Mounting applications

Working pressure: 700 kg/cm²/10.000 psi.

All pistons have a salt bath nitriding treatment or a hard chrome plating, depending on the model, to resist corrosion and for longer life.

With built-in bronze guide for easier sliding of piston.

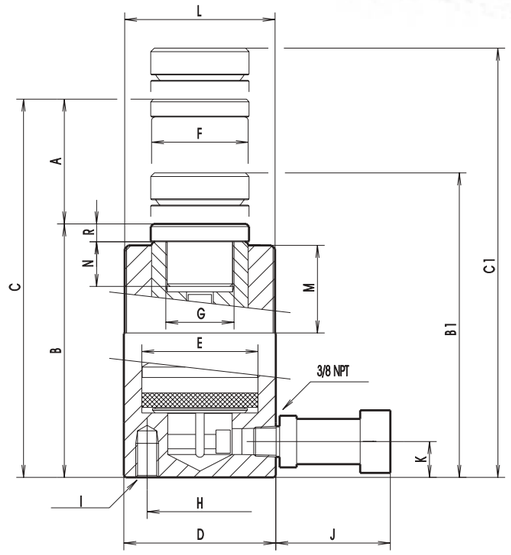
These cylinders are fitted with a removable grooved saddle, pressure mounted or screwed in the piston head. They are also equipped with a high flow female quick coupler with dust cap, ref. A-5507-H.

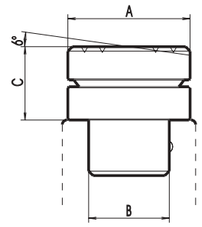
Carry handles on models weighing from 20 kg/44 lbs to 40 kg/88 lbs. Heavier models are fitted with eye hooks for transport.

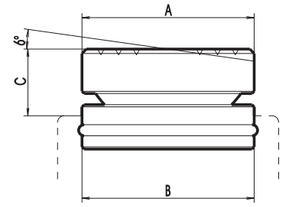
With mounting holes and threaded areas protected against blows for easy coupling or special tooling applications.

Cross section view

Single-acting, spring return







Tilting saddle (optional)

Ref.	Used with	Dimensions mm/in.					
		A		B		C	
BCSRA-5	CSRA-5	26	1 1/32	17,4	11/16	15	19/32
BCSRA-11	CSRA-11, CSRA-16	40	1 9/16	22,1	7/8	20	25/32
BCSRA-23	CSRA-23, CSRA-31	55	2 11/64	36,3	1 7/16	23	29/32
BCSRA-55	CSRA-55	65	2 9/16	56	2 13/64	25	1
BCSRA-93	CSRA-93	80	3 6/32	73,5	2 7/8	31	1 7/32

