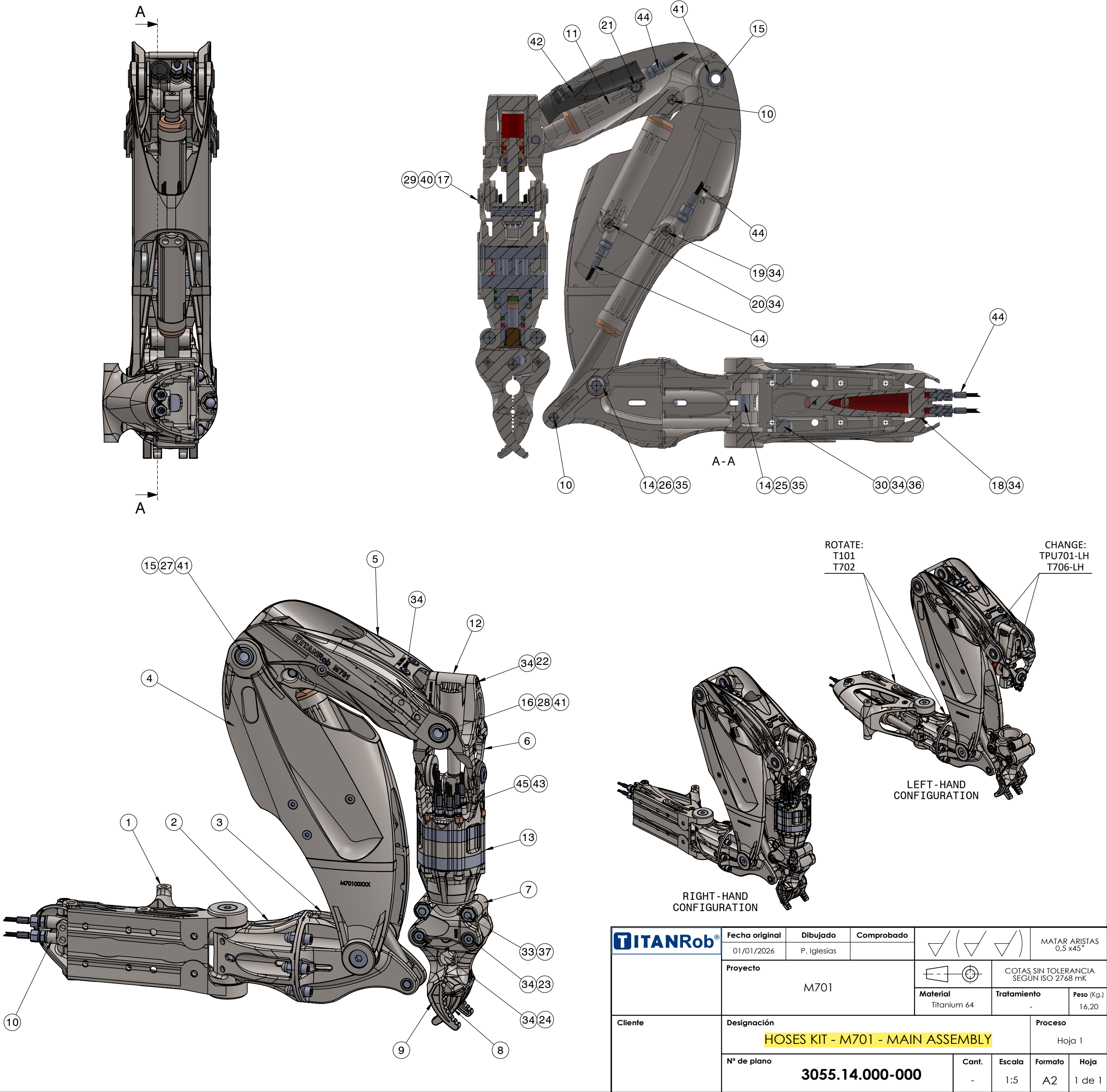
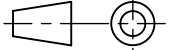
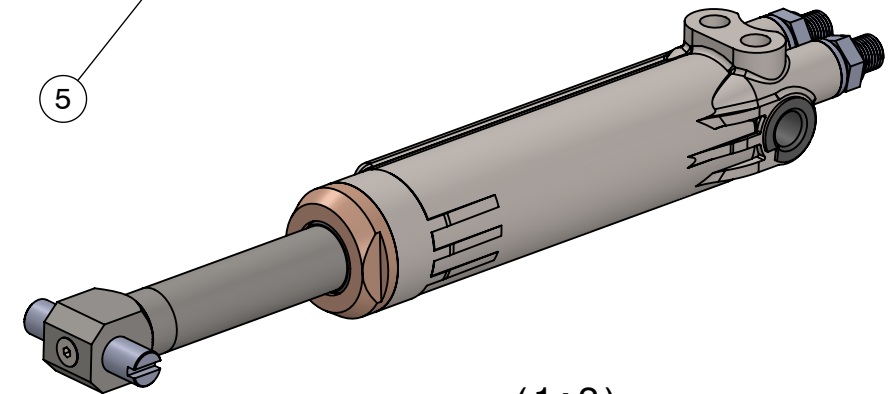
