

**CSE GS**

10-600 ton
Stroke 25-300 mm
700 bar

CSE GS
Series**Single-acting cylinders with
load return and safety ring**

- With the threaded safety ring the load can be mechanically locked and held for extended periods of time even when the hydraulic pump is disconnected. Therefore, the operator can work under a lifted load in complete safety.
- Cylinders designed to support and hold bridges, viaducts and heavy structural steelwork.
- The end-stroke ring guarantees maximum operator safety, preventing plunger over-stroke.
- High-strength removable head.
- Models weighing more than 20 kg are equipped with a handle or lifting eyebolts to make them easier to carry.

**SPECIAL CYLINDERS
ON REQUEST**



Very high tonnage (1200 ton) cylinders with self-levelling head for heavy lifting operations in the infrastructure sector.

CSE GS TU ^{Series}

Single acting plunging cylinders load return

- With Lock Nut to provide mechanical load holding for extended periods of time.
- Plunging version - Overflow port functions as a stroke limiter
- Anti-corrosion Nitox treatment

50 -1000 ton
50-300 mm stroke

CSE GS TU TA ^{Series}

Single acting cylinders load return with an extremely low height for use in confined areas

- With Lock Nut to provide mechanical load holding for extended periods of time.
- Plunging version - Overflow port functions as a stroke limiter
- Anti-corrosion Nitox treatment
- Saddle Max. Tilt Angle 3-5%

50 -1000 ton
45-50 mm stroke

CRI GS ^{Series}

Double acting cylinders with Lock Nut to maintain the load and to have an easy return of the piston

- Anti-corrosion Nitox treatment

50 -1000 ton
50-300 mm stroke



CRI 200/100 GS TA double-acting cylinders with safety ring for lifting structures.



