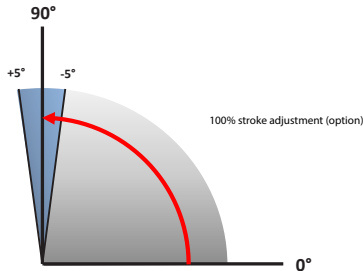


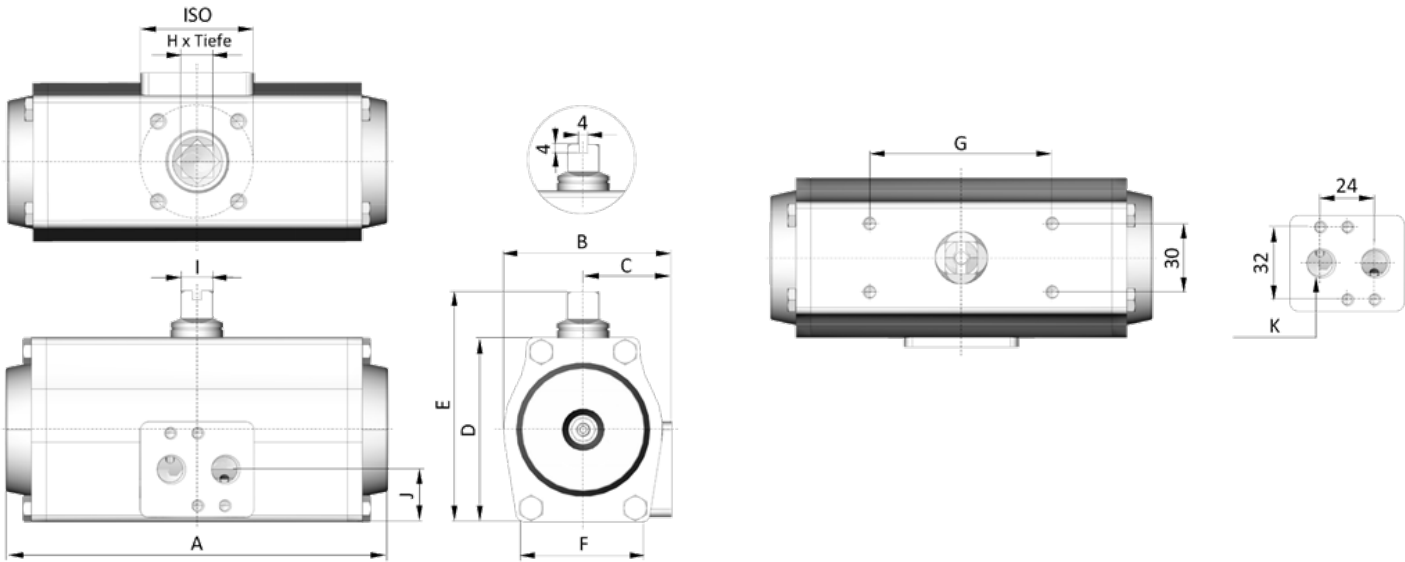
Design	Pneumatic double-piston rotary actuator in rack and pinion design	
Function	Double- and single-acting	
Material	Stainless steel AISI 304 or AISI 316	
Temperature range	Standard	-20°C...+80°C
	Low temperature version	-40°C...+80°C
	High temperature version	-10°C...+150°C
ATEX marking	 II 2 G Ex 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

PT	E	-	4A	-	105	/	090	.	12	.	F07	-	V	.	17	-	F
Type																	
Function																	
D: double-acting E: single-acting																	
Stainless steel type																	
2A: AISI 304 4A: AISI 316																	
Size																	
Rotation angle																	
Rotation angle in degree																	
Spring set																	
ISO valve interface																	
Stem connection																	
V: Square acc. to ISO 5211 and DIN 3337																	
Stem connection dimensions																	
Dimension in mm																	
Mounting direction																	
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
251	122	64	133	163	92	80	F07	17x26	16	24	G1/4"

Weight,volume

Weight (kg)	double-acting	11,9
	single-acting	12,6

Volume (l)	double-acting	2,1
	single-acting	0,9

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	65,8	82,2	98,7	115,2	131,6	148,0	164,4	180,9	197,3	213,8	230,2	246,7	263,1

Torques single-acting

		Torque spring stroke in Nm		Control pressure in bar (g)																	
		max.	min.	3		3,5		4		4,5		5		5,5		6		7		8	
Torque in Nm	Spring set	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.
	5	49,2	31,6	65,3	46,8																
	6	59,1	38,0	58,7	36,5	75,3	53,1														
	7	68,9	44,3	52,1	26,2	68,6	42,7	85,0	59,1												
	8	78,7	50,6	45,4	15,8	61,9	32,3	78,3	48,7	94,7	65,1	111,1	81,5								
	9	88,6	56,9			55,3	22,0	71,7	38,4	88,1	54,8	104,5	71,2	121,0	87,7	137,4	104,1				
	10	98,4	63,3					65,0	28,0	81,4	44,4	97,8	60,8	114,3	77,3	130,7	93,7	163,6	126,6	196,5	159,5
	11	108,3	69,6							74,7	34,0	91,1	50,4	107,6	66,9	124,0	83,3	156,9	116,2	189,8	149,1
	12	118,1	75,9									84,5	40,1	101,0	56,6	117,4	73,0	150,3	105,9	183,2	138,8