



Easytork Vane Actuator



An End-User's **3 Year**
Journey To **LOVING** Easytork



Spring**less**-Return Actuator

**Compact, Efficient, Fast, and
Tough against BAD environment and air**

Easytork Vane Actuator ("EVA") Design

Air reservoir

Air reservoirs in fail-safe systems are commonly used to replace springs for large mission-critical emergency shut-down valves.

Fail-safe
video



Click QR codes on
computer for link



Vane actuator = pure rotary-to-rotary movement

EVAs only have one moving part that creates pure rotary-to-rotary movement which contributes to better lifespan.

EVA
movement
video



Patents: Pneumatic Actuator Structure
USA = 8,671,672
Other countries pending

Vane Design

Non-O-ring sealing

O-rings are meant for static sealing and not for dynamic sealing. Yet, most brands use O-rings for direct sealing which result in problems such as high friction, high break away torque, and high wear and tear.

No stick-slip, and low friction

Vane has limited contact to housing body which results in low friction, smooth operation, and no "stick-slip" even after extended cycles. Ideal for both on-off and precision modulating controls.

Double lip-seal

With increased air pressure, pressure pushes against double lip-seal allowing for greater tightness against housing body. Lip-sealing aligns and provides tightness under pressure.

Stopper bolt to vane contact

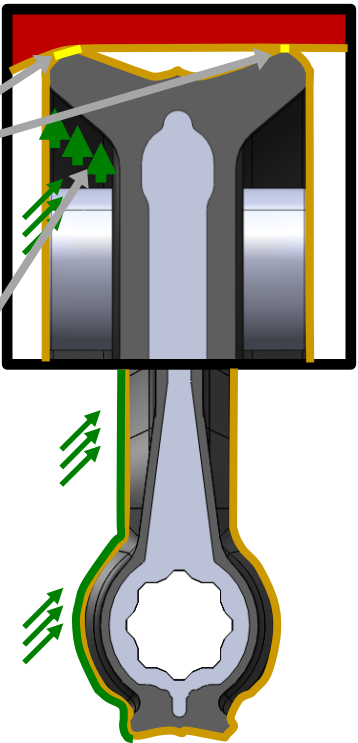
Stopper bolt does not impact vane sealing but against stainless steel vane assembly extrusion. The core of the vane-shaft is lightweight. This reduces the vane's impact to the stopper bolts and prolongs cycle life.

Heavy duty DU bushings

Result in a supported vane shaft and life long lubrication.

Easy travel limit change

The standard travel stop adjustment is +/- 5° at CCW and CW +/- 5° for a total of 80° to 100°. Extended travel stop are also available for adjustments between 60° to 100°.



- Air pressure
- Actuator housing
- Grease
- Seal & housing contact

EVA Features and Benefits

Dirty or High-Purity Environments

Case study and video



Years of usage in dirty and caustic environment



Exterior of actuator



Clean interior

Video: Few parts



Video: Simple movement



Easytork parts



Rack & pinion parts

Less Parts

Lighter & Smaller

Video



Case study



120 lbs.

49 lbs.

