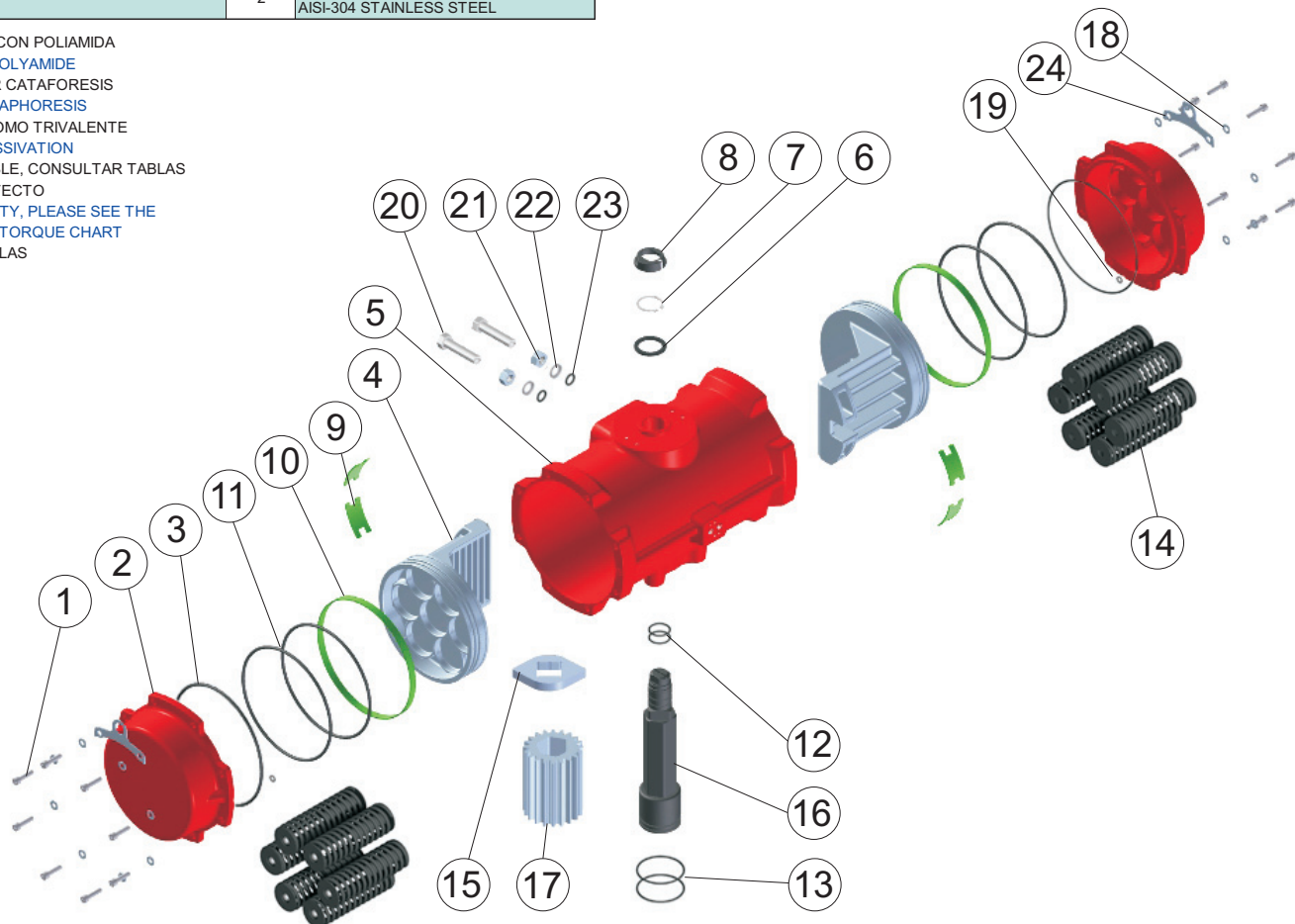


DESPIECE

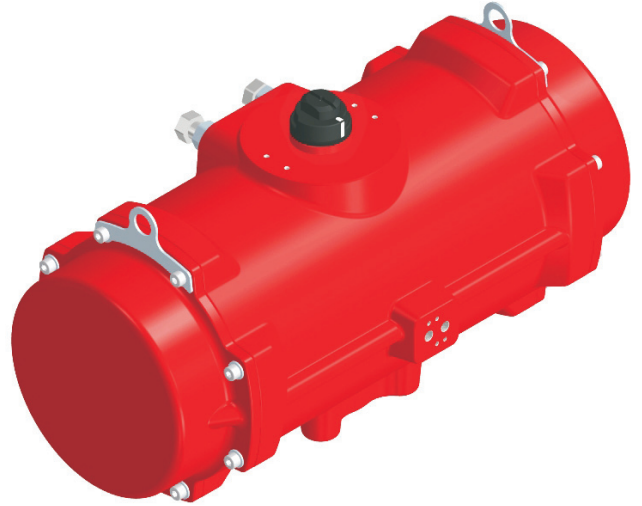
DISASSEMBLY

Nº	Descripción Description	Cant. Quant.	Material Material
1	TORNILLO ALLEN ALLEN SCREW	16	ACERO INOX. AISI-304 AISI-304 STAINLESS STEEL
2	TAPA CAP	2	ALEACIÓN ALUMINIO (2)+(1) ALUMINIUM ALLOY (2)+(1)
3	JUNTA TÓRICA TAPA CAP O-RING	2	N.B.R. N.B.R.
4	ÉMBOLO PISTON	2	ALEACIÓN ALUMINIO ALUMINIUM ALLOY
5	CILINDRO CYLINDER	1	ALEACIÓN ALUMINIO (2)+(1) ALUMINIUM ALLOY (2)+(1)
6	ARANDELA WASHER	1	POLIAMIDA 6 POLYAMIDE 6
7	ANILLO SEGURIDAD SPRING CLIP	1	ACERO (2) STEEL (2)
8	INDICADOR VISUAL POSITION INDICATOR	1	POLIAMIDA POLYAMIDE
9	GUÍA ÉMBOLO PISTON GUIDE	4	P.T.F.E + CARBONO P.T.F.E + CARBON
10	ANILLO GUÍA GUIDE RING	2	P.T.F.E + BRONCE P.T.F.E + BRONZE
11	JUNTA TÓRICA ÉMBOLO PISTON O-RING	4	N.B.R. N.B.R.
12	JUNTA TÓRICA EJE SHAFT O-RING	2	N.B.R. N.B.R.
13	JUNTA TÓRICA EJE SHAFT O-RING	2	N.B.R. N.B.R.
