

Series SPRA

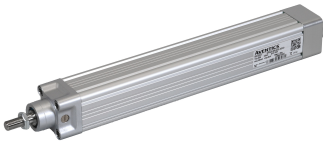
Series SPRA

The AVENTICS Series SPRA electric rod-style actuators are the ideal solution to perform fast and powerful linear movements. They are very flexible, precise and energy efficient, improving sustainability and Total Cost of Ownership (TCO). The modular concept of the Series SPRA enables easy connection to your preferred motor and control system, saving you time and costs on design and programming. The Series SPRA is ISO 15552 compliant and uses high-grade materials such as a IP54S sealing system, ensuring a high level of reliability even in harsh conditions.

- Multi-positioning with high level of precision and repeatability
- Available in size 32, 40, 63 and 100
- High product versatility with three different screw technologies to cover a wide range of application requirements
- Flexibility in mounting cylinders - Compliant with ISO 15552 standard and wide range of accessories available
- Easily size and customize your electrical actuator solution with inter-connected online tools and configurator

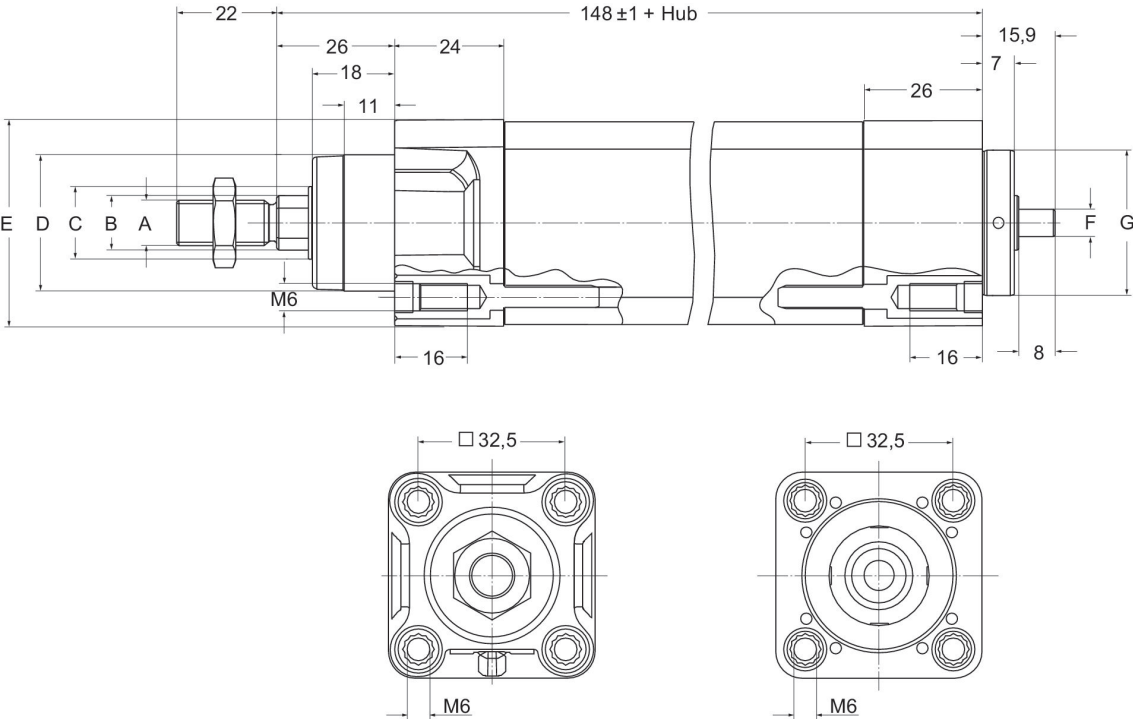
Series SPRA Electric Rod-Style Actuators

ISO 15552
Lead screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Screw type	Screw lead [mm]	Part No.
32	50	M10x1,25	Lead screw	1.5	R481633796
32	100	M10x1,25	Lead screw	1.5	R481633797
32	150	M10x1,25	Lead screw	1.5	R481633798
32	200	M10x1,25	Lead screw	1.5	R481633799
32	300	M10x1,25	Lead screw	1.5	R481633800
32	400	M10x1,25	Lead screw	1.5	R481633801

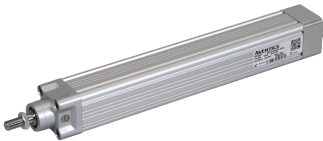
Dimensions in mm



	A	B mm	C	D	E	F	G -0,05 / -0,07
SPRA-32	M10 x 1,25	Ø12	Ø16	Ø30 d11	#45.7	Ø6 h6	Ø32