12" Video



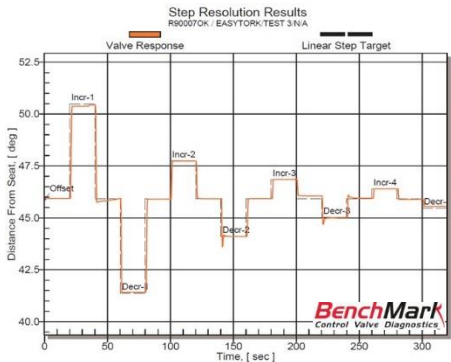
Faster Speed

Excellent Accuracy for Control

Black diamond test report



Case study



Accuracy better or equal to spring & diaphragms

Direct Mount to Valve & Auxiliary

Video



Non-ISO Valve

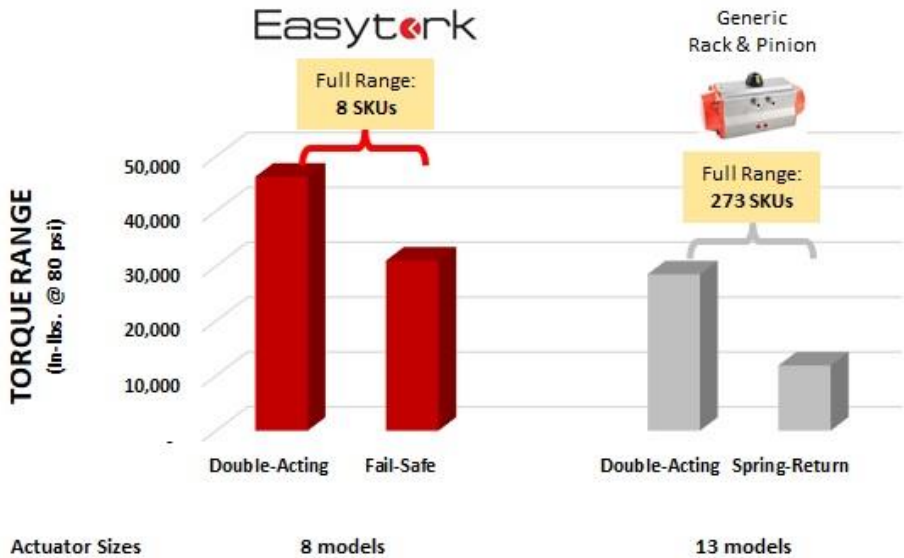
ISO Valve



Same actuator

EVA Features and Benefits

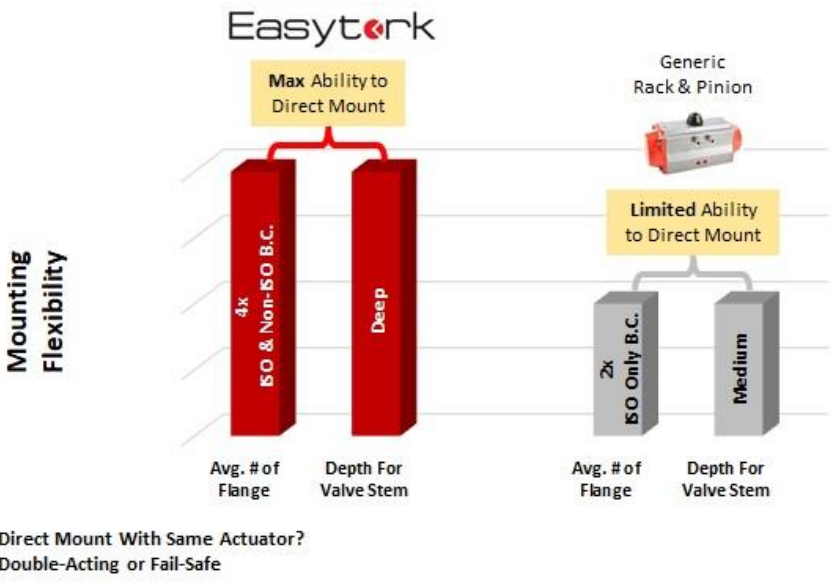
1 EVA replaces 30 traditional actuator SKUs



Video



1 EVA direct mounts to many valves (ISO or non-ISO)



Video



EVA Air Flow

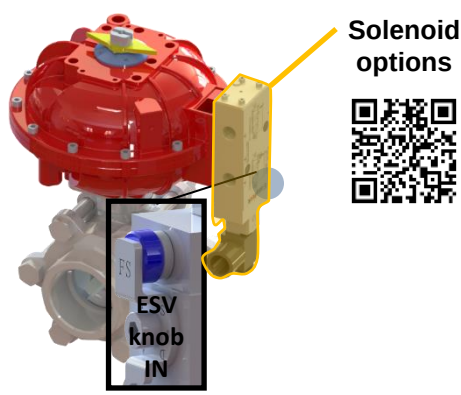
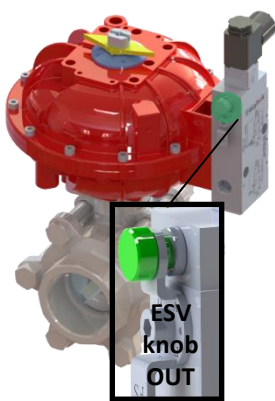
Any Electrical Rating
With Easytork Solenoid Valve

Double-acting

Fail-close

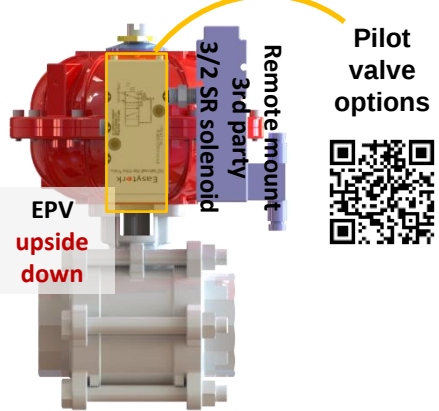
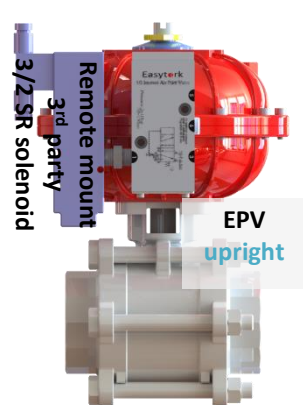
Fail-open

Air flow video

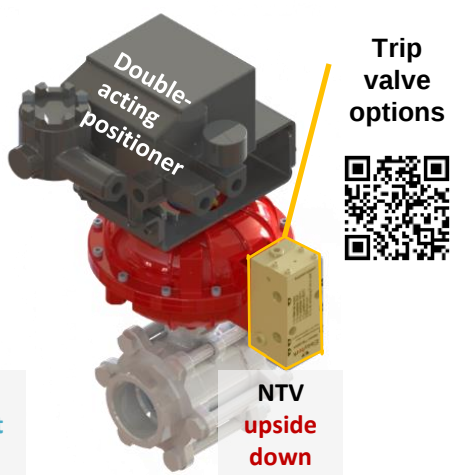
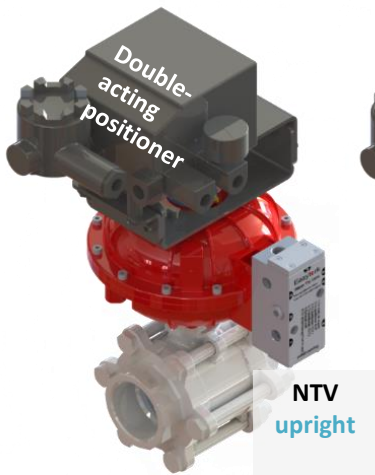
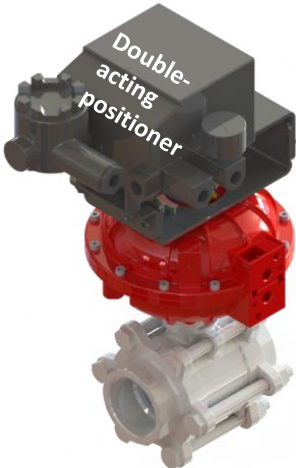
Universal Compatibility
With Any 3rd Party Solenoid

