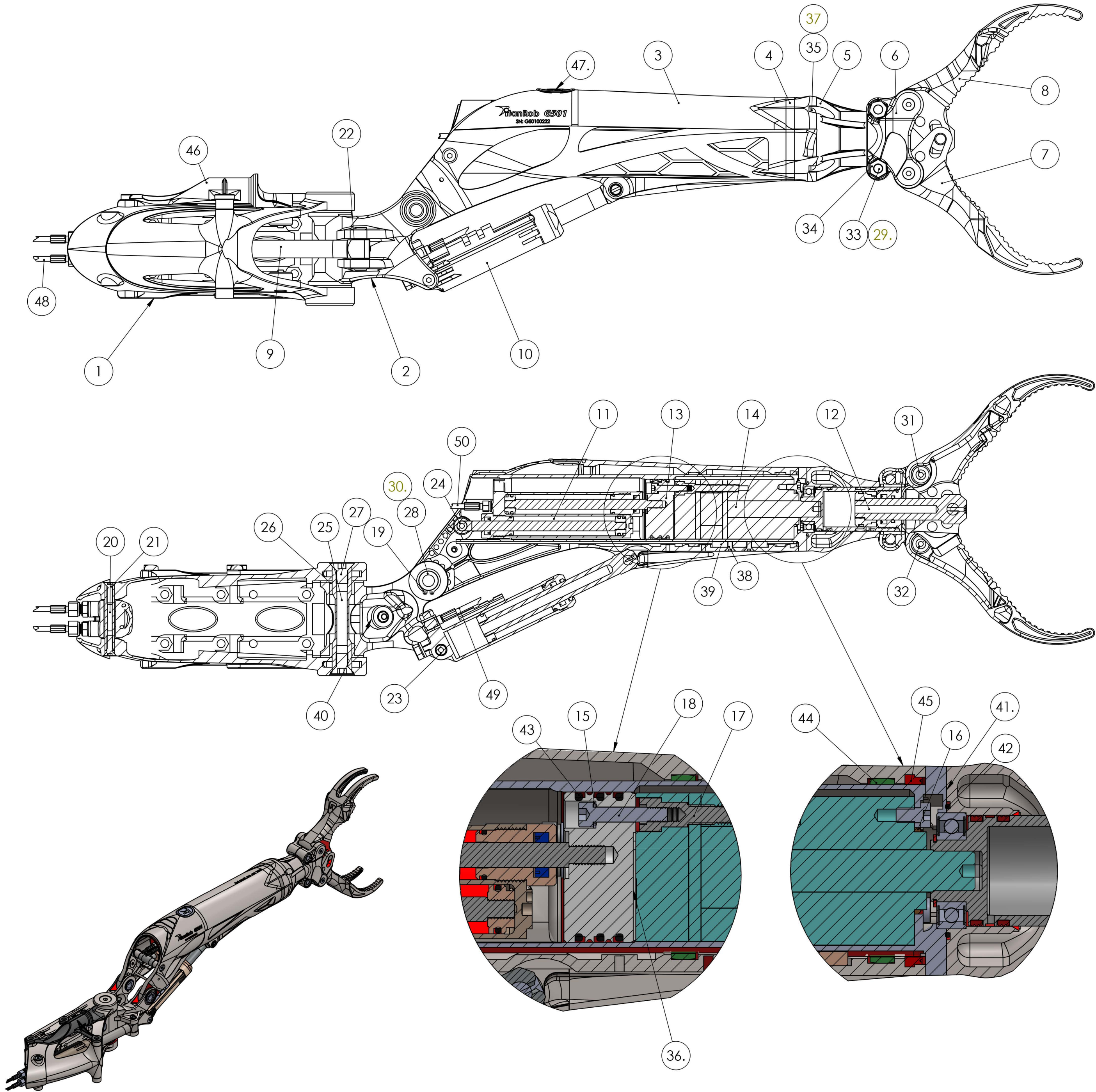
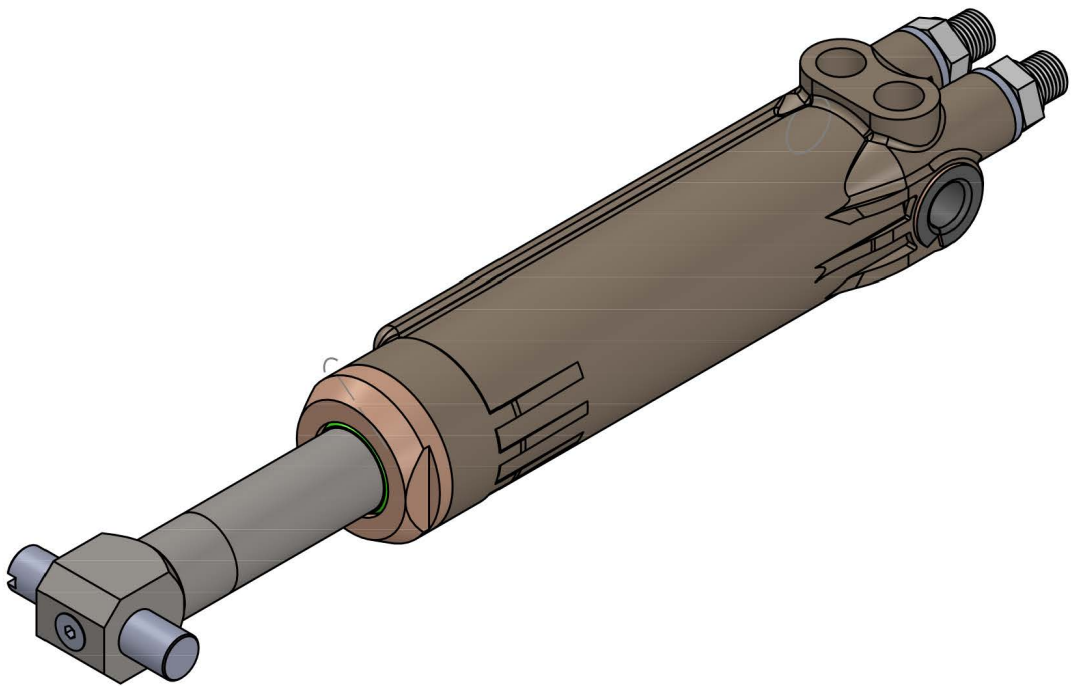
