle Dia.	Saddle Max. Tilt Angle	Lock nut Height	Weight
ton(kN)	(mm)		(cm ²)	(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)	(mm)	(kg)
50	50	SJL50-50	78.5	392	160	210	140	100	Tr99x4	24	90	3°	30	18
	100	SJL50-100	78.5	784	214	315	140	100	Tr99x4	24	90	3°	30	25
	150	SJL50-150	78.5	1176	275	425	140	100	Tr99x4	24	90	5°	30	33
	200	SJL50-200	78.5	1568	347	547	140	100	Tr99x4	24	90	5°	30	41
	300	SJL50-300	78.5	2352	447	747	140	100	Tr99x4	24	90	5°	30	53
100	50	SJL100-50	153.9	770	170	220	180	140	Tr139x6	26	130	5°	40	34
	100	SJL100-100	153.9	1540	257	357	180	140	Tr139x6	26	130	5°	40	50
	150	SJL100-150	153.9	2310	312	462	180	140	Tr139x6	26	130	5°	40	61
	200	SJL100-200	153.9	3080	370	570	180	140	Tr139x6	26	130	5°	40	73
	300	SJL100-300	153.9	4620	470	770	180	140	Tr139x6	26	130	5°	40	93
150	50	SJL150-50	201	1005	209	259	210	160	Tr159x6	49	160	5°	38	56
	100	SJL150-100	201	2010	259	359	210	160	Tr159x6	49	160	5°	38	70
	150	SJL150-150	201	3015	309	459	210	160	Tr159x6	49	160	5°	38	83
	200	SJL150-200	201	4020	359	559	210	160	Tr159x6	49	160	5°	38	97
	300	SJL150-300	201	6030	459	759	210	160	Tr159x6	49	160	5°	38	124
200	50	SJL200-50	314	1570	243	293	250	200	Tr199x6	51	186	5°	52	93
	150	SJL200-150	314	4712	343	493	250	200	Tr199x6	51	186	5°	52	131
	300	SJL200-300	314	9423	493	793	250	200	Tr199x6	51	186	5°	52	189
320	50	SJL300-50	490.6	2453	295	345	315	250	Tr249x6	59	230	5°	60	179
	150	SJL300-150	490.6	7359	395	545	315	250	Tr249x6	59	236	5°	60	240
	300	SJL300-300	490.6	14718	545	845	315	250	Tr249x6	59	236	5°	60	331
400	50	SJL400-50	572.3	2861	335	385	355	270	Tr269x6	70	256	5°	70	266
	150	SJL400-150	572.3	8583	435	585	355	270	Tr269x6	70	256	5°	70	345
	300	SJL400-300	572.3	17169	585	885	355	270	Tr269x6	70	256	5°	70	464
500	50	SJL500-50	803.8	4019	375	425	395	310	Tr319x6	80	306	5°	80	358
	150	SJL500-150	803.8	12057	475	625	395	320	Tr319x6	80	306	5°	80	454
	300	SJL500-300	803.8	24114	625	925	395	320	Tr319x6	80	306	5°	80	597
600	50	SJL600-50	1017.4	5087	395	445	450	360	Tr359x6	85	346	5°	85	490
	150	SJL600-150	1017.4	15261	495	645	450	360	Tr359x6	85	346	5°	85	614
	300	SJL600-300	1017.4	30522	645	945	450	360	Tr359x6	85	346	5°	85	800
800	50	SJL800-50	1256	6280	455	505	550	400	Tr399x6	100	386	5°	100	843
	150	SJL800-150	1256	18840	555	705	550	400	Tr399x6	100	386	5°	100	1028
	300	SJL800-300	1256	37698	705	1005	550	400	Tr399x6	100	386	5°	100	1306

SSB Series

Single-Acting Low Profile Cylinder

Features

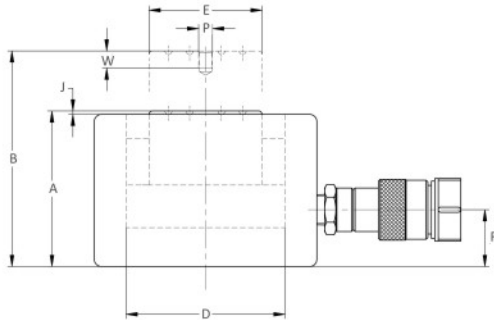
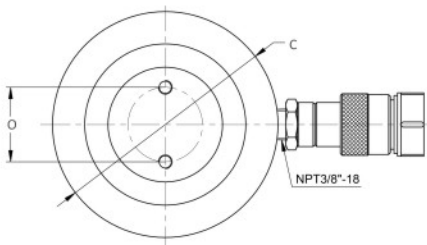
- Single-acting, spring return.
- No saddle required with grooved plunger end.
- Two plunger threads on grooved plunger end for particular needs.
- Special painted surface to increase corrosion resistance.
- All models include quick coupling and dust cap.
- Low profile design, fit in narrow application area
- Easy carrying with handles on some models (Capacity over 50tons).
- Customizable with special requirement.



