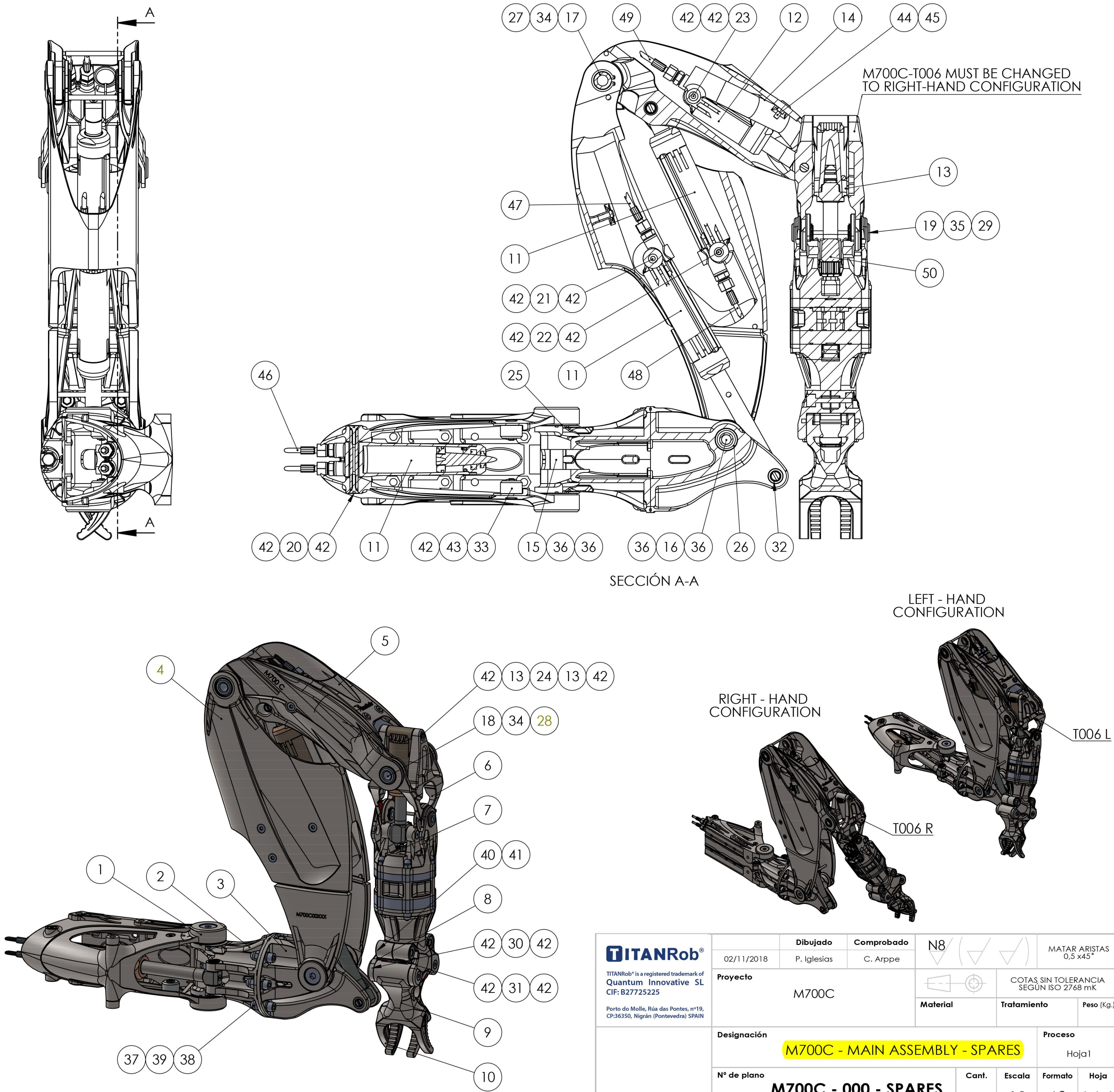
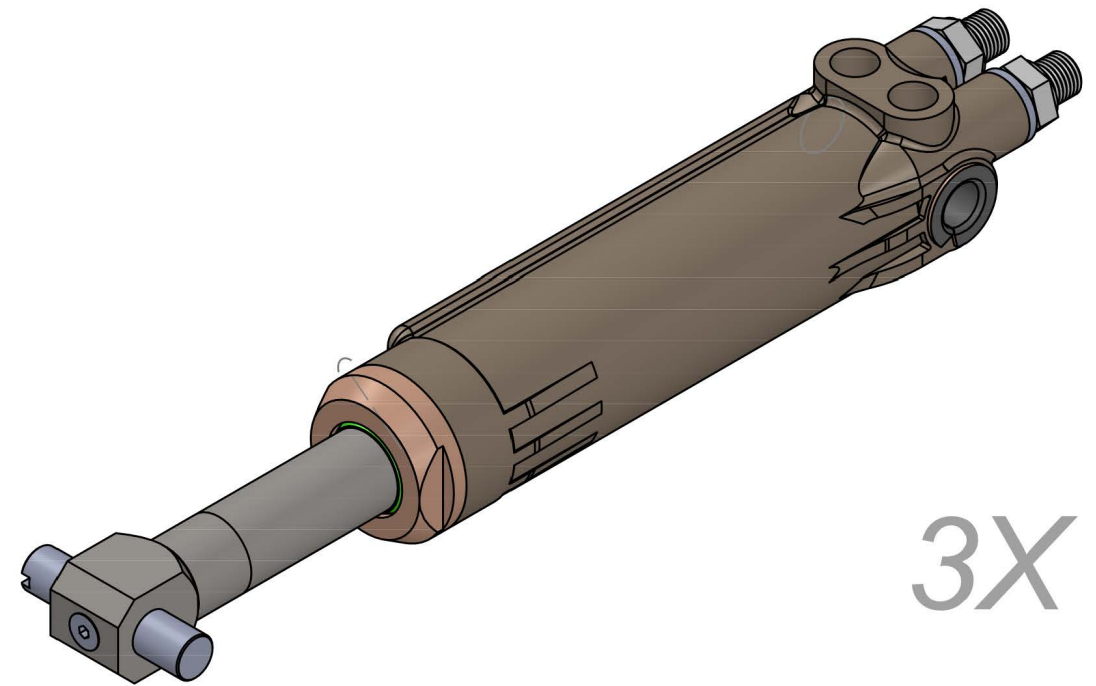
