



# AIR TORQUE

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Page: 1/1

## HOW TO ORDER 4thG Pneumatic Actuators

All dimensions, materials are referred to updated catalogue and/or technical data sheet.

ONLY FOR SPECIAL VERSION	Model	Action (1)	Spring Q.TY	Type of Protection	Flange type			Spigot	Square (2)		Seals
	R	AT051	D	Only for Spring Return	A	F04	F03		Y (On request)	11	9
F	AT101	F05				F04	F05-F07	14		11	
FM	AT201	F05				F05-F07		14		17	
3P	AT251	F07				F05-F07		17			
HC	AT301	Do	5	B	F07	F05-F07	F07-F10	17		22	
	AT351		6	C	F10	F07-F10		22		17	
	AT401	S	7	D	F10	F07-F10		22		27	
	AT451		8	E	F12	F10-F12		27			
	AT501		9	F	F12	F10-F12		27			
	AT551		10	G	F14	F12		36		27	
	AT601	So	11	P	F14	F12		36			
	AT651		12		F16	F14		46		36	
	AT701				F16	F14		46			
	AT801				F25	F16		55			

- Notes:**
- (1) Standard Rotation for double acting and spring return is Clockwise to close (for double acting when port 4 is pressurised).
  - (2) Standard Shaft connection is a female square. Other type of shaft connection like different square sizes, Flat head and Keyed bore are available and need a detailed description.
  - (3) If not specified the actuators will be supplied with standard Position Indicator.
  - (4) The standard assembly / rotation type is "ST". Other assembly / rotation type to be specified as per table TYAS.

### How to order:

00  
R50

1	2	3	4	5	6	7	8	9
AT051	S	12	A	F04	Y	11	-	HT

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| <p><b>1</b> Actuator Model Range:<br/>90° Rotation (Standard) = AT051 to AT804<br/>90° Rotation with top integral shaft = AT054 to AT804<br/>120° Rotation (only Double Acting) = AT052 to AT602<br/>135° Rotation (only Double Acting) = AT053 to AT603<br/>180° Rotation (Double Acting and Spring Return) = AT058 to AT608</p> <p><b>2</b> D = Double Acting, Clockwise to close CW<br/>Do = Double Acting, Counterclockwise to close CCW<br/>S = Spring Return, Springs Clockwise to close CW<br/>So = Spring Return, Springs Counterclockwise to close CCW</p> <p><b>3</b> No code = Double acting actuators<br/>12 = Spring quantity:<br/>05 to 12 for standard actuators,<br/>10 to 24 only for spring return 180° rotation</p> <p><b>4</b> Protection Type (A, B, C, D, E, F, G, P)</p> <p><b>5</b> ISO Flange (See table)</p> | <p><b>6</b> No code = without spigot (standard)<br/>Y = With Spigot</p> <p><b>7</b> Diagonal square = only dimension<br/>Parallel square = Square dimensions + L<br/>Flat head drive = H + Dimensions "S"<br/>Single Key drive = V + Dimensions "d"<br/>Double key drive = W + Dimensions "d"</p> <p><b>8</b> No code = Actuator with standard position Indicator<br/>for other position indicator see related tables</p> <p><b>9</b> No code = NBR standard seals (-20°C to +80°C)<br/>HT = FPM Seals for high Temperature (-15°C to +150°C)<br/>LT = Silicone Seals for low Temperature (-40°C to +80°C)<br/>LLT = Special Silicone Seals for low Temperature (-50°C to +80°C)</p> |
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- 00 NO CODE FOR STANDARD ACTUATOR**
- ONLY FOR SPECIAL VERSION:**  
R50 = Actuator with 50% travel stop Adjustment  
R100 = Actuator with 100% travel stop Adjustment  
FA = Fast acting actuators  
FM = 180° Spring return actuator with 90° Fail Safety Position  
3P = 3 position actuator (specify intermediate position)  
3PD = 3 position Spring return actuator with 2 auxiliary pistons  
HC = Actuator with Hydraulic Speed Control