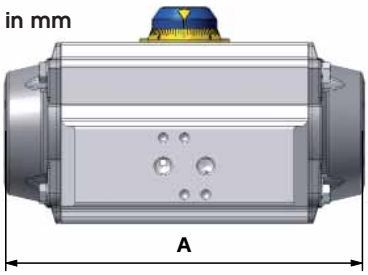
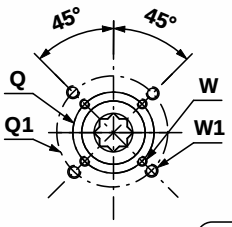
EDITION 2010
Actuators 120°, 135° a. 180°
DR00015U - 04000U

AIR TORQUE
PNEUMATISCHE STELLANTRIEBE

Design: DOUBLE ACTING

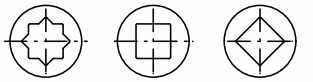
Dimensions in mm

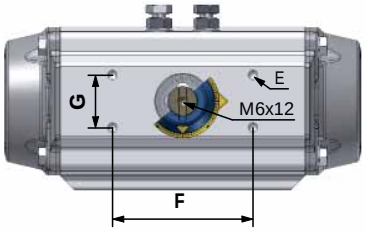




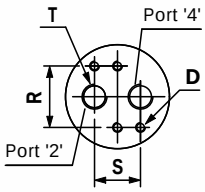
Bottom View ISO 5211

Position of Square
Actuator position CLOSE (0°)



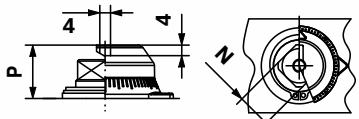


Air connection VDI/VDE 3845

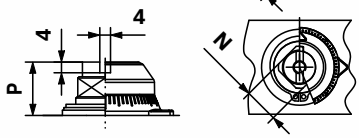


Square drive shaft top

for type
DR00015U
-
DR00030U



for type
DR00060U
-
DR04000U



Actuator	Type	A	B	C	D	F	G	N	P	R	S	T - ISO 228	Z1	Q	Q1	W	W1	*ISO Flange	ca. Weight in kg
DR00012U	120°	153	69	72	M5x8	80	30	11	20	32	24	1/8"	42	42	-	M5	-	F04	1,24
DR00013U	135°	165																	1,4
DR00018U	180°	192																	1,57
DR00032U	120°	172	85	84,5	M5x8	80	30	11	20	32	24	1/8"	42	50	70	M6	M8	F05 + F07	2,03
DR00033U	135°	185																	2,26
DR00038U	180°	216																	2,52
DR00062U	120°	229	102	93	M5x8	80	30	17	20	32	24	1/8"	42	50	70	M6	M8	F05 + F07	3,29
DR00063U	135°	247																	3,82
DR00068U	180°	291																	4,28
DR00102U	120°	264	115	106	M5x8	80	30	17	20	32	24	1/8"	42	50	70	M6	M8	F05 + F07	4,55
DR00108U	180°	335																	5,93
DR00152U	120°	292	127	118,5	M5x8	80	30	17	20	32	24	1/4"	42	70	102	M8	M10	F07 + F10	6,31
DR00153U	135°	316																	7,05
DR00158U	180°	372																	7,75
DR00222U	120°	345	145	136	M5x8	80	30	27	30	32	24	1/4"	58	70	102	M8	M10	F07 + F10	10,1
DR00223U	135°	374																	11,4
DR00228U	180°	443																	12,6
DR00302U	120°	377	157	146,5	M5x8	80	30	27	30	32	24	1/4"	58	70	102	M8	M10	F07 + F10	12,1
DR00303U	135°	408																	13,6
DR00308U	180°	483																	15,2
DR00602U	120°	478	196	181	M5x8	80	30	27	30	32	24	1/4"	67,5	102	125	M10	M12	F10 + F12	23,8
DR00603U	135°	517																	26,7
DR00608U	180°	611																	29,1
DR01202U	120°	594	245	221,5	M5x8	130	30	36	50	32	24	1/4"	80	140	-	M16	-	F14	43,5
DR01203U	135°	641																	48,2
DR01208U	180°	754																	52,6
DR02002U	120°	/	298,5	262	M6X10	130	30	36	50	45	40	3/8"	115	165	-	M20	-	F16	/
DR02008U	180°	867																	106
DR03002U	120°	/	330	330	M6X10	130	30	36	50	45	40	1/2"	115	165	-	M20	-	F16	/
DR03008U	180°	1023																	127
DR04002U	120°	/																	/
DR04008U	180°	/																	/

Dimensions in mm; *other connections available

Specification:

Max. supply pressure: 8 bar
Operating pressure: 2,5 - 8 bar
other dimensions: see standard data sheet
Material: see data sheet 120°-135°-180° actuators

Torque: With the same operating pressure the torque is equivalent to the standard actuator. See data sheet of standard actuator.
Working Medium: refer to AIR TORQUE manual instruction.