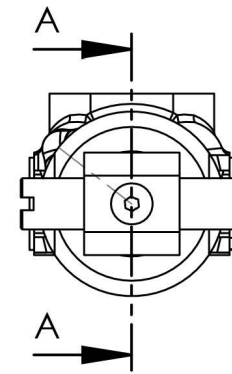
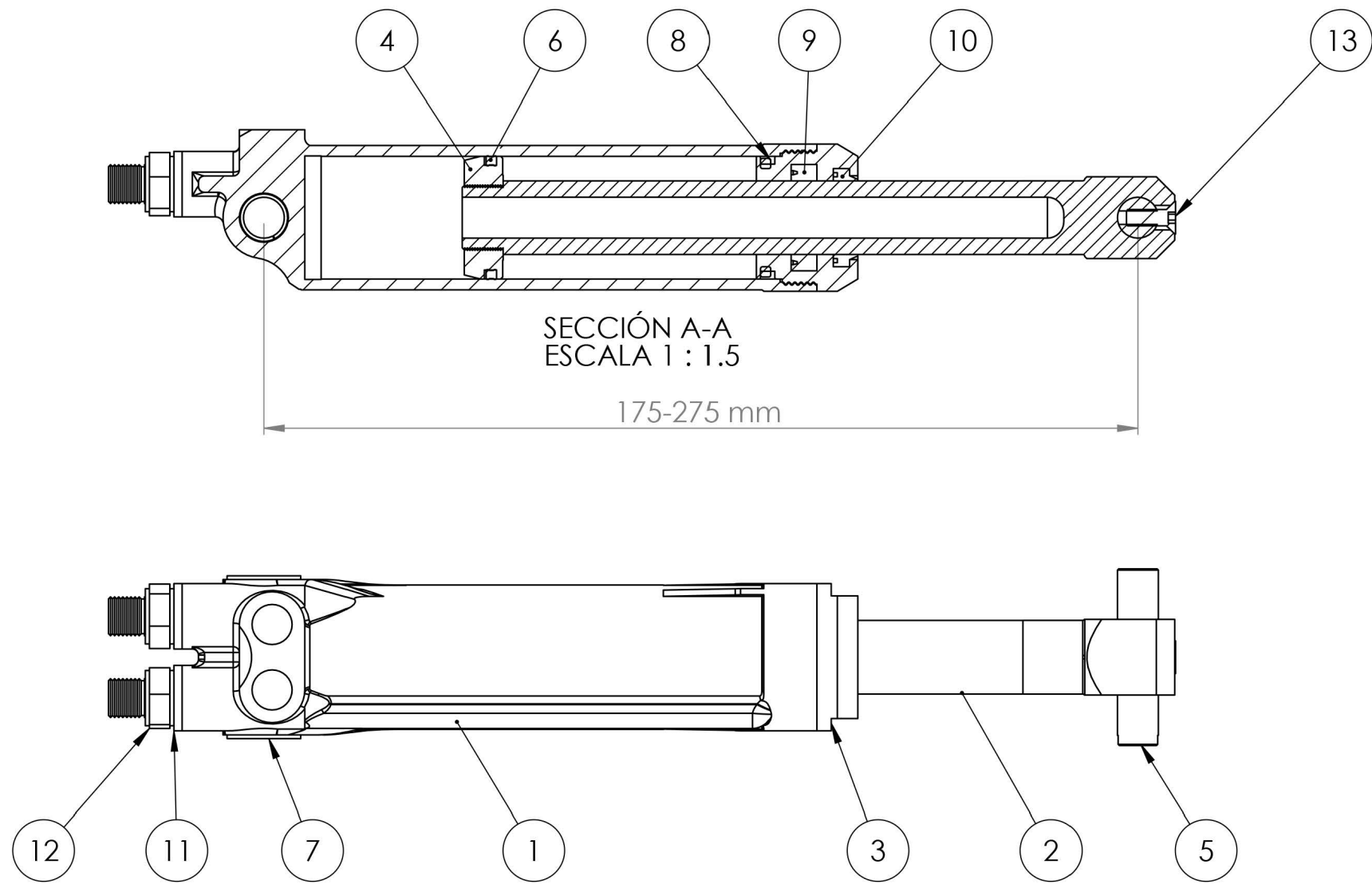


