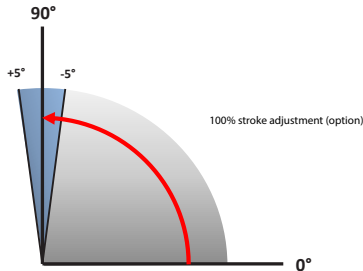


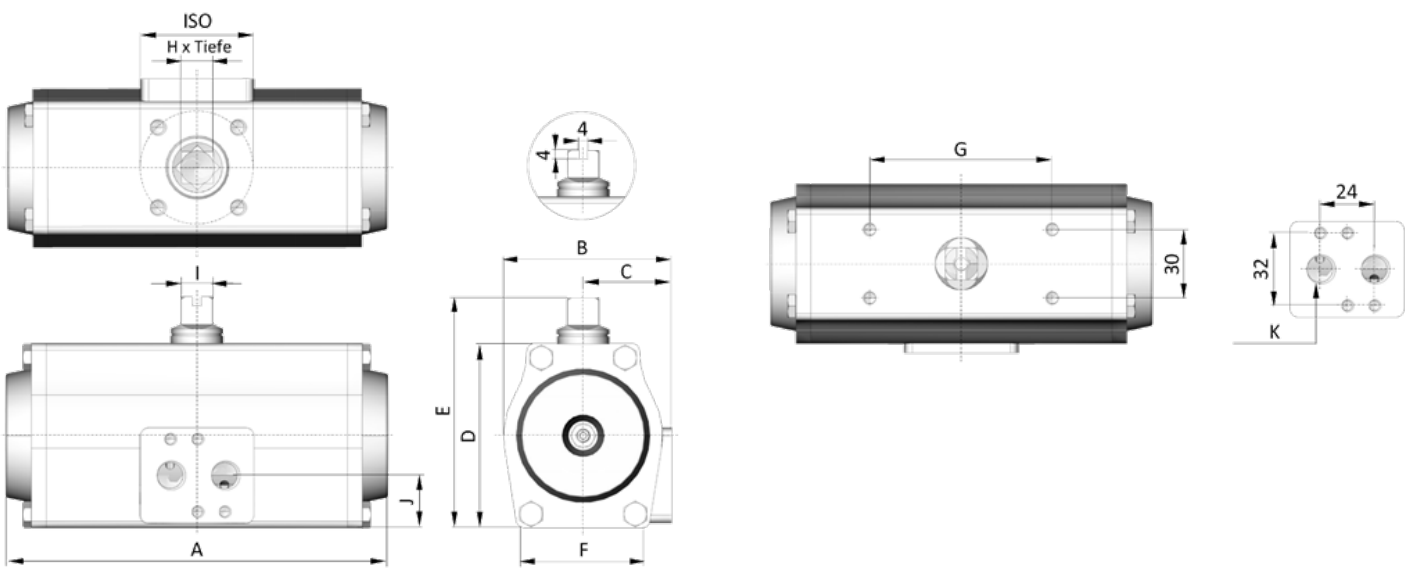
Design	Pneumatic double-piston rotary actuator in rack and pinion design	
Function	Double- and single-acting	
Material	Stainless steel AISI 304 or AISI 316	
Temperature range	Standard	-20°C...+80°C
	Low temperature version	-40°C...+80°C
	High temperature version	-10°C...+150°C
ATEX marking	 II 2 G Ex 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 - 085 / 090	12	F05/F07	V	17	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
197	102	54	108	138	75	80	F05 + F07	17x21	16	24	G1/4"

Weight,volume

Weight (kg)	double-acting	6,4
	single-acting	7

Volume (l)	double-acting	1
	single-acting	0,4

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	30,8	38,5	46,2	53,9	61,6	69,4	77,1	84,8	92,5	100,2	107,9	115,6	123,3

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	23,0	15,8	29,5	21,9																
	6	27,6	19,0	26,2	17,1	33,9	24,9														
	7	32,2	22,1	22,9	12,3	30,6	20,0	38,3	27,7												
	8	36,8	25,3	19,6	7,4	27,3	15,1	35,0	22,8	42,8	30,6	50,5	38,3								
	9	41,4	28,5			23,9	10,3	31,6	18,0	39,4	25,8	47,1	33,5	54,8	41,2	62,5	48,9				
	10	46,0	31,6					28,3	13,2	36,1	21,0	43,8	28,7	51,5	36,4	59,2	44,1	74,6	59,5	90,0	74,9
	11	50,6	34,8							32,8	16,1	40,5	23,8	48,2	31,5	55,9	39,2	71,3	54,6	86,7	70,0
	12	55,2	38,0									37,1	19,0	44,8	26,7	52,5	34,4	67,9	49,8	83,3	65,2