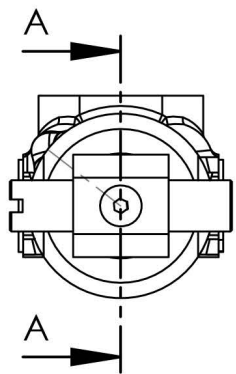
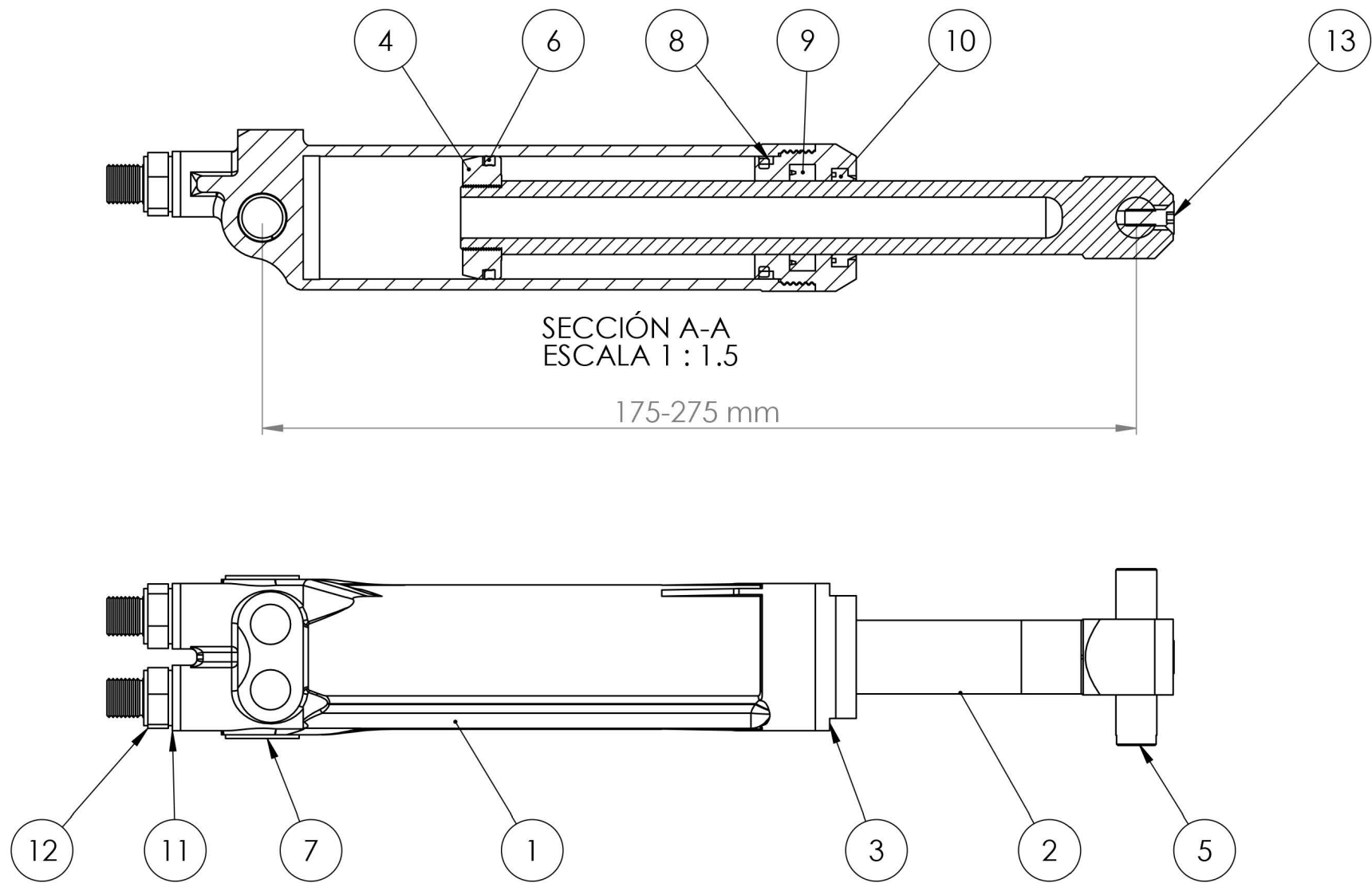




