

Swing clamps - Threaded body models

Shown: STRD-52, STRD-202

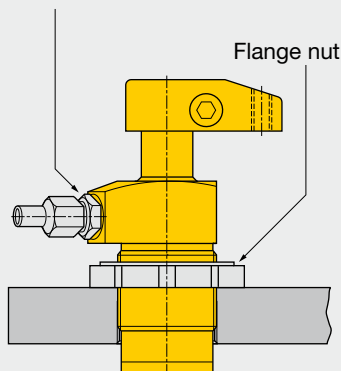


ST series

Enerpac threaded body swing clamps are threaded directly into the fixture.

The cylinder height is adjusted to the appropriate height, and then locked in place using a jam nut (J386).

BSPP oil connection



■ Threaded body swing clamps allow the clamp to be buried in the fixture to minimize the required area, while the height remains adjustable.



Cylinders can be threaded directly into fixture

...can be secured at any height

- Body thread for precise cylinder height positioning
- Threaded port connection
- Easy installation and removal
- Greatest flexibility in fixture design
- 30, 45 and 60 degree swing angles available on request



Product selection

Clamping force ¹⁾	Stroke		Left turning 90°	Right turning 90°	Cylinder effective area		Oil capacity		Max. oil flow ¹⁾	Standard clamp arm
	kN	Clamp			cm ²	cm ³	cm ³	cm ³		
					Un-clamp	Un-clamp	Un-clamp	Un-clamp		
					Clamp	Clamp	Clamp	Clamp	l/min	Sold separately J32 ►
▼ Single acting			Model number ²⁾							
2,1	8	16,5	STLS-22	STRS-22	0,77	–	1,31	–	0,2	CAS-22
4,9	10	22,6	STLS-52	STRS-52	1,81	–	4,10	–	0,4	CAS-52
8,0	12	23,0	STLS-92	STRS-92	3,16	–	6,88	–	1,0	CAS-92
10,7	13	27,7	STLS-121	STRS-121	4,06	–	11,47	–	1,6	CAS-121
17,4	14	29,5	STLS-202	STRS-202	7,10	–	19,99	–	2,3	CAS-202
33,1	16	32,6	STLS-352	STRS-352	12,39	–	37,20	–	3,9	CAS-352
▼ Double acting			Model number ²⁾							
2,2	8	16,5	STLD-22	STRD-22	0,77	1,55	1,31	2,46	0,2	CAS-22
5,6	10	22,6	STLD-52	STRD-52	1,81	3,81	4,10	8,52	0,4	CAS-52
9,0	12	23,0	STLD-92	STRD-92	3,16	8,06	6,88	17,70	1,0	CAS-92
11,6	13	27,7	STLD-121	STRD-121	4,06	7,94	11,47	22,94	1,6	CAS-121
18,7	14	29,5	STLD-202	STRD-202	7,10	15,16	19,99	42,61	2,3	CAS-202
33,8	16	32,6	STLD-352	STRD-352	12,39	23,74	37,20	71,28	3,9	CAS-352

¹⁾ With standard clamp arm. Clamp arms are sold separately (J32). 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.

Note: Call Enerpac to order models with SAE port connections.



Dimensions in mm []

Left turning models	A	B	C	C1	C2	D	D1	D2	F	G	H	J1
						Ø			Ø			
▼ Single acting												
STLS-22	112	59	26,4	43,0	24,9	M28 x 1,5	39,4	33	10	G1/8"	10	–
STLS-52	135	69	27,4	50,1	24,9	M35 x 1,5	47,5	38	16	G1/8"	10	–
STLS-92	143	80	33,5	56,4	30,2	M48 x 1,5	62,5	48	25	G1/4"	13	43
STLS-121	171	86	27,7	55,3	25,4	1.875-16 UNF	60,5	51	22	SAE#4	10	–
STLS-202	165	93	35,6	65,0	32,0	M65 x 1,5	75,9	65	32	G1/4"	13	55
STLS-352	186	105	35,1	67,5	32,0	M80 x 2	88,4	80	38	G1/4"	13	65
▼ Double acting												
STLD-22	112	59	26,4	43,0	24,9	M28 x 1,5	39,4	33	10	G1/8"	10	53
STLD-52	135	69	27,4	50,1	24,9	M35 x 1,5	47,5	38	16	G1/8"	10	66
STLD-92	143	80	33,5	56,4	30,2	M48 x 1,5	62,5	48	25	G1/4"	13	43
STLD-121	171	86	27,7	55,3	25,4	1.875-16 UNF	60,5	51	22	SAE#4	10	86
STLD-202	165	93	35,6	65,0	32,0	M65 x 1,5	75,9	65	32	G1/4"	13	55
STLD-352	186	105	35,1	67,5	32,0	M80 x 2	88,4	80	38	G1/4"	13	65

NOTE: dimensions shown with standard clamp arm.