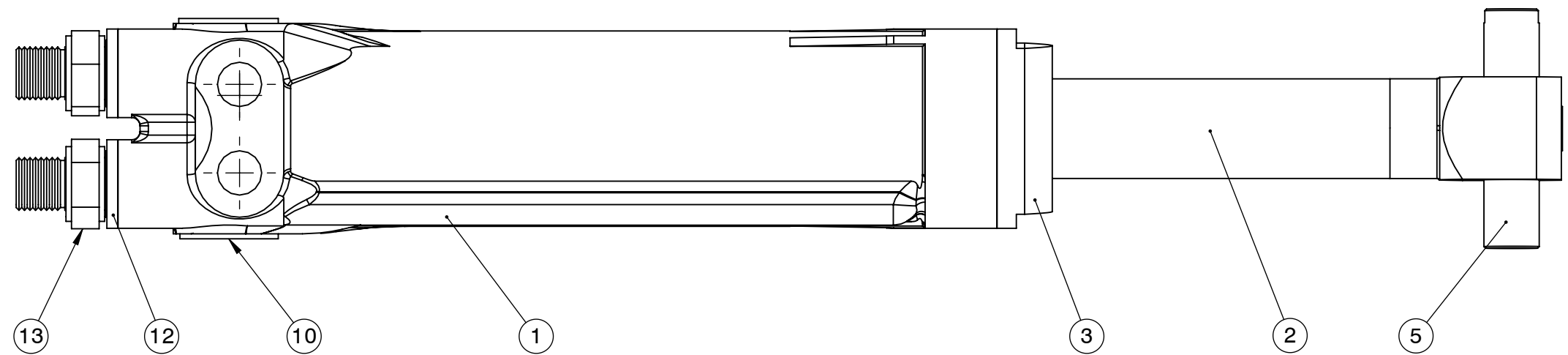
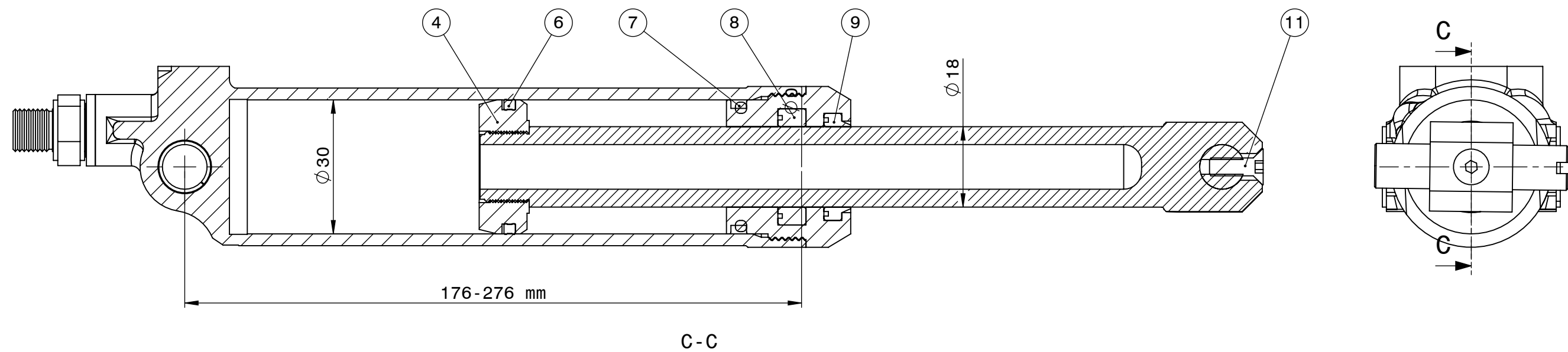