Capacity: 10-150 ton
Stroke: 11-80 mm
Max.Pressure: 700 bar

MOUNTING HOLE DIMENSIONS

Model Number	Mounting Hole Dimensions		
	Bolt Circle	Hole Dia.	Thread Depth
	O (mm)	P (mm)	W (mm)
SSB10-38	26	M4	18
SSB20-45	39	M5	8
SSB30-64	39	M5	8
SSB50-60	39	M5	8
SSB75-50	55	M8	10
SSB100-57	55	M8	10
SSB150-51	55	M8	10
SSB150-80	55	M8	10



QUICK SELECTION CHART

Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Diameter (Thread)	Base to Advance port	Saddle Protrusion from Plunger	Plunger to Base	Plunger to Mounting Hole	Weight
				A	B	C	D	E	F	J	M	N	
ton(kN)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)	(kg)
10(101)	38	SSB10-38	60	88	126	78	45	35	23	2	\	\	4
20(201)	45	SSB20-45	140	97	142	96	63	50	23	2	\	\	6.9
30(295)	64	SSB30-64	290	117	181	109	76	60	23	2	\	\	9.8
50(435)	60	SSB50-60	471	120	180	233	200	80	24	2	\	\	13.3
75(718)	50	SSB75-50	584	116	166	157	122	100	21	2	\	\	19
100(887)	57	SSB100-57	877	141	198	176	140	112	31	2	\	\	24.5
150(1386)	51	SSB150-51	1184	141	192	215	172	145	28	2	\	\	42
150(1386)	80	SSB150-80	1860	170	250	215	172	145	28	2	\	\	50

SSC Series

Single-Acting Low Flat Hydraulic Cylinder

Features

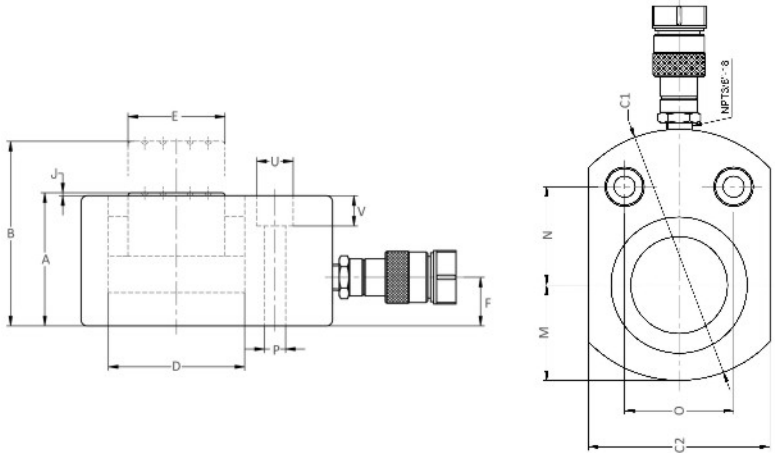
- Single-acting, spring return.
- No saddle required with grooved plunger end.
- Two plunger threads on grooved plunger end for particular needs.
- Special painted surface to increase corrosion resistance.
- All models include quick coupling and dust cap.
- Flat design used in confined spaces.
- Easy carrying with handles on some models (Capacity over 75tons).
- Customizable with special requirement.



Capacity: 10-150 ton
Stroke: 11-16 mm
Max.Pressure: 700 bar

MOUNTING HOLE DIMENSIONS

Model Number	Mounting Hole Dimensions			
	Bolt Circle	Hole Dia.	Counter Bore Dia.	Counter bore Depth
	O (mm)	P (mm)	U (mm)	V (mm)
SSC10-11	36.6	7.1	10.7	7.9
SSC20-12	49.3	10	15.1	9.9
SSC30-13	52.3	10	15.9	11.2
SSC50-16	66.5	11	19	12.7
SSC75-16	76.2	13.5	20.6	14.2
SSC100-16	76.2	13.5	20.6	14.2
SSC150-16	117.3	13.5	20.6	14.2



Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Dia.	Plunger Diameter (Thread)	Base to Advance port	Saddle Protrusion from Plunger	Plunger to Base	Plunger to Mounting Hole	Weight
				A	B	C1x2	D	E	F	J	M	N	
ton(kN)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
10(101)	11	SSC10-11	18	44	55	83X60	45	35	23	1	31.5	34	1.4
20(201)	12	SSC20-12	37	52	64	102X80	63	50	23	1	41	39	2.2
30(295)	13	SSC30-13	59	58	71	117X97	76	60	23	1	48.5	47	4.2
50(435)	16	SSC50-16	125	67	83	150X125	100	80	23	1	63	60	7.4
75(718)	16	SSC75-16	187	79	96	177X152	122	100	23	1	76.5	73	12.7
100(887)	16	SSC100-16	246	87	103	203X179	140	112	23	1	89.5	84	15.5
150(1386)	16	SSC150-16	371	95	111	236X212	172	145	23	1	106	92	28.7

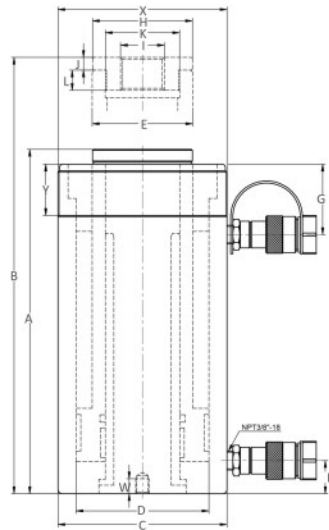
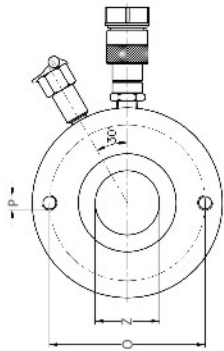
SJZ Series
Double-Acting Hollow
Hydraulic Cylinder

