



BM116 Instruction manual

Spare parts



High-speed machine for cutting rootstocks

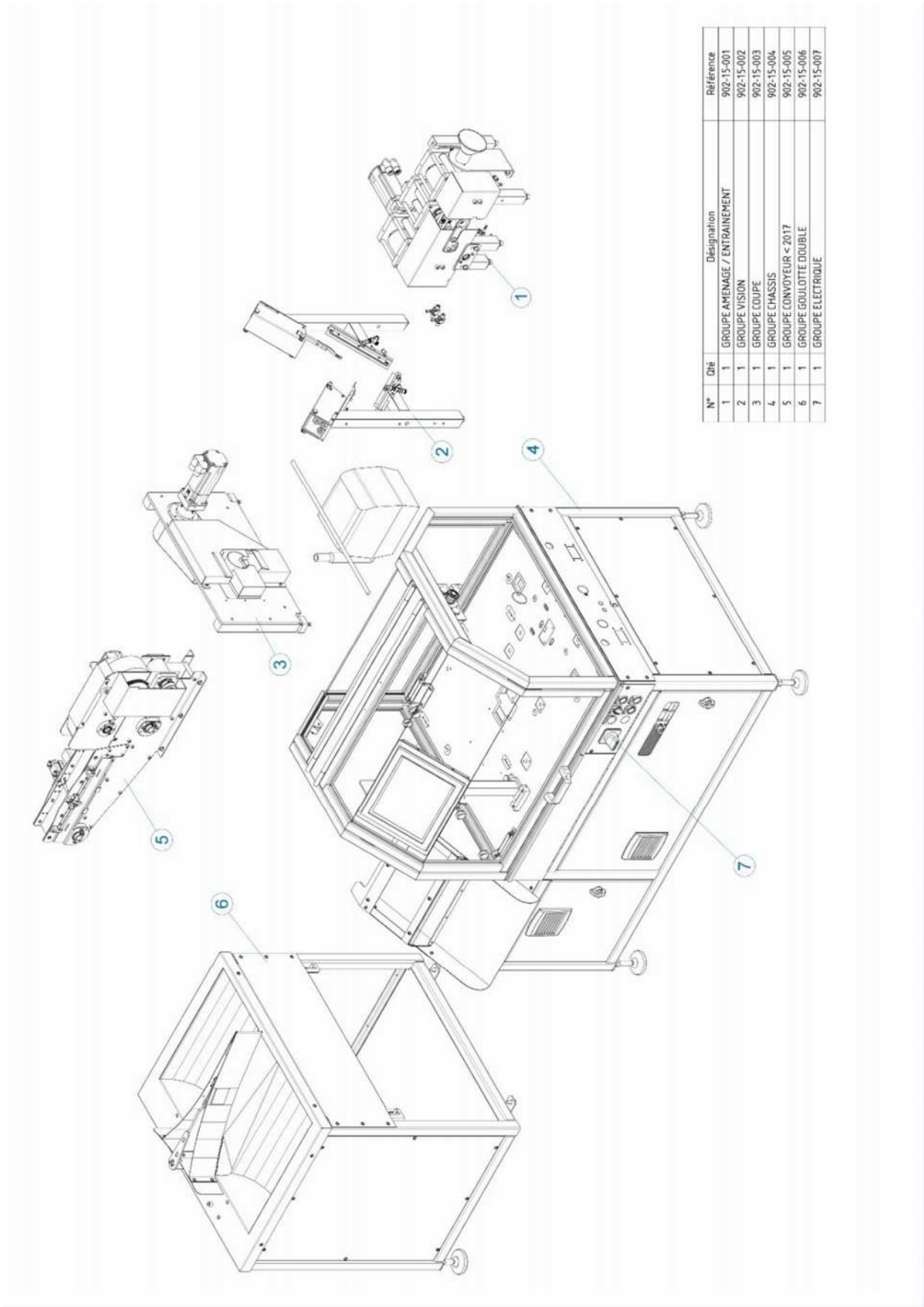
Version: 11/2021

Original manual

TABLE OF CONTENTS

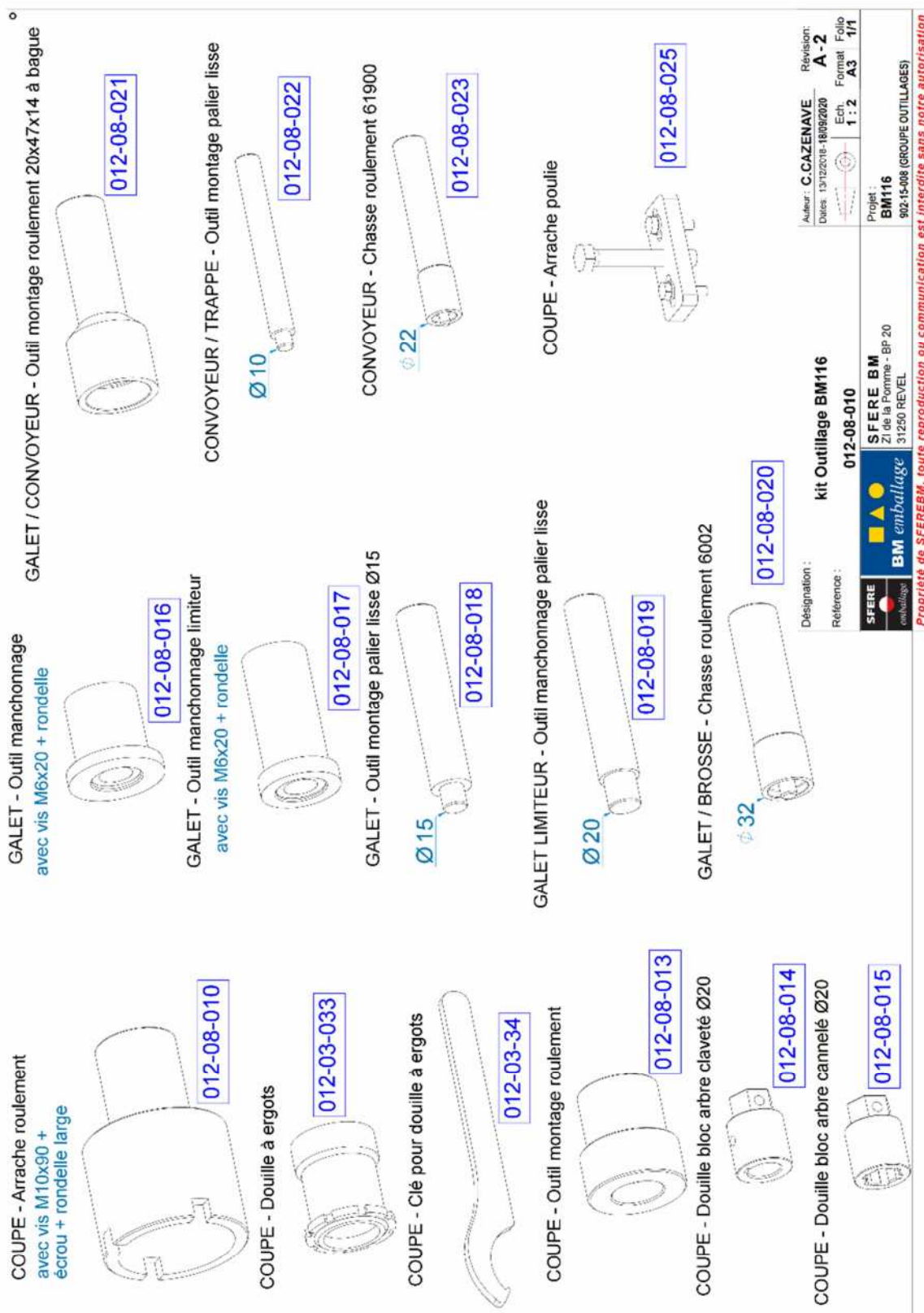
1	Functional units.....	4
2	Exploded views.....	5
2.1	BM116 tool case (not supplied, order separately).....	5
2.2	Feed unit.....	6
2.3	Vision unit.....	28
2.4	Cutting unit.....	36
2.5	Conveyor unit.....	46
2.6	Chute unit.....	59
2.7	Pre-calibrated unit (extra).....	64
3	Pneumatic modules.....	70
4	Wiring diagrams.....	78
5	Revision history.....	107