Plunging cylinders Series CSE GS TU TA

CAP/Force ton (kN)	STROKE mm	MODEL	SECTION cm ²	VOLUME cm ³	WEIGHT kg	DIMENSIONS in mm										
						A	B	C	D	E	F	G	H	L	M	O
10 /111.3	25	CSE-10/25-GS	15.9	39.7	3.1	97	122	88	75	45	Tr38 x3	30	19	18	M8	58
	50	CSE-10/50-GS	15.9	79.5	3.9	122	172	113	75	45	Tr38 x3	30	19	18	M8	58
20 /218.2	25	CSE-20/25-GS	31.2	77.9	5.5	120	145	108	92	63	Tr52 x6	40	20	25	M8	75
	50	CSE-20/50-GS	31.2	155.8	6.6	145	195	133	92	63	Tr52 x6	40	20	25	M8	75
	100	CSE-20/100-GS	31.2	311.7	8.9	195	295	183	92	63	Tr52 x6	40	20	25	M8	75
30 /309.2	25	CSE-30/25-GS	44.2	110.4	9.5	134	159	126	113	75	Tr65 x6	52	24	28	M10	92
	50	CSE-30/50-GS	44.2	220.8	11.2	159	209	151	113	75	Tr65 x6	52	24	28	M10	92
	100	CSE-30/100-GS	44.2	441.7	14.7	209	309	201	113	75	Tr65 x6	52	24	28	M10	92
50 /549.7	25	CSE-50/25-GS	78.5	196.3	16.6	148	173	140	140	100	Tr85 x6	72	30	34	M10	110
	50	CSE-50/50-GS	78.5	392.6	19.2	173	223	165	140	100	Tr85 x6	72	30	34	M10	110
	100	CSE-50/100-GS	78.5	785.3	25.8	235	335	227	140	100	Tr85 x6	72	30	34	M10	110
	150	CSE-50/150-GS	78.5	1178	30.9	285	435	277	140	100	Tr85 x6	72	30	34	M10	110
100 /1077.5	50	CSE-100/50-GS	153.9	769.6	41	202	252	188	190	140	Tr120x10	92	34	48	M10	150
	100	CSE-100/100-GS	153.9	1539.3	51	252	352	238	190	140	Tr120x10	92	34	48	M10	150
	150	CSE-100/150-GS	153.9	2309	63	312	462	298	190	140	Tr120x10	92	34	48	M10	150
	200	CSE-100/200-GS	153.9	3078.7	72	362	562	348	190	140	Tr120x10	92	34	48	M10	150
150 /1407.4	50	CSE-150/50-GS	201.1	1005.3	69	252	302	238	218	160	Tr130x10	110	37	66	M10	180
	100	CSE-150/100-GS	201.1	2010.6	81	302	402	288	218	160	Tr130x10	110	37	66	M10	180
	150	CSE-150/150-GS	201.1	3015.9	93	352	502	338	218	160	Tr130x10	110	37	66	M10	180
	200	CSE-150/200-GS	201.1	4021.2	109	418	618	404	218	160	Tr130x10	110	37	66	M10	180
	250	CSE-150/250-GS	201.1	5026.5	123	475	725	461	218	160	Tr130x10	110	43	66	M10	120
200 /1984.7	25	CSE-200/25-GS	283.5	708.8	88	245	270	231	258	190	Tr160x10	138	47	70	M12	200
	50	CSE-200/50-GS	283.5	1417.6	96	270	320	256	258	190	Tr160x10	138	47	70	M12	200
	100	CSE-200/100-GS	283.5	2835.2	112	320	420	306	258	190	Tr160x10	138	47	70	M12	200
	150	CSE-200/150-GS	283.5	4252.9	127	370	520	356	258	190	Tr160x10	138	47	70	M12	200
	200	CSE-200/200-GS	283.5	5670.5	147	430	630	416	258	190	Tr160x10	138	47	70	M12	200
	250	CSE-200/250-GS	283.5	7088.2	164	485	735	471	258	190	Tr160x10	138	52	70	M12	140
	300	CSE-200/300-GS	283.5	8505.8	184	545	845	531	258	190	Tr160x10	138	52	70	M12	140
250 /2424.5	50	CSE-250/50-GS	346.4	1731.8	152	310	360	296	290	210	Tr170x10	148	52	74	M16	230
	150	CSE-250/150-GS	346.4	5195.4	194	410	560	396	290	210	Tr170x10	148	52	74	M16	230
	250	CSE-250/250-GS	346.4	8659	240	519	769	505	290	210	Tr170x10	148	52	74	M16	150
300 /2908.3	50	CSE-300/50-GS	415.5	2077.3	173	314	364	300	308	230	Tr180x10	158	57	80	M16	250
	150	CSE-300/150-GS	415.5	6232.1	219	414	564	400	308	230	Tr180x10	158	57	80	M16	250
	250	CSE-300/250-GS	415.5	10386.8	267	519	769	505	308	230	Tr180x10	158	57	80	M16	160
400 /4007.8	50	CSE-400/50-GS	572.6	2862.7	268	343	393	329	365	270	Tr220x10	196	67	86	M16	300
	150	CSE-400/150-GS	572.6	8588.3	344	455	605	441	365	270	Tr220x10	196	67	86	M16	300
	250	CSE-400/250-GS	572.6	14313.8	411	555	805	541	365	270	Tr220x10	196	67	86	M16	200
500 /4948	50	CSE-500/50-GS	706.9	3534.2	356	378	428	364	400	300	Tr240x10	214	72	97	M16	330
	150	CSE-500/150-GS	706.9	10602.8	435	478	628	464	400	300	Tr240x10	214	72	97	M16	330
	250	CSE-500/250-GS	706.9	17671.4	531	596	846	582	400	300	Tr240x10	214	72	97	M16	230
600 /5987	50	CSE-600/50-GS	855.3	4276.4	393	399	449	385	440	330	Tr270x10	244	82	105	M16	370
	150	CSE-600/150-GS	855.3	12829.4	554	499	649	485	440	330	Tr270x10	244	82	105	M16	370
	250	CSE-600/250-GS	855.3	21382.4	672	617	867	603	440	330	Tr270x10	244	82	105	M16	250

Cylinders with higher tonnage and different strokes are also available.