Features

- Hollow plunger cylinders allow for both pull and push forces.
- Double-acting cylinder version for fast retraction.
- Built-in safety valve prevents accidental over-pressurization.
- Special painted surface to increase corrosion resistance.
- Dual dust ring structure remains cylinder internal cleaning.
- The exclusive guide Ring is designed absorbs eccentric loading without galling cylinder part.
- Floating center tube is designed to increase product life.
- Easy fixturing with collar threads, plunger threads and base mounting holes.



Capacity: 30 - 145 ton
Stroke:38 - 258 mm
Max.Pressure:700 bar



QUICK SELECTION CHART

Cylinder Capacity	Stroke	Model Number	Max. Cylinder Capacity		Oil Capacity		Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Diameter (Thread)	Weight
			Advance	Retract	Advance	Retract						
ton(kN)	(mm)		(kN)		(cm ³)		A	B	C	D	E	(kg)
30	178	SJZ300-178	326	210	855	550	330	508	115	90	64.5	21
	258	SJZ300-258	326	210	1240	798	431	689	115	90	64.5	27
60	89	SJZ600-89	576	360	749	468	247	336	159	125	94.5	28
	166	SJZ600-166	576	360	1398	873	323	489	159	125	94.5	35
	257	SJZ600-257	576	360	2146	1352	438	695	159	125	94.5	45
95	38	SJZ1000-38	931	627	517	345	165	203	212	165	125	33
	76	SJZ1000-76	931	627	1028	692	254	330	212	165	125	61
	153	SJZ1000-153	931	627	2070	1394	342	495	212	165	125	79
	257	SJZ1000-257	931	627	3477	2341	460	717	212	165	125	106
145	203	SJZ1500-203	1429	749	4191	2198	359	562	247	190.5	150	111

SJZ1000-38 and SJZ1500-203 cylinder have no collar thread.
SJZ1500-203 cylinder has no saddle internal thread and no base mounting hole.

INSTALLATION REFERENCE DATASHEET

Model Number	Base to Advance port	Top to return port	Saddle Dia.	Saddle Internal Thread	Saddle protrusion from Plunger	Plunger Internal Thread	Plunger Thread Length	Mounting Hole Dimensions			Collar Thread	Collar Thread Length	Center Hole Dia.
	F	G	H	I	J	K	L	Bolt Circle	Thread	Thread Depth	X	Y	Z
	(mm)	(mm)	(mm)		(mm)		(mm)	O	P	W		(mm)	(mm)
SJZ300-178	25	60	64	1 1/4"-7	9	1 13/16"-16UN	22	92.2	3/8"-16UNC	15.7	4 1/2"-12	42	33.3
SJZ300-258	25	60	64	1 1/4"-7	9	1 13/16"-16UN	22	92.2	3/8"-16UNC	15.7	4 1/2"-12	42	33.3
SJZ600-89	31	66	94	1 5/8"-5 1/2"	12	2 3/4"-16UN	19	130.3	1/2"-13UNC	14	6 3/4"-12	48	53.8
SJZ600-166	31	66	94	1 5/8"-5 1/2"	12	2 3/4"-16UN	19	130.3	1/2"-13UNC	14	6 3/4"-12	48	53.8
SJZ600-257	31	66	94	1 5/8"-5 1/2"	12	2 3/4"-16UN	19	130.3	1/2"-13UNC	14	6 3/4"-12	48	53.8
SJZ1000-38	34	45	125	2 1/2"-8	12	4"-16UN	25	177.8	5/8"-11UNC	19	\	\	79
SJZ1000-76	34	85	125	2 1/2"-8	12	4"-16UN	25	177.8	5/8"-11UNC	19	8 3/8"-12	60	79
SJZ1000-153	34	85	125	2 1/2"-8	12	4"-16UN	25	177.8	5/8"-11UNC	19	8 3/8"-12	60	79
SJZ1000-257	34	85	125	2 1/2"-8	12	4"-16UN	25	177.8	5/8"-11UNC	19	8 3/8"-12	60	79
SJZ1500-203	38	60	127	\	13	4 1/4"-12UN	25	\	\	\	\	\	79

*If you have any difficulty or questions in the installing process, please contact us directly