1 Functional units

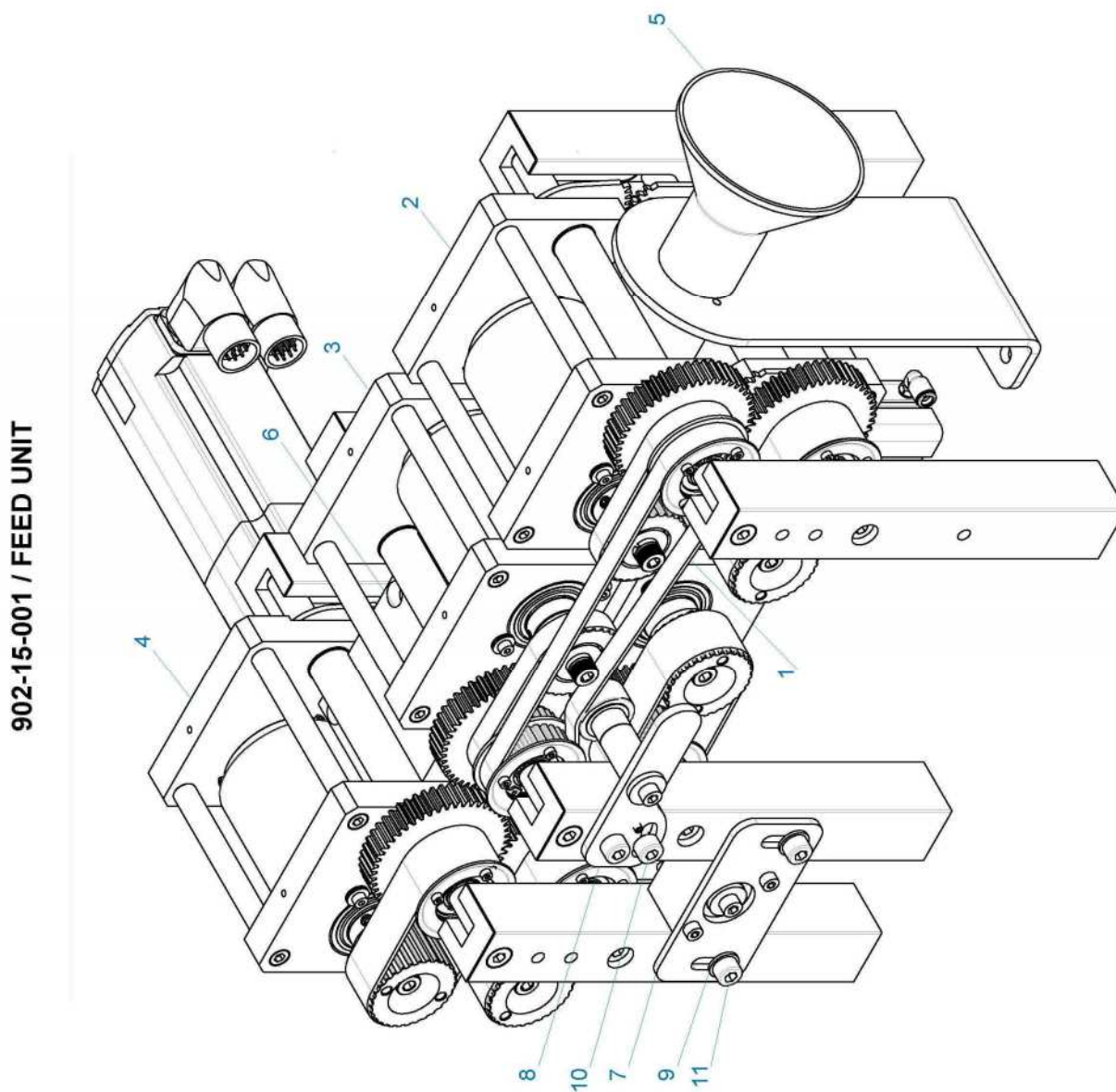


2 Exploded views

2.1 BM116 tool case (not supplied, order separately)



2.2 Feed unit

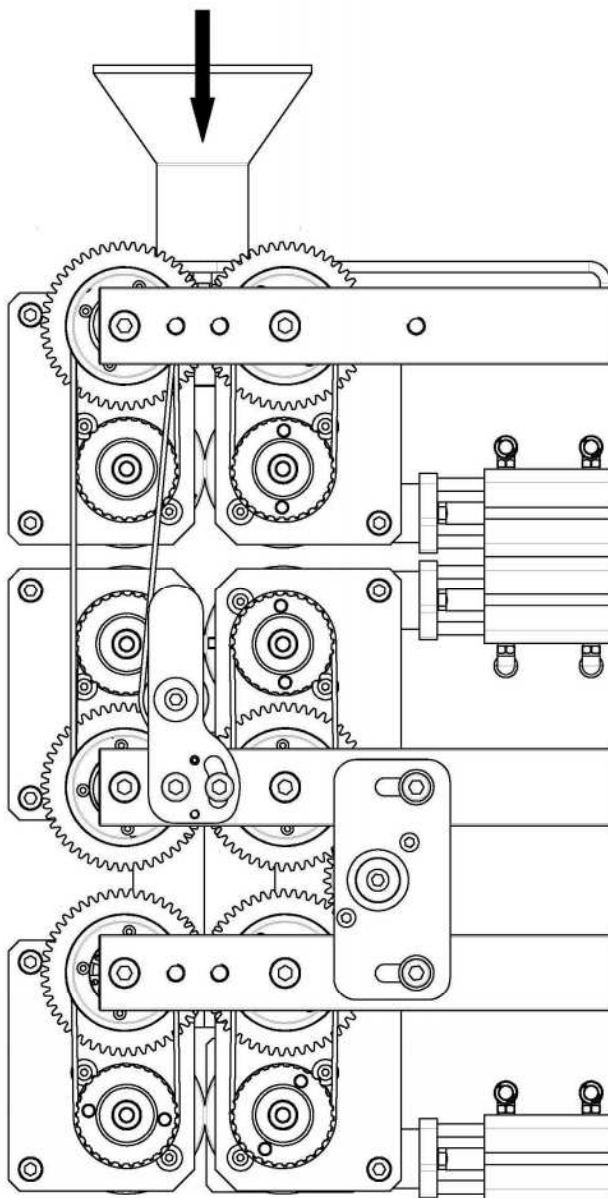


902-15-001 / FEED UNIT

No.	Reference	Description	Qty
1	012-01-040	T5 Belt - T5-115Z/Lp. 575 x 12, Aramid	1
2	902-15-001-1	Roller Assembly no. 1 - Introduction (Inlet)	1
3	902-15-001-2	Roller Assembly no. 2 - Intermediate (Camera Output)	1
4	902-15-001-3	Roller Assembly no. 3 - Motorised (Pre-Cutting)	1
5	902-15-001-4	Inlet Guide / Introduction	1
6	902-15-001-5	BM116 Central / Intermediate Guide	1
7	902-15-001-6	Intermediate Transmission Case (with Gears)	1
8	902-15-001-7	Belt Tensioner T5-Lp 575-12	1
9	-	Flat washer ISO 7089 - 8	2
10	-	Hexagon socket head cap screw ISO 4762 - M8 x 12	2
11	-	Hexagon socket head cap screw ISO 4762 - M8 x 16	2