ITEM	REF.	DESCRIPTION	QTY.
1	3053.14.000-001-R01	SUPPORTING BASE	
2	3054.14.000-001 R01	YAW FLANGE	
3	3054.14.000-002 - R03	ARM	
4	3054.14.000-003 - R02	FOREARM	
5	3054.14.000-005 - R03	WRIST BEARING COVER	
6	3054.14.000-006	JAW BODY	
7	3054.14.000-007	WIDE JAW	
8	3054.14.000-008	NARROW JAW	
9	M700C - 100	CYLINDER MAIN ASSY.	
10	3054.14.000-100	PITCH CYLINDER	
11	3054.14.000-200	GRABBER DOUBLE CYLINDER	
12	3054.14.000-300	JAW CYLINDER	
13	3054.14.000-503 - R01	MOTOR END COVER	
14	OMM 50	OMM 50 HYD. MOTOR	
15	203MBM6I	BONDED WASHER M6 INOX	
16	3054.14.000-502	MOTOR CENTERING RING	
17	3053.14.000-302-R01	SPECIAL BOLT M8-M6	
18	DIN 912 M6x30	ALLEN BOLT M6X30	
19	DIN 471 D20	CIRCLIP Ø20	2
20	3053.14.000-203	SHAFT CYL. #1	
21	DIN 7991 M6x20	COUNTERSUNK BOLT M6x20	2
22	673.152	CUSHION DUB 10-12-18-12	4
23	3054.14.000-204	SHAFT CYL. #2	
24	3054.14.000-206	SHAFT CYL. #3	
25	3053.14.000-206-R02	YAW SHAFT	
26	3053.14.000-209	BRONZE BUSH (Yaw Shaft)	
27	Din 7991 M12x20	COUNTERSUNK BOLT M12x20	
28	3053.14.000-208-R01	PITCH SHAFT	
29	552.604	COPPER WASHER 10-14-1	2
30	3054.14.000-113	BRONZE BUSH (Pitch Shaft)	
31	3054.14.000-202	NARROW JAW SHAFT	
32	3054.14.000-203	WIDE JAW SHAFT	
33	DIN 912 M10x40	ALLEN BOLT M10x40	
34	DIN 934 M10	NUT M10	
35	DIN 1587 M6	ACORN NUT M6	
36	667.089	O-RING 23x1	2
37	Din 7984 M6x20	ALLEN BOLT M6x20	
38	Din 7991 M5x9	COUNTERSUNK BOLT M5x9	
39	3054.14.000-110 - R01	ANTI-ROTATION KEY	
40	192045	ANODE Ø24 mm	4
41	340.653	O-RING 3x2	2
42	493.114	O-RING 50x2	1
43	363.770	O-RING 54x3	3
44	598.164	GUIDE RING Ø70	
45	475.152	WIPER SEAL Ø70	
46	3054.14.000-504	TPU HOSE GUIDE	
47	3054.14.000-505	TOP COVER	
48	HOSE 1050 mm GAS - JIC	DN2 HOSE 1050 - 1/8" BSPP FEMALE SWIVEL	1
49	HOSE 1680 mm BANJO JIC	DN2 HOSE 1680 - 1/8" BANJO	1
50	HOSE 1880 mm M6 - JIC	DN2 HOSE 1880 - M6 CONNECTOR	1