Air flow video

Universal Compatibility
With Any Positioner

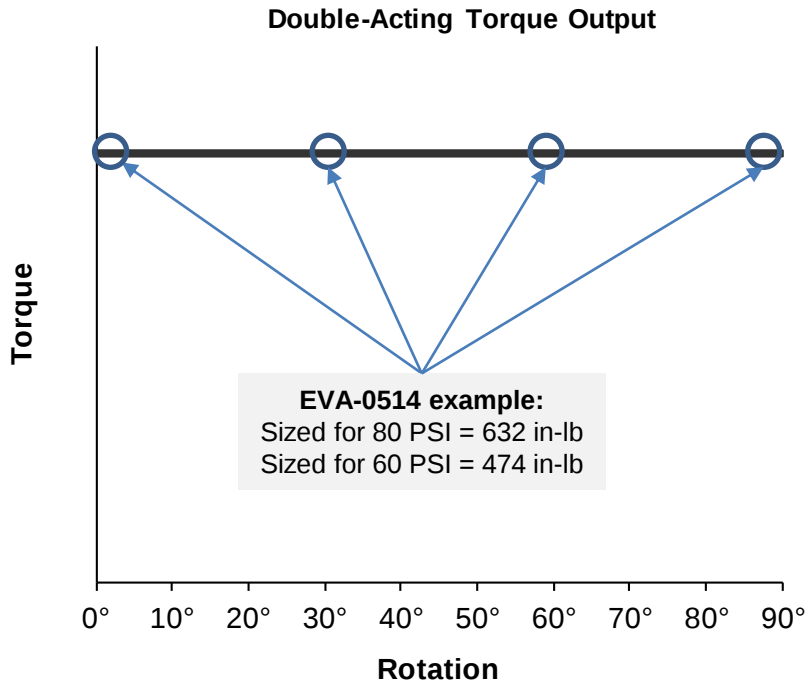
Air flow video

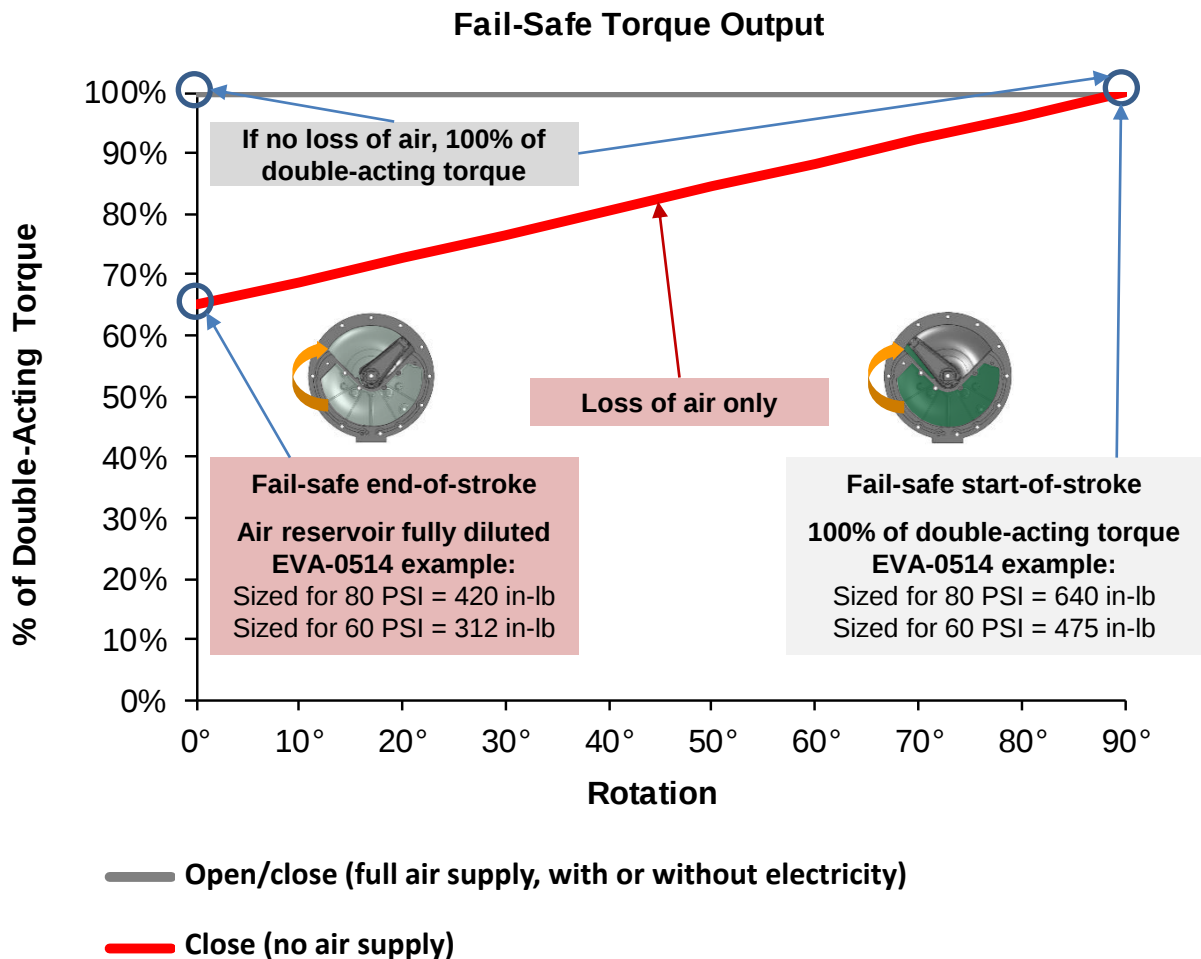
Patents: Air Flow Principle
USA = 8,573,558
China = 2701057, 2323461, 2173061
Taiwan = M412285, M414523, M425196
PCT Filing = PCT/CN2011/071074, PCT/CN2011/077685
Other countries pending

EVA Torque Curve

Double-Acting Torque Curve



Fail-Safe Torque Curve



EVA Torque Output

Metric

Double-Acting (NM)						
Model / BAR	3.0	4.0	5.0	5.5	6.0	7.0
EVA-0411	21.1	28.1	35.1	38.6	42.1	49.2
EVA-0514	38.1	51.8	65.4	72.1	78.7	91.6
EVA-0717	84.5	119.5	146.7	158.7	170.8	193.4
EVA-1022	170.6	233.0	295.0	326.2	355.9	417.1
EVA-1227	367.0	496.0	622.0	683.0	748.0	875.0
EVA-1436	631.0	862.0	1,090.0	1,212.0	1,330.0	1,550.0
EVA-1646	1,367.0	1,829.0	2,299.0	2,537.0	2,768.0	3,207.0
EVA-1646 Tandem	2,734.0	3,658.0	4,598.0	5,074.0	5,536.0	6,414.0

