



Shell clamps for industrial hose assembly (EN 14420-3 / DIN 2817)



SC clamps

Screw shell clamp for industrial hoses Clamp

material: Al (aluminium), SS (stainless steel)

Screws and nuts: stainless steel AISI316 - 1.4408
galvanised steel, for SS clamps
stainless steel AISI 304

Operating pressure: 25 bar (with appropriately
(with appropriately matched hose and nozzle)

An economical version of the shell clamps designed to attach typical (EN / DIN) industrial hoses to ends with a smooth or corrugated "tail" to the hose and with a safety collar (ends according to EN14420-2 / DIN2817). Widely used for rubber and some plastic hoses in the chemical industry, transshipment, food industry, they provide a secure yet removable end fitting. The clamp should be selected according to the inside diameter of the hose (DN) and the thickness of the hose wall, which is similar to the nominal thickness of the hose wall for the clamp (g), so that the outside diameter of the hose to be mounted is within the range specified for the clamp (from D min to D max). Assembling the clamp (IT-53) by properly tightening the bolts, may require the use of long auxiliary bolts.

drawing	index	material*	DN x g [mm]	Dmin+Dmax [mm]	dimensions [mm]		screws
					H	L	
	TI-SC-013-050-AL	Al*	13 x 5	22 ÷ 24	51	50	4 x M6x20
	TI-SC-019-060-AL	Al*	19 x 6	30 ÷ 33	63	50	4 x M6x20
	TI-SC-025-050-AL	Al	25 x 5	34 ÷ 37	n.a.	50	4 x M6x20
	TI-SC-025-060-AL	Al*	25 x 6	36 ÷ 39	69	50	4 x M6x20
	TI-SC-025-080-AL	Al	25 x 8	40 ÷ 43	76	50	4 x M6x20
	TI-SC-032-050-AL	Al	32 x 5	41 ÷ 44	n.a.	50	4 x M6x20
	TI-SC-032-060-AL	Al*	32 x 6	43 ÷ 46	76	50	4 x M6x20
	TI-SC-032-080-AL	Al	32 x 8	47 ÷ 50	76	50	4 x M6x20
	TI-SC-038-050-AL	Al	38 x 5	47 ÷ 51	n.a.	50	4 x M6x20
	TI-SC-038-065-AL	Al*	38 x 6,5	50 ÷ 53	83	50	4 x M6x20
	TI-SC-038-080-AL	Al	38 x 8	53 ÷ 56	85	50	4 x M6x20
	TI-SC-038-100-AL	Al	38 x 10	57 ÷ 60	85	50	4 x M6x20
	TI-SC-040-070-AL	Al	40 x 7	53 ÷ 56	85	50	4 x M6x20
	TI-SC-045-070-AL	Al	45 x 7	58 ÷ 61	98	57	4 x M8x25
	TI-SC-050-050-AL	Al	50 x 5	59 ÷ 62	n.a.	56	4 x M8x25
	TI-SC-050-060-AL	Al*	50 x 6	61 ÷ 65	98	56	4 x M8x25
	TI-SC-050-080-AL	Al*	50 x 8	63 ÷ 67	102	56	4 x M8x25
	TI-SC-050-100-AL	Al	50 x 10	69 ÷ 71	106	56	4 x M8x25
	TI-SC-063-060-AL	Al	63 x 6	74 ÷ 77	n.a.	74	4 x M8x25
	TI-SC-063-080-AL	Al*	63 x 8 65 x 7	78 ÷ 82	120	74	4 x M8x25
	TI-SC-065-100-AL	Al	65 x 10	84 ÷ 87	124	74	4 x M8x25
	TI-SC-075-080-AL	Al*	75 x 8	89 ÷ 94	132	76	4 x M8x25
	TI-SC-075-100-AL	Al	75 x 10	94 ÷ 97	136	76	4 x M8x25
	TI-SC-075-120-AL	Al	75 x 12	99 ÷ 102	148	77	4 x M8x25
	TI-SC-080-080-AL	Al	80 x 8	94 ÷ 97	137	76	4 x M8x25
	TI-SC-100-065-AL	Al	100 x 6,5	111 ÷ 115	n.a.	120	4 x M10x40
TI-SC-100-080-AL	Al*	100 x 8	114 ÷ 119	166	120	4 x M10x40	
TI-SC-100-100-AL	Al	100 x 10	118 ÷ 122	170	120	4 x M10x40	
TI-SC-100-120-AL	Al	100 x 12	122 ÷ 126	174	120	4 x M10x40	
TI-SC-100-140-AL	Al	100 x 14	126 ÷ 130	185	120	4 x M10x40	
TI-SC-100-160-AL	Al	100 x 16	130 ÷ 134	185	120	4 x M10x40	
TI-SC-125-100-AL	Al	125 x 10	143 ÷ 148	192	147	6 x M10x40	
TI-SC-150-100-AL	Al	150 x 10	167 ÷ 173	227	180	6 x M12x50	
TI-SC-150-130-AL	Al	150 x 13	174 ÷ 180	233	182	6 x M12x50	
TI-SC-200-120-AL	Al	200 x 12	222 ÷ 229	284	240	8 x M12x60	

* - available in stainless steel, index e.g. TI-SC-050-080-SS

