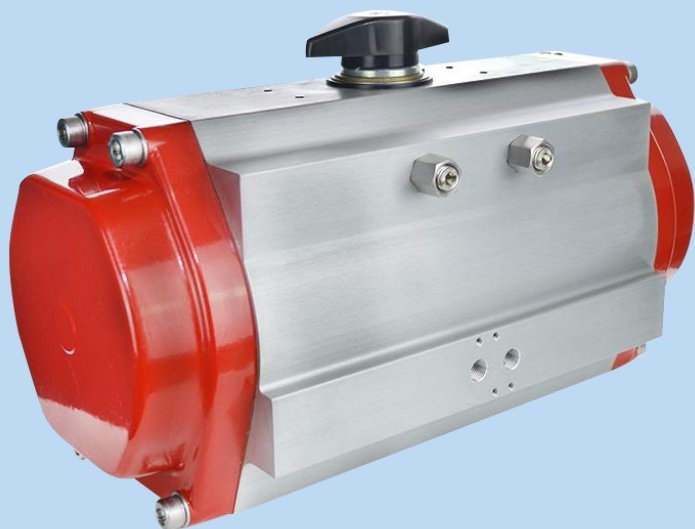




BRAY Series S92 & S93 Pneumatic Rotary Actuator

- Quarter Turn
- Single Acting S93 & Double Acting S92
- Namur and Feedback Interfaces
- ISO 5211
- Position Indicator Fitted
- ATEX, ABS, PED, CE & SIL Approved

Description

Bray pneumatic actuators offer engineering excellence, producing modular rack and pinion actuators in two versions, Spring return which offers 90° rotation and Double acting for rotation of 90°, 135° and 180°. Designed primarily for on /off and throttling applications for pneumatic operation up to a maximum pressure of 140 psi (10Bar). Both versions comply with ISO 5211 dimensions and mount directly to Bray Valves without the use of box section brackets or external linkages, which illuminates misalignment. The actuators are completely enclosed and self contained, having permanently lubricated bearings and guides. The modular design allows easy fitting of actuator accessories, ensuring easy automation.

**FOR FULL TECHNICAL
INFORMATION PLEASE REFER TO
BRAY TECHNICAL DATA**



Description

A rack and pinion pneumatic actuator in both double and single acting functions. ISO 5211 direct mounting to Bray ball and butterfly valves. IP66 Enclosure, ABS, ATEX, Bureau Veritas, PED and SIL3 Certification



Beschreibung

Ein pneumatischer Zahnstangenantrieb mit doppelt und einfach wirkender Funktion. ISO 5211 Direktmontage an Bray Kugel- und Absperrklappen. IP66-Gehäuse, ABS-, ATEX-, Bureau Veritas-, PED- und SIL3-Zertifizierung