14	MUELLES PRECARGADOS PRELOADED SPRINGS	12	DIN-17223-C (2) (4) DIN-17223-C (2) (4)
15	LEVA CAM	1	ACERO, (2) STEEL, (2)
16	EJE SHAFT	1	ACERO (2) STEEL (2)
17	PINON GEAR	1	ALEACIÓN ALUMINIO (5) ALUMINIUM ALLOY (5)
18	ARANDELA WASHER	16	ACERO INOX. AISI-304 AISI-304 STAINLESS STEEL
19	JUNTA TÓRICA TAPA CAP O-RING	2	N.B.R. N.B.R.
20	TORNILLO EXÁGONAL EXAGONAL SCREW	2	ACERO (3) STEEL (3)
21	TUERCA NUT	2	ACERO INOX. AISI-304 AISI-304 STAINLESS STEEL
22	ARANDELA BUSHING	2	ACERO INOX. AISI-303 AISI-303 STAINLESS STEEL
23	JUNTA TÓRICA O-RING	2	N.B.R. N.B.R.
24	ARGOLLA HOOP	2	ACERO INOX. AISI-304 AISI-304 STAINLESS STEEL

- (1) RECUBRIMIENTO CON POLIAMIDA
COVERED WITH POLYAMIDE
(2) RECUBIERTO POR CATAFORESIS
COVERED BY CATAPHORESIS
(3) PASIVADO DE CROMO TRIVALENTE
PRIVELENT Cr PASSIVATION
(4) CANTIDAD VARIABLE, CONSULTAR TABLAS
PARES SIMPLE EFECTO
VARIABLE QUANTITY, PLEASE SEE THE
SPRING RETURN TORQUE CHART
(5) BRUÑIDO CON BOLAS
BALL BURNISHING



