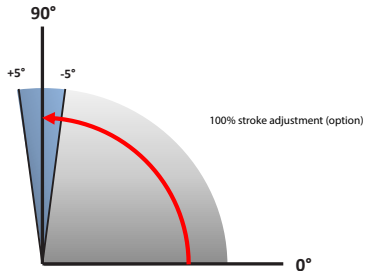


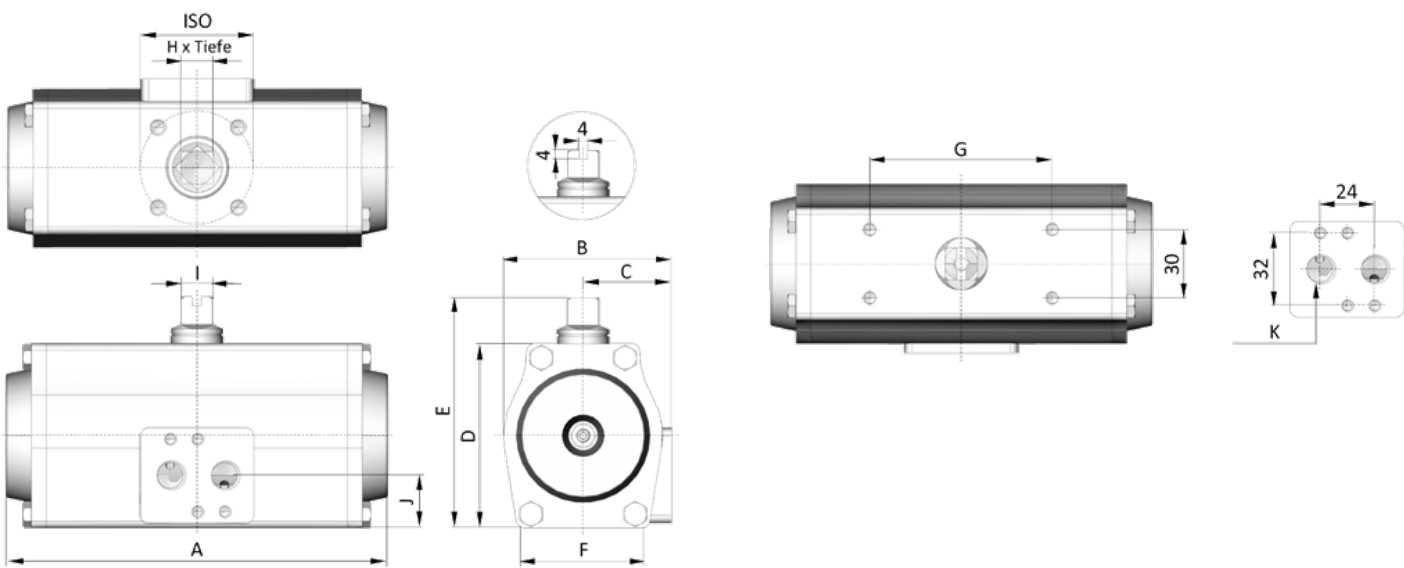
Design	Pneumatic double-piston rotary actuator in rack and pinion design	
Function	Double- and single-acting	
Material	Stainless steel AISI 304 or AISI 316	
Temperature range	Standard	-20°C...+80°C
	Low temperature version	-40°C...+80°C
	High temperature version	-10°C...+150°C
ATEX marking	 II 2 G Ex 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	060	090	12	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
167	83	48	82	112	58	80	F05	14x18	16	23	G1/4"

Weight,volume

Weight (kg)	double-acting	3,9
	single-acting	4,1

Volume (l)	double-acting	0,4
	single-acting	0,2

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	14,2	17,8	21,3	24,9	28,4	32,0	35,5	39,1	42,6	46,2	49,7	53,3	56,8

Torques single-acting

		Torque spring stroke in Nm		Control pressure in bar (g)																	
				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	10,4	6,8	14,2	10,3																
	6	12,5	8,2	12,7	8,1	16,2	11,7														
	7	14,6	9,6	11,2	5,9	14,8	9,5	18,3	13,0												
	8	16,7	10,9	9,8	3,7	13,4	7,3	16,9	10,8	20,5	14,4	24,0	17,9								
	9	18,8	12,3			11,9	5,1	15,4	8,6	19,0	12,2	22,5	15,7	26,1	19,3	29,6	22,8				
	10	20,9	13,7					14,0	6,4	17,6	10,0	21,1	13,5	24,7	17,1	28,2	20,6	35,3	27,7	42,4	34,8
	11	22,9	15,0							16,2	7,8	19,7	11,3	23,3	14,9	26,8	18,4	33,9	25,5	41,0	32,6
	12	25,0	16,4									18,2	9,1	21,8	12,7	25,3	16,2	32,4	23,3	39,5	30,4