Fail-Safe (Minimum Torque At End-Of-Stroke) (NM)						
Model / BAR	3.0	4.0	5.0	5.5	6.0	7.0
EVA-0411	13.5	18.0	22.5	24.7	27.0	31.5
EVA-0514	24.7	34.0	43.1	47.4	52.1	60.4
EVA-0717	58.3	78.8	99.9	110.7	120.5	138.0
EVA-1022	114.0	157.6	200.2	221.1	241.6	284.0
EVA-1227	247.0	336.0	419.0	465.0	510.0	588.0
EVA-1436	415.0	560.0	727.0	810.0	886.0	1,044.0
EVA-1646	900.0	1,220.0	1,536.0	1,698.0	1,867.0	2,163.0
EVA-1646 Tandem	1,800.0	2,440.0	3,072.0	3,396.0	3,734.0	4,326.0

Imperial

Double-Acting (In-Lb)							
Model / PSI	40	50	60	70	80	90	100
EVA-0411	171	214	257	300	343	386	429
EVA-0514	310	392	475	559	640	720	799
EVA-0717	688	889	1,094	1,253	1,409	1,563	1,686
EVA-1022	1,388	1,759	2,133	2,520	2,895	3,258	3,636
EVA-1227	2,986	3,762	4,540	5,314	6,062	6,847	7,628
EVA-1436	5,134	6,508	7,890	9,312	10,758	12,174	13,512
EVA-1646	11,123	13,931	16,742	19,641	22,519	25,337	27,958
EVA-1646 Tandem	22,245	27,862	33,484	39,282	45,038	50,674	55,915

Fail-Safe (Minimum Torque At End-Of-Stroke) (In-Lb)							
Model / PSI	40	50	60	70	80	90	100
EVA-0411	110	137	165	192	219	247	274
EVA-0514	201	256	312	369	420	477	527
EVA-0717	474	598	721	853	983	1,103	1,203
EVA-1022	928	1,184	1,443	1,710	1,963	2,211	2,476
EVA-1227	2,010	2,541	3,076	3,580	4,127	4,668	5,126
EVA-1436	3,377	4,250	5,126	6,211	7,190	8,110	9,101
EVA-1646	7,323	9,241	11,167	13,123	15,072	17,090	18,856
EVA-1646 Tandem	14,646	18,481	22,335	26,245	30,143	34,179	37,713

Note: Published torques are actual output torque values and do not contain safety factor.

EVA Technical Data

	Note	Unit	EVA-0411	EVA-0514	EVA-0717	EVA-1022	EVA-1227	EVA-1436	EVA-1646
Weight		Kg	1.8	2.8	5.8	10.5	22.2	39.1	75.6
		Lb	4.0	6.1	12.7	23.1	48.9	86.1	166.7
Total air volume 90° stroke with dead volume	DA or FS	Litre	0.150	0.300	0.600	1.200	2.400	4.800	9.600
	CCW or CW	In ³	9.2	18.3	36.6	73.2	146.5	292.9	585.8
	DA and FS	Litre	0.300	0.600	1.200	2.400	4.800	9.600	19.200
	CCW and CW	In ³	18.3	36.6	73.2	146.5	292.9	585.8	1171.7
Stroke time									
With 1.8 Cv	DA	Sec	0.24/0.24	0.36/0.36	0.45/0.45	0.59/0.59	0.75/0.75	1.34/1.34	3.30/3.30
At 5.5 bar or 80 psi	(open / close)								
No load	FS	Sec	0.24/0.27	0.36/0.39	0.45/0.47	0.59/0.60	0.75/0.84	1.34/1.47	3.30/3.41
	(open / close)								

Technical Specifications	
Travel adjustment	Extended stopper: -5°/+5° on each side, total of 80° - 100° Extended stopper: -22.5°/+5° on each side, total of 45° - 100°
Temperature range	Standard temp: -20°C to 80°C (-4°F to 176°F)
Pressure rating	Maximum recommended working pressure: 100 psi (7 bar) Maximum overload pressure: 150 psi (10 bar)
Operating medium (standard)	Must use inert gases

Mounting Specifications	
Actuator to valve	Mounting standard per EN ISO5211 (DIN3337 optional) and traditional mounting
Drive components	Parallel or diagonal square head per EN ISO5211
Accessories	NAMUR VDI/VDE 3845

Standard and Specifications Complied	
ISO 5211:2001 (E)	Industrial valves – part-turn actuator attachments
Namur VDI/VDE 3845	Interface between valves, actuators and auxiliary equipments
CEN/TC 69	Basic requirements for pneumatic part-turn actuators on industrial valves
CE Marking	Machinery Directive 2006/42/EC
MESC SPE 77/211	Valve stem and stem adaptor dimensions and bracket drilling patterns for actuated quarter-turn valves
ANSI/AWWA C541-08	Hydraulic and pneumatic cylinders and vane-type actuators for valves and slide gates

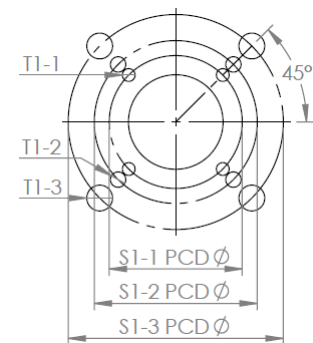
EVA Valve Interface Dimensions

EVA valve and auxiliary interface summary

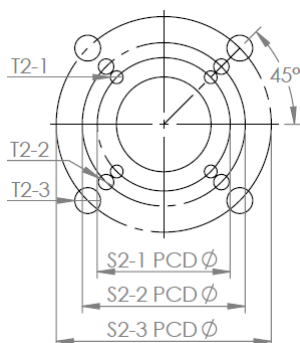
Actuator Size	Valve Mounting															Auxiliary Mounting		
	Flange Type Available												Drive Insert		Shafts		VD/INDE 3845	NAMUR
	ISO									Non ISO			Standard		Semi-			
	F03	F04	F05	F07	F10	F12	F14	F16	F25	3.25"	5.00"	6.50"	Issuance	Other	Direct	Direct		
EVA-0411	√	√	√	√									11mm sq	√	√	√	√	√
EVA-0514		√	√	√						√			14mm sq	√	√	√	√	√
EVA-0717			√	√	√					√			17mm sq	√	√	√	√	√
EVA-1022				√	√	√				√	√		22mm sq	√	√	√	√	√
EVA-1227					√	√		√		√	√	√	27mm sq	√	√	√	√	√
EVA-1436						√		√			√	√	36mm sq	√	√	√	√	√
EVA-1646								√	√			√	46mm sq	√	√	√	√	√

