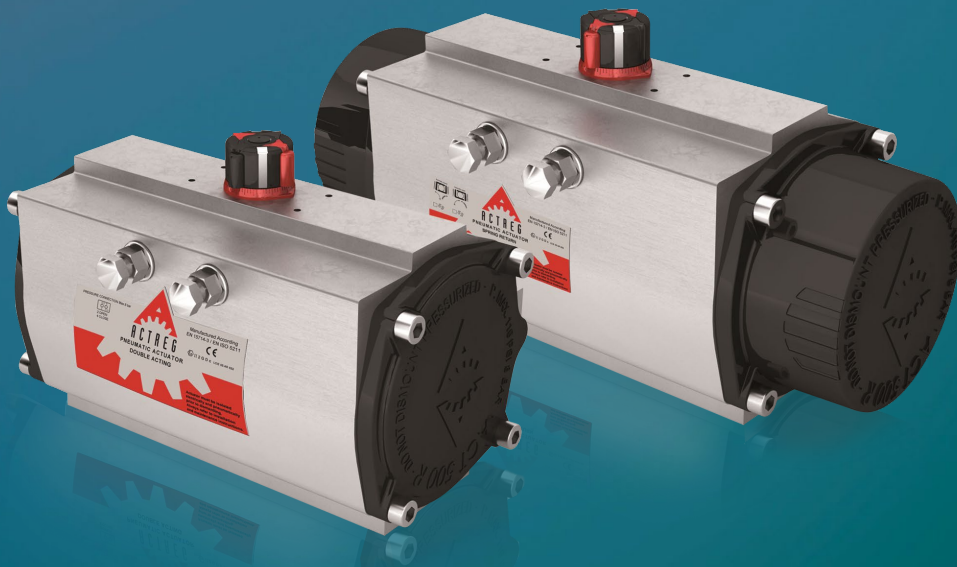




PNEUMATIC ACTUATORS RACK & PINION ACT - 0130

TECHNICAL FEATURES



GENERAL CHARACTERISTICS

DESIGN STANDARDS	CERTIFICATES
Conformity with 2014/68/EU Pressure equipment device (PED) and 2006/42/EC European Machinery Directive	ATEX - Ex II 2 G D
Conformity with EN 15714-3 Pneumatic part-turn actuators for industrial valves	SIL Capability certification SC3
Mounting devices according to NAMUR VDI / VDE 3845 Std.	Quality certification ISO 9001 / Environmental certification ISO 14001
Valve connection according to ISO 5211	IP68 – 1.5m / 30 min.

Max. Pressure	Rotation	Screw stroke Adjustment	Piston Ø (mm)	Air Volume (L)		Stroke Time (sec) Tested at 6 bar. ASR with 14 springs.		Seals material acc. to operating temperature (°C)		
				Opening	Closing	Opening	Closing	STD (standard)	H (high temp.)	L (low temp.)
8 bar	90° ±5°	For 1° Need ¼ Turn	90,5	0,77	0,76	ADA 0,15 ASR 0,32	ADA 0,15 ASR 0,5	NBR O-Ring (-30° to +100°)	FKM O-Ring (-15° to +150°)	Silicone O-Ring (-60° to +80°)

ACTUATOR CODIFICATION

<u>ASR</u>	<u>0130</u>	<u>F0507</u>	<u>S14</u>	<u>FC</u>	-	<u>L</u>	<u>F38</u>	<u>K</u>	<u>C5</u>	<u>- RALXXXX</u>
1	2	3	4	5		6	7	8	9	10

ACTUATOR BASIC FEATURES
1 – Acting type
ASR – Single Acting
ADA – Double Acting
2 – Actuator size:
0130 – for ASR
0130 – for ADA
3 – Flange connection
F05 – F07 acc. to ISO 5211
4 – Number of springs (only for ASR):
S06 / S08 / S10 / S12 / S14 – for ASR 0130
5 – Fail Position (only for ASR):
FC – Fail Close
FO – Fail Open

ACTUATOR OPTIONAL FEATURES
6 – Operating range temperature
Std – (-30 / 100) °C
H (high) – (-15 / 150) °C
L (low) – (-40 / 80) °C
E (extreme low) – (-60 / 80) °C
7 – Air inlet connection not standard
F38 – Air inlet 3/8" G
8 – Optional features (all combinable)
K – Locking device
R – Stroke regulation
U – Imperial threads
9 – Corrosive coating protection
Std – Protection C3
C4 – Protection C4
C5 – Protection C5
10 – Painting RAL
Std – End caps painted RAL 9005 / Body not painted
RALXXXX – RAL specified by the customer

DOUBLE ACTING ACTUATOR "ADA" TORQUE OUTPUT IN Nm

TYPE	Output Torque For Double Acting in Nm																		Weight (Kg)		
	3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		6,5 bar		7 bar			8 bar	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°		0°	90°
ADA	59,1		68,9		78,7		88,6		98,4		108,3		118		128		138		157		3,8