Accessory Chart

Model Nos.	Left turning	Right turning	Mounting flange	Flange nut
				
		90°		
			Sold Separately 87 ▶	Sold Separately 86 ▶

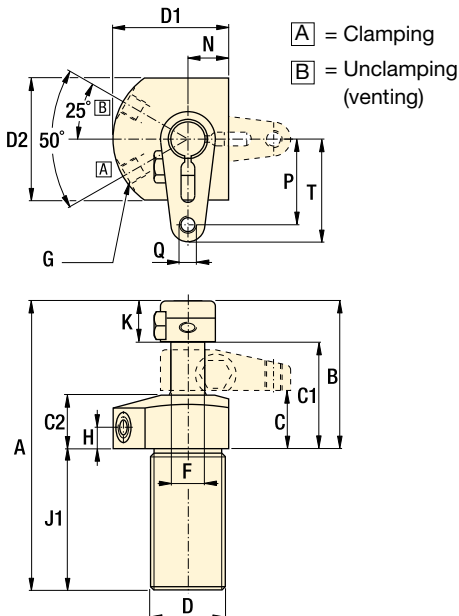
▼ Single acting

STLS-22	STRS-22	MF-282	FN-282
STLS-52	STRS-52	MF-352	FN-352
STLS-92	STRS-92	MF-482	FN-482
STLS-121	STRS-121	MF-481	FN-481
STLS-202	STRS-202	MF-652	FN-652
STLS-352	STRS-352	MF-802	FN-802

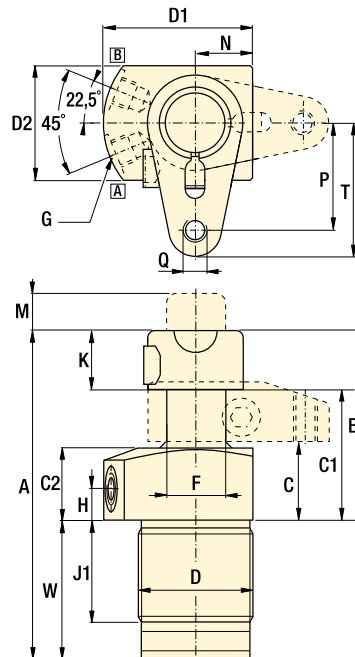
▼ Double acting

STLD-22	STRD-22	MF-282	FN-282
STLD-52	STRD-52	MF-352	FN-352
STLD-92	STRD-92	MF-482	FN-482
STLD-121	STRD-121	MF-481	FN-481
STLD-202	STRD-202	MF-652	FN-652
STLD-352	STRD-352	MF-802	FN-802

-22, 52, 121



-92, 202, 352



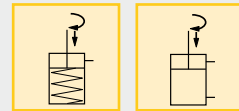
K	M	N	P	Q	T	W	Y	Z		Right turning models
Single acting ▼										
16	—	15,5	24	M6 x 1	31	—	25°	50°	0,5	STRS-22
19	—	19,1	40	M8 x 1,25	48	—	25°	50°	1,1	STRS-52
25	15,5	23,9	45	M10 x 1,5	56	63,0	22.5°	45°	2,0	STRS-92
30	—	25,4	51	0.375-16 UNC	62	—	25°	50°	1,6	STRS-121
30	23,6	32,5	55	M12 x 1,75	70	71,9	22.5°	45°	3,2	STRS-202
40	27,9	39,9	68	M16 x 2	83	81,5	22.5°	45°	5,5	STRS-352
Double acting ▼										
16	—	15,5	24	M6 x 1	31	—	25°	50°	0,5	STRD-22
19	—	19,1	40	M8 x 1,25	48	—	25°	50°	1,1	STRD-52
25	—	23,9	45	M10 x 1,5	56	63,0	22.5°	45°	2,0	STRD-92
30	—	25,4	51	0.375-16 UNC	62	—	25°	50°	1,6	STRD-121
30	—	32,5	55	M12 x 1,75	70	71,9	22.5°	45°	3,5	STRD-202
40	—	39,9	68	M16 x 2	83	81,5	22.5°	45°	5,5	STRD-352

Force: 2,1 - 33,8 kN

Stroke: 16,5 - 32,6 mm

Pressure: 35 - 350 bar

- E** Cilindros giratorios
- F** Vérins de bridage pivotants
- D** Schwenkspannzylinder



Options

Clamp arms

83 ▶



Work supports

84 ▶



Collet-Lok® swing cylinders

85 ▶



Accessories

86 ▶



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.