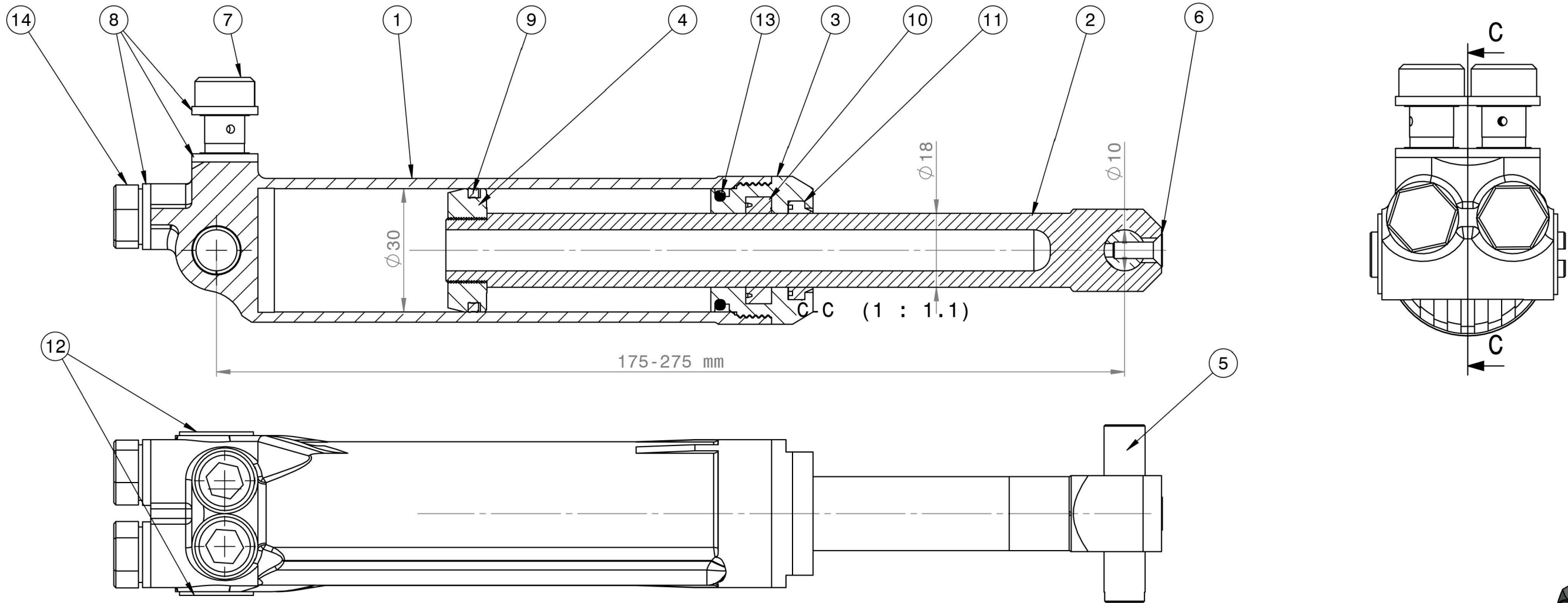
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	Proyecto <					

