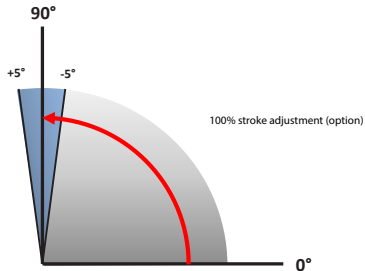


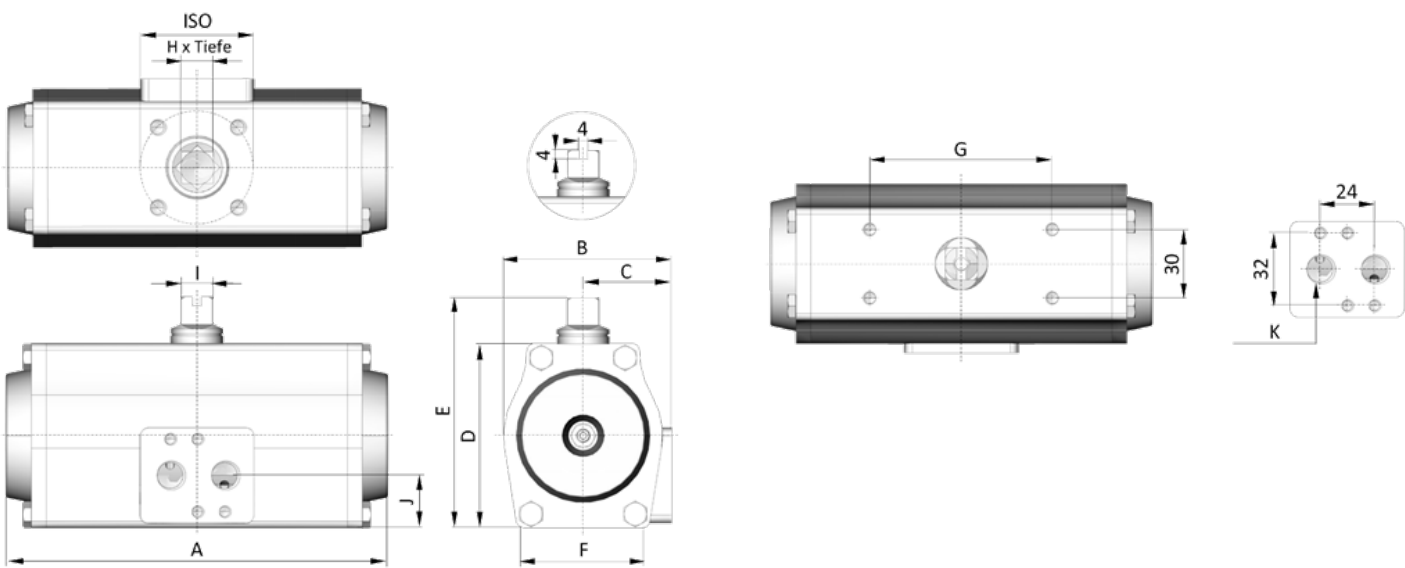
Design	Pneumatic double-piston rotary actuator in rack and pinion design	
Function	Double- and single-acting	
Material	Stainless steel AISI 304 or AISI 316	
Temperature range	Standard	-20°C...+80°C
	Low temperature version	-40°C...+80°C
	High temperature version	-10°C...+150°C
ATEX marking	 II 2 G Ex 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	-	140	/	090	.	12	.	F10/12	-	V	27	-	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
360	154	78	172	202	112	130	F10 + F12	27x31	22	34	G1/4"

Weight,volume

Weight (kg)	double-acting	24,8
	single-acting	27,3

Volume (l)	double-acting	5,6
	single-acting	2,4

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	175	219	263	307	351	395	439	482	526	570	614	658	702

Torques single-acting

				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	129,0	85,8	172,6	127,2																
	6	154,8	102,9	154,6	100,1	198,7	144,2														
	7	180,5	120,1	136,6	73,0	180,6	117,0	224,6	161,0												
	8	206,3	137,3	118,5	45,8	162,5	89,8	206,5	133,8	250,5	177,8	294,5	221,8								
	9	232,1	154,4			144,5	62,7	188,5	106,7	232,5	150,7	276,5	194,7	320,0	238,2	363,5	281,7				
	10	257,9	171,6					170,4	79,5	214,4	123,5	258,4	167,5	301,9	211,0	345,4	254,5	433,4	342,5	521,4	430,5
	11	283,7	188,7							196,8	96,9	240,3	140,4	283,8	183,9	327,3	227,4	415,3	315,4	503,3	403,4
	12	309,5	205,9									222,3	113,2	265,8	156,7	309,3	200,2	397,3	288,2	485,3	376,2