Descripción

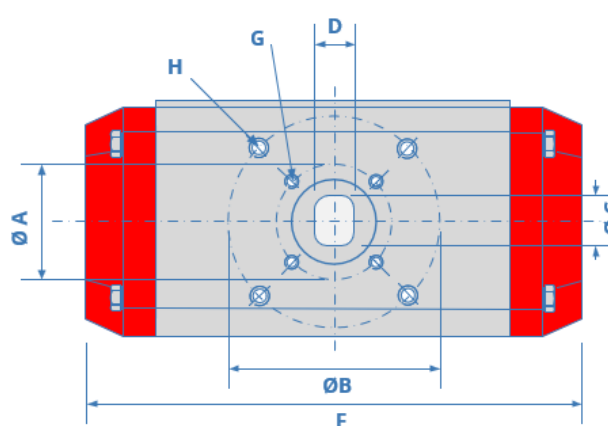
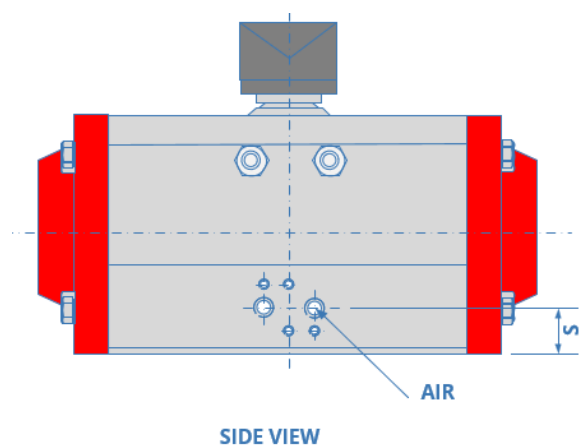
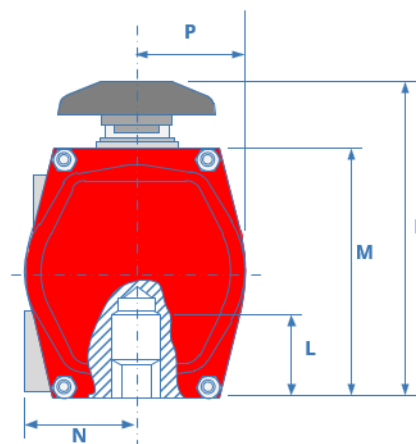
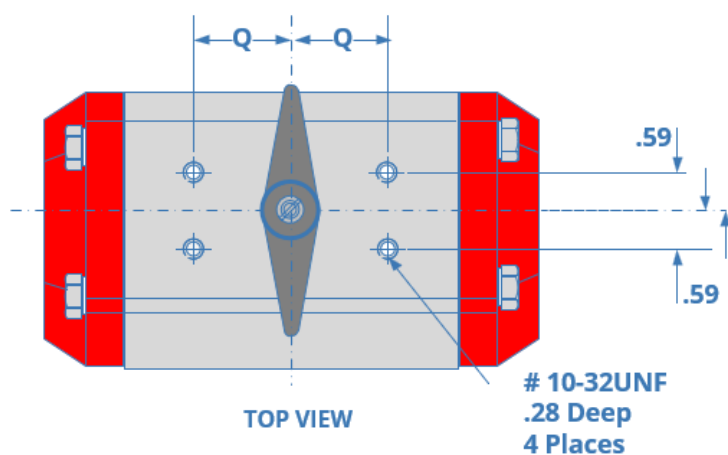
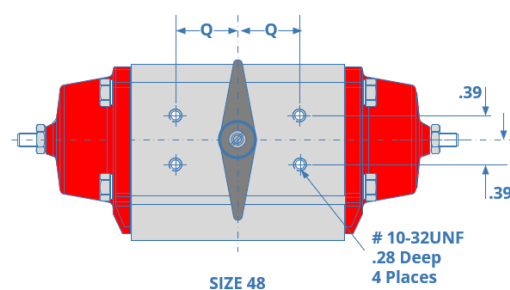
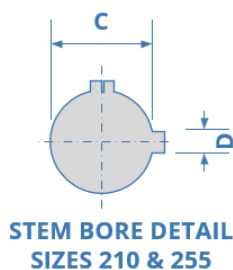
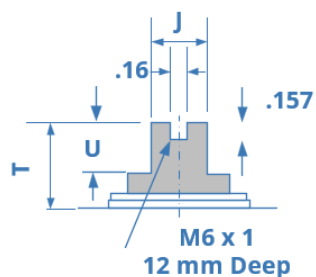
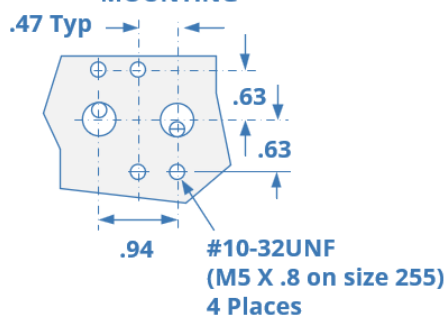
Un actuador neumático de piñón y cremallera en funciones de simple y doble efecto. Montaje directo ISO 5211 en válvulas de bola y mariposa Bray. Carcasa IP66, certificación ABS, ATEX, Bureau Veritas, PED y SIL3