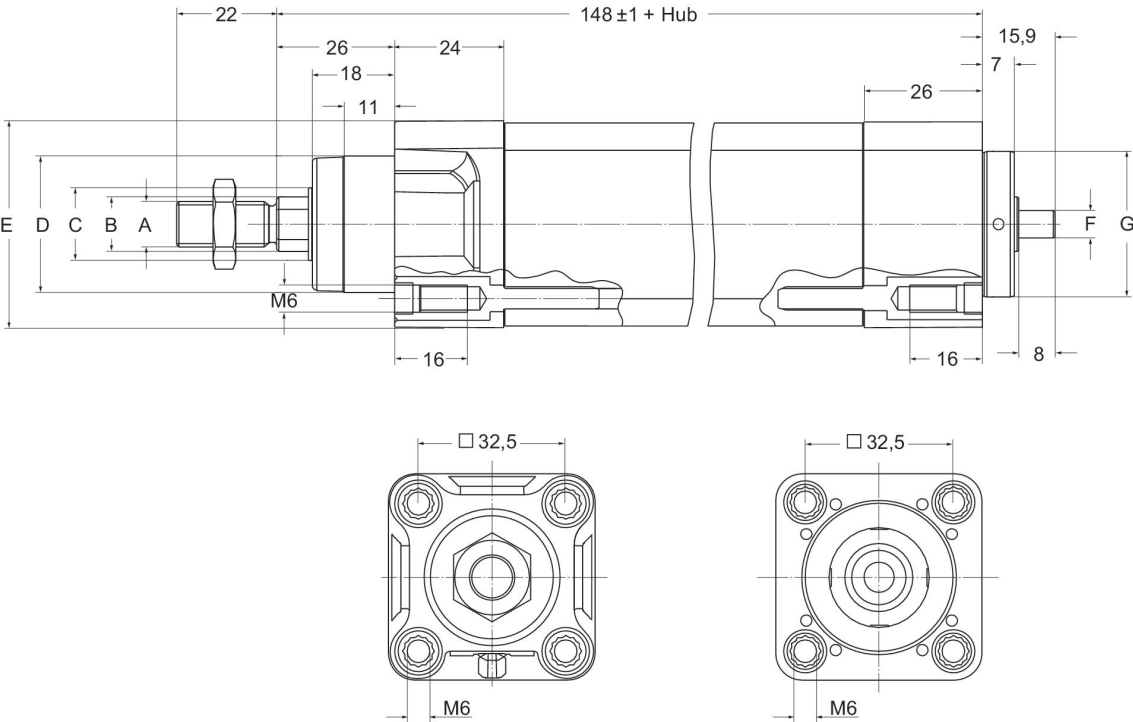
Series SPRA Electric Rod-Style Actuators

ISO 15552
Ball screw



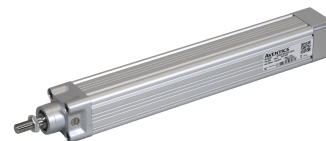
Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
32	50	M10x1,25	2.8	Ball screw	3	R481633802
32	100	M10x1,25	2.8	Ball screw	3	R481633803
32	150	M10x1,25	2.8	Ball screw	3	R481633804
32	200	M10x1,25	2.8	Ball screw	3	R481633805
32	300	M10x1,25	2.8	Ball screw	3	R481633806
32	400	M10x1,25	2.8	Ball screw	3	R481633807

Dimensions in mm



	A	B mm	C	D	E	F	G -0,05 / -0,07
SPRA-32	M10 x 1,25	Ø12	Ø16	Ø30 d11	#45.7	Ø6 h6	Ø32

ISO 15552
Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
32	50	M10x1,25	2.5	Ball screw	10	R481633808
32	100	M10x1,25	2.5	Ball screw	10	R481633809
32	150	M10x1,25	2.5	Ball screw	10	R481633810
32	200	M10x1,25	2.5	Ball screw	10	R481633811
32	300	M10x1,25	2.5	Ball screw	10	R481633812
32	400	M10x1,25	2.5	Ball screw	10	R481633813

Technical drawing of a 1/2" NPT x 1" NPT Tee with a 1" NPT Outlet. The drawing includes a side view with dimensions and two end views. Key dimensions include a total length of 148 ± 1 + Hub, a 22mm distance to the first fitting, and a 26mm distance to the second fitting. The side view also shows dimensions for the outlet (15.9mm, 7mm, 26mm) and the base (16mm, 8mm). The end views show a square face with a 32.5mm width and an M6 mounting hole. The drawing is labeled with dimensions A, B, C, D, E, F, G, and H.

	A	B mm	C	D	E	F	G -0,05 / -0,07
SPRA-32	M10 x 1,25	Ø12	Ø16	Ø30 d11	#45.7	Ø6 h6	Ø32