ITEM	REF.	DESCRIPTION	QTY.
1	3053.14.000-001-R01	SUPPORTING BASE	
2	M700C - T002	YAW FLANGE	
3	M700C - T003	PITCH FLANGE	
4	M700C - T004	UPPER ARM	
5	M700C - T005	FOREARM	
6	M700C - T006 L	WRIST PITCH FLANGE - L	
7	M700C - 400	JAW ACTUATOR ASSY.	
8	M700C - T011	JAW BODY	
9	M700C - T012	INT JAW	
10	M700C - T013	EXT JAW	
11	3053.14.000-100	CYLINDER MAIN ASSY.	
12	M700C - 200	WRIST PITCH CYLINDER	
13	M700C - 300	WRIST YAW CYLINDER	
14	M700C - P002	HOSE GUIDE	
15	3053.14.000-206-R02	YAW SHAFT	
16	M700C - SS002	SHOULDER PITCH SHAFT	
17	M700C - SS003	ELBOW PITCH PIVOT	
18	M700C - SS004	SHAFT WRIST PITCH SHAFT	
19	M700C - SS005	WRIST YAW SHAFT	
20	3053.14.000-203	SHAFT CYL. Nº1	
21	M700C - SS006	SHAFT CYL. Nº 2	
22	M700C - SS007	SAFT CYL. Nº3	
23	M700C - T017	SHAFT CYL. Nº4	
24	M700C - SS008	SHAFT CYL. Nº5	
25	M700C - B001	BRONZE BUSH Nº1	
26	M700C - B002	BRONZE BUSH Nº2	
27	M700C - B003	BRONZE BUSH Nº3	
28	M700C - B004	BRONZE BUSH Nº4	
29	M700C - B005	BRONZE BUSH Nº5	
30	3054.14.000-203	WIDE JAW SHAFT	
31	3054.14.000-202	NARROW JAW SHAFT	
32	673.152	CUSHION DUB 10-12-18-12	6
33	3053.14.000-304	ANODE Ø24	4
34	DIN 471 D20	CIRCLIP Ø20 INOX	2
35	DIN 471 D16	CIRCLIP Ø16 INOX	2
36	DIN 7991 M12x20	COUNTERSUNK BOLT M12x20	
37	DIN 912 M8x20	BOLT M8x20	
38	DIN 1587 M8	ACORN NUT M8	
39	DIN 127 M8	LOCK WASHER M8	
40	DIN 912 M10x40	BOLT M10x40	
41	DIN 934 M10	NUT DIN 934 M10	
42	DIN 7991 M6x20	COUNTERSUNK BOLT M6x20	
43	DIN 934 M6	NUT DIN 934 M6	
44	DIN 7991 M5X16	COUNTERSUNK BOLT M5x16	
45	DIN 934 M5	NUT DIN 934 M5	
46	HOSE 1160 mm GAS - JIC	M700C YAW HOSE	
47	HOSE 2000 mm GAS - JIC	M700C PITCH HOSE	
48	HOSE 1750 mm - GAS - JIC	M700C FOREARM PITCH HOSE	
49	HOSE 2150 mm GAS - JIC	M700C WRIST PITCH HOSE	1
50	HOSE 2520 mm M6 - JIC	M700C WRIST END HOSE	1