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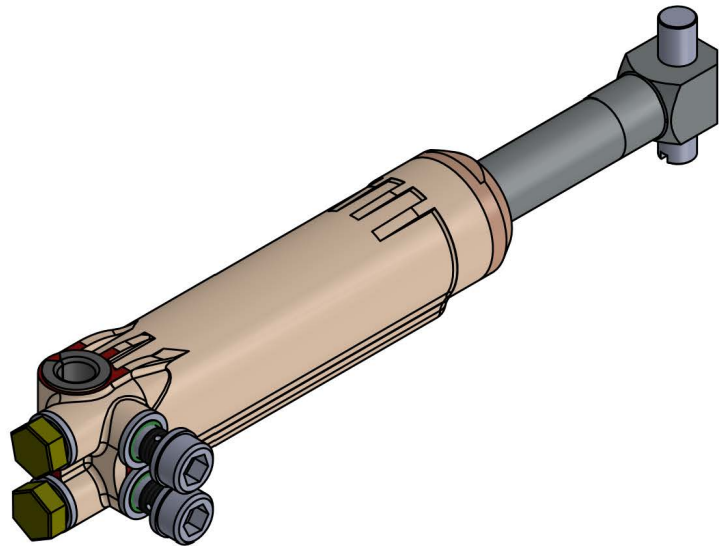