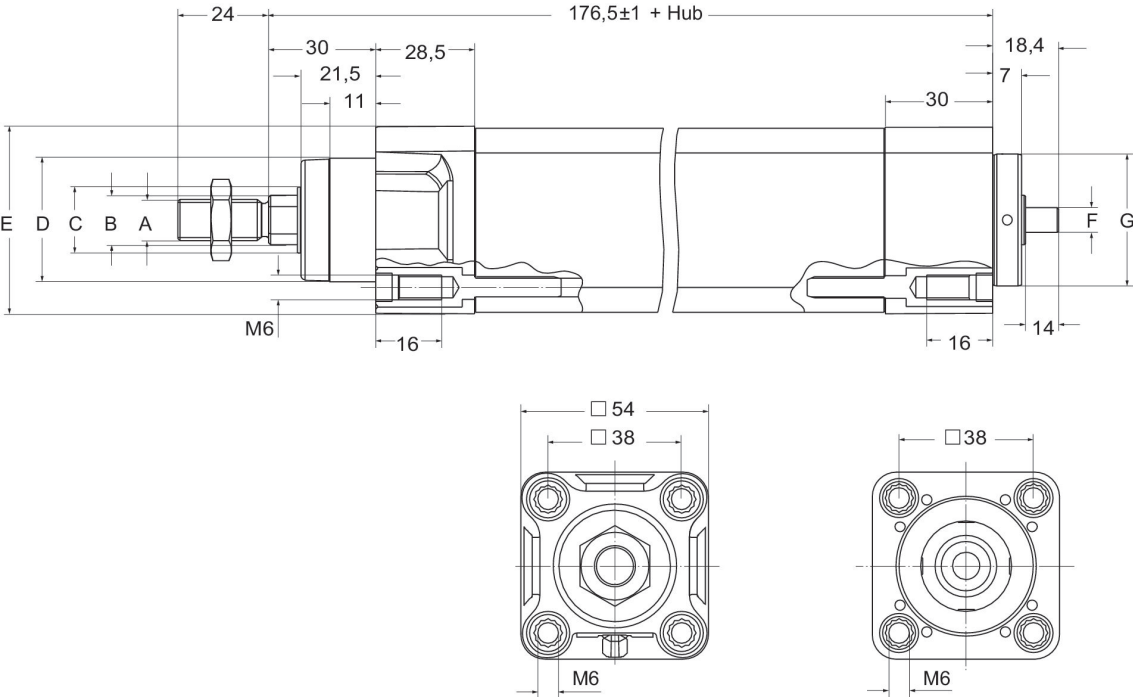
Series SPRA Electric Rod-Style Actuators

ISO 15552
Lead screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Screw type	Screw lead [mm]	Part No.
40	100	M12x1,25	Lead screw	2.5	R481633814
40	200	M12x1,25	Lead screw	2.5	R481633815
40	300	M12x1,25	Lead screw	2.5	R481633816
40	400	M12x1,25	Lead screw	2.5	R481633817
40	500	M12x1,25	Lead screw	2.5	R481633818
40	600	M12x1,25	Lead screw	2.5	R481633819

Dimensions in mm



	A	B mm	C	D	E	F	G -0,09 / -0,1
SPRA-40	M12 x 1,25	Ø16	Ø20	Ø35 d11	54.3	Ø8 h6	Ø40

ISO 15552
Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
40	100	M12x1,25	4.8	Ball screw	5	R481633820
40	200	M12x1,25	4.8	Ball screw	5	R481633821
40	300	M12x1,25	4.8	Ball screw	5	R481633822
40	400	M12x1,25	4.8	Ball screw	5	R481633823
40	500	M12x1,25	4.8	Ball screw	5	R481633824
40	600	M12x1,25	4.8	Ball screw	5	R481633825

[illegible]

	A	B mm	C	D	E	F	G -0,09 / -0,1
SPRA-40	M12 x 1,25	Ø16	Ø20	Ø35 d11	54.3	Ø8 h6	Ø40

ISO 15552
Ball screw

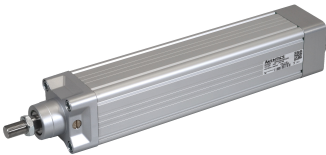


Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
40	100	M12x1,25	6	Ball screw	12.7	R481633826
40	200	M12x1,25	6	Ball screw	12.7	R481633827
40	300	M12x1,25	6	Ball screw	12.7	R481633828
40	400	M12x1,25	6	Ball screw	12.7	R481633829
40	500	M12x1,25	6	Ball screw	12.7	R481633830
40	600	M12x1,25	6	Ball screw	12.7	R481633831