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	Proyecto M700C			COTAS SIN TOLERANCIA SEGÚN ISO 2768 mK
	Designación M700C - 000 - SPARES		Material	Tratamiento Peso (Kg.)
	Nº de plano M700C - 000 - SPARES		Proceso Hoja1	Formato A2 1 de 1

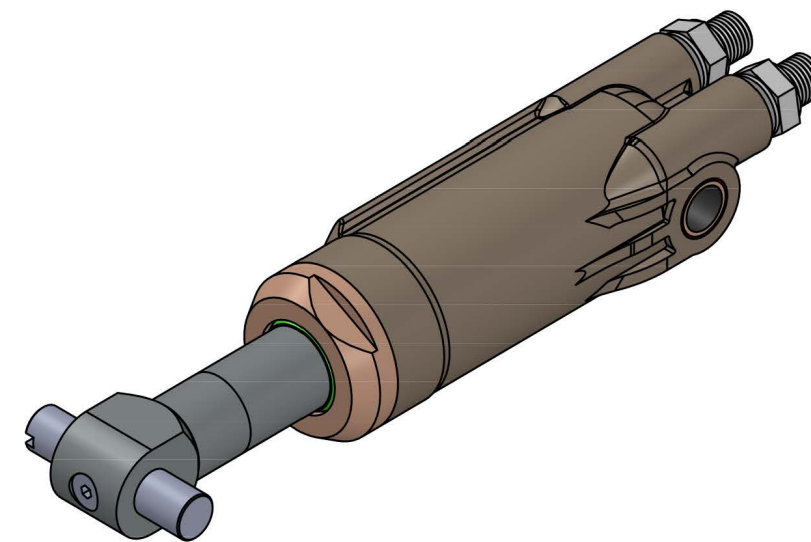
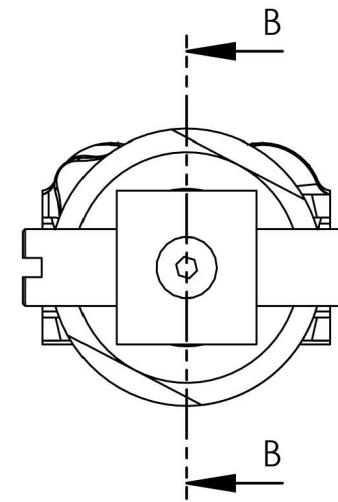
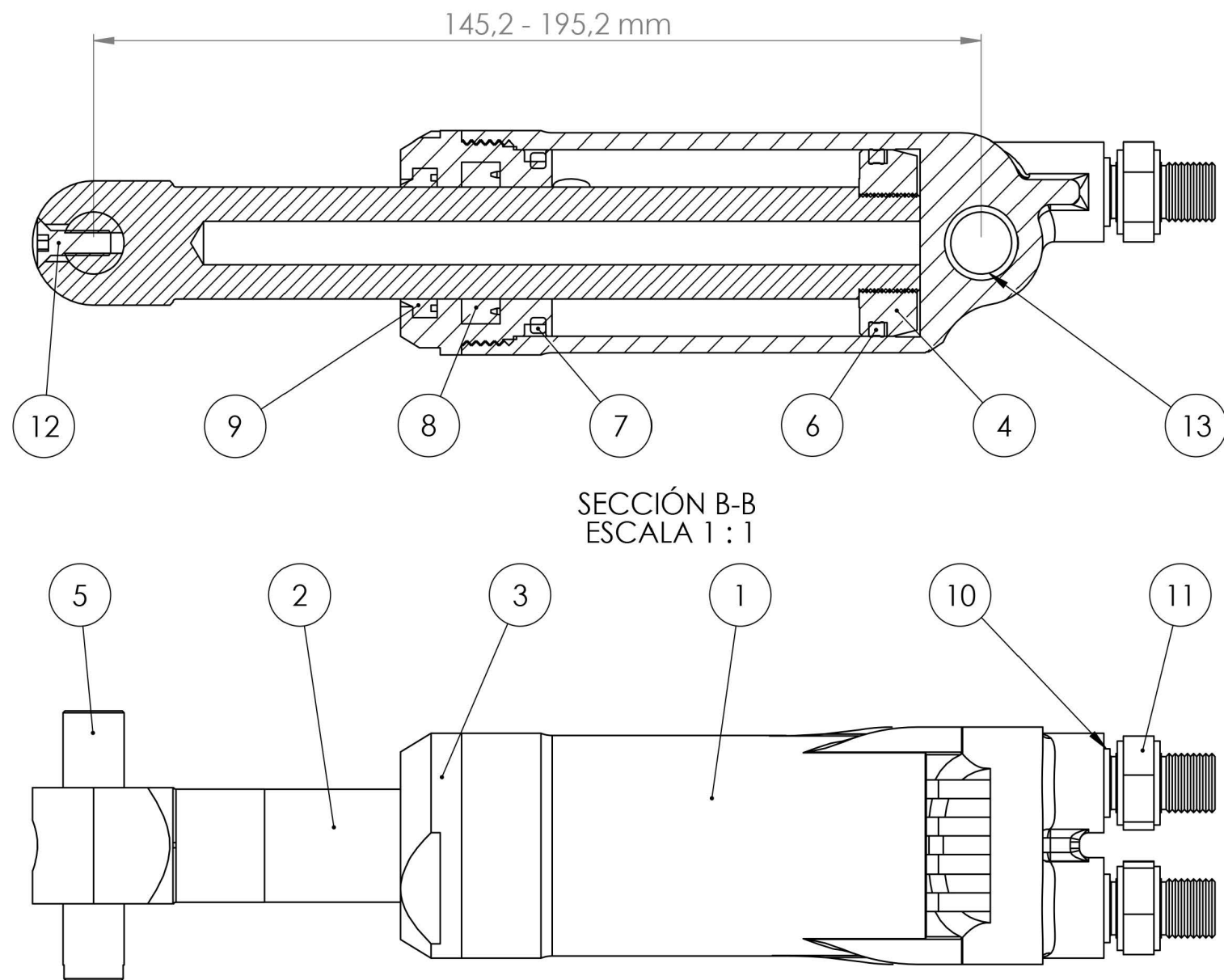
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ITEM	REF.	DESCRIPTION	QTY.
1	3053.14.000-010-R01	CYLINDER BODY Ø30X100	
2	M700C - T018	PISTON ROD	
3	3053.14.000-107-R01	CYLINDER HEAD	
4	3053.14.000-108-R02	PISTON	
5	3053.14.000-202-R02	ROD PIN	
6	3053.14.000-310	SEAL PU88 Ø30 GREEN	3
7	673.152	CUSHION DUB 10-12-18-12	6
8	472.147	RING 24x2,5 RED	3
9	640.300	ROD SEAL Ø18	3
10	337.847	WIPER SEAL PU11 18x24x4	3
11	C-XAM480002	BONDED WASHER G1/8" INOX	6
12	C-XRC60180202	FITTING BSPP 1/8" M-M INOX	1
13	DIN 7991 M4x12 A4	COUNTERSUNK BOLT M4X12	1

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	Proyecto M700C				COTAS SIN TOLERANCIA SEGÚN ISO 2768 mK
	Material Titanium 64			Tratamiento	Peso (Kg.) 0.50
	Designación CYLINDER MAIN ASSY. - SPARES			Proceso Hoja1	
Cliente	Nº de plano M700C - 100 - SPARES			Cant. -	Escala 1:2
				Formato A3	Hoja 1 de 1