ITEM	REF.	DESCRIPTION	QTY.
1	T101_R03	BASE	
2	T702_R01	YAW FLANGE	
3	T703_R01	PITCH FLANGE	
4	T704_R03	UPPER ARM	
5	T705-R04	FOREARM	
6	T706-R01-RH	WRIST PITCH FLANGE - RIGHT CONFIG.	
7	T711_R03	JAW BODY	
8	T712_R02	NARROW JAW	
9	T713_R01	WIDE JAW	
10	3053.14.000-100	CYLINDER MAIN ASSY.	
11	3055.14.000-200	WRIST PITCH CYLINDER	
12	3055.14.000-300	WRIST YAW CYLINDER	
13	3055.14.000-400- R02	JAW ACTUATOR ASSEMBLY	
14	A316-102-D20L105	YAW SHAFT Nº1 & Nº2	
15	A316-703 D20L29	PITCH SHAFT Nº3	
16	A316-704 D20L24	WRIST PITCH SHAFT Nº4	
17	A316-705 D16L26	WRIST YAW SHAFT Nº5	
18	A316-101-D10L67	SHAFT CYL. Nº1	
19	A316-706 D10L90	SHAFT CYL. Nº 2	
20	A316-707 D10L67	SAFT CYL. Nº3	
21	T717	SHAFT CYL. Nº4	
22	A316-708 D10L58	SHAFT CYL. Nº5	
23	CU202-D10L58	NARROW JAW SHAFT	
24	CU203-D10L68	WIDE JAW SHAFT	
25	CU701	BRONZE BUSH Nº1	
26	CU702	BRONZE BUSH Nº2	
27	CU703	BRONZE BUSH Nº3	
28	CU704	BRONZE BUSH Nº4	
29	CU705	BRONZE BUSH Nº5	
30	3053.14.000-304-R01	ANODE Ø24	
31	673.152	CUSHION DUB 10-12-18-12	
32	DIN 912 M8x20	ALLEN BOLT M8x20	
33	DIN 912 M10x45	ALLEN BOLT M10x45	
34	DIN 7991 M6x20	COUNTERSUNK BOLT M6x20	
35	DIN 7991 M12x20	COUNTERSUNK BOLT M12x20	
36	DIN 934 M6	M6 NUT	
37	DIN 934 M10	M10 NUT	
38	DIN 1587 M8	ACORN NUT M8	
39	DIN 127 M8	LOCK WASHER M8	
40	DIN 471 D16	CIRCLIP Ø16	
41	DIN 471 D20	CIRCLIP Ø20	
42	TPU701-RH_R01	HOSE GUIDE - RIGHT HAND CONFIG.	
43	C-XAM490006	BONDED WASHER M6 AISI316	4
44	HOSE JIC-GAS	DN2 HOSE - JIC7/16" FEM. SWIVEL - GAS 1/8" FEM. SWIVEL	4
45	HOSE JIC-M6	DN2 HOSE - JIC7/16" FEM. SWIVEL - M6 MALE FITTING	4



