
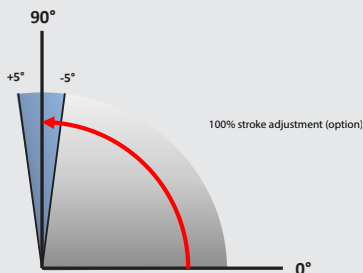




<b>Description</b>	Pneumatic double-piston rotary actuator in rack & pinion design with self-centering pistons; double- and single-acting execution
<b>Materials</b>	Stainless steel AISI 304 or AISI 316
<b>ATEX marking</b>	 II 2 G Ex h IIC T6...T3 Gb II 2 D Ex h IIIC 170°C Db
<b>Temperature range</b>	Standard: -20°C bis +80°C Low temperature version: -40°C bis +80°C High temperature version: -10°C bis +150°C
<b>Control pressure</b>	2 to 8 bar
<b>Pressure media</b>	dry, filtered air or inert gases in respect of remaining oil-, dust and water-content according to DIN ISO 8573-1 / class 4, maximum particle diameter 30µm, dew point minimum 10°C below ambient temperature
<b>Standards</b>	Interface actuator/feedback-unit: VDI/VDE 3845 resp. NAMUR  Interface actuator/control media supply: VDI/VDE 3845 resp. NAMUR  Interface actuator/valve: ISO 5211 and DIN 3337
<b>Nominal rotation angle</b>	90° Adjustable in switch position +/-5°, (optional 100% stroke adjustment)



## Typecode

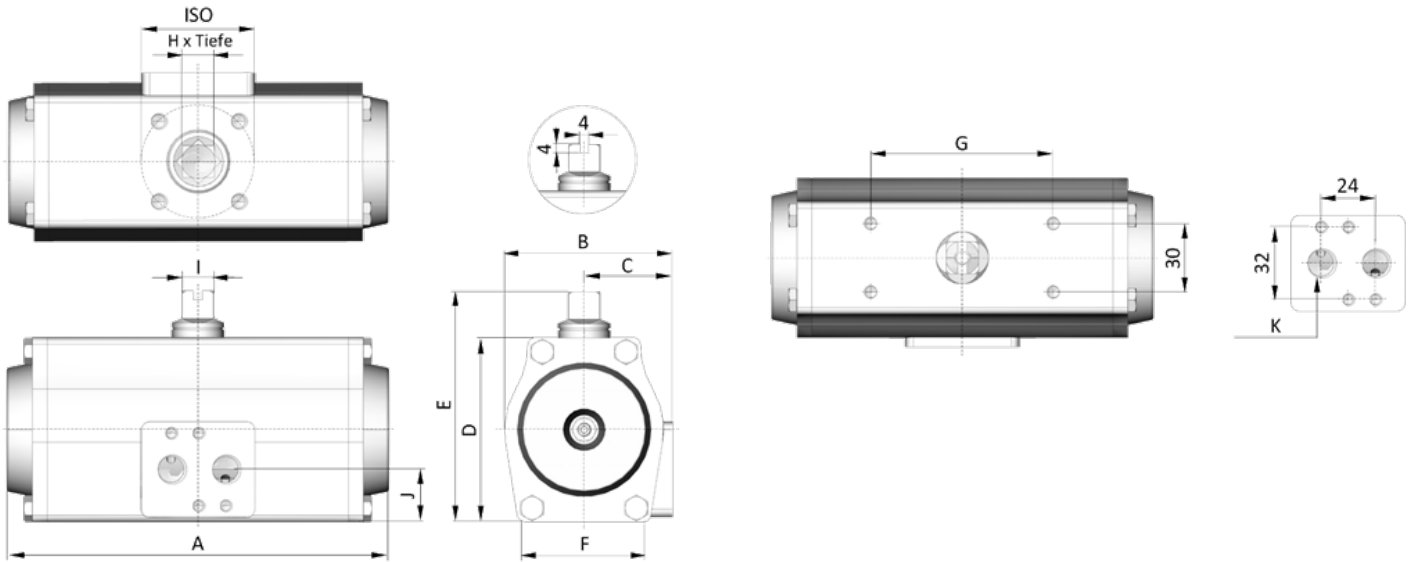
	<b>PT</b>	<b>E</b>	<b>4A</b>	<b>125</b>	<b>/</b>	<b>090</b>	<b>.</b>	<b>12</b>	<b>.</b>	<b>F07/F10</b>	<b>-</b>	<b>V</b>	<b>.</b>	<b>22</b>	<b>-</b>	<b>F</b>
<b>Type</b>																
<b>Function</b>	D: double-acting E: single-acting															
<b>Stainless steel Type</b>	2A: AISI 304 4A: AISI 316															
<b>Size</b>																
<b>Rotation angle</b>	Rotation angle in degree															
<b>Spring set</b>																
<b>ISO valve interface</b>																
<b>Stem connection</b>	V: Square acc. to ISO 5211 and DIN 3337															
<b>Stem connection dimensions</b>	Dimension in mm															
<b>Mounting direction</b>	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															

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## Dimensions



A	B	C	D	E	F	G	ISO	H	I	J	K
284	140	72	155	185	96	130	F07 + F10	22x26	22	28	G1/4"

## Weight, volume

Weight (kg)	double-acting	18
	single-acting	19,2

Volume (l)	double-acting	3,3
	single-acting	1,5

## Torques double-acting

Torque in Nm at control pressure in bar (g)													
2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	
103	128	154	180	205	231	256	282	308	334	359	385	410	

## Torques single-acting

Spring set	Torque spring stroke in Nm		Torque in Nm at control pressure in bar (g)																		
			3		3,5		4		4,5		5		5,5		6		7		8		
	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	
5	78,4	52,4	99,0	71,5																	
6	94,1	62,8	87,9	55,0	113,3	80,5															
7	109,7	73,3	76,8	38,5	102,3	64,0	127,8	89,5													
8	125,4	83,8	65,8	22,0	91,3	47,5	116,8	73,0	142,3	98,5	167,8	124,0									
9	141,1	94,2			80,3	31,0	105,8	56,5	131,3	82,0	156,8	107,5	182,8	133,5	208,8	159,5					
10	156,8	104,7					94,8	40,0	120,3	65,5	145,8	91,0	171,8	117,0	197,8	143,0	248,8	194,0	299,8	245,0	
11	172,4	115,2							108,8	48,5	134,8	74,5	160,8	100,5	186,8	126,5	237,8	177,5	288,8	228,5	
12	188,1	125,7									123,7	58,0	149,7	84,0	175,7	110,0	226,7	161,0	277,7	212,0	