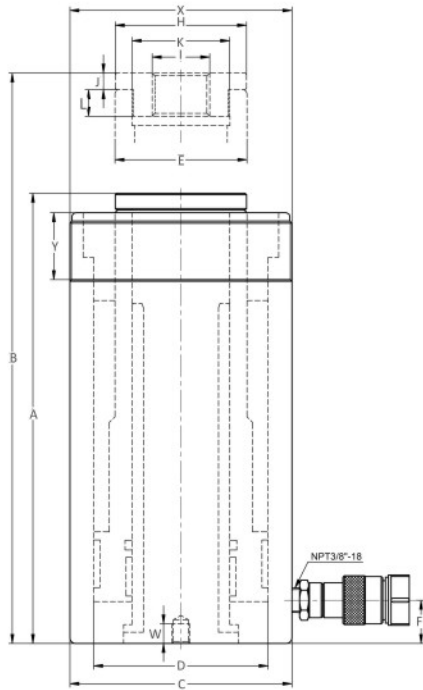
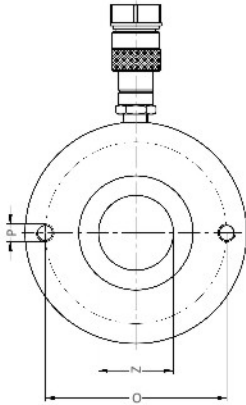
SSZ Series
Single - Acting Hollow
Hydraulic Cylinder

Features

- Hollow plunger design allows for both, pull and push forces
- The exclusive guide Ring is designed absorbs eccentric loading without galling cylinder parts
- Single-acting, spring return
- Easy fixturing with collar threads
- Special painted surface to increase corrosion resistance
- Dual dust-proof ring structure remains cylinder internal cleaning
- Floating center tube is designed to increase product life
- All models include quick coupling and dust cap.
- Customizable with special requirement.



Capacity: 13 - 95 ton
Stroke: 42- 155 mm
Max.Pressure: 700 bar



QUICK SELECTION CHART

Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Diameter	Plunger Diameter (Thread)	Weight
ton(kN)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
13(125)	42	SSZ130-42	76	130	172	76	55	35.5	3.4
	76	SSZ130-76	138	184	260	76	55	35.5	5.2
20(215)	49	SSZ200-49	174	162	211	101	77	54.5	8.2
	155	SSZ200-155	550	306	461	101	77	54.5	15
30(326)	64	SSZ300-64	307	180	244	115	90	64.5	11.5
	155	SSZ300-155	744	330	485	115	90	64.5	21.5
60(576)	76	SSZ600-76	640	247	323	159	125	94.5	28.2
	153	SSZ600-153	1278	323	476	159	125	94.5	35.5
95(931)	76	SSZ1000-76	1028	254	330	212	165	125	63.5

INSTALLATION REFERENCE DATASHEET

Model Number	Base to Advance port	Saddle Diameter	Saddle Protrusion from plgr.	Saddle Internal Thread	Plunger Internal Thread	Plunger Thread Length	Base Mounting Holes			Collar Thread	Collar Thread Length	Center Hole Dia.
	F	H	I	J	K	L	Bolt Circle	Thread	Thd. Depth	X	Y	Z
	(mm)	(mm)	(mm)			(mm)	(mm)		(mm)		(mm)	(mm)
SSZ130-42	20	\	\	\	3/4"-16UN	16	50.8	3/16"-18UNC	9	2 3/4"-16	30	19.5
SSZ130-76	20	\	\	\	\	\	50.8	3/16"-18UNC	12.7	2 3/4"-16	30	19.5
SSZ200-49	23	54	9	1"-8	1 5/16"-16UN	19	82.6	3/8"-16UNC	9.4	3 7/8"-12	38	26.9
SSZ200-155	23	54	9	1"-8	1 5/16"-16UN	19	82.6	3/8"-16UNC	9.4	3 7/8"-12	38	26.9
SSZ300-64	25	64	9	1 1/4"-7	1 13/16"-16UN	22	92.2	3/8"-16UNC	14	4 1/2"-12	42	33.3
SSZ300-155	25	64	9	1 1/4"-7	1 13/16"-16UN	22	92.2	3/8"-16UNC	14	4 1/2"-12	42	33.3
SSZ600-76	31	94	12	1 5/8"-5 1/2"	2 3/4"-16UN	19	130.3	1/2"-13UNC	14	6 3/4"-12	48	53.8
SSZ600-153	31	94	12	1 5/8"-5 1/2"	2 3/4"-16UN	20	130.3	1/2"-13UNC	14	6 3/4"-12	48	53.8
SSZ1000-76	34	125	12	2 1/2"-8	4"-16UN	25	177.8	5/8"-11UNC	19	8 3/8"-12	60	79

PE4 Series Portable Electric Pumps



- Features
- Two-speed design reduces cycle times for improved productivity.
 - Built-in safety valve to prevent overloading.
 - Externally adjustable relief valve allows control of operating pressure without opening the pump.
 - Different flow control valve is available to fit special working requirement.
 - High strength molded shroud protects the electrical components-class motor from contamination and damage.
 - Compact design, light weight, 12kg only.

Reservoir Capacity: 5 litres
Flow at Rated Pressure: 0.25 l/min
Motor Size: 0.4 kW
Max. Operating Pressure: 700 bar

- 1). All models meet CE safety requirement.
- 2). Different Voltage (115, 230, 380, 415 and 440 voltage) & Frequence (50/60Hz) are available.
- 3). Flow rate of the pump at 50Hz will be higher at 60Hz.