	A	B mm	C	D	E	F	G -0,09 / -0,1
SPRA-40	M12 x 1,25	Ø16	Ø20	Ø35 d11	54.3	Ø8 h6	Ø40

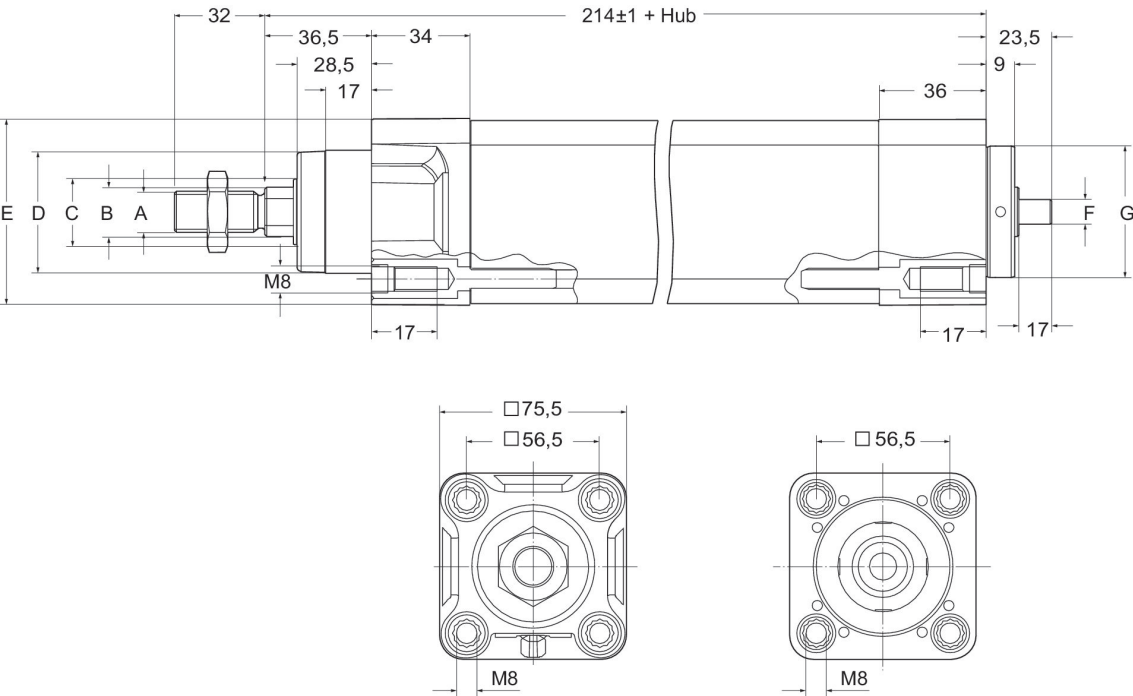
Series SPRA Electric Rod-Style Actuators

ISO 15552
Lead screw



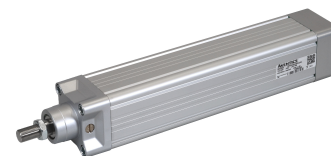
Piston Ø [mm]	Stroke [mm]	Piston rod thread	Screw type	Screw lead [mm]	Part No.
63	100	M16x1,5	Lead screw	4	R481633832
63	200	M16x1,5	Lead screw	4	R481633833
63	300	M16x1,5	Lead screw	4	R481633834
63	400	M16x1,5	Lead screw	4	R481633835
63	500	M16x1,5	Lead screw	4	R481633836
63	600	M16x1,5	Lead screw	4	R481633837
63	700	M16x1,5	Lead screw	4	R481633838
63	800	M16x1,5	Lead screw	4	R481633839

Dimensions in mm



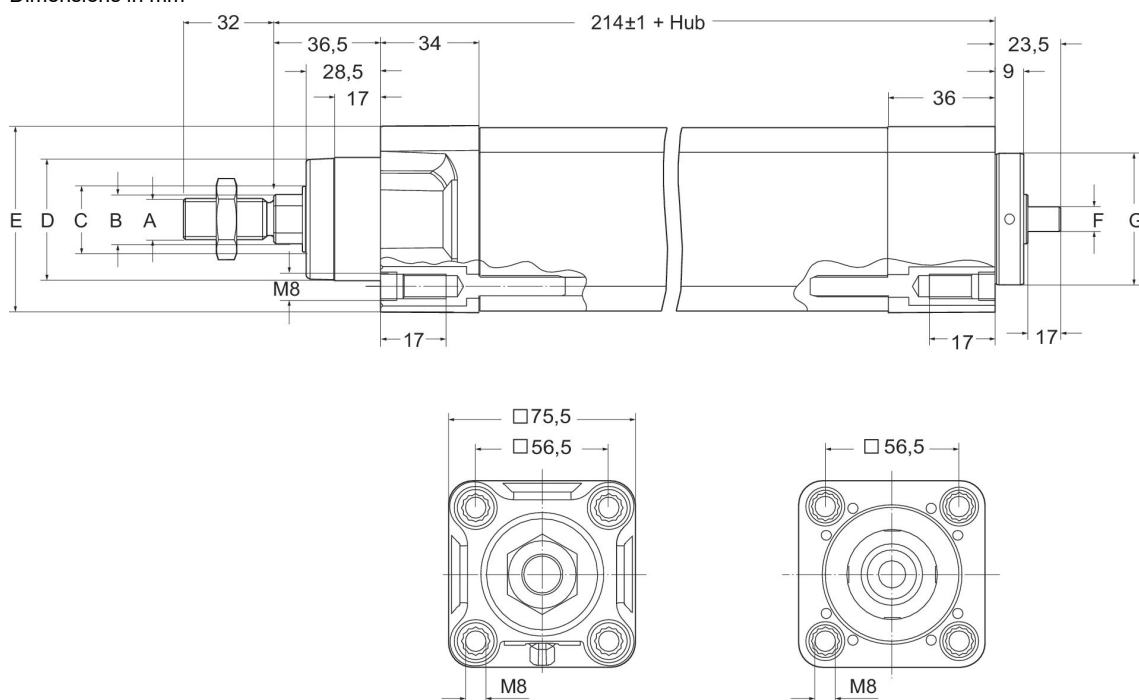
	A	B mm	C	D	E	F	G -0,05 / -0,08
SPRA-63	M16 x 1,5	Ø20	Ø28	Ø45 d11	75	Ø12 h6	Ø60