ITEM	REF.	DESCRIPTION	QTY.
1	3053.14.000-010-R01	CYLINDER BODY Ø30X100	
2	M700C - T018	PISTON ROD	
3	3053.14.000-107-R01	CYLINDER HEAD	
4	3053.14.000-108-R02	PISTON	
5	3053.14.000-202-R02	ROD PIN	
6	3053.14.000-310	SEAL PU88 Ø30	1
7	673.152	CUSHION DUB 10-12-18-12	2
8	472.147	O-RING 24x2,5	1
9	640.300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

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	04/01/2019	P. Iglesias					
	Proyecto					COTAS SIN TOLERANCIA SEGUN ISO 2768 mK	
	M700C			Material		Tratamiento	Peso (Kg.)
				Titanium 64			0.50
Cliente	Designación					Proceso	
	CYLINDER MAIN ASSY.					Hoja1	
	Nº de plano			Cant.	Escala	Formato	Hoja
	M700C - 100 SPARES			-	1:2	A3	1 de 1



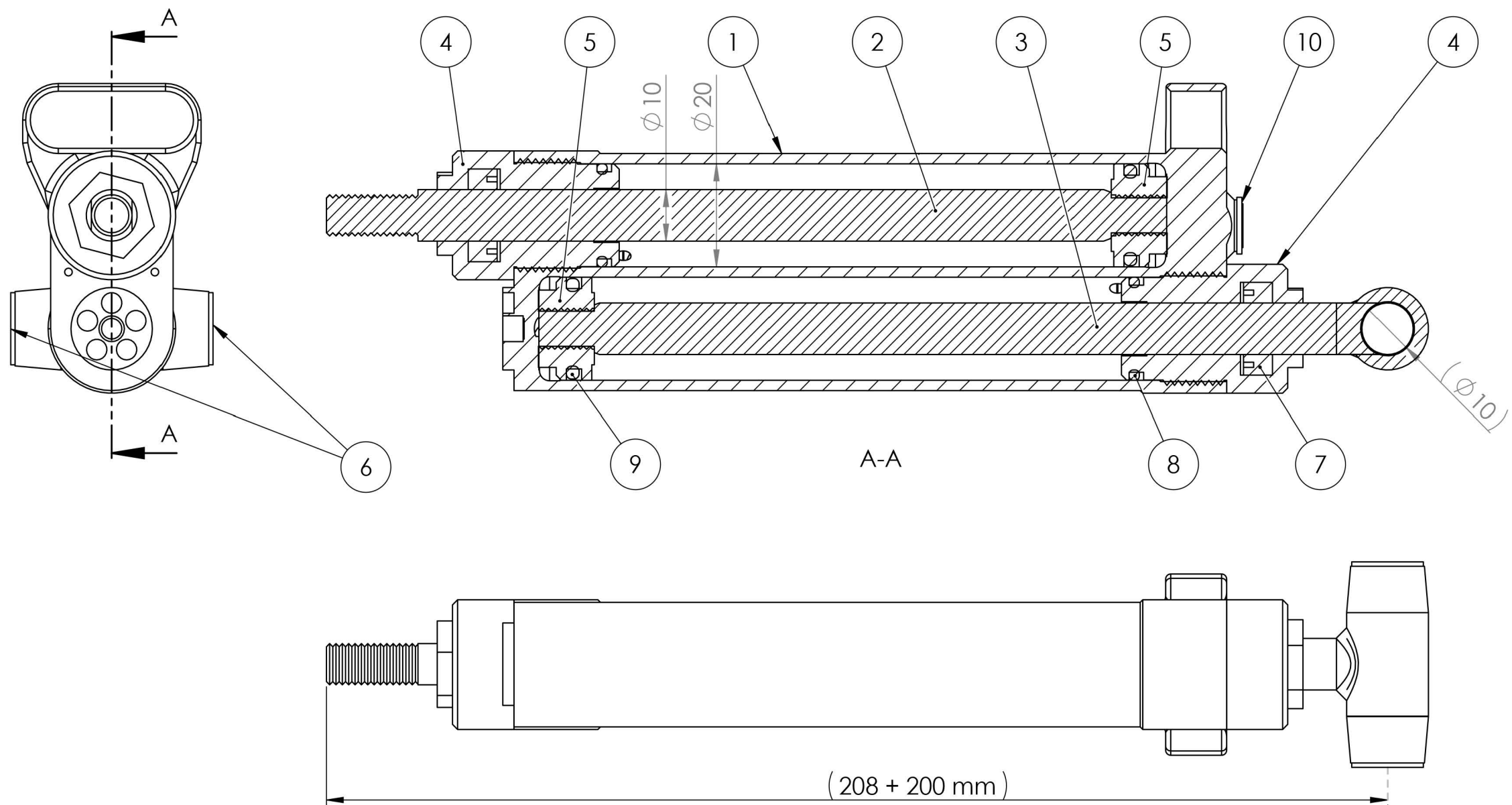
ITEM	REF.	DESCRIPTION	QTY.
1	3054.14.000-009	CYLINDER BODY	
2	M700C - T018	PISTON ROD	
3	3053.14.000-107-R01	CYLINDER HEAD	
4	3053.14.000-108-R02	PISTON	
5	3053.14.000-202-R02	ROD PIN	
6	DIN 7991 M4x12	COUNTERSUNK BOLT M4x12	1
7	3054.14.000-117	BANJO BOLT	
8	C-XAM480002	BONDED WASHER G1/8" INOX	6
9	3053.14.000-310	SEAL PU88 Ø30	1
10	640.300	ROD SEAL Ø18	1
11	337.847	WIPER SEAL PU11 18x24x4	1
12	673.152	CUSHION DUB 10-12-18-12	2
13	472.147	O-RING 24x2.5	1
14	PLUG 1/8"M	HYDRAULIC PLUG 1/8"M INOX	



(1 : 2)