PE10 Series Electric Pumps



- Features
- Electric pump motor with light weight aluminum housing, and integrated heat sink for easy cooling
 - Two-speed design reduces cycle times for improved productivity.
 - Built-in safety valve to prevent overloading
 - Externally adjustable relief valve allows control of operating pressure without opening the pump
 - Oil tank cooler is optional, it could support pump long duration Sustained working
 - Different flow control valve is available to fit sepcial working requiemnt
 - Compact, lightweight and durable aluminium frame protect the pump
 - Suited to power medium size (double-acting & single-acting) cylinders or hydraulic tools
 - Protection circuit is designed to avoid current overload, prevent the damage to pump motor

Reservoir Capacity: 28 litres
Flow at Rated Pressure: 1 l/min
Motor Size: 1.5 kW
Max. Operating Pressure: 700 bar



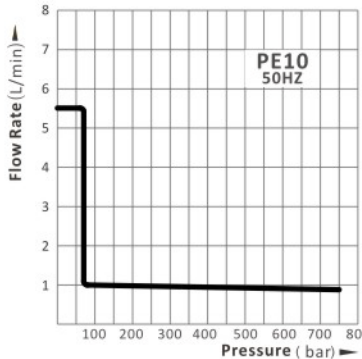
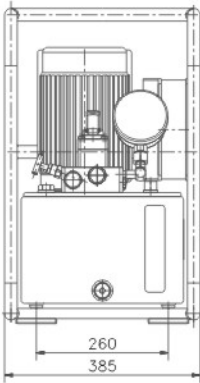
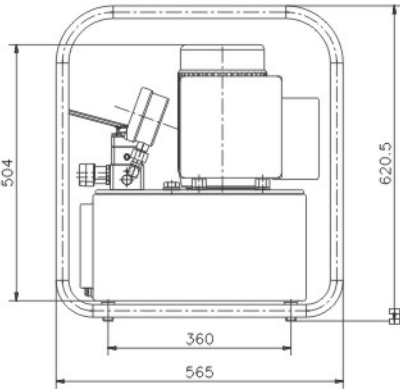
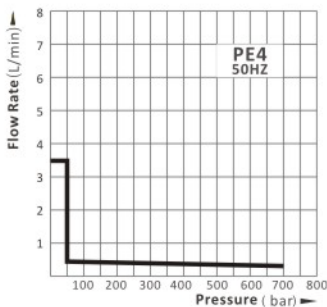
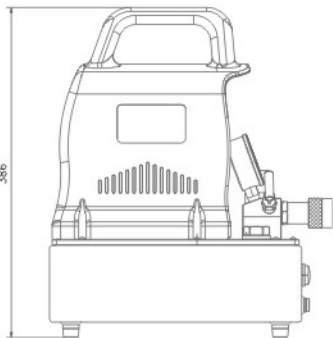
Hydraulic Cylinder
Saivs Hydraulic cylinder work perfectly with PE10pump. (ie.SJF, SSL, SSA, SSZ,SSC /SSB etc.)



Tool-Pump Sets
Hydraulic Nut Splitters are available as sets (pump, tool, gauge, couplers and hose) for your ordering convenience.



Hose
Saivs high quality hydraulic hoses ensured the integrity of the system.(Quick coupling available with NPT 3/8")



Model No.	Oil Flow		Pressure (Mpa)		Power	Oil Capacity	Input Power*	Weight	Dimensions
	High Pressure	Low Pressure	High Pressure	Low Pressure					
	(l/min)	(l/min)	(bar)	(bar)					
PE4	0.25	2.5	700	40	0.4	5	110V-240V 1ph/50Hz	12	342*210*395
	0.25	3.0	700	40	0.4	5	100V-130V 1ph/60Hz	13	342*210*395

Model No.	Oil Flow		Pressure (Mpa)		Power	Oil Capacity	Input Power*	Weight	Dimensions
	High Pressure	Low Pressure	High Pressure	Low Pressure					
	(l/min)	(l/min)	(bar)	(bar)					
PE10	1	5.2	700	70	1.5	28	220V-440V 3Ph/50Hz	50	565*385*620
	1	6.2	700	70	1.5	28	200V-480V 3Ph/60Hz	50	565*385*620

PE15/25 Series
Electric Pumps

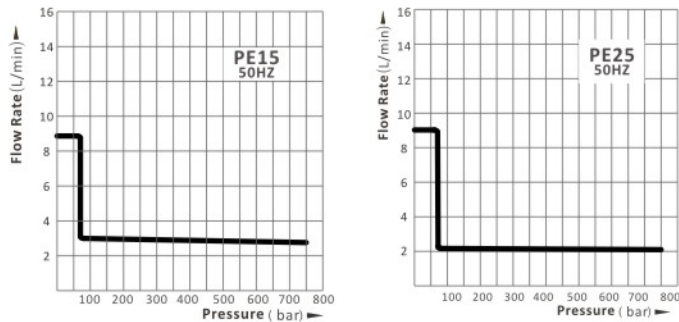
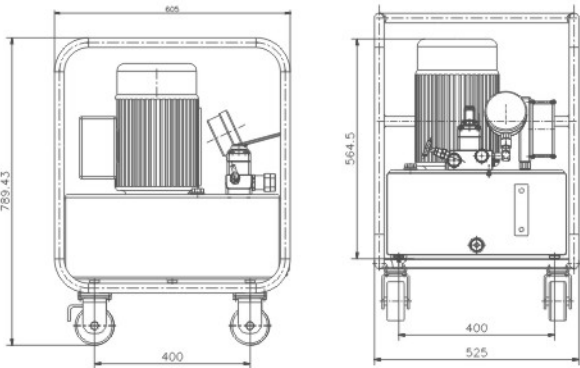