ISO 15552
Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
63	100	M16x1,5	13.7	Ball screw	5	R481633840
63	200	M16x1,5	13.7	Ball screw	5	R481633841
63	300	M16x1,5	13.7	Ball screw	5	R481633842
63	400	M16x1,5	13.7	Ball screw	5	R481633843
63	500	M16x1,5	13.7	Ball screw	5	R481633844
63	600	M16x1,5	13.7	Ball screw	5	R481633845
63	700	M16x1,5	13.7	Ball screw	5	R481633846
63	800	M16x1,5	13.7	Ball screw	5	R481633847

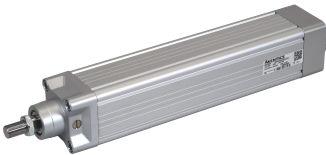
Dimensions in mm



	A	B mm	C	D	E	F	G -0,05 / -0,08
SPRA-63	M16 x 1,5	Ø20	Ø28	Ø45 d11	75	Ø12 h6	Ø60

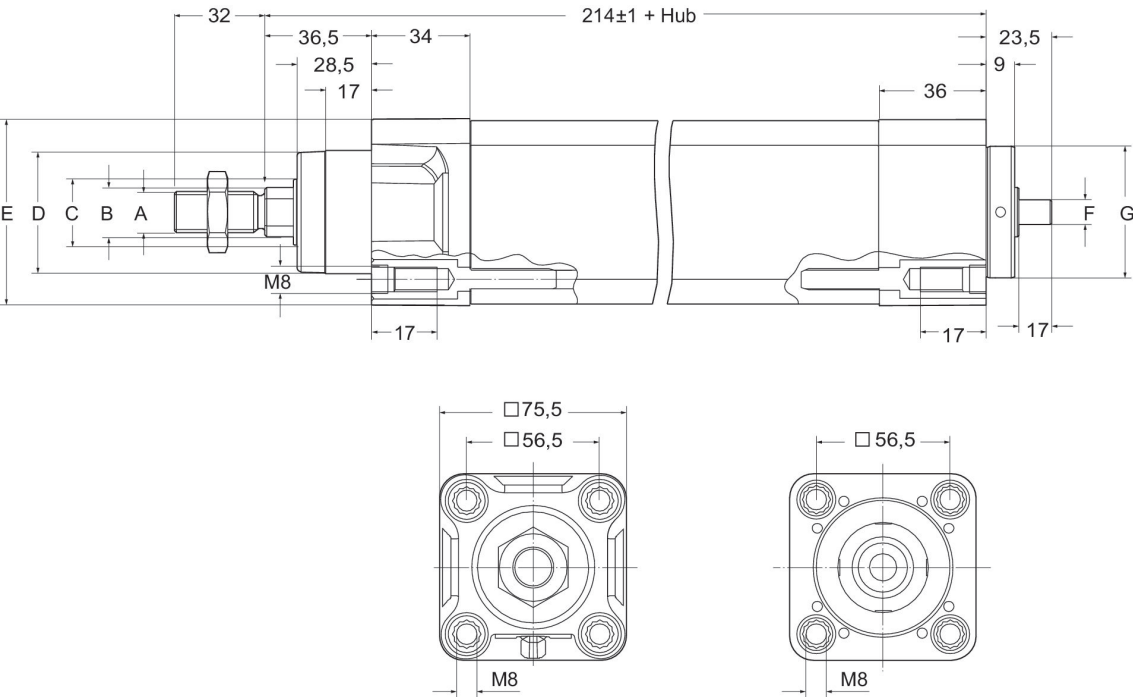
Series SPRA Electric Rod-Style Actuators

ISO 15552
Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
63	100	M16x1,5	21	Ball screw	10	R481633848
63	200	M16x1,5	21	Ball screw	10	R481633849
63	300	M16x1,5	21	Ball screw	10	R481633850
63	400	M16x1,5	21	Ball screw	10	R481633851
63	500	M16x1,5	21	Ball screw	10	R481633852
63	600	M16x1,5	21	Ball screw	10	R481633853
63	700	M16x1,5	21	Ball screw	10	R481633854
63	800	M16x1,5	21	Ball screw	10	R481633855

