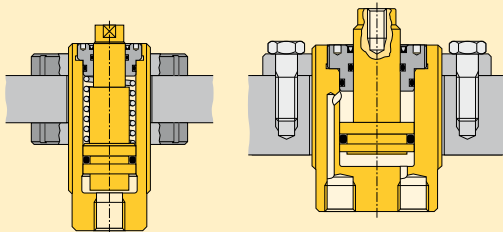


# Threaded cylinders *Application & selection*

Shown: CST-10382, CST-572, CST-18252, CDT-18132, CDT-40252



Threaded cylinders are designed for workpiece positioning, holding and ejecting applications where space is at a premium. Double-acting models are also suited to manufacturing applications, such as production punching.



## Accessory chart

Body thread D	Mounting flange Sold Separately 87 ▶	Flange nut Sold Separately 86 ▶	Plunger thread K	Contact bolt Sold Separately 86 ▶
M12 x 1,5	MF-122	FN-122	M4 x 0,7	BS-42
M20 x 1,5	MF-202	FN-202	M6 x 1	BS-62
M28 x 1,5	MF-282	FN-282	M8 x 1,25	BS-82
M30 x 1,5	–	FN-302	M10 x 1,5	BS-102
M35 x 1,5	MF-352	FN-352	M16 x 2	BS-162
M42 x 1,5	MF-422	FN-422	M20 x 2,5	BS-202
M48 x 1,5	MF-482	FN-482		
M55 x 1,5	MF-552	FN-552		
M65 x 1,5	MF-652	FN-652		
M80 x 2	MF-802	FN-802		

Threaded cylinder, mounted with horizontal bracket to position the workpiece against the stops. Enerpac swing cylinders are then activated to clamp the work piece before machining operations begin.



## High clamping forces in a compact body

- Minimum cylinder diameter combined with maximized clamping forces
- Threaded body allows fine positioning and easy installation
- Internal plunger wipers allow maintenance-free, high-cycle performance
- Center-tapped plungers will hold workpiece contact buttons
- Single-acting models with spring return simplify hydraulic tubing requirements
- Double-acting models are recommended for high-cycle applications.



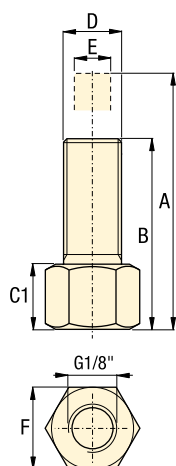
## Product selection

Cylinder capacity at 350 bar kN		Stroke mm	Model number	Effective area cm²		Oil capacity cm³	
push	pull			push	pull	push	pull
▼ Single acting							
1,7	–	7,3	CST-272	0,52	–	0,36	–
1,7	–	10,3	CST-2102	0,52	–	0,52	–
1,7	–	12,0	CST-2132	0,52	–	0,67	–
4,4	–	7,0	CST-572	1,29	–	0,82	–
4,4	–	13,0	CST-5132	1,29	–	1,64	–
4,4	–	18,8	CST-5192	1,29	–	2,46	–
4,4	–	25,0	CST-5252	1,29	–	3,11	–
4,4	–	37,4	CST-5382	1,29	–	4,75	–
11,3	–	8,6	CST-1072	3,32	–	2,32	–
11,3	–	13,0	CST-10132	3,32	–	4,31	–
11,3	–	19,0	CST-10192	3,32	–	6,30	–
11,3	–	26,8	CST-10252	3,32	–	8,29	–
11,3	–	38,0	CST-10382	3,32	–	12,60	–
17,2	–	13,0	CST-18132	5,10	–	6,63	–
17,2	–	25,0	CST-18252	5,10	–	12,74	–
17,2	–	38,0	CST-18382	5,10	–	19,37	–
17,2	–	50,0	CST-18502	5,10	–	25,48	–
26,9	–	15,0	CST-27152	7,88	–	11,82	–
26,9	–	25,0	CST-27252	7,88	–	19,70	–
26,9	–	50,0	CST-27502	7,88	–	39,40	–
39,2	–	14,6	CST-40132	11,36	–	14,76	–
39,2	–	26,6	CST-40252	11,36	–	28,39	–
39,2	–	39,6	CST-40382	11,36	–	43,15	–
39,2	–	51,6	CST-40502	11,36	–	56,78	–
▼ Double acting							
17,2	10,4	13,0	CDT-18132	5,10	3,03	6,63	3,94
17,2	10,4	25,0	CDT-18252	5,10	3,03	12,74	7,58
17,2	10,4	38,0	CDT-18382	5,10	3,03	19,37	11,52
17,2	10,4	50,0	CDT-18502	5,10	3,03	38,61	23,11
26,9	18,2	14,7	CDT-27152	7,87	5,29	11,81	7,94
26,9	18,2	24,7	CDT-27252	7,87	5,29	19,68	13,23
26,9	18,2	49,7	CDT-27502	7,87	5,29	39,35	26,45
39,2	26,1	13,0	CDT-40132	11,35	7,55	14,76	9,81
39,2	26,1	25,0	CDT-40252	11,35	7,55	28,39	18,87
39,2	26,1	38,0	CDT-40382	11,35	7,55	43,15	28,68
39,2	26,1	50,0	CDT-40502	11,35	7,55	56,77	37,74

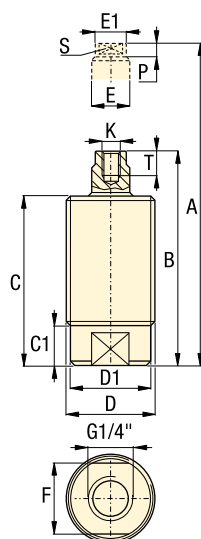
Note: - Seal material: Buna-N, Polyurethane.

