

Pivoting T-Arms for double-acting swing clamps

Shown: CAC-202, CAPT-202; CAC-352, CAPT-352

Collet-Lok® products

Swing clamps



▶ **Clamp arms are used to transmit the force generated by the swing cylinder to the workpiece. The T-arm clamps two workpieces simultaneously with one swing cylinder. Enerpac recommends using the pivoting T-arms with double-acting swing clamps of the SU, SL, ST and SC-series.**

■ *Two workpieces are clamped simultaneously with one double-acting swing cylinder by using the Enerpac pivoting T-arm.*



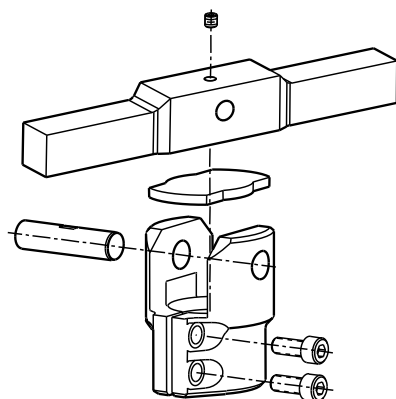
Clamping two workpieces with one cylinder

...quick and precise clamp arm positioning

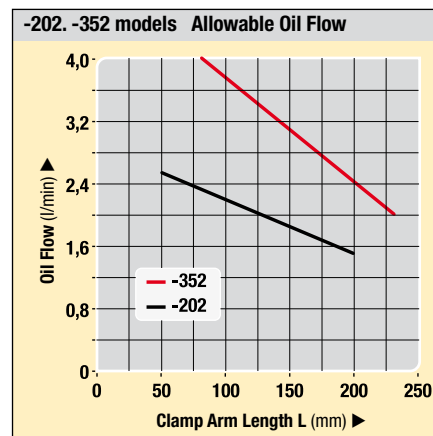
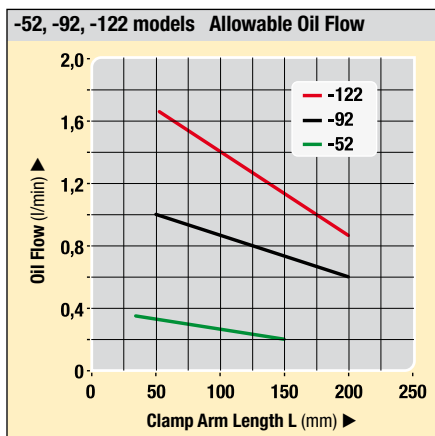
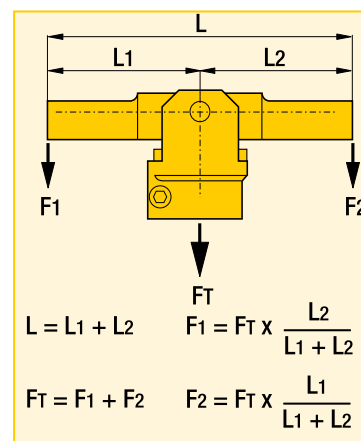
- Easy and precise location of the clamp arm in any position
- Arm can be easily installed and fastened while the cylinder is mounted in the fixture to allow exact arm positioning
- Vise not required for fastening arms or threaded into the fixture
- CAC-92, -202 and -352 are only to be used on double-acting cylinders.

i Allowable flow vs arm length

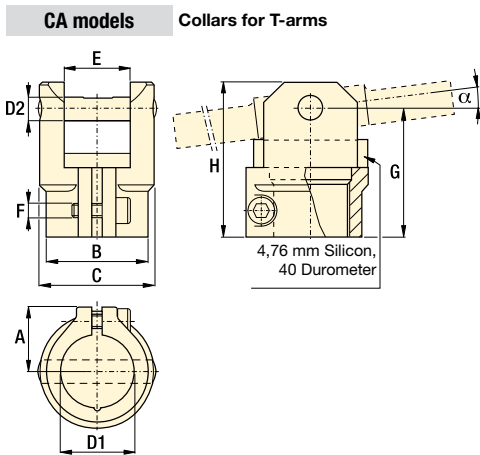
The distribution of the clamp arm force is based upon the length of the T-arm as measured from the pivoting point.