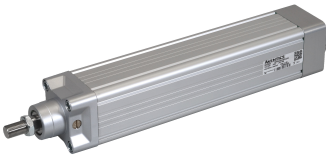
Dimensions in mm



	A	B mm	C	D	E	F	G -0,05 / -0,08
SPRA-63	M16 x 1,5	Ø20	Ø28	Ø45 d11	75	Ø12 h6	Ø60

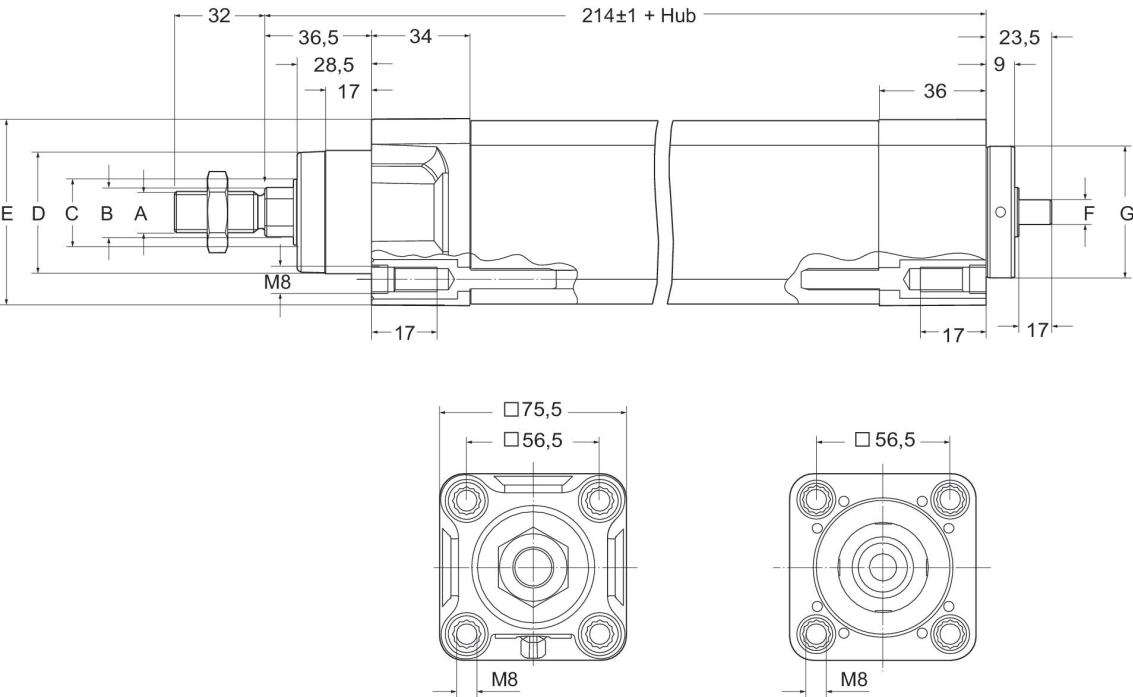
Series SPRA Electric Rod-Style Actuators

ISO 15552
Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
63	100	M16x1,5	10	Ball screw	20	R481633856
63	200	M16x1,5	10	Ball screw	20	R481633857
63	300	M16x1,5	10	Ball screw	20	R481633858
63	400	M16x1,5	10	Ball screw	20	R481633859
63	500	M16x1,5	10	Ball screw	20	R481633860
63	600	M16x1,5	10	Ball screw	20	R481633861
63	700	M16x1,5	10	Ball screw	20	R481633862
63	800	M16x1,5	10	Ball screw	20	R481633863

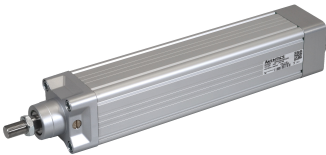
Dimensions in mm



	A	B mm	C	D	E	F	G -0,05 / -0,08
SPRA-63	M16 x 1,5	Ø20	Ø28	Ø45 d11	75	Ø12 h6	Ø60

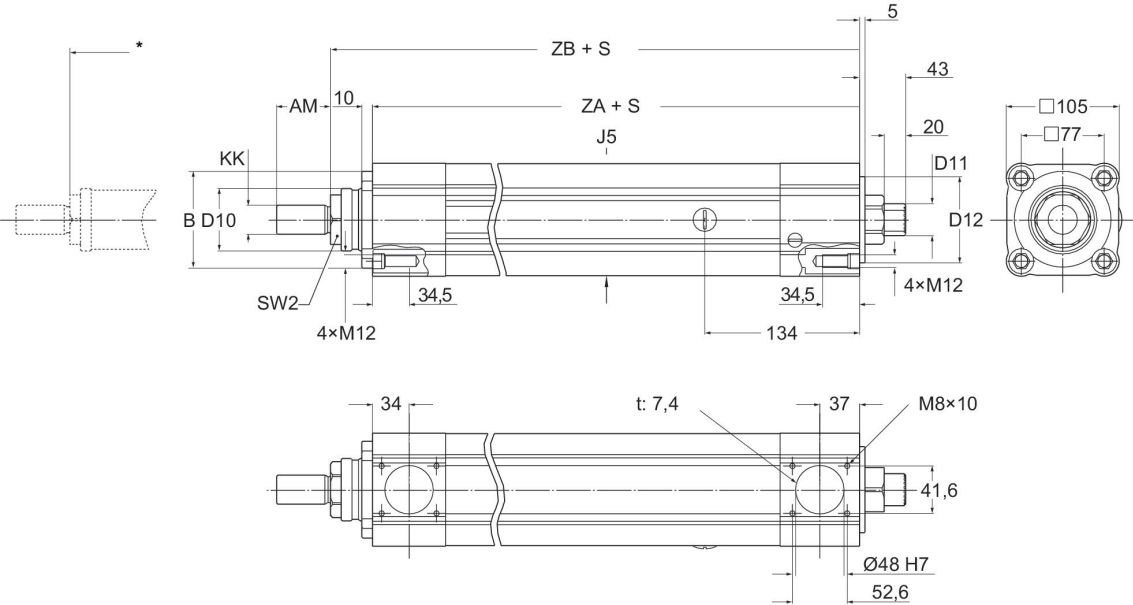
Series SPRA Electric Rod-Style Actuators

Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
100	100	M27x2	27.1	Ball screw	10	R481633864
100	200	M27x2	27.1	Ball screw	10	R481633865
100	300	M27x2	27.1	Ball screw	10	R481633866
100	400	M27x2	27.1	Ball screw	10	R481633867
100	500	M27x2	27.1	Ball screw	10	R481633868
100	600	M27x2	27.1	Ball screw	10	R481633869
100	700	M27x2	27.1	Ball screw	10	R481633870
100	800	M27x2	27.1	Ball screw	10	R481633871
100	900	M27x2	27.1	Ball screw	10	R481633872
100	1000	M27x2	27.1	Ball screw	10	R481633873

Dimensions in mm

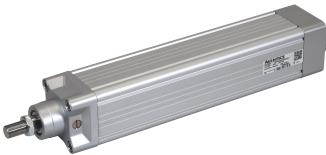


S = stroke
* Nominal stroke
t = depth

KK	SW2	J5 mm	ZA	ZB	B -0,1 / -0,35	D10	AM	D12 -0,02 / -0,07	D11
M27 x 2	AF 46	#104	287±1.5	326±2	Ø90	Ø58	50	Ø80	DIN5480 W 30x1.25x22x8f

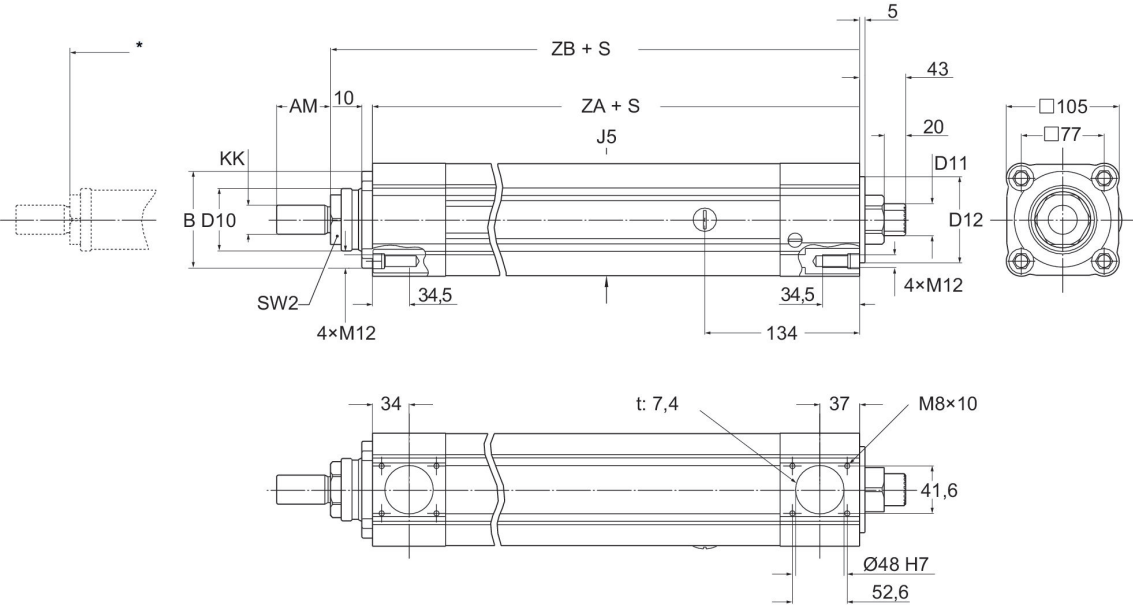
Series SPRA Electric Rod-Style Actuators

Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
100	100	M27x2	61.5	Ball screw	10	R481633874
100	200	M27x2	61.5	Ball screw	10	R481633875
100	300	M27x2	61.5	Ball screw	10	R481633876
100	400	M27x2	61.5	Ball screw	10	R481633877
100	500	M27x2	61.5	Ball screw	10	R481633878
100	600	M27x2	61.5	Ball screw	10	R481633879
100	700	M27x2	61.5	Ball screw	10	R481633880
100	800	M27x2	61.5	Ball screw	10	R481633881
100	900	M27x2	61.5	Ball screw	10	R481633882
100	1000	M27x2	61.5	Ball screw	10	R481633883