- Minimum operating pressure for single-acting models (to overcome return spring force) is 40 bar.

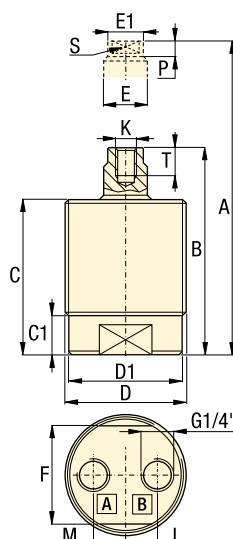
CST-2...., CST-5....



Other CST models



CDT models



Force: 1,7 - 39,2 kN

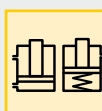
Stroke: 7,3 - 51,6 mm

Pressure: 40 - 350 bar

**E** Cilindros roscados

**F** Vérins corps filetés

**D** Einschraubzylinder



## Options

### Accessories

86 ▶



## Product dimensions in mm [ ]

Model number	A Ext. height	B Retr. height	C	C1	D	D1	E	E1	F	K	L	M	P	S	T	kg
▼ Single acting																
CST-272	49,3	42,0	42,0	13,5	M12 x 1,5	-	4,8	-	16,0	-	-	-	-	-	-	0,1
CST-2102	52,8	42,8	42,8	14,3	M12 x 1,5	-	4,8	-	16,0	-	-	-	-	-	-	0,1
CST-2132	63,2	51,2	50,2	14,2	M12 x 1,5	-	4,8	-	16,0	-	-	-	-	-	-	0,1
CST-572	58,1	51,1	47,0	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,1
CST-5132	72,6	59,6	55,5	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,1
CST-5192	83,1	64,3	60,0	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,2
CST-5252	98,3	73,3	70,2	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,3
CST-5382	131,1	93,7	89,0	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,4
CST-1072	67,0	58,4	52,0	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,2
CST-10132	64,4	64,4	58,0	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,3
CST-10192	98,9	79,9	73,5	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,3
CST-10252	115,8	89,0	84,3	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,4
CST-10382	142,9	104,9	98,5	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,4
CST-18132	82,9	69,9	63,5	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,5
CST-18252	114,9	89,9	83,5	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,5
CST-18382	146,4	108,4	102,0	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,6
CST-18502	174,4	124,4	118,0	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,7
CST-27152	87,9	72,9	66,5	13,5	M42 x 1,5	39,8	18,0	17,0	36,0	M8 x 1,25	-	-	6,5	15,0	12,0	0,6
CST-27252	118,4	93,4	87,0	13,5	M42 x 1,5	39,8	18,0	17,0	36,0	M8 x 1,25	-	-	6,5	15,0	12,0	0,9
CST-27502	195,9	145,9	139,5	13,5	M42 x 1,5	39,8	18,0	17,0	36,0	M8 x 1,25	-	-	6,5	15,0	12,0	1,3
CST-40132	89,4	74,8	68,5	11,0	M48 x 1,5	45,4	19,9	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,0
CST-40252	120,9	94,3	88,0	11,0	M48 x 1,5	45,4	19,9	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,1
CST-40382	164,9	125,3	119,0	11,0	M48 x 1,5	45,4	19,9	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,5
CST-40502	188,6	137,0	130,7	11,0	M48 x 1,5	45,4	20,0	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,7
▼ Double acting																
CDT-18132	81,0	68,0	61,5	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,0
CDT-18252	107,0	82,0	75,5	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,3
CDT-18382	131,5	93,5	87,0	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,5
CDT-18502	155,5	105,5	99,0	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,7
CDT-27152	85,7	71,0	64,5	17,0	M55 x 1,5	52,7	17,9	17,0	46,0	M8 x 1,25	16,0	10,0	6,5	15,8	12,0	1,1
CDT-27252	106,7	82,0	75,5	17,0	M55 x 1,5	52,7	17,9	17,0	46,0	M8 x 1,25	16,0	10,0	6,5	15,8	12,0	1,4
CDT-27502	156,7	107,0	100,5	17,0	M55 x 1,5	52,7	17,9	17,0	46,0	M8 x 1,25	16,0	10,0	6,5	15,8	12,0	1,8
CDT-40132	91,5	78,5	70,5	17,5	M65 x 1,5	60,5	21,9	21	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	1,8
CDT-40252	115,5	90,5	82,5	17,5	M65 x 1,5	60,5	21,9	21,0	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	2,0
CDT-40382	141,5	103,5	95,5	17,5	M65 x 1,5	60,5	21,9	21,0	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	2,5
CDT-40502	175,0	125,0	117,0	17,5	M65 x 1,5	60,5	21,9	21,0	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	3,0