Flange type (ISO compliant and traditional mounting available)

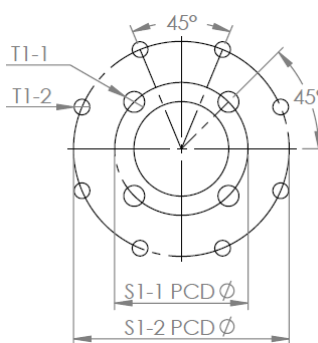
EVA-0309 to 1436 bottom side



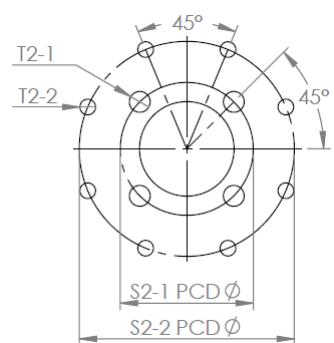
EVA-0309 to 1436 top side



EVA-1646 bottom side

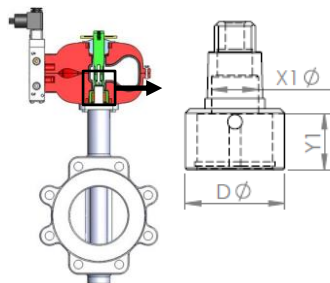


EVA-1646 top side

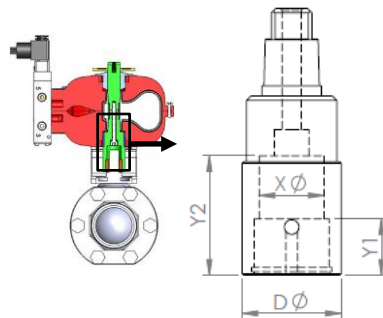


Shafts (shafts can be indexed every 45°)

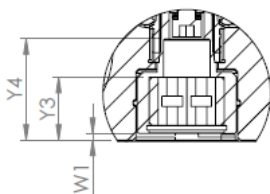
Direct mount shaft



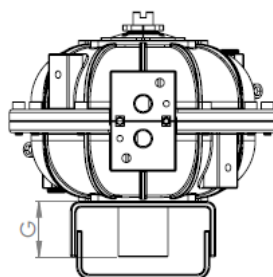
Semi-direct mount shaft



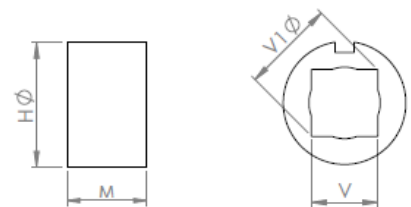
Direct mount shaft in EVA
(Available space for valve stem)



Note: If X1 Ø is wide enough for valve stem's max dia., Y4 is max valve stem depth. If not, use Y3.



Standard issuance drive insert square head (ISO5211 compliant)



Custom insert (max size allowed)



(Imperial)

Dimensions (inch)	Model						
	EVA-0411	EVA-0514	EVA-0717	EVA-1022	EVA-1227	EVA-1436	EVA-1646

Flange Type Available (ISO5211 Compliant)

S1-1 PCD Ø	1.42 / F03	1.97 / F05	1.97 / F05	2.76 / F07	4.02 / F10	4.92 / F12	6.50 / F16
S1-2 PCD Ø	1.97 / F05	2.76 / F07	2.76 / F07	4.02 / F10	4.92 / F12	6.50 / F16	10.0 / F25
S1-3 PCD Ø	2.76 / F07	-	4.02 / F10	4.92 / F12	6.50 / F16	-	-
S2-1 PCD Ø	1.65 / F04	1.65 / F04	3.25	3.25	3.25	5.00	6.50 / F16
S2-2 PCD Ø	-	3.25	-	5.00	5.00	6.50 / F16	10.0 / F25
S2-3 PCD Ø					6.50 / F16	-	
T1-1	4x10-24UNC Deep 0.31	4x1/4-20UNC Deep 0.35	4x1/4-20UNC Deep 0.35	4x5/16-18UNC Deep 0.47	4x3/8-16UNC Deep0.59	4x1/2-13UNC Deep0.71	4x3/4-10UNC Deep 1.18
T1-2	4x1/4-20UNC Deep 0.35	4x5/16-18UNC Deep 0.47	4x5/16-18UNC Deep 0.47	4x3/8-16UNC Deep 0.59	4x1/2-13UNC Deep0.71	4x3/4-10UNC Deep1.18	8x5/8-11UNC Deep 0.94
T1-3	4x5/16-18UNC Deep 0.47	-	4x3/8-16UNC Deep 0.59	4x1/2-13UNC Deep 0.71	4x3/4-10UNC Deep1.18	-	-
T2-1	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31	4x3/8-16UNC Deep 0.59	4x3/8-16UNC Deep 0.59	4x3/8-16UNC Deep0.59	4x1/2-13UNC Deep0.71	4x3/4-10UNC Deep 1.18
T2-2	-	4x3/8-16UNC Deep 0.59	-	4x1/2-13UNC Deep 0.71	4x1/2-13UNC Deep0.71	4x3/4-10UNC Deep1.18	8x5/8-11UNC Deep 0.94
T2-3	-	-	-	-	4x3/4-10UNC Deep1.18	-	-

Standard Issued Drive Insert (V measurements reflect valve stem. Inserts subsequently made with appropriate tolerance for valve stem interface)