ACTUADOR NEUMÁTICO DE ALUMINIO ALUMINIUM PNEUMATIC ACTUATOR



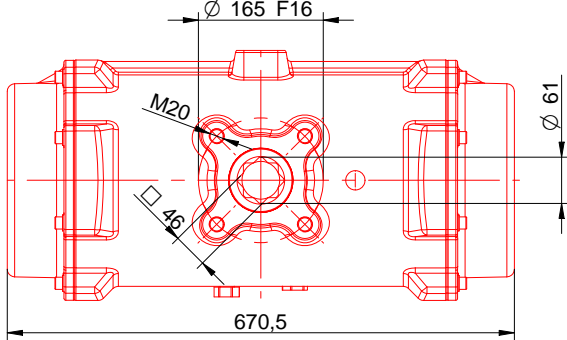
PA60: DOBLE EFECTO / **DOUBLE ACTING**

PA60S: SIMPLE EFECTO / **SPRING RETURN**

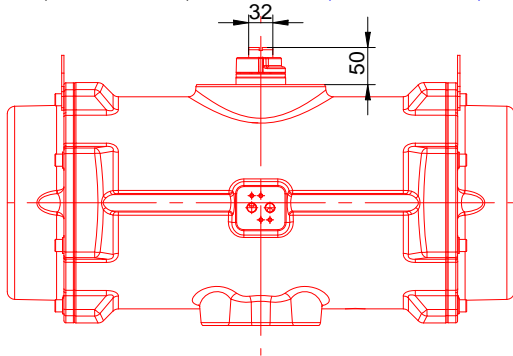
MODELOS MODELS	TIEMPO DE MANIOBRA EN SEG. CYCLE TIME IN SECS.		PESOS WEIGHTS		CAPACIDAD EN LITROS CAPACITY IN LITRES	
	PARA ABRIR TO OPEN	PARA CERRAR TO CLOSE	Kg.	Lb.	PARA ABRIR TO OPEN	PARA CERRAR TO CLOSE
PA60	4	4	48,3	106,48	19,5	20,7
PA60S	11	8	64,8	142,86	19,5	

Tiempo de maniobra sin par resistente a 6 bar
Cycle time w/o resistant torque at 6 bar

Dimensiones en mm
Dimensions in mm

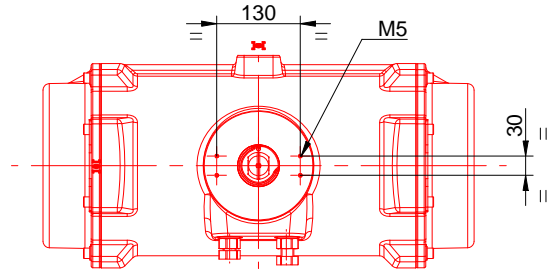


(SIMPLE EFECTO)
(DOBLE EFECTO) (SPRING RETURN)
(DOBLE ACTING)



Para calcular el consumo, multiplicar las cifras del cuadro por la presión real de trabajo

To calculate the consumption, multiply the above figures by the real working pressure



**PARES DOBLE EFECTO
DOUBLE ACTING TORQUES**

PA60	PRESION AIRE AIR PRESSURE							
	bar	3	4	5	5,5	6	7	8
p.s.i.	43,5	58,0	72,5	79,8	87	101,5	116	
Nm	1.638	2.245	2.851	3.155	3.458	4.065	4.672	
Lb. in	14.497	19.870	25.233	27.924	30.606	35.978	41.351	

**PARES SIMPLE EFECTO
SPRING RETURN TORQUES**

PA60S	PAR MUELLES		PAR AIRE A LA PRESION INDICADA														bar		
	SPRING TORQUES		AIR TORQUE AT INDICATED PRESSURE																
N	INICIAL INITIAL	FINAL END	3		4		5		5,5		6		7		8		p.s.i.		
			43,5	58	72,5	79,8	87	101,5	116	INICIAL INITIAL	FINAL END	INICIAL INITIAL	FINAL END	INICIAL INITIAL	FINAL END	INICIAL INITIAL		FINAL END	
6*	2.075	1.383							1.468	776	1.772	1.080	2.075	1.383	2.682	1.990	3.289	2.597	Nm
	18.365	12.241							12.993	6.868	15.683	9.559	18.365	12.241	23.738	17.613	29.110	22.985	Lb. in
5	1.729	1.153							1.698	1.122	2.002	1.426	2.305	1.729	2.912	2.336	3.519	2.943	Nm
	15.303	10.205							15.029	9.931	17.719	12.621	20.401	15.303	25.773	20.675	31.146	26.048	Lb. in
4	1.383	922			1.323	862	1.929	1.468	2.233	1.772	2.536	2.075	3.143	2.682	3.750	3.289		Nm	
	12.241	8.160			11.710	7.629	17.073	12.993	19.764	15.683	22.445	18.365	27.818	23.738	33.190	29.110		Lb. in	
3	1.037	692	946	601	1.553	1.208	2.159	1.814	2.463	2.118	2.766	2.421	3.373	3.028				Nm	
	9.178	6.125	8.373	5.319	13.745	10.692	19.109	16.055	21.799	18.746	24.481	21.428	29.854	26.800				Lb. in	
2	692	462	1.176	946	1.783	1.553	2.389	2.159	2.693	2.463	2.996	2.766						Nm	
	6.125	4.089	10.408	8.373	15.781	13.745	21.144	19.109	23.835	21.799	26.517	24.481						Lb. in	

N: Número de muelles por banda
Number of springs per side

* Número de muelles estándar
* Standard number of springs