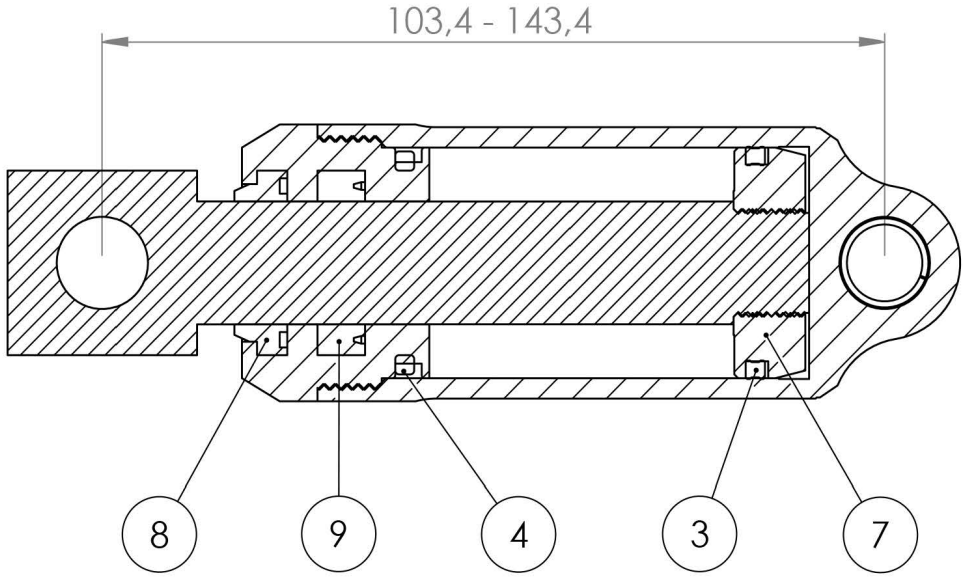
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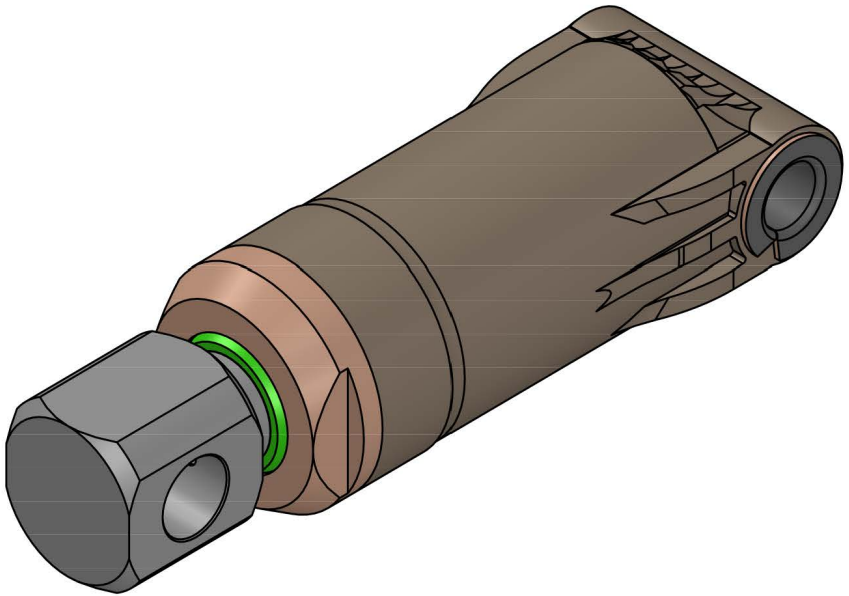
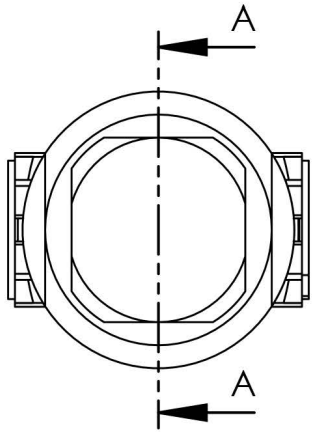
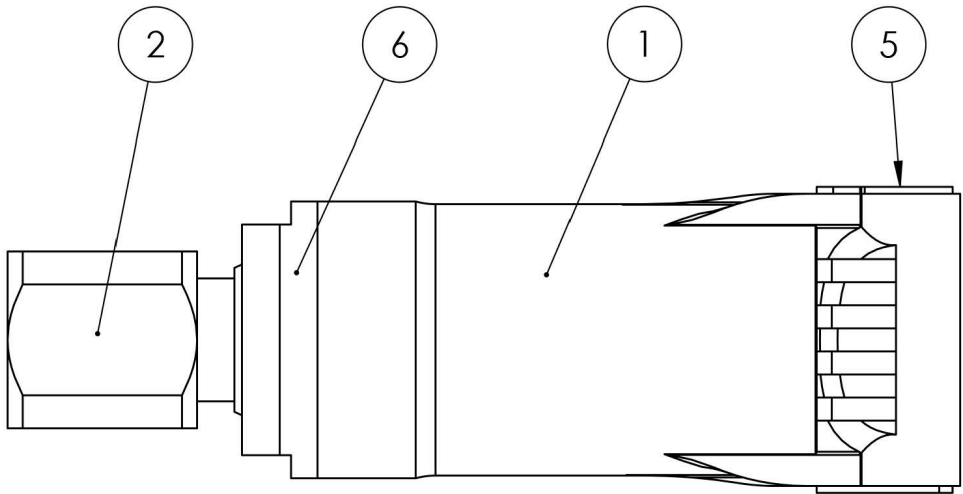
ITEM	REF.	DESCRIPTION	QTY.
1	M700C - T014	CYLINDER BODY Ø30X50	
2	M700C - SS012	PISTON ROD	
3	3053.14.000-107-R01	CYLINDER HEAD	
4	3053.14.000-108-R02	PISTON	
5	3053.14.000-202-R02	ROD PIN	
6	3053.14.000-310	SEAL PU88 Ø30 GREEN	1
7	472.147	RING 24x2,5 RED	1
8	640.300	ROD SEAL Ø18	1
9	337.847	WIPER SEAL PU11 18x24x4	1
10	CXAM480002	BONDED WASHER 1/8" INOX	1
11	C-XRC60180202	FITTING BSPP 1/8" M-M INOX	1
12	DIN 7991 M4x12 A4	COUNTERSUNK BOLT M4X12	1
13	594.341	CUSHION DUB 10-12-10	2