V	0.43	0.55	0.67	0.87	1.06	1.42	1.81
V1 Ø	0.56	0.77	0.94	1.21	1.46	1.93	2.52
H Ø	0.87	1.02	1.28	1.73	2.36	3.07	3.74
M	0.55	0.65	0.83	1.02	1.34	1.71	2.19

Shaft

Y1	0.63	0.75	0.94	1.16	1.50	1.89	2.46
D Ø	1.06	1.34	1.59	2.14	2.81	3.62	4.72

Direct Mount Shaft

X1 Ø	0.51	0.63	0.83	1.13	1.40	1.69	2.26
Y3	0.71	0.84	1.05	1.26	1.61	2.05	2.64
Y4	1.04	1.35	1.68	2.07	3.06	3.50	4.29
W1	0.08	0.09	0.10	0.10	0.11	0.16	0.18

Semi-Direct Mount Shaft

G	1.00	1.50	1.50	1.75	1.75	2.00	3.00
X Ø	0.71	0.87	1.11	1.42	2.05	2.68	C/F
Y2	1.31	1.59	2.22	2.36	2.56	2.76	C/F

Custom Drive Insert (Maximum dimension on insert allowed)

MAX.X Ø	0.71	0.87	1.11	1.42	2.05	2.68	3.07
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(Metric)

Dimensions (mm)	Model						
	EVA-0411	EVA-0514	EVA-0717	EVA-1022	EVA-1227	EVA-1436	EVA-1646

Flange Type Available (ISO5211 Compliant)

S1-1 PCD Ø	36.0 / F03	50.0 / F05	50.0 / F05	70.0 / F07	102.0 / F10	125.0 / F12	165.0 / F16
S1-2 PCD Ø	50.0 / F05	70.0 / F07	70.0 / F07	102.0 / F10	125.0 / F12	165.0 / F16	254.0 / F25
S1-3 PCD Ø	70.0 / F07	-	102.0 / F10	125.0 / F12	165.0 / F16	-	-
S2-1 PCD Ø	42.0 / F04	42.0 / F04	82.6	82.6	82.6	127.0	165.0 / F16
S2-2 PCD Ø	-	82.6	-	127.0	127.0	165.0 / F16	254.0 / F25
S2-3 PCD Ø					165.0 / F16		
T1-1	4-M5x0.8 Deep 8.0	4-M6x1.0 Deep 9.0	4-M6x1.0 Deep 9.0	4-M8x1.25 Deep 12.0	4-M10x1.5 Deep 15.0	4-M12x1.75 Deep18.0	4-M20x2.5 Deep 30.0
T1-2	4-M6x1.0 Deep 9.0	4-M8x1.25 Deep 12.0	4-M8x1.25 Deep 12.0	4-M10x1.5 Deep 15.0	4-M12x1.75 Deep18.0	4-M20x2.5 Deep30.0	8-M16x2 Deep 24.0
T1-3	4-M8x1.25 Deep 12.0	-	4-M10x1.5 Deep 15.0	4-M12x1.75 Deep 18.0	4-M20x2.5 Deep30.0	-	-
T2-1	4-M5x0.8 Deep 8.0	4-M5x0.8 Deep 8.0	4-M10x1.5 Deep 15.0	4-M10x1.5 Deep 15.0	4-M10x1.5 Deep 15.0	4-M12x1.75 Deep18.0	4-M20x2.5 Deep 30.0
T2-2	-	4-M10x1.5 Deep 15.0	-	4-M12x1.75 Deep 18.0	4-M12x1.75 Deep 18.0	4-M20x2.5 Deep30.0	8-M16x2 Deep 24.0
T2-3	-	-	-	-	4-M20x2.5 Deep30.0	-	-

Standard Issued Drive Insert (V measurements reflect valve stem. Inserts subsequently made with appropriate tolerance for valve stem interface)

V	11.0	14.0	17.0	22.0	27.0	36.0	46.0
V1 Ø	14.3	19.7	23.9	30.8	37.1	49.1	64.0
H Ø	22.0	25.8	32.5	44.0	60.0	78.0	95.0
M	14.0	16.5	21.0	26.0	34.0	43.5	55.5

Shaft

Y1	16.0	19.0	24.0	29.5	38.0	48.0	62.5
D Ø	27.0	34.0	40.5	54.3	71.5	92.0	119.9

Direct Mount Shaft

X1 Ø	13.0	16.0	21.0	28.7	35.5	43.0	57.5
Y3	18.0	21.3	26.6	32.0	40.8	52.0	67.0
Y4	26.5	34.3	42.6	52.5	77.8	89.0	109.0
W1	2.0	2.3	2.6	2.5	2.8	4.0	4.5

Semi-Direct Mount Shaft

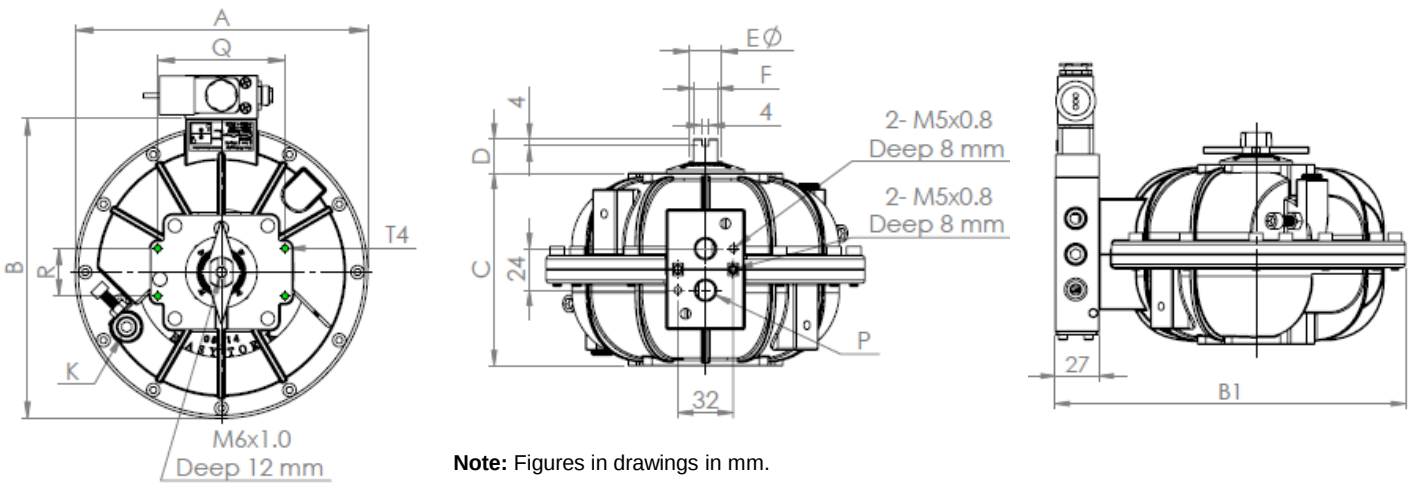
G	25.4	38.1	38.1	44.5	44.5	50.8	76.2
X Ø	18.1	22.1	28.1	36.1	52.0	68.0	C/F
Y2	33.4	40.4	56.5	60.0	65.0	70.0	C/F

