Swing cylinders - Cartridge models

Shown: SCRD-122, SCRD-52

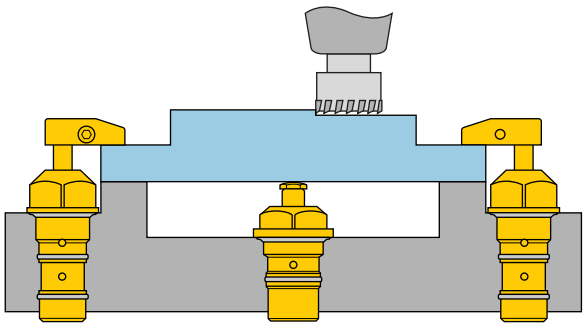
98-041

Eliminates the need for tubing and fittings

...cylinders can be designed into narrow fixture plates as thru-hole mounting is fully functional

- Minimal space required on fixture
- Can be completely recessed in fixture
- External plumbing not required
- Allows close positioning of adjoining units

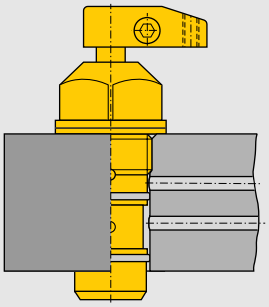
Enerpac compact design cartridge model swing cylinders used in conjunction with a cartridge model work support in a typical clamping application.



SC series

Enerpac cartridge swing cylinders are designed for integrated manifold mounting. This eliminates the need for fittings and tubing on the fixture.

Cartridge swing cylinders simplify mounting and optimize clamping effectiveness.



Hydraulic fixture with components on two faces for more efficient production.

30007_4

Product selection

Clamping force [1] kN	Stroke mm Clamp.	Stroke mm Total	Left turning	Right turning	Cylinder effective area cm² Clamp	Cylinder effective area cm² Un-clamp	Oil capacity cm³ Clamp	Oil capacity cm³ Un-clamp	Max. oil flow [1] l/min	Standard clamp arm Sold separately ⧉24
▼ **Single-acting**			**Model number** [2]							
2,1	8	16,5	**SCLS-22**	**SCRS-22**	0,77	-	1,31	-	0,2	**CAS-22**
4,9	10	22,6	**SCLS-52**	**SCRS-52**	1,81	-	4,09	-	0,4	**CAS-52**
10,7	13	28,4	**SCLS-122**	**SCRS-122**	4,06	-	11,47	-	1,6	**CAS-121**
▼ **Double-acting**			**Model number** [2]							
2,2	8	16,5	**SCLD-22**	**SCRD-22**	0,77	1,55	1,31	2,49	0,2	**CAS-22**
5,6	10	22,6	**SCLD-52**	**SCRD-52**	1,81	3,81	4,09	8,52	0,4	**CAS-52**
11,6	13	28,4	**SCLD-122**	**SCRD-122**	4,06	7,94	11,47	22,94	1,6	**CAS-121**

[1] With standard clamp arm. Clamp arms are sold separately (⧉ 10, 24). Clamping forces for single-acting models are reduced in order to overcome return spring force.

[2] For models with straight plunger movement, replace L or R with S.

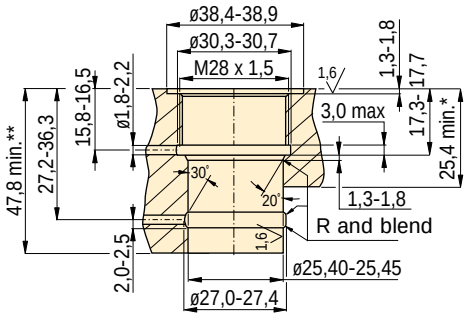
Dimensions in mm [⌖]

Left turning models	A	B	C	C1	D1 ø	D2 ø	E hexagon	F
▼ **Single-acting**								
SCLS-22	112,0	55	39,4	21	38,1	25,4	35,1	10
SCLS-52	134,9	76	57,1	32	57,2	34,8	50,8	16
SCLS-122	171,5	94	63,5	34	76,2	57,2	69,9	22
▼ **Double-acting**								
SCLD-22	112,0	55	39,4	21	38,1	25,4	35,1	10
SCLD-52	134,9	76	57,1	32	57,2	34,8	50,8	16
SCLD-122	171,5	94	63,5	34	76,2	57,2	69,9	22

