



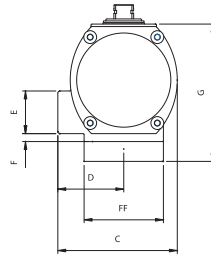
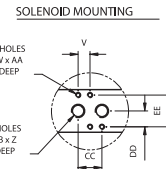
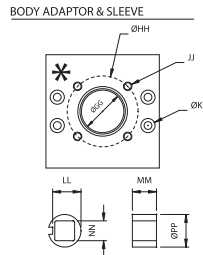
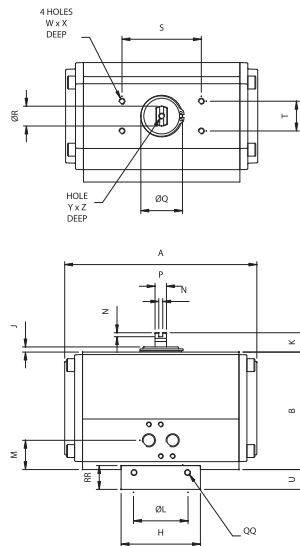
2015-01



English

TruTorq Pneumatic Actuator Type E, Metric Size 8, 12, 20, 35, 55, 70, 100 and 150

- Double acting (DA) and Spring Return (SR)
- Double End Stop Adjustment, open and closed position
- Body Adaptor Kit with Square (Double D or Key) insert



DIMENSIONS, METRIC (mm)

Actuator size	ISO 5211* A ₁	ISO 5211* A ₂	A	B	C	D	E	F	G	H	J	K	ØL	M	N	P	ØQ	ØR	S	T	U	V
TT 8	F05	F07	162.0	109.0	105.0	57.0	42.0	7.5	127.0	80.0	5.0	20.0	35.0	27.0	4.0	11.5	35.0	20.0	80.0	30.0	18.0	12.0
TT 8	F07	—	162.0	109.0	105.0	57.0	42.0	7.5	127.0	80.0	5.0	20.0	35.0	27.0	4.0	11.5	35.0	20.0	80.0	30.0	18.0	12.0
TT 12	F05/F07	—	194.0	118.5	121.0	67.0	43.0	8.0	138.5	80.0	5.5	20.0	35.0	29.5	4.0	11.5	46.0	20.0	80.0	30.0	20.0	12.0
TT 12	F07	—	194.0	118.5	121.0	67.0	43.0	8.0	138.5	80.0	5.5	20.0	35.0	29.5	4.0	11.5	46.0	20.0	80.0	30.0	20.0	12.0
TT 20	F07	—	218.0	140.5	136.5	72.0	43.0	8.0	164.5	90.0	6.5	20.0	55.0	29.5	4.0	19.0	50.0	32.0	80.0	30.0	24.0	12.0
TT 35	F07/F10	—	266.0	166.5	156.0	78.0	43.0	8.5	196.7	120.0	7.0	30.0	55.0	30.0	4.0	19.0	61.0	32.0	80.0	30.0	30.2	12.0
TT 35	F10	—	266.0	166.5	156.0	78.0	43.0	8.5	196.7	120.0	7.0	30.0	55.0	30.0	4.0	19.0	61.0	32.0	80.0	30.0	30.2	12.0
TT 55	F10/F12	—	312.0	207.5	191.0	95.5	43.0	20.5	242.5	140.0	7.5	30.0	85.0	42.0	4.0	25.4	61.0	40.0	130.0	30.0	35.0	12.0
TT 55	F12/F10	—	312.0	207.5	191.0	95.5	43.0	20.5	242.5	140.0	7.5	30.0	85.0	42.0	4.0	25.4	61.0	40.0	130.0	30.0	35.0	12.0
TT 70	F10/F12	—	340.0	211.0	191.0	95.5	43.0	20.5	247.0	140.0	7.0	30.0	85.0	42.0	4.0	25.4	72.0	40.0	130.0	30.0	36.0	12.0
TT 70	F12/F10	—	340.0	211.0	191.0	95.5	43.0	20.5	247.0	140.0	7.0	30.0	85.0	42.0	4.0	25.4	72.0	40.0	130.0	30.0	36.0	12.0
TT 100	F14	—	361.0	253.3	227.0	113.5	43.0	39.5	303.0	160.0	7.0	30.0	100.1	61.0	4.0	25.4	78.0	40.0	130.0	30.0	49.8	12.0
TT 150	F14	—	390.0	302.0	280.0	140.0	43.0	56.5	351.0	160.0	7.0	30.0	100.1	78.0	4.0	25.4	78.0	40.0	130.0	30.0	49.0	12.0