Rated capacity tn	Ref.	Stroke A mm.	Stroke A in.	Maximum capacity kN	Effective area cm²	Effective area in²	B, C1 with tilting saddle: B	B1	C	C1	D	E	F	G	H	I	J	K	L	M	N	R	Oil volume cm³	Oil volume in³	Weight Kg.	Weight lbs.
5	CSRA-5A	25	1	48,5	7,06	1,09	110 / 4 11/32	125 / 4 15/16	135 / 5 5/16	150 / 5 7/8	40 / 1 9/16	30 / 1 3/16	26 / 1 1/32	3/4-16UNF	25 / 63/64	1/4-20UNC	70 / 2 3/4	20 / 25/32	1 1/2-16UN	29 / 1 9/64	16 / 5/8	6 / 15/64	18	1,1	1	2,2
	CSRA-5B	75	2 15/16				160 / 6 15/16	175 / 6 7/8	235 / 9 1/4	250 / 9 7/8													54	3,3	1,45	3,2
	CSRA-5C	125	4 15/16				212 / 8 3/8	227 / 8 15/16	337 / 13 1/4	352 / 13 7/8													90	5,5	1,92	4,2
	CSRA-5D	175	6 7/8				273 / 10 3/4	288 / 11 5/16	448 / 17 5/8	463 / 18 1/4													126	7,7	2,48	5,6
	CSRA-5E	225	8 7/8				324 / 12 3/4	339 / 13 11/32	549 / 21 5/8	564 / 22 3/16													162	9,9	2,94	6,5
11	CSRA-11A	25	1	109,1	15,9	2,46	119 / 4 11/16	139 / 5 1/2	144 / 5 11/16	164 / 6 7/16	60 / 2 11/32	45 / 1 49/64	39 / 1 17/32	1-8UNC	40 / 1 9/16	5/16-18UNC	70 / 2 3/4	20 / 25/32	2 1/4-14UNS	27 / 1 1/16	17 / 11/16	6 / 15/64	40	2,45	2,4	5,3
	CSRA-11B	50	2				144 / 5 11/16	164 / 6 7/16	194 / 7 5/8	214 / 8 7/16													80	4,9	2,9	6,4
	CSRA-11C	100	3 15/16				194 / 7 5/8	214 / 9 7/16	294 / 11 9/16	314 / 12 3/8													160	9,75	3,9	8,6
	CSRA-11D	150	5 15/16				244 / 9 5/8	264 / 10 3/8	394 / 15 1/2	414 / 16 5/16													240	14,65	4,9	10,8
	CSRA-11E	200	7 7/8				298 / 11 3/4	318 / 12 1/2	498 / 19 5/8	518 / 20 3/8													320	19,5	6	13,2
	CSRA-11F	250	9 7/8				348 / 13 3/4	368 / 14 1/2	598 / 23 1/2	618 / 24 5/16													400	24,4	7	15,4
16	CSRA-16A	25	1	163	23,75	3,68	124 / 4 7/8	144 / 5 11/16	149 / 5 7/8	169 / 6 11/16	70 / 2 3/4	55 / 2 11/64	46 / 1 13/16	1-8UNC	48 / 1 7/8	3/8-16UNC	70 / 2 3/4	20 / 25/32	2 3/4-16UN	30 / 1 3/16	17 / 11/16	10 / 25/64	60	3,65	3,45	7,6
	CSRA-16B	50	2				149 / 5 7/8	169 / 6 5/8	199 / 7 7/8	219 / 8 5/8													120	7,3	4,15	9,15
	CSRA-16C	100	3 15/16				200 / 7 7/8	220 / 8 11/16	300 / 11 13/16	320 / 12 5/8													240	14,65	5,55	12,2
	CSRA-16D	150	5 15/16				252 / 9 15/16	272 / 10 11/16	402 / 15 7/8	422 / 16 5/8													360	22	7	15,4
	CSRA-16E	200	7 7/8				309 / 12 6/32	329 / 13	509 / 20	529 / 20 7/8													480	29,3	8,6	19
	CSRA-16F	250	9 7/8				362 / 14 1/4	382 / 16	612 / 24 1/64	632 / 24 7/8													600	36,6	10,1	22,3
23	CSRA-23A	25	1	227,7	33,08	5,12	140 / 5 1/2	163 / 6 7/16	165 / 6 1/2	188 / 7 3/8	85 / 3 11/32	65 / 2 9/16	54 / 2 1/8	1 1/2-16UN	59 / 2 5/16	1/2-13UNC	70 / 2 3/4	20 / 25/32	3 5/16-12UNS	49 / 1 15/16	25 / 1	10 / 25/64	83	5,05	5,8	12,8
	CSRA-23B	50	2				165 / 6 1/2	188 / 7 3/8	215 / 8 1/2	238 / 9 3/8													166	10,1	6,8	15
	CSRA-23C	100	3 15/16				216 / 8 1/2	239 / 9 7/16	316 / 12 7/16	339 / 13 5/16													332	20,2	8,95	19,7
	CSRA-23D	150	5 15/16				267 / 10 1/2	290 / 11 7/16	417 / 16 3/8	440 / 17 5/16													498	30,4	11,1	24,5
	CSRA-23E	200	7 7/8				324 / 12 3/4	347 / 13 11/16	524 / 20 5/8	547 / 21 1/2													664	40,5	13	28,7
	CSRA-23F	250	9 7/8				375 / 14 3/4	398 / 15 11/16	625 / 14 5/8	648 / 25 1/2													830	50,6	15,5	34,2
31	CSRA-31B	50	2	303,1	44,18	6,84	194 / 7 5/8	219 / 8 5/8	244 / 9 5/8	269 / 10 5/8	100 / 3 15/16	75 / 2 61/64	57,15 / 2 1/4	1 1/2-16UN	----	----	70 / 2 3/4	37 / 1 7/16	3 5/16-12UNS	51 / 2	25 / 1	10 / 25/64	220	13,4	11	24,2
	CSRA-31D	150	5 15/16				294 / 11 9/16	319 / 12 9/16	444 / 17 1/2	469 / 18 7/16													660	40,3	16,7	36,8
	CSRA-31E	200	7 7/8				344 / 13 9/16	369 / 14 1/2	544 / 21 3/8	569 / 22 3/8													880	53,7	19,5	43
55	CSRA-55B	50	2	539	78,54	12,17	169 / 6 5/8	194 / 7 5/8	219 / 8 5/8	244 / 9 5/8	130 / 5 1/64	100 / 3 15/16	80 / 3 6/32	----	95 / 3 3/4	1/2-13UNC	70 / 2 3/4	20 / 25/32	5-12UN	45 / 1 25/32	----	2 / 6/64	392	23,9	15,9	36
	CSRA-55C	100	3 15/16				219 / 8 5/8	244 / 9 5/8	319 / 12 9/16	344 / 13 9/16													784	47,8	20,6	45,4
	CSRA-55D	150	5 15/16				269 / 10 5/8	294 / 11 9/16	419 / 16 1/2	444 / 17 1/2													1176	71,8	25,3	55,8
93	CSRA-93B	50	2	910,9	132,73	20,57	190 / 7 1/2	221 / 8 11/16	240 / 9 7/16	271 / 10 11/16	175 / 6 7/8	130 / 5 1/8	105 / 4 9/64	----	----	----	70 / 2 3/4	47 / 1 27/32	6 7/8-12UN	50 / 1 31/32	----	2 / 6/64	664	40,5	32,3	71,2
	CSRA-93D	150	3 15/16				290 / 11 7/16	321 / 12 5/8	440 / 17 5/16	471 / 18 9/16													1992	121,6	49,3	108,7