Features

- Electric pump motor with light weight aluminum housing, and integrated heat sink for easy cooling
- Two-speed design reduces cycle times for improved productivity.
- Built-in safety valve to prevent overloading
- Externally adjustable relief valve allows control of operating pressure without opening the pump
- Oil tank cooler is optional, it could support pump long duration sustained working
- Different flow control valve is available to fit sepcial working requiemment
- Compact, lightweight and durable aluminium frame protect the pump
- Suited to power medium size (double-acting & single-acting) cylinders or hydraulic tools
- Protection circuit is designed to avoid current overload, prevent the damage to pump motor

Reservoir Capacity: 55 litres
Flow at Rated Pressure: 1.5-2.2 l/min
Motor Size: 2.2-3 kW
Max. Operating Pressure: 700 bar

- 1). All models meet CE safety requirement.
2). Different Voltage (115, 230, 380, 415 and 440 voltage) & Frequence (50/60Hz) are available.
3). Flow rate of the pump at 50Hz will be higher at 60Hz.



Model No.	Oil Flow		Pressure (bar)		Power	Oil Capacity	Input Power*	Weight	Dimensions
	High Pressure	Low Pressure	High Pressure	Low Pressure					
	(l/min)	(l/min)	(bar)	(bar)					
PE15	1.6	8.7	700	70	2.2	55	220V-440V 3Ph/50Hz	70	605*525*790
	1.6	8.4	700	70	2.2	55	200V-480V 3Ph/60Hz	70	605*525*790
PE25	2.2	9.3	700	70	3	55	220V-440V 3Ph/50Hz	74	605*525*790
	2.2	9	700	70	3	55	200V-480V 3Ph/60Hz	74	605*525*790

SPS Series
Hand Pumps



Features

- Light weight and compact design
- Two speed operation, increase the work efficiency
- Better protability with the handle
- Build-in safety valve inside to provides safe dual-protection
- Overflow port function could limit the stroke
- Note: SPSD7-2 is double-acting hydraulic hand pump, equipped with 4 valves

Usable Oil Capacity:0.65-7.5 L
Max Pressure :700-1600 bar

- 1). All models meet CE safety requirement.
2). Different Voltage (115, 230, 380, 415 and 440 voltage) & Frequence (50/60Hz) are available.
3). Flow rate of the pump at 50Hz will be higher at 60Hz.

Gauges
Minimize the risk of overloading and ensure long, dependable service from the equipment.

Hydraulic Cylinder
Saivs Hydraulic cylinder work perfectly with PE10/15pump. (ie.SSL,SSA,SSZ,SSC/SSB etc.)

Hose
Saivs high quality hydraulic hoses ensured the integrity of the system.

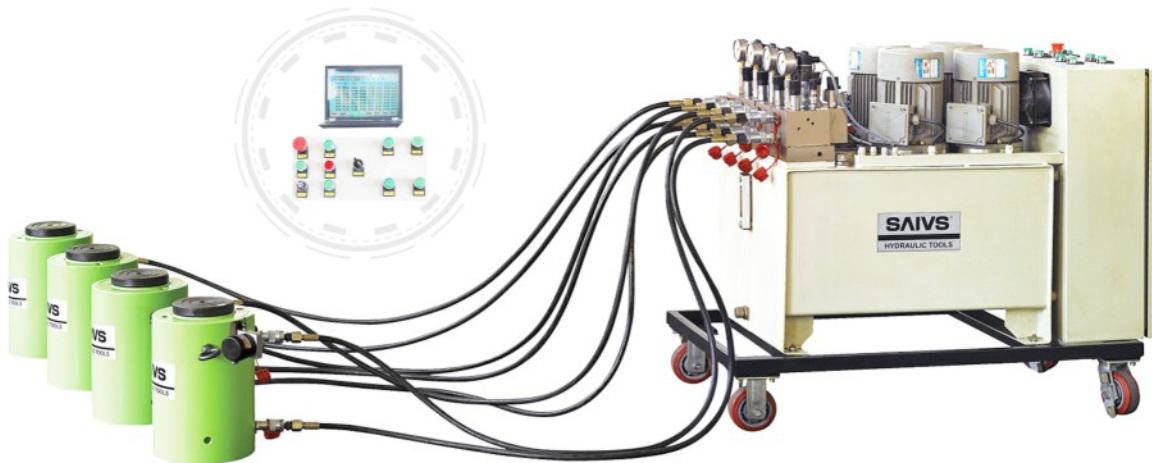
Tool-Pump Sets
Hydraulic Nut Splitters are available as sets (pump, tool, gauge, couplers and hose) for your ordering convenience.