Actuator size	ISO 5211* A ₁	ISO 5211* A ₂	W	X	Y	Z	AA	BB	CC	DD	EE	FF	ØGG	ØHH	JJ	ØKK	LL	MM	NN	ØPP	QQ	RR
TT 8	F05	F07	M5	5.0	M6	12.0	8.0	G1/8"	24.0	16.0	32.0	79.0	30.0	50.0	M6	5.5	20.0	17.0	14.0	23.0	M5	22.0
TT 8	F07	—	M5	5.0	M6	12.0	8.0	G1/8"	24.0	16.0	32.0	79.0	47.0	70.0	M8	5.5	29.5	17.0	17.0	33.0	M6	24.0
TT 12	F05/F07	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	79.0	30.0	50.0	M6	5.5	20.0	17.0	14.0	23.0	M5	22.0
TT 12	F07	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	79.0	47.0	70.0	M8	5.5	29.5	17.0	17.0	33.0	M6	24.0
TT 20	F07	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	89.9	46.0	70.0	M8	6.6	29.5	20.0	17.0	33.0	M8	28.0
TT 35	F07/F10	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	119.9	46.0	70.0	M8	9.0	29.5	20.0	17.0	33.0	M8	34.0
TT 35	F10	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	119.9	61.0	102.0	M10	9.0	39.0	25.0	22.0	44.0	M10	34.0
TT 55	F10/F12	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	139.9	61.0	102.0	M10	11.0	50.0	25.0	22.0	55.0	M10	40.0
TT 55	F12/F10	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	139.9	75.0	125.0	M12	11.0	50.0	25.0	27.0	55.0	M10	40.0
TT 70	F10/F12	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	139.9	61.0	102.0	M10	11.0	50.0	25.0	22.0	55.0	M10	40.0
TT 70	F12/F10	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	139.9	75.0	125.0	M12	11.0	50.0	25.0	27.0	55.0	M10	40.0
TT 100	F14	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	159.9	88.0	140.0	M16	14.0	62.5	35.0	36.0	68.0	M14	57.0
TT 150	F14	—	M5	5.0	M6	12.0	8.0	G1/4"	24.0	16.0	32.0	159.9	88.0	140.0	M16	14.0	62.5	35.0	36.0	68.0	M14	57.0



TruTorq Pneumatic Actuator Type E, Metric Size 8, 12, 20, 35, 55, 70, 100 and 150

TORQUE

Actuator Size	Air Supply	DA Torque	SR Torque (Nm)				
	BAR	Nm	Air - Start	Air - End	Spring - Start	Spring - End	Spring Qty
TT 8	6	90	58	32	57	31	4+4
TT 12	6	122	79	44	78	43	4+4
TT 20	6	202	130	71	130	71	4+4
TT 35	6	374	241	133	241	132	4+4
TT 55	6	597	385	212	384	211	4+4
TT 70	6	824	533	294	531	292	4+4
TT 100	6	1122	725	399	723	398	4+4
TT 150	6	1655	1069	589	1066	586	4+4

OPERATING DETAILS

Actuator Size	Operating time (sec) *				Air consumption (litre)		Overall weight (kg)	
	DA Open	DA Close	SR Open	SR Close	Open	Close	DA	SR
TT 8	< 1	< 1	< 1	< 1	0,34	0,41	3,4	3,8
TT 12	1,5	1,5	1,5	1,0	0,49	0,64	5,0	5,5
TT 20	2,0	2,0	2,0	1,5	0,90	1,00	7,2	8,1
TT 35	2,5	2,5	2,5	2,0	1,69	1,90	12,9	14,6
TT 55	3,5	3,5	3,5	3,0	2,80	3,40	19,1	22,2
TT 70	4,0	4,0	4,0	3,0	3,05	3,70	24,4	28,0
TT 100	4,5	4,5	5,5	3,0	5,52	5,90	31,2	35,8
TT 150	5,0	5,0	7,0	4,0	7,60	9,60	44,5	53,0

* Note! May be affected by air pipe diameter and type of solenoid valve