Custom Drive Insert (Maximum dimension on insert allowed)

MAX.X Ø	18.1	22.1	28.1	36.1	52.0	68.0	78.0
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EVA and Auxiliary Interface Dimensions

Note: Individual model specs downloadable online



Note: Figures in drawings in mm.

Imperial

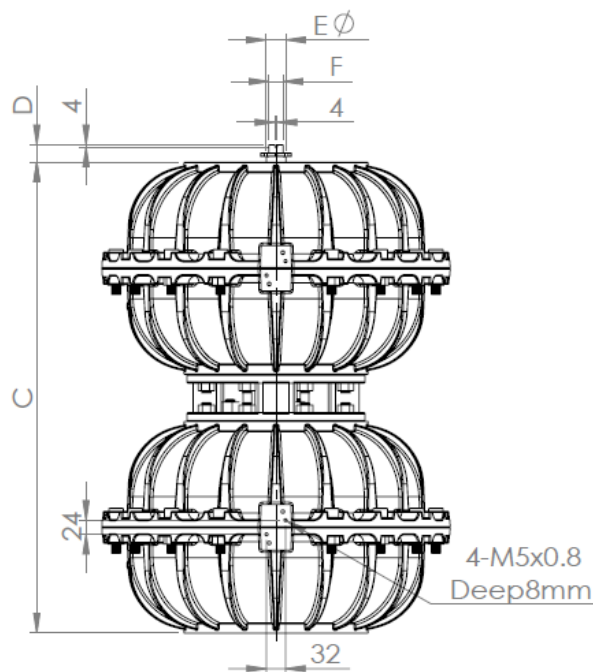
Dimensions (inch)	Model						
	EVA-0411	EVA-0514	EVA-0717	EVA-1022	EVA-1227	EVA-1436	EVA-1646
Actuator Dimensions							
A	6.02	7.24	9.41	11.61	15.20	18.50	23.03
B	6.22	7.44	9.61	11.81	15.31	18.70	23.21
B1	7.28	8.50	10.67	12.87	16.38	19.76	24.27
C	3.62	4.41	5.71	7.17	9.37	11.26	14.08
F	0.55	0.55	0.55	0.94	0.94	0.94	0.94
E Ø	0.75	0.75	0.75	1.30	1.30	1.30	1.30
P	1/8-27NPT	1/4-18NPT	1/4-18NPT	1/4-18NPT	1/4-18NPT	1/4-18NPT	
K		1/4-18NPT	1/4-18NPT	1/4-18NPT	3/8-18NPT	3/8-18NPT	3/8-18NPT
Standard Stop Bolt & Nut	M5x30mm	M6x35mm	M8x45mm	M8x50mm	M12x60mm	M12x70mm	M16x100mm
Actuator Dimensions of Accessories Flange							
D	0.79	0.79	0.79	1.18	1.18	1.18	1.18
R	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Q	3.15	3.15	3.15	3.15	5.12	5.12	5.12
T4	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31	4x10-24UNC Deep 0.31

Metric

Dimensions (mm)	Model						
	EVA-0411	EVA-0514	EVA-0717	EVA-1022	EVA-1227	EVA-1436	EVA-1646
Actuator Dimensions							
A	153	184	239	295	386	470	585
B	158	189	244	300	389	475	590
B1	185	216	271	327	416	502	617
C	92	112	145	182	238	286	358
F	14	14	14	24	24	24	24
E Ø	19	19	19	33	33	33	33
P	1/8-28 BSPP	1/4-19 BSPP	1/4-19 BSPP	1/4-19 BSPP	1/4-19 BSPP	1/4-19 BSPP	
K		1/4-19 BSPP	1/4-19 BSPP	1/4-19 BSPP	3/8-19 BSPP	3/8-19 BSPP	3/8-19 BSPP
Standard Stop Bolt & Nut	M5x30mm	M6x35mm	M8x45mm	M8x50mm	M12x60mm	M12x70mm	M16x100mm
Actuator Dimensions of Accessories Flange							
D	20	20	20	30	30	30	30
R	30	30	30	30	30	30	30
Q	80	80	80	80	130	130	130
T4	4-M5x0.8 Deep 8	4-M5x0.8 Deep 8	4-M5x0.8 Deep 8	4-M5x0.8 Deep 8	4-M5x0.8 Deep 8	4-M5x0.8 Deep 8	4-M5x0.8 Deep 8

Dual-stack

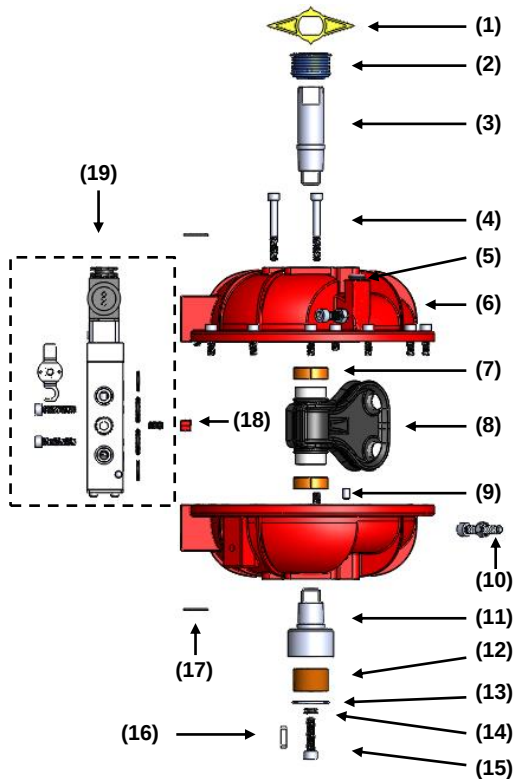
EVA's can be dual-stacked to achieve increased torque output.



