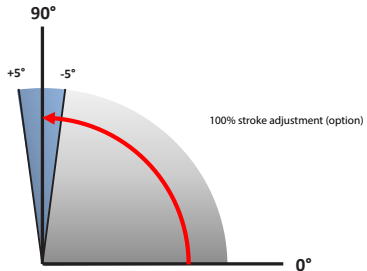


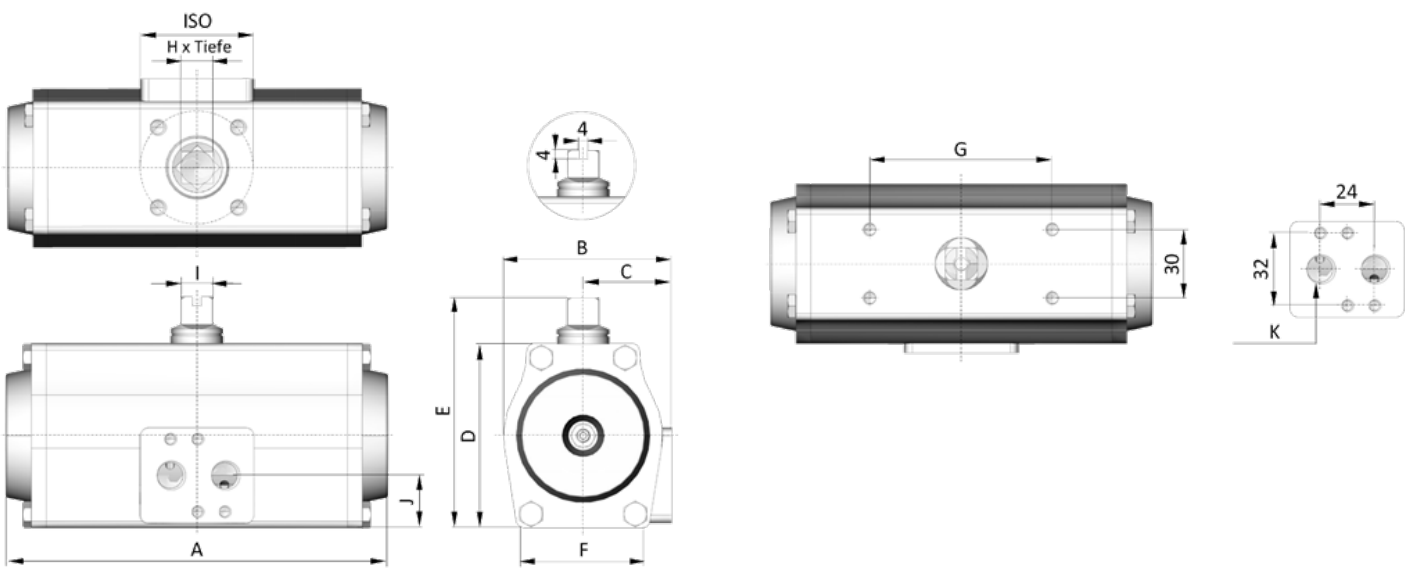
Design	Pneumatic double-piston rotary actuator in rack and pinion design	
Function	Double- and single-acting	
Material	Stainless steel AISI 304 or AISI 316	
Temperature range	Standard	-20°C...+80°C
	Low temperature version	-40°C...+80°C
	High temperature version	-10°C...+150°C
ATEX marking	 II 2 G Ex h IIC T6...T3 Gb II 2 D Ex h IIIC 170°C Db	
Control pressure	2...8 bar	
Control media	dry, filtered air or inert gases in respect of remaining oil-, dust and water-content according to DIN ISO 8573-1 / class 4, max.imum particle diameter 30µm, dew point min.imum 10°C below ambient temperature	
Mounting position	Any mounting position	
Rotation angle	90° Adjustable in switch position +/-5°, (optional 100% stroke adjustment) 	
Standards	Interface actuator/ feedback-unit	VDI/VDE 3845 resp. NAMUR
	Interface actuator/ control media	VDI/VDE 3845 resp. NAMUR
	Interface actuator/ valve	ISO 5211 and DIN 3337



Typecode

Type	Function	Stainless steel type	Size	Rotation angle	Spring set	ISO valve interface	Stem connection	Stem connection dimensions	Mounting direction
PT	E	4A	045	090	12	F03/F05	V	14	F
	D: double-acting E: single-acting	2A: AISI 304 4A: AISI 316		Rotation angle in degree			V: Square acc. to ISO 5211 and DIN 3337	Dimension in mm	E: transversal to pipe, rotation sense CW F: parallel to pipe, rotation sense CW G: transversal to pipe, rotation sense CCW H: parallel to pipe, rotation sense CCW

Dimensions



Dimension table

A	B	C	D	E	F	G	ISO	H	I	J	K
148	70	41	65	95	48	80	F03 + F05	14x14	16	23	G1/4"

Weight,volume

Weight (kg)	double-acting	2,5
	single-acting	2,7

Volume (l)	double-acting	0,2
	single-acting	0,1

Torques double-acting

Control pressure in bar (g)	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
Torque in Nm	6,0	7,6	9,1	10,6	12,1	13,6	15,1	16,6	18,1	19,6	21,1	22,7	24,2

Torques single-acting

		Control pressure in bar (g)																			
		Torque spring stroke in Nm		3		3,5		4		4,5		5		5,5		6		7		8	
Spring set		max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.
Torque in Nm	5	4,6	2,9	6,0	4,3																
	6	5,5	3,5	5,4	3,3	6,9	4,8														
	7	6,5	4,1	4,8	2,3	6,3	3,8	7,8	5,3												
	8	7,4	4,6	4,2	1,3	5,7	2,8	7,2	4,3	8,7	5,8	10,2	7,3								
	9	8,3	5,2			5,1	1,9	6,6	3,4	8,1	4,9	9,6	6,4	11,1	7,9	12,6	9,4				
	10	9,2	5,8					6,0	2,4	7,5	3,9	9,0	5,4	10,5	6,9	12,0	8,4	15,0	11,4	18,1	14,5
	11	10,1	6,4							6,9	2,9	8,4	4,4	9,9	5,9	11,4	7,4	14,4	10,4	17,5	13,5
	12	11,1	7,0									7,8	3,5	9,3	5,0	10,8	6,5	13,8	9,5	16,9	12,6