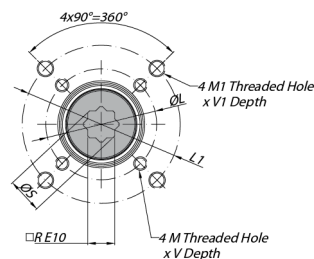
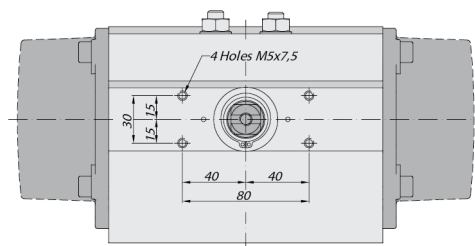
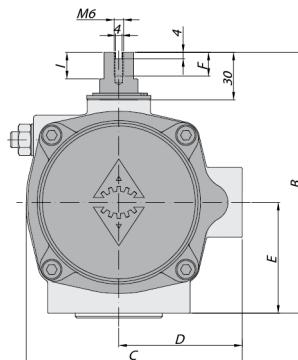
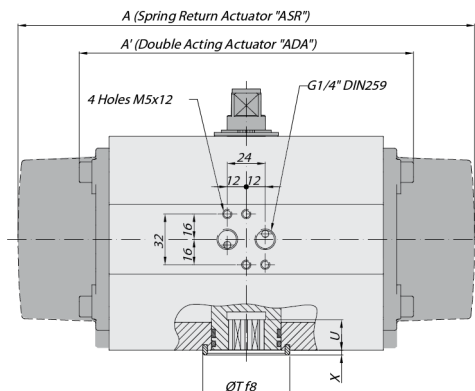
SPRING RETURN ACTUATOR "ASR" TORQUE OUTPUT IN Nm

TYPE	Output Torque for Spring Return in Nm																				Spring		Weight (Kg)
Pressure	3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		6,5 bar		7 bar		8 bar		stroke		
Position	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	END	START	
S06	43	36	52	46	62	56	72	65	82	75	92	85	102	95	111	105	121	115	141	134	19	27	4,40
S08			47	38	57	48	67	58	76	68	86	77	86	87	106	97	116	107	135	127	26	36	4,50
S10					51	40	61	50	71	60	81	70	91	80	100	89	110	99	130	119	32	45	4,60
S12							56	42	65	52	75	62	85	72	95	82	105	92	124	111	39	54	4,70
S14											70	54	80	64	89	74	99	84	119	103	45	64	4,80

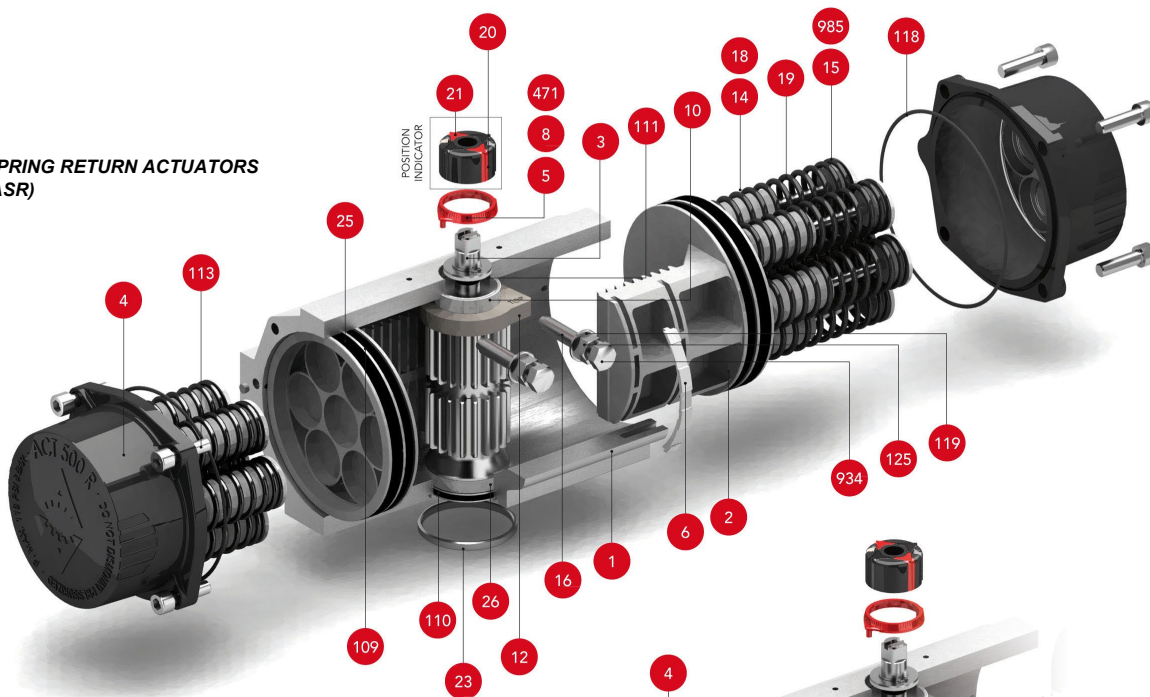
DIMENSIONS

A	A'	B	C	D	E	F	I	R	ØS	ISO 5211	ØL	M x V	ISO 5211	ØL1	M1 x V1	ØT	X	U
258	196	147	122	71	60	12	12,5	17	22,5	F05	50	M6x10	F07	70	M8x16	55	3	22

(*) Dimensions in mm.