1.Reservoir
2.Oil-filling air breather
3.Handle
4.Grip
5.Pump Body
6.Unloading Valve
7.Foot

Pump Type	Usable Oil Capacity	Model Number	Pressure Rating		Output Oil Volume Each Stroke		Handle Force	Dimensions			Ouptut Adapter	Weight
			(Bar)		(cm ³)			(mm)				(kg)
	(cm ³)		1st Stage	2st Stage	1st Stage	2st Stage	(N)	A	B	C		
Double Speed	655	SPS7-0.7	25	700	15	2.6	300	520	133	119	NPT3/8"	5.3
	1440	SPS7-1	25	700	32	2.5		577	120	170		6.3
	2200	SPSD7-2	25	700	16	2.5		539	146	170		8
	3240	SPS7-3	25	700	32	2.5		582	200	170		10
	5860	SPS7-4	25	700	32	2.5		667	250	172		14.5
	7500	SPS7-8	14	700	126	4.8		742	308	270		27
	1440	SPS16-1	15	1600	32	2.5	375	577	120	170	G1/4"	6.3
	3240	SPS16-3	15	1600	32	2.5		577	140	190		10

SPH Series

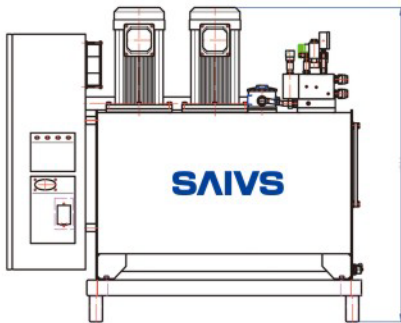
Synchronous Lifting System / Heavy Lifting Solution



Number of Lifting Points: 2,4 or 6
Accuracy:0.5-1.0mm over full stroke

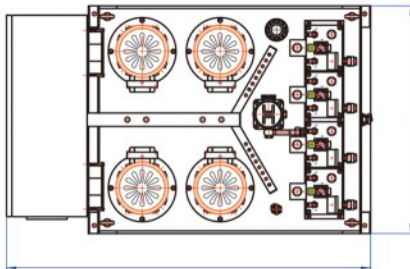
Features

Lifting system support 4, 6 lifting points.
Can be connected to single-acting or double-acting cylinder with the same or different lifting capacities.
PLC-controlled system with integrated 700 bar hydraulic power unit.
Variable frequency drive motor (VFDM) and PLC for precise synchronization and oil flow control.
Safety control valve ensure the cylinder holding the position while the electric power down by accident.



Application

Bridge lifting and repositioning.
Bridge launching & maintenance.
Incremental launching and box jacking.
Lifting and lowering of heavy equipment.
Foundation levelling of onshore and offshore wind turbines.
De-propping/load transfer from temporary steel work.
Foundation shoring.



Technical Chart

Model Number	Lifting Points	Oil Flow @700bar (l)	Power (kW)	Weight (kg)	Dimension (mm)
SPHF-1-4	4	0.96	1.5	350	1355*850*1200
SPHF-2.5-4	4	2.5	3	450	1355*850*1201
SPHF-4-4	4	4	5.5	700	1400*900*1100
SPHF-6-4	4	6	7.5	1000	1500*1000*1200

Model Number	Lifting Points	Oil Flow @700bar (l)	Power (kW)	Weight (kg)	Dimension (mm)
SPHP-0.4-4	4	0.32	1.6	140	709*470*695
SPHP-0.4-6	6	0.32	2.4	200	909*470*695
SPHP-1-4	4	1	1.5	300	1000*750*1000
SPHP-1-6	6	1	1.5	350	1000*750*1000

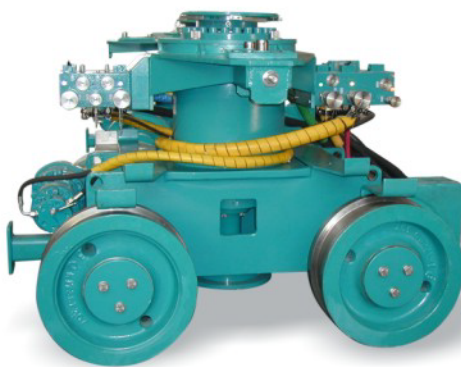
*Economy solution of synchronous lifting system

Brand Parts





SVS Series The Ship Rail Transfer System



The Ship Rail Transfer System is designed to transport ships in the dockyard. The transfer system requires little maintenance and easy to operate. It is waterproofed and stored outdoors without damage or adverse effects. The Rail Transfer System runs on rails and can move both in lateral and transverse directions. The transfer system is powered by hydraulic trolley and its control system. The system consists of a number of transfer trolleys, each with lifting capacity up to 350 tons. Each trolley has a payload of 150ton SWL and can be arranged differently depending on the load distribution and total load.

Hydraulic Ship Transfer Trolleys Datasheet

Lifting capacity (t)	170 tons
Stroke/Lifting height (mm)	250 mm
Pressure of working liquid (bar)	250 bar

General Specification

Loading capacity(t)	170 tons
Track width(mm)	1000 mm
Base width(mm)	1200 mm
Running wheel pressure(t)	50 tons
Running wheel diameter(mm)	700 mm
Driving torque (N.m)	35000 N.m
Speed of movement with full loading (m/min)	2m/min
Speed of movement with empty loading (m/min)	4m/min
Weight to trolley (t)	5 tons

Control System Specifi cation

Input voltage (V)	380 V
Wattage (kw)	90 kw
Fuel consumption with 2 pump stations (L/min)	200 L/min
Oil tank capacity (L)	1200 L
Weight (t)	7 tons

*Hydraulic ship transfer trolleys is designed allording to different project. Contact Saivs for more information.