Description

Un actionneur pneumatique à pignon et crémaillère dans les fonctions double et simple effet. Montage direct ISO 5211 sur les vannes à bille et papillon Bray. Boîtier IP66, certification ABS, ATEX, Bureau Veritas, PED et SIL3

AT A GLANCE

NAMUR OUTPUT
SHAFT TOPNAMUR SOLENOID
MOUNTINGS93 SPRING RETURN &
S92 DOUBLE ACTING

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S93 SPRING RETURN & S92 DOUBLE ACTING

DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H
48	1.42-F03	1.97-F05	0.55	0.4	3.88	4.38	10-32x23	1/4"-20x25
63	1.97-F05	2.76-F07	0.55	0.4	4.53	5.58	1/4"-20x32	5/16"-18x40
83	1.97-F05	2.76-F07	0.75	0.51	5.43	7.4	1/4"-20x32	5/16"-18x40
93	1.97-F05	2.76-F07	0.75	0.51	5.78	9.1	1/4"-20x32	5/16"-18x40
119	2.76-F07	4.92-F12	1.18	0.87	7.28	12.4	5/16"-18x46	1/2"-13x69
128	2.76-F07	4.92-F12	1.18	0.87	8.09	12.81	5/16"-18x46	1/2"-13x69
160		4.92-F12	1.18	0.87	9.36	15.54		1/2"-13x.75
210	4.92-F12	6.5-F16	1.97	0.47	11.62	19.57	1/2"-13x78	58-11x1.11
255	6.5-F16	7.87x4.72 Rect.	2.5	0.62	13.49	28.78	M20--x25x30mm	M20x2.5x30mm

DIMENSIONS (mm)

Model	J	L	M	N	Q	S	T	U	Weight Kg	
									DA	SR
48	0.38	1.38	2.5	1.6	1.18	1.25	1.1	0.47	2	2.4
63	0.38	1.38	3.46	1.72	1.38	0.89	0.79	0.47	3.4	4.1
83	0.5	1.46	4.27	2.28	1.79	1.26	0.79	0.47	6.3	8.1
93	0.5	1.46	2.47	2.47	1.97	1.32	0.79	0.47	8.5	10.8
119	1.12	2.2	2.78	2.78	2.37	1.64	0.79	0.47	16.9	22.3
128	1.12	2.2	2.88	2.88	2.7	1.64	0.79	0.47	21	27.6
160	1.12	2.2	3.78	3.78	3.39	2.26	1.18	0.75	38.8	53.2
210	1.12	4.72	4.56	4.56	4.41	2.45	1.18	0.75	77.8	109.6
255	1.12	6.5	5.4	5.4	5.39	2.48	1.18	0.75	167	210.8

Material

Body Material	Aluminium Alloy
Piston	Aluminium Alloy
End Caps	Die Cast Aluminium
Output Shaft	Carbon Steel, Zinq Plated
Travel Stops	Alloy Steel
Shaft Bearings	Acetal
Piston Guides	Acetal
Fasteners	Stainless Steel
Springs	Spring Steel
Piston O Ring Seals	BUNA-N
Approvals	ATEX, SIL3 Suitable, PED

Technical Data

Pressure Range	2.8-10 Bar
Media	Dry Compressed Air
Temperature Range	- 20°C - 93°C High & Low Temp. Seals Available
Double Acting	90° Standard (135° & 180°)
Spring Return	90° Rotation (10 Bar Max)

Compliances

Torque Base	Mounting as per ISO 5211
Accessories	Mounting as NAMUR
Performance Testing	EN 15714-3-2009 IP66/67M per IEC 60529
Ingress Protection	90° Standard (135° & 180°)
Safety	ATEX, SIL 3, PED



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