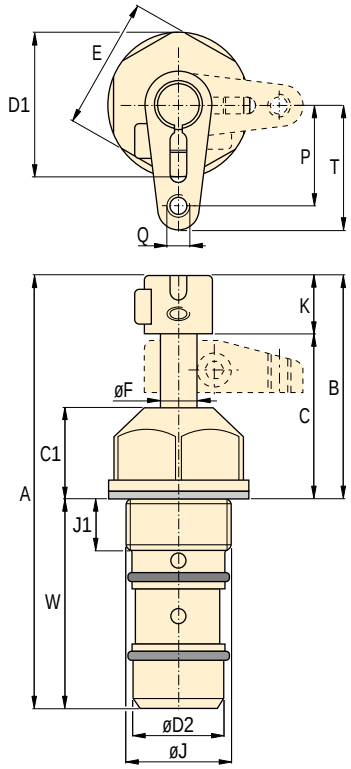
Note: Dimensions shown with standard clamp arm.

Installation dimensions
in mm

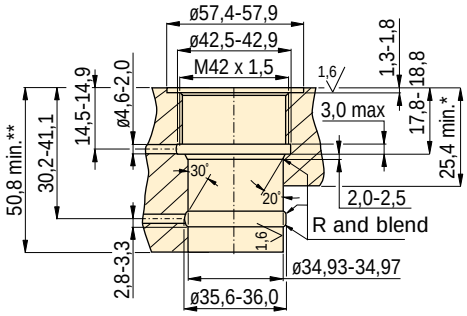
-22 models



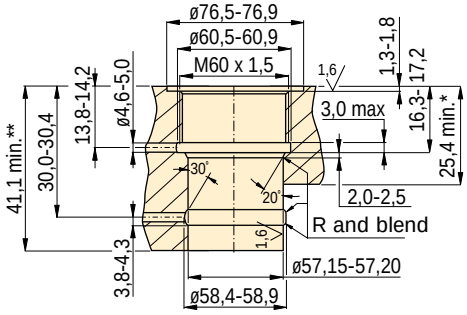
-22, 52, 122 models



-52 models



-122 models

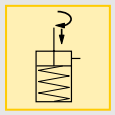


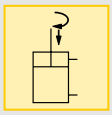
* Minimum plate height for single-acting models.
** Minimum plate height for double-acting models.

	J mm	J1	K	P	Q	T	W	kg	Right turning models
									Single-acting ▼
	M28 x 1,5	15,0	16	24	M6 x 1	31	56,6	0,5	SCRS-22
	M42 x 1,5	16,8	19	40	M8 x 1,25	48	58,7	0,9	SCRS-52
	M60 x 1,5	15,7	30	51	.375-16 UNC	62	74,6	2,5	SCRS-122
									Double-acting ▼
	M28 x 1,5	15,0	16	24	M6 x 1	31	56,6	0,5	SCRD-22
	M42 x 1,5	16,8	19	40	M8 x 1,25	48	58,7	0,9	SCRD-52
	M60 x 1,5	15,7	30	51	.375-16 UNC	62	74,6	2,5	SCRD-122

Force:	**2,1- 11,6 kN**
Stroke:	**16,5 - 28,4 mm**
Pressure:	**35 - 350 bar**

(E) Cilindros giratorios
(F) Vérins de bridage pivotants
(D) Schwenkspannzylinder





Options

Clamp arms ▯24 ▸

Work supports ▯28 ▸

Collet-Lok® swing cylinders ▯22 ▸

Accessories ▯72 ▸

Sequence valves ▯92 ▸

Important

In case there is a risk of machining coolants and debris being inhaled via the breather vent, it is recommended to pipe this port to an area outside the fixture that is protected from machining coolants and debris.

Do not exceed maximum flow rates.