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	08/11/2018	P. Iglesias					
	Proyecto M700C					COTAS SIN TOLERANCIA SEGÚN ISO 2768 mK	
				Material Titanium 64	Tratamiento	Peso (Kg.) 0.47	
	Cliente	Designación WRIST PITCH CYLINDER - SPARES					Proceso Hoja1
Nº de plano M700C - 200 - SPARES				Cant. -	Escala 1:2	Formato A3	Hoja 1 de 1

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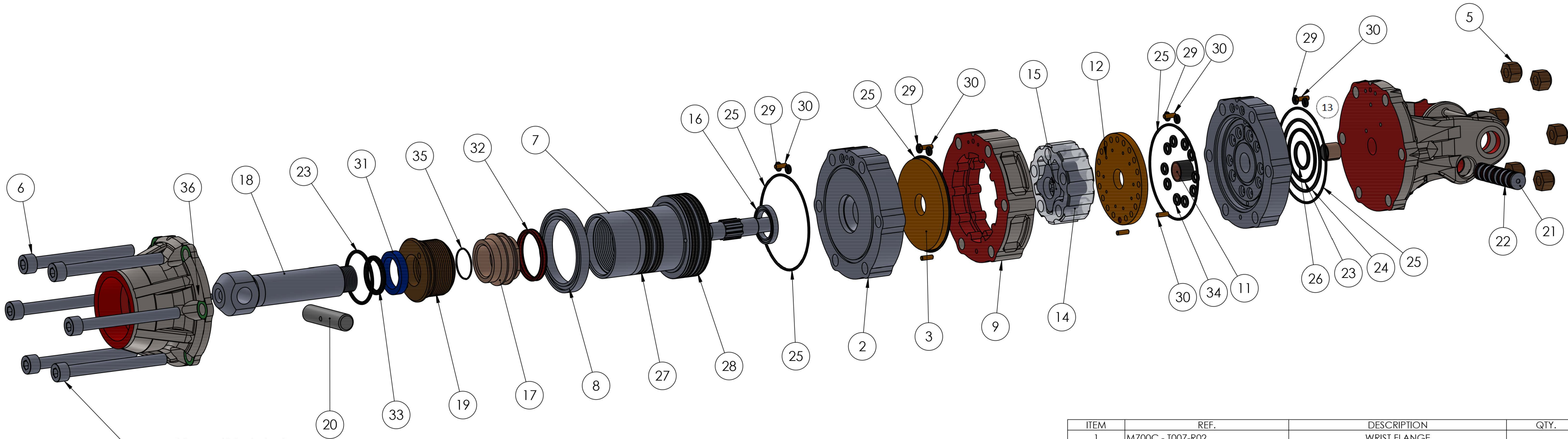


SECCIÓN A-A
ESCALA 1 : 1

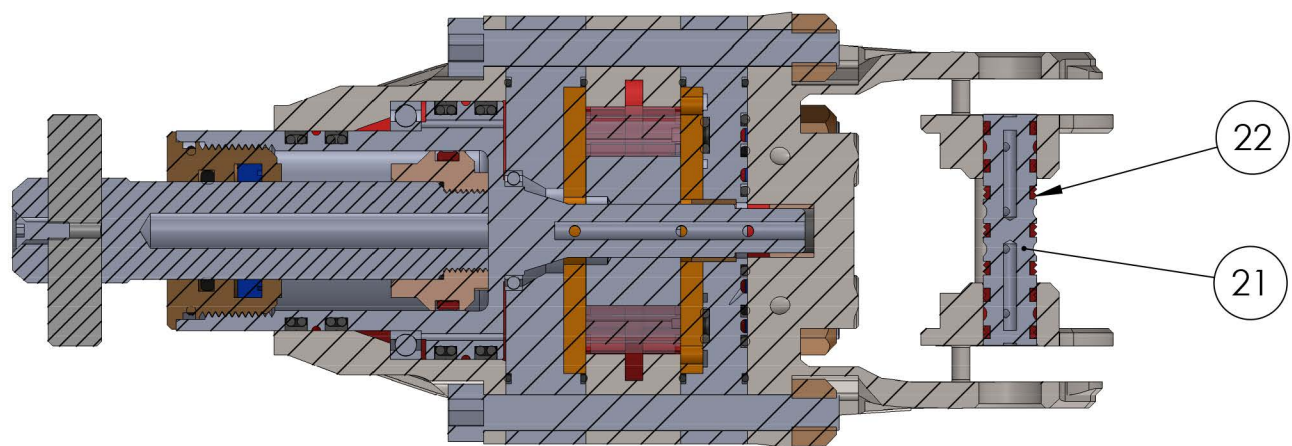


ITEM	REF	DESCRIPTION	QTY.
1	M700C - T015	CYLINDER BODY Ø30X100	
2	M700C - T016	WRIST YAW PISTON ROD	
3	3053.14.000-310	SEAL PU88 Ø30 GREEN	1
4	472.147	RING 24x2,5 RED	1
5	673.152	CUSHION DUB	2
6	M700C - B006	10-12-18-12 CYLINDER HEAD	
7	M700C - B007	PISTON Ø30 M14	
8	647.935	WIPER SEAL PU11 16x22x4	1
9	504.050	ROD SEAL Ø16	1

