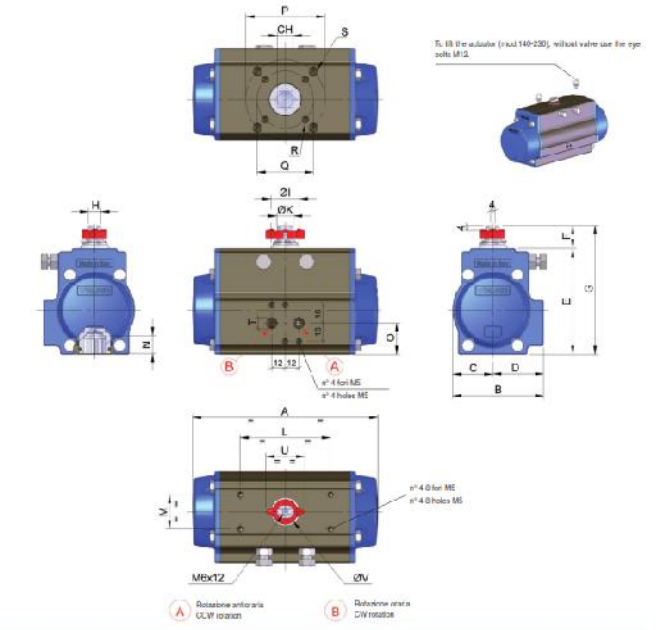
SERIES	ACTUATOR	ATEX
82	160	Ex II 2 G/D c T6



TORQUE chart (Nm)

SR	spring torque		air supply pressure (bar)															
			2.5		3		4		5		5.5		6		7		8	
spring set	ETC	BTC	BTO	ETO	BTO	ETO	BTO	ETO	BTO	ETO	BTO	ETO	BTO	ETO	BTO	ETO	BTO	ETO
01	83	131	199	148	256	205	-	-	-	-	-	-	-	-	-	-	-	-
02	119	188	-	-	218	145	332	259	-	-	-	-	-	-	-	-	-	-
03	143	225	-	-	193	105	307	219	422	334	-	-	-	-	-	-	-	-
04	185	292	-	-	-	-	262	148	377	263	434	320	-	-	-	-	-	-
05	202	319	-	-	-	-	-	-	358	235	415	292	473	350	-	-	-	-
06	268	423	-	-	-	-	-	-	-	-	346	181	404	239	518	353	633	468
DA	-		air supply pressure (bar)															
			2.5		3		4		5		5.5		6		7		8	
	-	-	287		344		458		573		630		688		802		917	

WORKING TIME chart (seconds)

rotation	CCW	CW
DA	1,43	1,25
SR	2,27	1,60

AIR CONSUMPTION chart (1 liter = 1000 cm3)

rotation	CCW	CW
DA	3,61	5,02
SR	3,61	-

WEIGHT chart (Kgs)

DA	21,75
SR	29,50

GENERAL DATA	ISO5211	CH	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	Q	R	S	T	U	V	slot 1	slot 2
	F10-F12	27	500	186	87	99	221	30	251	30	57	40	80/130	30	32	80	125	102	M10x14	M12x17	1/4"	80,5	60	4x4	M6x12

temperature -20°C +85°C					DA	SR set 06
	item	description	material	treatment	qty	qty
	1	body	extruded aluminium	hard-anodized	1	1
	2	pinion (anti blow-out design)	steel	nickel plated	1	1
*	3	oring	NBR		1	1
*	4	spacer ring	POM		1	1
*	5	oring	NBR		1	1
*	6	oring	NBR		1	1
	7	cam	stainless steel		1	1
	8	cam spacer ring	POM		1	1
*	9	pinion spacer ring	POM		1	1
	10	washer	stainless steel		1	1
	11	seeger	steel DIN471-UNI-7436	nickel plated	1	1
	12	piston	die casted aluminium		2	2
*	13	oring	NBR		2	2
*	14	antifriction ring	POM		2	2
*	15	thrust block (PILL shape)	POM		4	4
	16	stop bolt nut	stainless steel		2	2
	17	stop bolt	stainless steel		2	2
	18	external spring	steel	painted	-	2
	19	central spring	steel	painted	-	2
	20	internal spring	steel	painted	-	2
	21	left side end cap	die casted aluminium	painted	1	1
	22	right side end cap	die casted aluminium	painted	1	1
	23	end caps seat	NBR		2	2
	24	oring	NBR		2	2
	25	end cap fixing screws	stainless steel		8	8
	26	position indicator	thermoplastic rubber TPE		1	1

* parts subject to wear

item 3,5,6,11,13,23,24 are parts included into "set of oring"

item 4,6,8,9,11,14,15 are parts included into "set of guide"