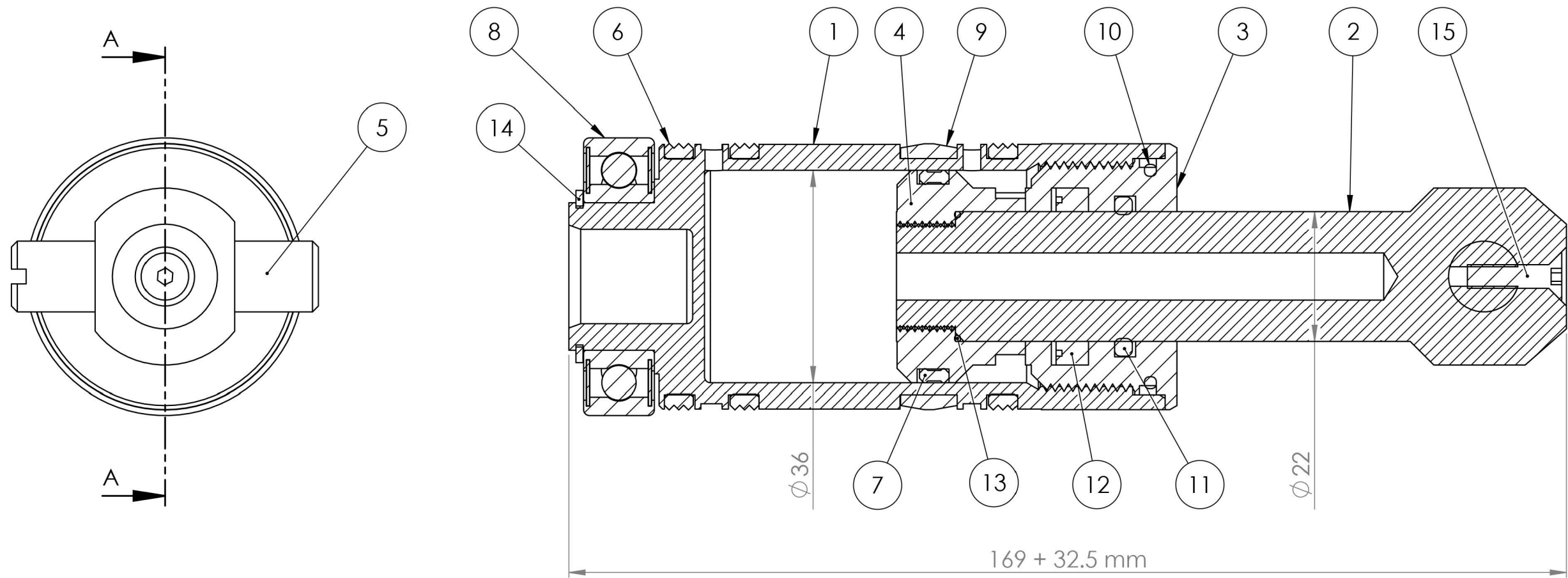
TITANRob® TITANRob® is a registered trademark of Quantum Innovative SL CIF: B27725225 Porto do Molle, Rúa das Pontes, nº19, CP:36350, Nigrán (Pontevedra) SPAIN	Fecha original	Dibujado	Comprobado				MATAR ARISTAS 0,5 x45°	
	05/12/2014	P. Iglesias						
	Proyecto						COTAS SIN TOLERANCIA SEGUN ISO 2768 mK	
	G501			Material		Tratamiento		Peso (Kg.)
				-				0.70
Cliente	Designación						Proceso	
	PITCH CYLINDER						MONTAJE	
	Nº de plano				Cant.	Escala	Formato	Hoja
	3054.14.000-100 SPARES				-	1:1	A3	1 de 1

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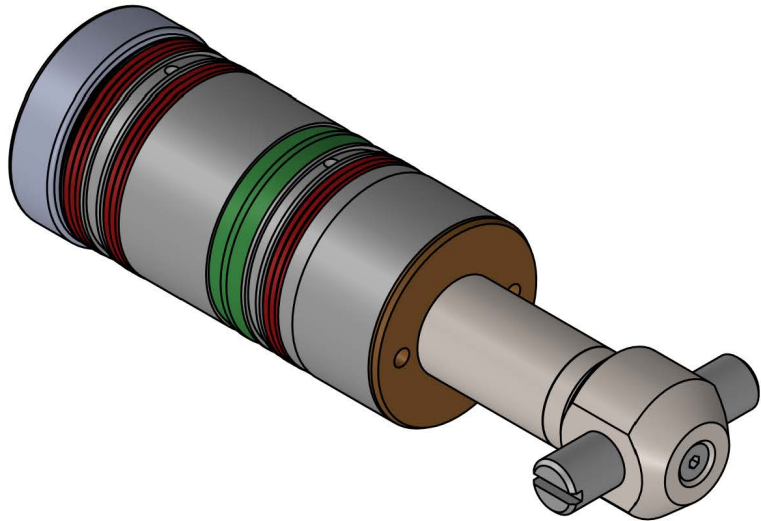