! Important



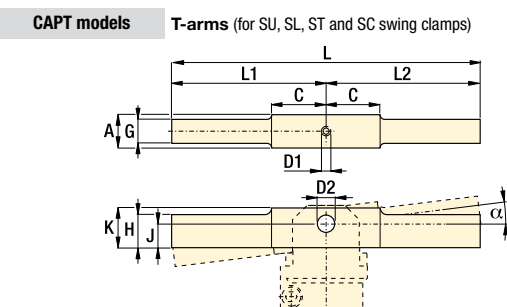
Shown: CAC-202



Collars - Dimensions in mm [± 0.05]

Clamp. force kN	Model number	Max. tilt angle α	A	B	C	D1	D2	E	F	G	H	kg
5,6	CAC-52	20°	16,5	24,2	28,0	16,0	6,0	6,0	M4 x 0,7	32,0	40,0	0,1
9,0	CAC-92	14°	22,0	34,6	39,0	25,0	8,0	8,0	M5 x 0,8	43,4	52,6	0,2
11,6	CAC-122	14°	22,0	34,6	39,0	22,3	8,0	8,0	M5 x 0,8	43,4	52,6	0,2
18,7	CAC-202	10°	27,2	46,6	54,5	32,0	10,0	10,7	M6 x 1	51,2	63,0	0,4
33,8	CAC-352	10°	34,0	54,6	63,0	38,0	14,0	14,0	M8 x 1,25	63,4	79,0	0,8

Shown: CAPT-202



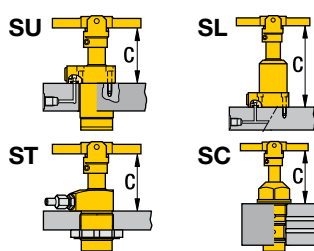
T-arms - Dimensions in mm [± 0.05]

Clamp. force kN	Model number	A	C	D1*	D2	G	H	J	K	L	L1	L2	kg
5,6	CAPT-52	15,5	25,4	M3 x 0,5	6,00-6,10	12,7	12,7	9,9	19,1	152,4	76,2	76,2	0,3
9,0	CAPT-92	22,1	38,1	M4 x 0,7	8,00-8,10	18,3	18,3	15	22,1	203,2	101,6	101,6	0,7
11,6	CAPT-122	22,1	38,1	M4 x 0,7	8,00-8,10	18,3	18,3	15	22,1	203,2	101,6	101,6	0,7
18,7	CAPT-202	28,4	31,8	M6 x 1	10,00-10,10	22,1	22,1	16,3	28,7	203,2	101,6	101,6	1,0
33,8	CAPT-352	34,8	25,1	M6 x 1	14,00-14,10	30,0	30,0	18,5	34,8	228,6	114,3	114,3	1,8

* Note: D1 equals set screw thread size. Set screw must be long enough to secure the pivot pin.

Installation dimensions in mm [± 0.05]

Clamping force kN	T-arm model	SU-series C	SU-L-series C	SL-series C	ST-series C	SC-series C
5,6	-52	73,7	-	139,7	73,7	81,0
9,0	-92	79,5	99,3	155,7	84,3	-
11,6	-122	90,2	108,7	176,0	90,2	98,3
18,7	-202	90,7	-	177,5	90,7	-
33,8	-352	102,6	119,1	199,1	100,8	-



Force: 5,6 - 33,8 kN

Pressure: 35 - 350 bar

- E** Brazos de amarre
- F** Bras de bridage
- D** Spannarme

Options

Gauges and accessories

 190 ▶

Flow control valves

 155 ▶

Download CAD files from enerpacwh.com

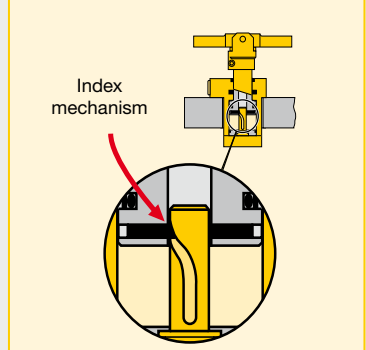
30, 45, and 60 degree rotations are available upon request.

Important

For high cycle applications use double-acting cylinders.

Do not exceed maximum oil flow.

If flow rates are exceeded, swing cylinder indexing mechanism may be permanently damaged.



When designing custom clamp arms, the flow rates must be further reduced. This rating should be in proportion to the mass and the center of gravity of the clamp arm.

Example:
 If the mass of the arm is twice that of the long arm, flow rates must be reduced by 50%.