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	08/11/2018	P. Iglesias				COTAS SIN TOLERANCIA SEGUN ISO 2768 mK	
	Proyecto M700C						
				Material Titanium 64	Tratamiento	Peso (Kg.)	
Cliente	Designación WRIST YAW CYLINDER - SPARES					Proceso	
						Hoja1	
	Nº de plano M700C - 300 - SPARES			Cant. -	Escala 1:2	Formato A3	Hoja 1 de 1



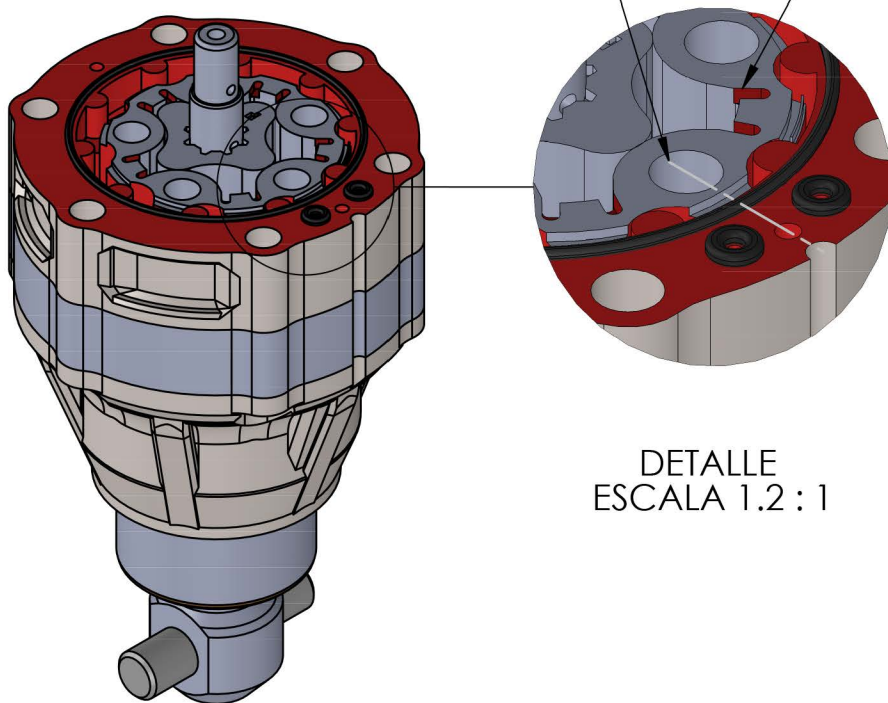
Torque 30 Nm (22 Ft Lbs.)