ITEM	REF.	DESCRIPTION	QTY.
1	3054.14.000-004	DOUBLE CYLINDER BODY	
2	3054.14.000-106	FRONT ROD	
3	3054.14.000-107	REAR ROD	
4	3054.14.000-108	CYLINDER HEAD	
5	3054.14.000-109	PISTON	
6	3054.14.000-205	DOUBLE CYLINDER BUSH	
7	483.476	ROD SEAL Ø10	2
8	463.828	O-RING 16x2	2
9	436.599	O-RING 14.5x2.5	2
10	203MBM6I	BONDED WASHER M6 INOX	2

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	04/02/2022	P. Iglesias					
	Proyecto					COTAS SIN TOLERANCIA SEGUN ISO 2768 mK	
	G501			Material		Tratamiento	Peso (Kg.)
				-			
Cliente	Designación					Proceso	
	GRABBER DOUBLE CYLINDER - SPARES					Hoja1	
	Nº de plano			Cant.	Escala	Formato	Hoja
	3054.14.000-200			-	1:2	A3	1 de 1



A-A



ITEM	REF.	DESCRIPTION	QTY.
1	3054.14.000-102 - R03	GRABBER JAW CYLINDER	
2	3054.14.000-104	GRABBER JAW ROD	
3	3054.14.000-105 -R01	CYLINDER HEAD	
4	3054.14.000-103	CYLINDER PISTON	
5	3054.14.000-201 - R01	ROD PIN	
6	3054.14.000-306	SEAL ROT PU88	3
7	3054.14.000-307	PISTON SEAL PU88	1
8	BEARING 25.47.12	WRIST GRABBER BEARING	
9	367.234	GUIDE RING Ø40	
10	342.415	O-RING 34 x 2	1
11	424.339	O-RING 21x3	1
12	640.326	ROD SEAL Ø22	1
13	345.023	O-RING 20 x 1	1
14	DIN 471 D25	CIRCLIP Ø25	1
15	DIN 7991 M4x16	BOLT M4x20	1

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	04/02/2022	P. Iglesias				
	Proyecto				COTAS SIN TOLERANCIA SEGUN ISO 2768 mK	
	G501				Material	Tratamiento
				-		
Cliente	Designación				Proceso	
	JAW CYLINDER				Hoja1	
	Nº de plano		Cant.	Escala	Formato	Hoja
3054.14.000-300 - SPARES		-	1:2	A3	1 de 1	



TITANROB HYDRAULIC HOSE LIST

Equipment	G501 – 5F GRABBER	Ref.	3054.14.000
S/N	G50100222	Date	15feb2022
Assembly	HYDRAULIC HOSES	Revised by	PIN / CAP

No.	FUNCTION	Actuator	Valve Pack Port No.	DWG Ref. / Pos.	Hose Length (mm)	Manip end Fitting	V Pack end Fitting	Hose Type	Manufacturer Supplier Ref.
1	SHOULDER / Azimuth Yaw RIGHT	Extend (Right Hand conf.) Retract (LH)	A1	3054.14.000	1050	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
2	SHOULDER / Azimuth Yaw LEFT	Retract (RH) Extend (LH)	B1	3054.14.000	1050	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
3	SHOULDER / ARM Pitch UP	Extend	A2	3054.14.000	1680	BSPP 1/8" Banjo	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
4	SHOULDER / ARM Pitch DOWN	Retract	B2	3054.14.000	1680	BSPP 1/8" Banjo	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
5	FOREARM EXTENT	Extend	A3	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
6	FOREARM RETRACT	Retract	B3	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
7	JAW Rotate Right (CW)	Rotate CCW	A4	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
8	JAW Rotate Left (CCW)	Rotate CW	B4	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
9	JAW OPEN	Extent	A5	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
10	JAW CLOSE	Retract	B5	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A
11	DRAIN	N/A	TT	3054.14.000	1880	M6 Male Connector	JIC 7/16" F. Swivel	Parker 2020N-012V30	N/A