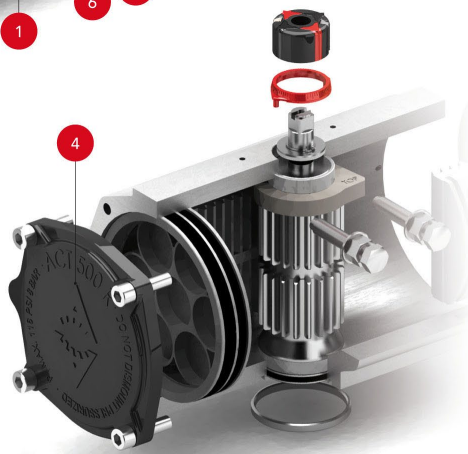
SPRING RETURN ACTUATORS (ASR)



POSITION INDICATOR



DOUBLE ACTING ACTUATOR (ADA)



PARTS & MATERIALS

Item	Description	Material	Spare parts	Item	Description	Material	Spare parts
1	Body	Aluminium Hard Anodized	-	23	Centering Ring	Nickel Plated Carbon Steel	-
2	Piston	Aluminium	-	24	Plug Air Stop	NBR / FKM / Silicone	2
3	Pinion	Nickel Plated Carbon Steel	-	25	Slide Guide	Polyamide PA 6.6 + 30% G.F.	2
4	End Caps	Aluminium Epoxy Coated	-	26	Lower Pinion Bearing	Hostalen RCH 1000	1
5	Soft Pinion Washer	Polyamide PA 6.6	1	109	O-Ring – Piston	NBR / FKM / Silicone	2
6	Slide piston	Polyamide PA 6.6 + 30% G.F.	2	110	O-Ring – Base pinion	NBR / FKM / Silicone	1
8	Pinion Washer	Stainless Steel	-	111	O-Ring – Top pinion	NBR / FKM / Silicone	1
10	Upper Pinion Bearing	Hostalen RCH 1000	1	113	Bolt	Stainless Steel	-
12	Stop	ASTM A-105	-	118	O-Ring – End cap	NBR / FKM / Silicone	2
14	(*) Spring Long Support	Polyamide PA 6.6	-	119	O-Ring – Adjusting screw	NBR / FKM / Silicone	2
15	(*) Spring Short Support	Polyamide PA 6.6	-	125	Washer	Stainless Steel	-
16	Leveling Screw	Stainless Steel	-	913	Set Screw	Stainless Steel	-
18	(*) Bolt	Stainless Steel	-	471	External Circlip	Stainless Steel	1
19	(*) Spring	DIN 2076 -D-5.6	-	934	Nut	Stainless Steel	-
20	Position Indicator	Polyamide	-	985	(*) Nut	Stainless Steel	-
21	Cam	Polyamide	-				

(*) Only for ASR series.



Corrosive protection

Corrosive protection acc. to ISO 12944-5.

Optional features (all combinable)

Locking device

Stroke Regulation

Imperial threads

Accessories

Limit switch Box (Atex Ia / EX d)

Declutchable Gear Operator (DG)

Custom features

Other options available upon request. Please contact Actreg



For further information visit our website
www.actreg.com



ACTREG S.A.U. (headquarters)

Carrer de l'Energia 15-25, naves 1 y 2
 Pol. Industrial Barnasud
 08850 Gavà
 Barcelona (Spain)
 Phone +34 936 614 410
actreg@actreg.com

ACTREG do Brasil, Sorocaba (SP)

Avenida Liberdade, 4565
 Barrio Iporanga - Sorocaba - SP
 CEP 18.087-170
 Sao Paulo, Brasil
 Phone 0055 15 3228 1010
actreg@actregdobrasil.com.br

ACTREG Shanghai Actuator Co., Ltd.

No. 125 Ji Ye Road
 She Shan Industrial Zone
 Songjiang District, Shanghai, China
 P.R.C. 201602
 Phone +86 21 57796818
sale@actreg.net.cn

ACTREG UK, LTD

Units 2 & 3 Henson Close
 Telford Way Industrial Estate
 Kettering Northants NN 16 8PZ
 United Kingdom
 Phone 0044 1536412525
sale@actreg.co.uk

ACTREG North America

20675 Boul. Industrial
 Ste. Anne-de-Bellevue, Quebec
 H9X 4B2 Canada
 Toll Free: 1 800 667 4819
 Phone 001514 457 5777
truline.sales@truline.ca