SECCIÓN A-A
ESCALA 1 : 1.7

ROTOR ALIGNMENT

OIL CODUCTS
UPSIDE



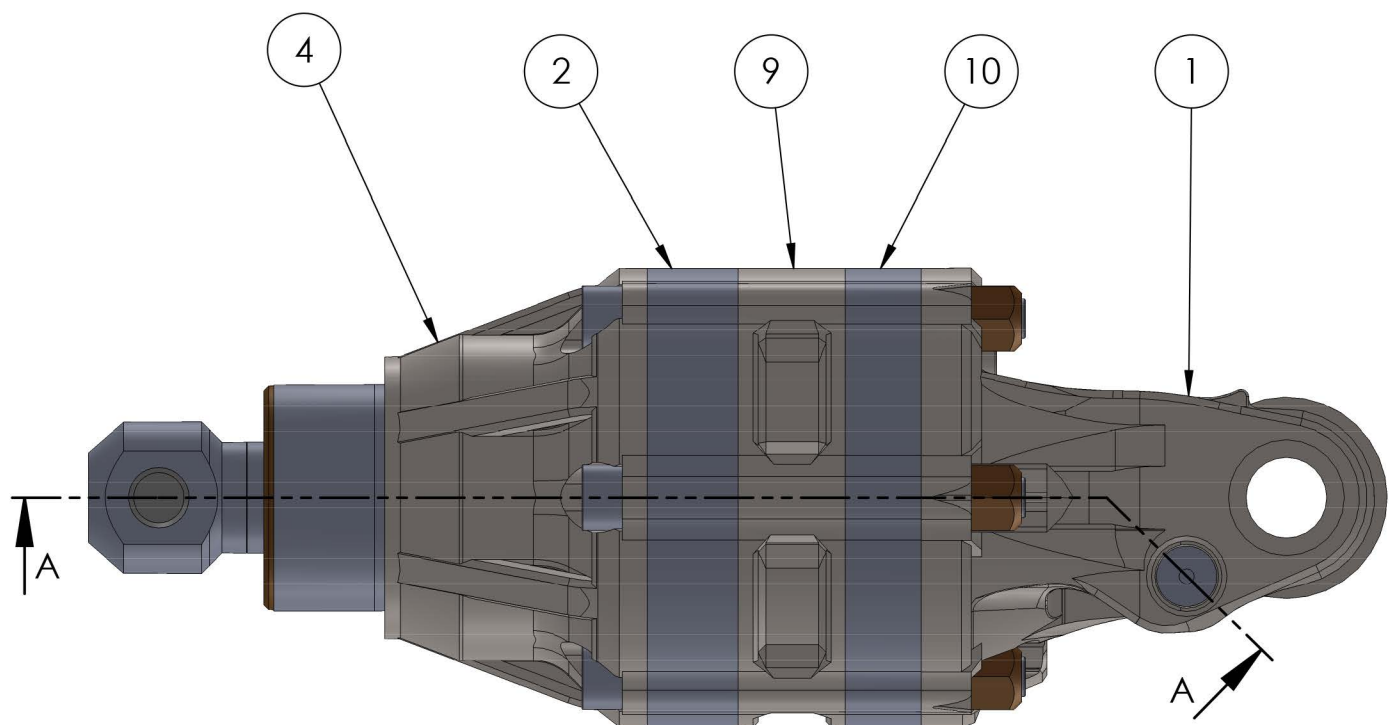
DETALLE
ESCALA 1.2 : 1

JAW OPEN - CLOSE

ROTATE CW - CCW

WRIST YAW LEFT - RIGHT

DRAIN



ITEM	REF.	DESCRIPTION	QTY.
1	M700C - T007-R02	WRIST FLANGE	
2	M700C - SS019 R03	MOTOR FRONT COVER	
3	M700C - HS002	PLATE GUIDE	
4	M700C - T010 - R01	WRIST COVER	
5	M8 NUT CUNIAL	M8 NUT	
6	DIN912 M8x80 TITANIO	BOLT M8x20	
7	M700C - SS011-R03	CYLINDER JAW BODY	
8	ISB 45-58-7	BEARING 45-58-7	
9	M700C - T008-R02	GEROTOR COVER	
10	M700C - SS023 R02	REAR MOTOR COVER	
11	672.915	CUSHION DUB 12-14-10	1
12	M700C - HS001	OIL PLATE GUIDE	
13	541.276	CUSHION DUB 10-12-10	1
14	M700C - SS013-R03	GEROTOR BODY	
15	M700C - SS014	GEROTOR ROTOR	
16	ISB 20-27- 4	BEARING 20-27-4	
17	M700C - B008	PISTON	
18	M700C - SS010	ROD	
19	3054.14.000-105	JAW CYLINDER HEAD	
20	3054.14.000-201	ROD PIN	
21	M700C - SS009	WRIST YAW PIN	
22	M700C - PU002	CYLINDER PIN ROT SEAL	7
23	342.415	O-RING 34 x 2	2
24	504.421	O-RING 48x2	1
25	430.919	O-RING 65x1,5	4
26	346.207	O-RING 16x2	1
27	CUVID - F343	PTFE ROT SEAL Ø45	2
28	CUVID - F342	PTFE ROT SEAL Ø58	2
29	340.653	O-RING 2,5x2	8
30	DIN 7 3x9	PIN Ø3X9	2
31	640.326	ROD SEAL Ø22	1
32	3054.14.000-307	PISTON SEAL PU88 Ø36	1
33	424.339	O-RING 21x3	1
34	437.959	O-RING 4.5X2	10
35	345.023	O-RING 20 x 1	1
36	DIN 7991 M4x12 A4	COUNTERSUNK BOLT M4X12	1

TITANRob

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Quantum Innovative SL
CIF: B27725225

Porto do Mollo, Rúa das Pontes, nº19,
CP:36350, Nigrán (Pontevedra) SPAIN

Cliente

Fecha original

26/07/2019

Dibujado

Comprobado

N8

N7

N5

MATAR ARISTAS
0,5 x45°

Proyecto

M700C

Designación

M700C - JAW ACTUATOR ASSEMBLY - SPARE KIT

Proceso

Hoja1

Nº de plano

M700C - 400 R01

Cont.

Escala

1:5

Formato

A2

Hoja

1 de 1



TITANROB MANIPULATOR HYDRAULIC HOSE LIST

Equipment	M700C Manipulator	Ref.	M700C
S/N	003 & 004	Date	15feb2021
Assembly	HYDRAULIC HOSES	Revised by	PIN

No.	FUNCTION	Actuator (LEFT CONFIG)	Valve Pack Port No.	Hose Length (mm)	Manip end Fitting	V Pack end Fitting	Hose Type
1	SHOULDER / ARM Azimuth (Yaw) RIGHT	Retract (LH)	A1	1160	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
2	SHOULDER / ARM Azimuth (Yaw) LEFT	Extend (LH)	B1	1160	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
3	SHOULDER / ARM Pitch UP	Extend	A2	2000	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
4	SHOULDER / ARM Pitch DOWN	Retract	B2	2000	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
5	ELBOW / FOREARM Pitch UP	Extend	A3	1750	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
6	ELBOW / FOREARM Pitch DOWN	Retract	B3	1750	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
7	WRIST / HAND Pitch UP	Extend	A4	2150	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
8	WRIST / HAND Pitch DOWN	Retract	B4	2150	BSPP 1/8" F. Swivel	JIC 7/16 F. Swivel	DN2 - TS8552101 00
9	WRIST / HAND RIGHT	Retract	A5	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00
10	WRIST / HAND LEFT	Extend	B5	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00
11	JAW Rotate CW	Rotate CCW	A6	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00
12	JAW Rotate CCW	Rotate CW	B6	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00
13	JAW Rotate DRAIN	N/A	TT	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00
14	JAW CLOSE	Retract	A7	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00
15	JAW OPEN	Extend	B7	2520	M6x1 Male.	JIC 7/16 F. Swivel	DN2 - TS8552101 00