Note: Figures in drawings in mm.

Model		
Dimensions	EVA-1646 Dual-Stack	
Actuator Dimensions	Metric (mm)	Imperial (inch)
A	587	23.12
B	592	23.31
B1	619	24.37
C	803	31.62
F	24	0.94
E Ø	33	1.30
P	-	
K	3/8-19 BSPP	3/8-18NPT
Standard Stop Bolt & Nut	M16x100mm	M16x100mm
Actuator Dimensions of Accessories Flange		
D	30	1.18
R	30	1.18
Q	130	5.12
T4	4-M5x0.8 Deep 8	4x10-24UNC Deep 0.31

EVA Bill of Material



Ref No	Description	Standard Version	Quantity
1	Yellow position & degree indicator	NBR	1
2	Blue graduated ring	NBR	1
3	Upper shaft	Nickel-plated steel	1
4	Connecting bolt & nut	Stainless steel	1 lot
5	Plug	Nickel-plated steel	1 lot
6	Housing	Aluminum A383 / epoxy external finish	2
7	Vane / shaft bearing	PTFE lined steel baked bronze bushing	2
8	Vane / shaft assembly*	Stainless Steel or NPS bonded with modified CR	1
9	Location pin	Mild steel	2
10	Stopper bolt and nut set	Stainless steel	2
11	Lower shaft	Nickel-plated steel	1
12	Drive insert lower	Nickel-plated steel	1
13	Drive insert circlip	Nickel-plated steel	1
14	Belleville washer	High tensile steel	2
15	Shaft connect bolt	Stainless steel	1
16	Drive insert key	Keysteel	1
17	Tag plate*	Stainless steel	1
18	Locator insert*	Plastic	2
19	Main solenoid valve	(See ESV for details)	1

* Items marked with an asterisk are included in repair kit.

EVA Ordering Codes

Prefix	Product Type	Model Number	Actuator Attributes			Valve Interface Installed With Actuator		
			Thread	EVA Material (Corrosion Rating)	Seal (Temp. Rating)	Low er Shaft Type	Drive Insert Type	Drive Insert Size
C	-	A	-	X	-	X	X	X
C: Complete product	A: Actuator	1: EVA-0309	1: Imperial	1: Standard version	1: Standard temp	1: Direct mount	1: Square drive	1: Standard size
		2: EVA-0411	2: Metric		(-20°C to 80°C or	(standard issuance)	(standard issuance)	(standard issuance)
		3: EVA-0514			-4°F to 176°F)	2: Semi-direct mount		
		4: EVA-0717						
		5: EVA-1022						
		6: EVA-1227						
		7: EVA-1436						
		8: EVA-1646						
		1T - 8T: Corresponding actuator's tandem version						

About

Easytork is the first and only actuation company to standardize the integration of actuators and air reservoirs. Our pneumatic rotary actuators with integrated air reservoirs reduce costs and inefficiencies associated with other fail-safe spring return actuators. Easytork products improve, simplify, and bring peace of mind to flow processes. We're a one-stop shop for everything above the valve.

Easytork has been awarded numerous awards including:
2013 – Arch Grants Recipient
2015 – Accelerate St. Louis
2017 – Frost & Sullivan New Product Innovation Award



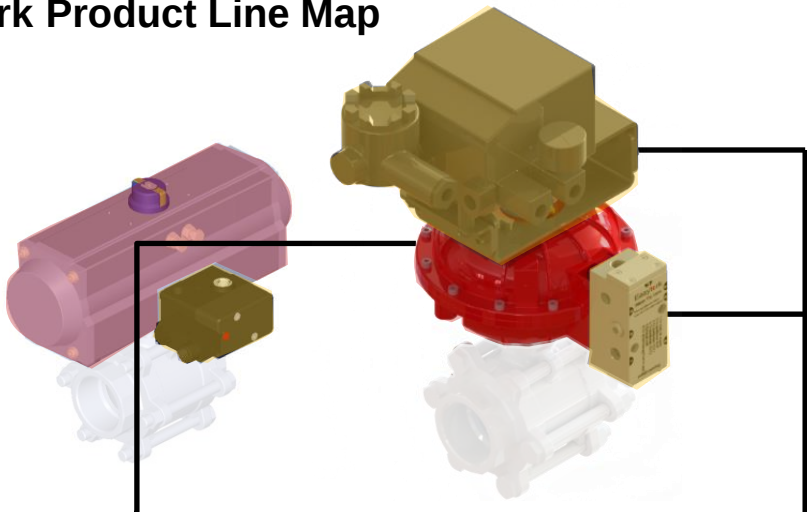
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Easytork Product Line Map



One-stop shop:
Everything above the
valve

Actuator

Control Accessories

AR & DA System					
	Vane w/ integrated AR EVA	Solenoid for AR actuators ESV	Pilot valve for AR + 3rd party solenoid EPV	Trip valve for AR + 3rd party positioner NTV	
	Rack & pinion w/ integrated AR ERPA				
SR & DA System					
	Actuator Type AR SR DA	Composite solenoid for actuators CSV			
		Lockout LPST		Declutchable gearbox EGO	
		Limit switch		Positioner	
AR, SR & DA System					