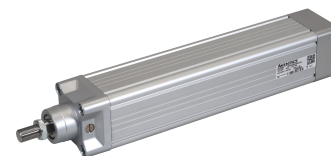
Dimensions in mm



S = stroke
* Nominal stroke
t = depth

KK	SW2	J5 mm	ZA	ZB	B -0,1 / -0,35	D10	AM	D12 -0,02 / -0,07	D11
M27 x 2	AF 46	#104	287±1.5	326±2	Ø90	Ø58	50	Ø80	DIN5480 W 30x1.25x22x8f

Ball screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
100	100	M27x2	41.3	Ball screw	20	R481633884
100	200	M27x2	41.3	Ball screw	20	R481633885
100	300	M27x2	41.3	Ball screw	20	R481633886
100	400	M27x2	41.3	Ball screw	20	R481633887
100	500	M27x2	41.3	Ball screw	20	R481633888
100	600	M27x2	41.3	Ball screw	20	R481633889
100	700	M27x2	41.3	Ball screw	20	R481633890
100	800	M27x2	41.3	Ball screw	20	R481633891
100	900	M27x2	41.3	Ball screw	20	R481633892
100	1000	M27x2	41.3	Ball screw	20	R481633893

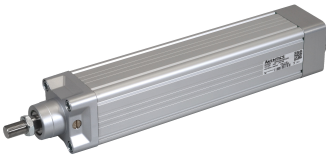
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S = stroke
* Nominal stroke
t = depth

KK	SW2	J5 mm	ZA	ZB	B -0,1 / -0,35	D10	AM	D12 -0,02 / -0,07	D11
M27 x 2	AF 46	#104	287±1.5	326±2	Ø90	Ø58	50	Ø80	DIN5480 W 30x1.25x22x8f

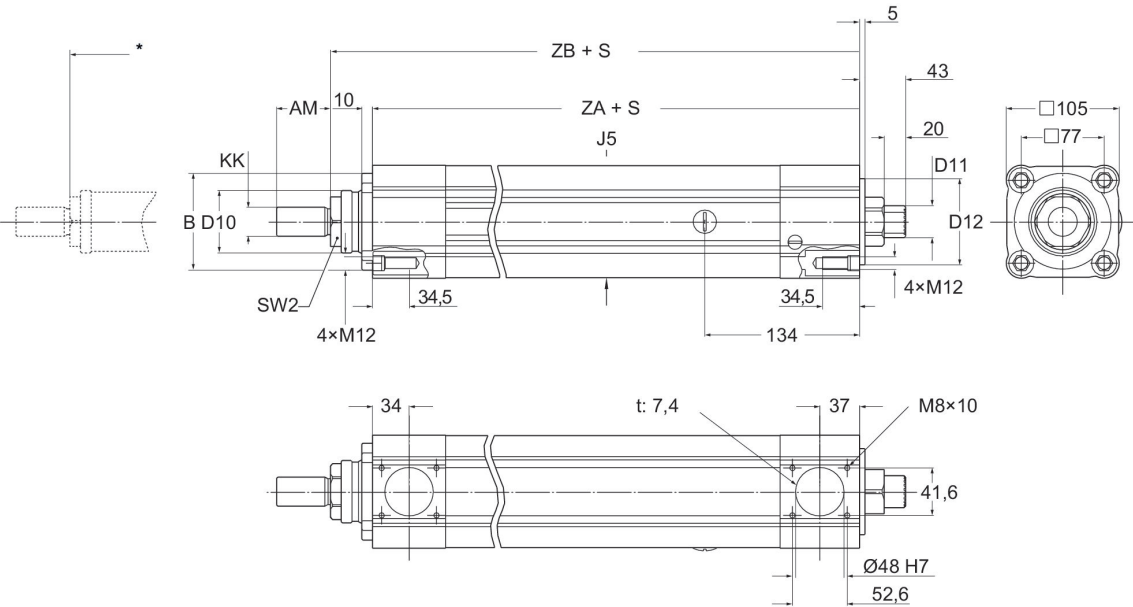
Series SPRA Electric Rod-Style Actuators

Roller screw



Piston Ø [mm]	Stroke [mm]	Piston rod thread	Dynamic load capacity [kN]	Screw type	Screw lead [mm]	Part No.
100	100	M27x2	106	Roller screw	10	R481633894
100	200	M27x2	106	Roller screw	10	R481633895
100	300	M27x2	106	Roller screw	10	R481633896
100	400	M27x2	106	Roller screw	10	R481633897
100	500	M27x2	106	Roller screw	10	R481633898
100	600	M27x2	106	Roller screw	10	R481633899
100	700	M27x2	106	Roller screw	10	R481633900
100	800	M27x2	106	Roller screw	10	R481633901
100	900	M27x2	106	Roller screw	10	R481633902
100	1000	M27x2	106	Roller screw	10	R481633903

Dimensions in mm



S = stroke
* Nominal stroke
t = depth

KK	SW2	J5 mm	ZA	ZB	B -0,1 / -0,35	D10	AM	D12 -0,02 / -0,07	D11
M27 x 2	AF 46	#104	287±1.5	326±2	Ø90	Ø58	50	Ø80	DIN5480 W 30x1.25x22x8f

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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