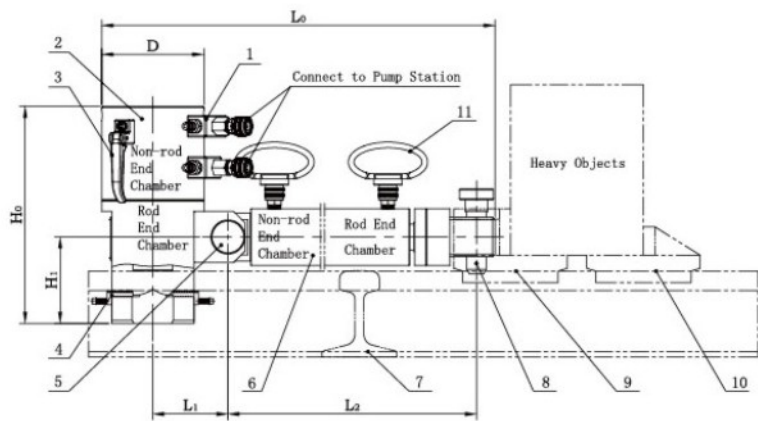


SCM Series
Hydraulic Pusher

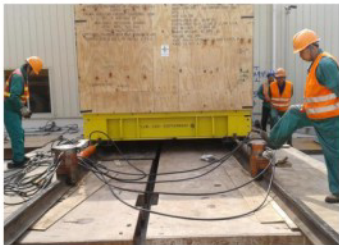


SCM Series hydraulic pusher for railed heavy objects moving("hydraulic pusher" for short),is composed of 2 units: clamping jaw and pushing unit. It's a new type effective tool to heavy objects' short-distance moving to installing postion. With advantages of high power, good stability,continuous moving capability and high efficeince, it is widely applied in heavy objects moving situations and partly replaced the traditional ways that using crosstie and rollers.

- 1-Distributor Valve
- 2-Clamping Cylinder
- 3-Switch
- 4-Jaw
- 5-Long Pin
- 6-Pushing Cylinder
- 7-Heavy Rail
- 8-Short Pin
- 9-Driving Skip Shoe
- 10-Driven Skip Shoe
- 11- Rustproof Handle Ring



Model Number	Dimensions					
	L0	L1	L2	H0	H1	D
	(mm)					
SCM16-600	1143	132.5	887	382	152	180
SCM30-600	1193	157.5	905	417	152	250



Model Number	Clamping Jaw						Pusher					
	Working Pressure	Rated Clamping Force	Clamp Travel	Reservoir oil volume	Usable oil volume	Self-Weight	Work Pressure	Rated Push Force	Push Stroke	Reservoir oil volume	Usable oil volume	Self-Weight
	(bar)	(kN)	(mm)	(L)	(L)	(kg)	(bar)	(kN)	(mm)	(L)	(L)	(kg)
SCM16-600	504	775	35	0.27	0.54	67	504	157	600	0.92	1.87	50
SCM30-600	624	1960	35	0.52	1.10	137	585	294	600	1.34	3.02	69

Hydraulic Tools
Parts & Accessories

High Pressure Hose

Inside Diameter: 6.4 mm
Length: 2-12 m
Max. Operating Pressure: 700 bar



Internal Diameter	Hose Length	Model Numbers			
		700Bar		1000Bar	
mm	m	NPT1/4"	NPT3/8"	NPT1/4"	NPT3/8"
6.4	2	SZAX-2-NPT1/4	SZAX-2-NPT3/8	SZAJ-2-NPT1/4	SZAJ-2-NPT3/8
	3	SZAX-3-NPT1/4	SZAX-3-NPT3/8	SZAJ-3-NPT1/4	SZAJ-3-NPT3/8
	6	SZAX-6-NPT1/4	SZAX-6-NPT3/8	SZAJ-6-NPT1/4	SZAJ-6-NPT3/8
	9	SZAX-9-NPT1/4	SZAX-9-NPT3/8	SZAJ-9-NPT1/4	SZAJ-9-NPT3/8
	12	SZAX-12-NPT1/4	SZAX-12-NPT3/8	SZAJ-12-NPT1/4	SZAJ-12-NPT3/8

Model Numbers	Hose Length	Internal Diameter	Pressure
SZBJ-6-NPT1/4	6m	6.4mm	1000 Bar
SZBJ-10-NPT1/4	10m		
SZBJ-15-NPT1/4	15m		

- Note:
- 1.Rubber hose and polyurethane hose are all avaliable for selection. Please notify in the order.
 - 2.Length can be customized
 - 3.SZBJ series are twin tough cover bonded hoses

Hydraulic Gauge

Pressure Range: 600-1000 bar
Face Diameter: 63-100 mm
Accuracy,% of full scale: +1.0-1.5%



Model Numbers	Dimension	Thread	Gauge Calivration
	(mm)		(bar)
YN-63-70	63	NPT1/4"	0-700
YN-100-70	100	G1/2"	0-700
YN-100-100			0-1000
YN-100-160			0-1600

- Double scale display for PSI and Mpa
- Pressure sensor parts are sealed by silicon oil
- Durable with safety seal