	Fecha original	Dibujado	Comprobado				MATAR ARISTAS 0,5 x45°	
	01/01/2026	P. Iglesias						
	Proyecto M701					COTAS SIN TOLERANCIA SEGÚN ISO 2768 mK		
				Material Titanium 64		Tratamiento -		Peso (Kg.) 16,20
	Cliente	Designación					Proceso	
HOSES KIT - M701 - MAIN ASSEMBLY					Hoja 1			
	Nº de plano			Cant.	Escala	Formato	Hoja	
	3055.14.000-000			-	1:5	A2	1 de 1	

Queda prohibida la reproducción total o parcial de este documento sin autorización expresa.



(1:2)

ITEM	REF.	DESCRIPTION	QTY.
1	T110_R03	CYLINDER BODY Ø30X100	
2	T118	PISTON ROD Ø18x100	
3	CU110	CYLINDER HEAD	
4	CU111	PISTON Ø30	
5	A316-110-D10L43	ROD PIN	
6	3053.14.000-310	PISTON SEAL PU88 Ø30	
7	472.147	O-RING 24 x 2,5	
8	640.300	ROD SEAL Ø18	
9	337.847	WIPER SEAL Ø18	
10	673.152	CUSHION DUB 10-12-18-12	
11	DIN 7991 M4x12 A4	COUNTERSUNK BOLT M4X12	
12	C-XAM480002	BONDED WASHER G1/8" AISI316	4
13	C-XRC60180202	FITTING BSPP 1/8" M-M AISI316	4

KIT ALSO VALID FOR WRIST PITCH CYLINDER

TITANRob®	Fecha original	Dibujado	Comprobado	✓ (✓) ✓ MATAR ARISTAS 0,5 x45°		
	01/01/2026	P. Iglesias				
	Proyecto			COTAS SIN TOLERANCIA SEGÚN ISO 2768 mK		
Cliente	M701 - G501 - M501			Material	Tratamiento	Peso (Kg.)
				-		0,71
	Designación			Proceso		
			HOSES KIT - CYLINDER MAIN ASSY.			Hoja 1
Nº de plano			Cant.	Escala	Formato	Hoja
3053.14.000-100			-	1:1	A3	1 de 1



TITANROB TECHNOLOGIES
STANDARD SPARE KIT-HYDRAULIC HOSE LIST

Equipment	M701 Manipulator	Ref.	3055.14.000
S/N	M701	Date	1 JANUARY 2026
Assembly	HYDRAULIC HOSES	Revised by	P. IGLESIAS

No.	FUNCTION	Actuator (RIGHT CONFIG)	Valve Pack Port No.	Hose Length (mm)	Manip end Fitting	V Pack end Fitting	Hose Type
1	SHOULDER / ARM Azimuth (Yaw) RIGHT	Retract (RH)	A1	2000	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
2	SHOULDER / ARM Azimuth (Yaw) LEFT	Extend (RH)	B1	2000	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
3	SHOULDER / ARM Pitch UP	Extend	A2	2840	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
4	SHOULDER / ARM Pitch DOWN	Retract	B2	2840	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
5	ELBOW / FOREARM Pitch UP	Extend	A3	3040	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
6	ELBOW / FOREARM Pitch DOWN	Retract	B3	3040	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
7	WRIST / HAND Pitch up	Extend	A4	2990	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
8	WRIST / HAND Pitch DOWN	Retract	B4	2990	BSPP 1/8" F Swivel	JIC 7/16" F. Swivel	DN2 – TS8552101 00
9	WRIST / HAND RIGHT	Retract	A5	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00
10	WRIST / HAND LEFT	Extend	B5	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00
11	JAW Rotate CW	Rotate CCW	A6	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00
12	JAW Rotate CWW	Rotate CW	B6	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00
13	DRAIN	N/A	TT	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00
14	JAW CLOSE	Retract	A7	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00
15	JAW OPEN	Extend	B7	3360	M6x1 Male	JIC 7/16" F. Swivel	DN2 – TS8552101 00