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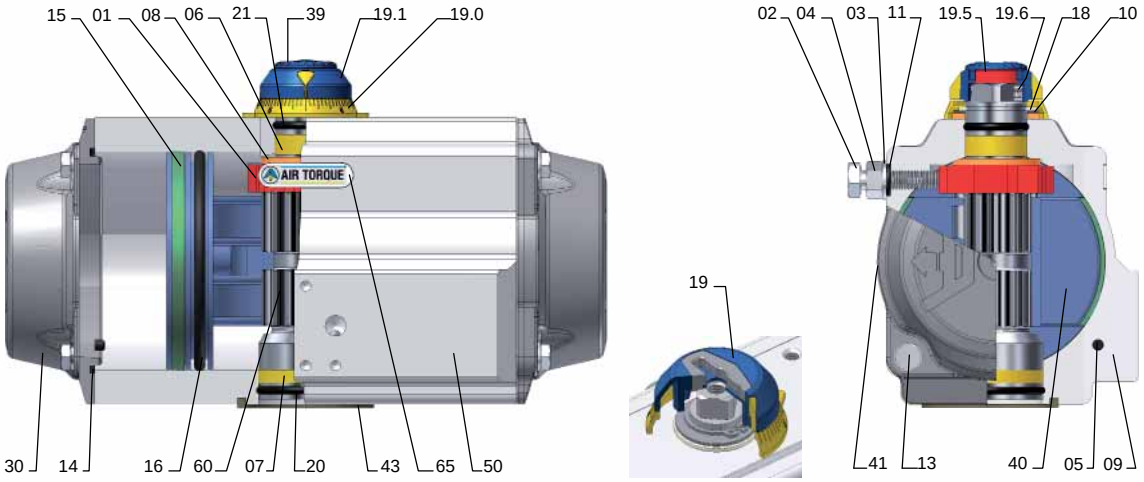
EDITION 2010
Actuators 120°, 135° a. 180°
DR00015U - 04000U

AIR TORQUE
PNEUMATISCHE STELLANTRIEBE

Design: DOUBLE ACTING



Part No.	Spare Parts	Quantity / Note		Description	Standard Material (A) (B)
01		1		Octi-Cam (Stop arrangement)	Carbon Steel, zinc coated
02		2		Stop Cap Screw	Stainless Steel
03		2		Washer	Stainless Steel
04		2		Nut (Stop screw)	Stainless Steel
05	○	**2**		**Bearing (Piston back)**	PA46
06	○	**1**		**Bearing (Pinion top)**	High-grade polymers
07	○	**1**		**Bearing (Pinion bottom)**	High-grade polymers
08	○	**2**	3 pcs. for model DR00600U	**Thrust Bearing (Pinion)**	PA46
09	○ □	**2**		**Plug**	Silicone
10		1		Thrust Washer (Pinion)	Stainless Steel
11	○ □	**2**		**O-Ring (Stop screw)**	M-NBR
13		8		Cap Screw (End cap)	Edelstahl
14	○ □	**2**		**O-Ring (End cap)**	M-NBR
15	○	**2**		**Bearing (Piston head)**	POM
16	○ □	**2**		**O-Ring (Piston)**	M-NBR
18		1		Spring Clip (Pinion)	Spring Steel, ENP
19		1	for types DR00015U - 00030U	Position Indicator	PA66+GF+(CB)
19.0		1		Graduated Ring	PA66+GF+CB
19.1		1	for types DR00060U - 04000U	Position Indicator	PA66+GF+(CB)
19.5		1		Top Adaptor	Extruded Aluminium alloy, anodized
19.6		2		Hex. Socket Screw (Top Adaptor)	Stainless Steel
20	○ □	**1**		**O-Ring (Pinion bottom)**	M-NBR
21	○ □	**1**		**O-Ring (Pinion top)**	M-NBR
30		2		End Cap	Pressure Die Cast Aluminium alloy, anod. a. coated
39		1		Cap Screw (Indicator)	PA66+GF+CB
40		2		Piston	Pressure Die Cast Aluminium alloy, anodized
41		1		Identification Label	Polyester-Silver
43		1		Spigot (only on request)	Extruded Aluminium alloy, anodized
50		1		Body	Extruded Aluminium alloy, coated
60		1		Drive Shaft	Steel, ENP
60.1		1	only for protection „E" a. „EC"	Integral Drive Shaft	Stainless Steel, ENP
65		1		Plastic Insert	Modified PA66

○ included in spare part kit □ included in O-Ring spare part kit

Note: (A) For detail of material end coating specifications refer to the catalogue.
(B) For different soft parts material depending on operation temperature range refer to the catalogue.

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