

Swing clamps - Cartridge models

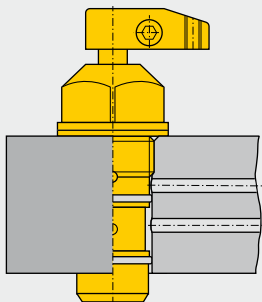
Shown: SCRD-122, SCRD-52



SC series

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

Cartridge swing clamps simplify mounting and optimize clamping effectiveness.



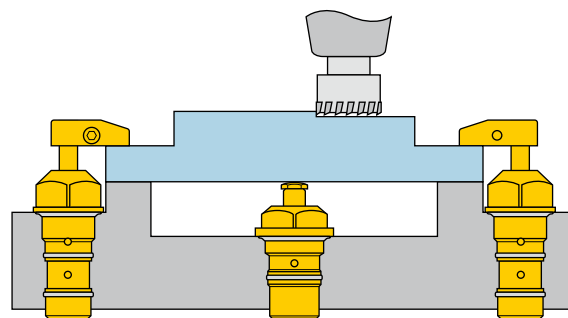
Hydraulic fixture with components on two faces for more efficient production.



Eliminates the need for tubing and fittings

- Minimal space required on fixture
- Can be completely recessed in fixture
- External plumbing not required
- Allows close positioning of adjoining units
- 30, 45 and 60 degree swing angles available on request

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



Product selection

Clamping force ¹⁾	Stroke		Left turning	Right turning	Cylinder effective area		Oil capacity		Max. oil flow ¹⁾	Standard clamp arm
	kN	mm			cm ²	cm ³	cm ³	cm ³		
		Clamp Total		90°	Clamp Un-clamp	Clamp Un-clamp	Clamp Un-clamp	Clamp Un-clamp	l/min	Sold separately □ 32 ▶
▼ Single acting			Model number ²⁾							
2,1	8,1	16,8	SCLS-22	SCRS-22	0,77	-	1,31	-	0,2	CAS-22
4,9	9,9	22,6	SCLS-52	SCRS-52	1,81	-	4,09	-	0,4	CAS-52
10,7	12,7	27,7	SCLS-122	SCRS-122	4,06	-	11,47	-	1,6	CAS-121
▼ Double acting			Model number ²⁾							
2,2	8,1	16,8	SCLD-22	SCRD-22	0,77	1,55	1,31	2,49	0,2	CAS-22
5,6	9,9	22,6	SCLD-52	SCRD-52	1,81	3,81	4,09	8,52	0,4	CAS-52
11,6	12,7	27,7	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 (□32). 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**.

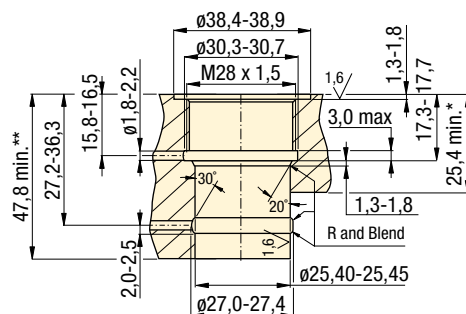
Dimensions in mm [□ 32]

Left turning models	A	B	C	C1	C2	D1	D2	E	F
						Ø	Ø	hexagon	
▼ Single acting									
SCLS-22	112,0	57,4	24,9	41,4	23,9	38,4	25,4	34,8	9,9
SCLS-52	135,4	79,8	37,8	60,7	35,3	56,6	34,8	50,5	16,0
SCLS-122	171,5	96,5	38,6	66,3	36,3	75,9	57,2	69,6	22,1
▼ Double acting									
SCLD-22	112,0	57,4	24,9	41,4	23,9	38,4	25,4	34,8	9,9
SCLD-52	135,4	79,8	37,8	60,7	35,3	56,6	34,8	50,5	16,0
SCLD-122	171,5	96,5	38,6	66,3	36,3	75,9	57,2	69,6	22,1

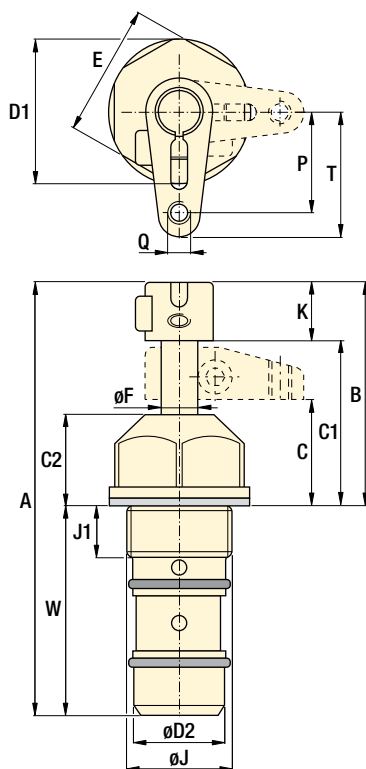
NOTE: dimensions shown with standard clamp arm.

Installation dimensions in mm

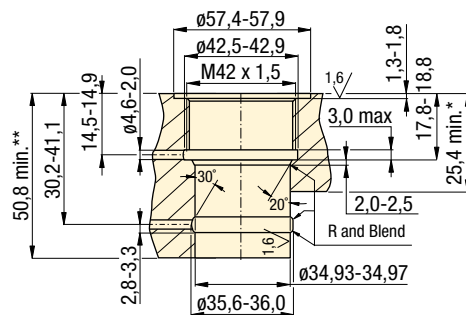
-22 models



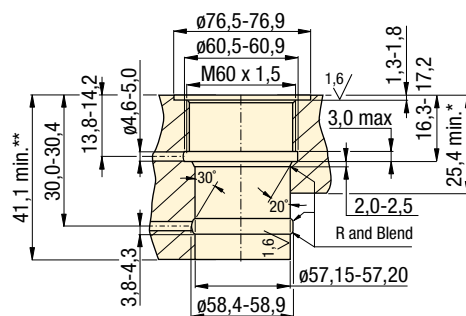
-22, 52, 122 models



-52 models



-122 models



* Minimum plate height for single-acting models.

** Minimum plate height for double-acting models.

Force: 2,1 - 11,6 kN

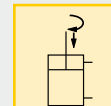
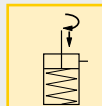
Stroke: 16,8 - 27,7 mm

Pressure: 35 - 350 bar

E Cilindros giratorios

F Vérins de bridage pivotants

D Schwenkspannzylinder



Options

Clamp arms

32 ▶



Work supports

43 ▶



Collet-Lok®
swing cylinders

12 ▶



Accessories

86 ▼



Sequence
valves

152 ▶



Important

30, 45, and 60 degree rotations are available upon request. Add -30, -45 or -60 to end of standard model number to order directly from Enerpac. To order rotation limiter separately, see page 32.

Custom cylinders including longer stroke lengths are available on request.

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.