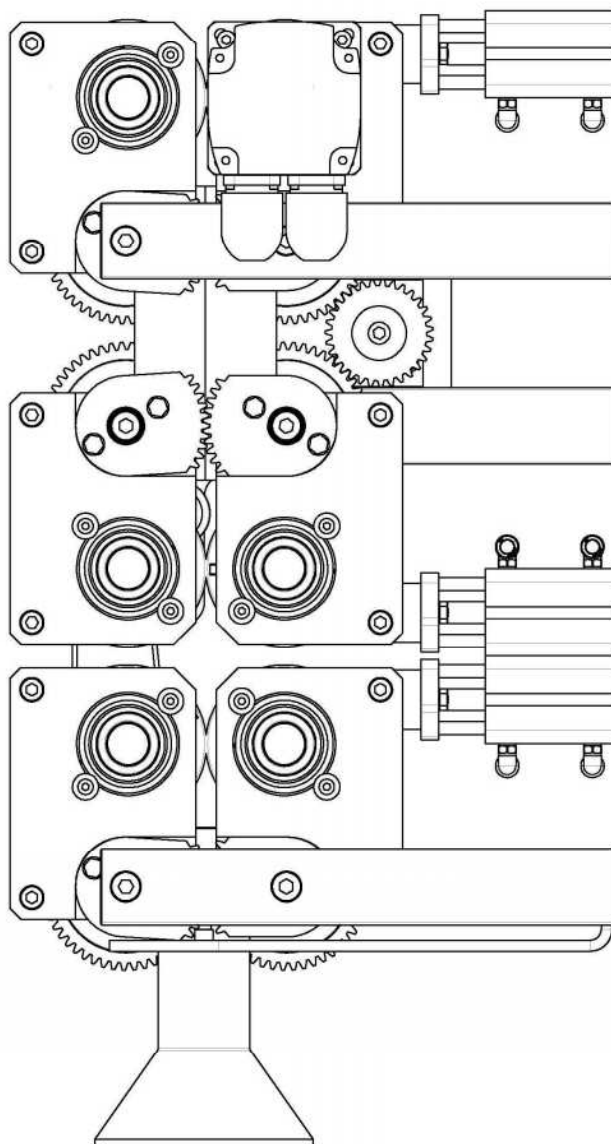
902-15-001 / FEED UNIT

View of the Feed Unit (Transmission side)
Direction of Wood Throughput



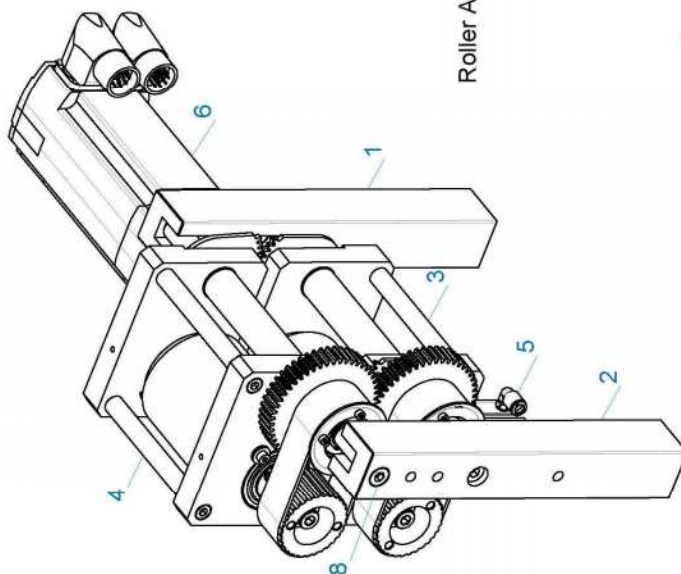
902-15-001 / FEED UNIT

View of the Feed Unit (Motor side)

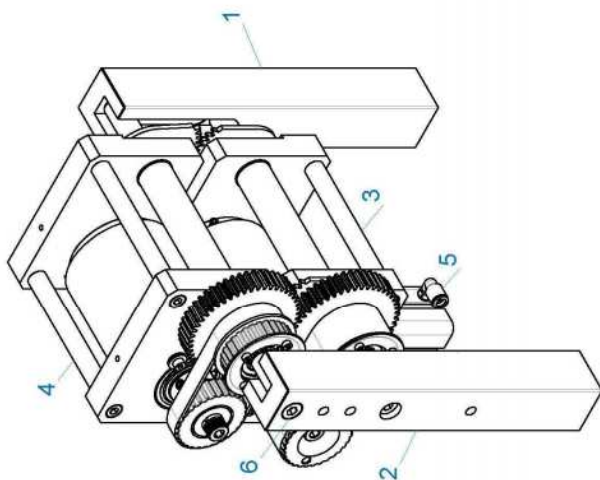


902-15-001 / FEED UNIT

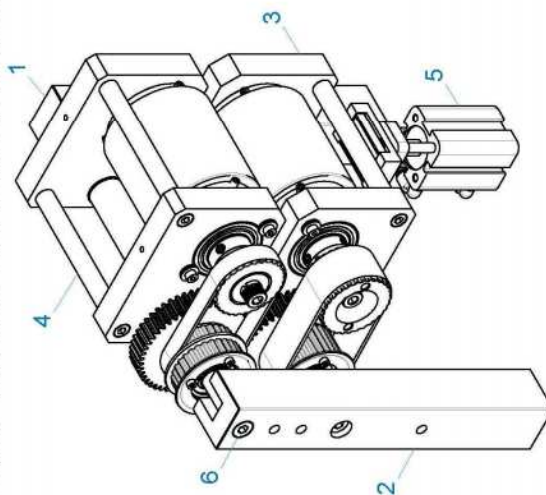
Roller Assembly no. 3 - Motorised (Pre-Cutting)



Roller Assembly no. 1 / Introduction (Inlet)



Roller Assembly no. 2 - Intermediate (Camera Output)



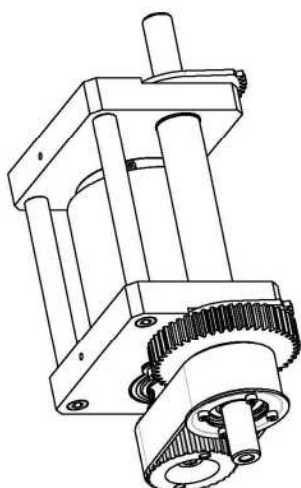
902-15-001 / FEED UNIT

No.	Reference	Description	Qty
-	902-15-001-1	Roller Assembly no. 1 - Introduction (Inlet)	1
1	012-01-010	Roller Assembly Right Foot	1
2	012-01-011	Roller Assembly Left Foot	1
3	902-15-001-1.1	Lower Roller / Roller Assembly no. 1 (Inlet)	1
4	902-15-001-1.2	Upper Roller / Roller Assembly no. 1 (Inlet)	1
5	902-15-001-8	Roller Hydraulic Pusher - Assembly	1
6	-	Hexagon socket head cap screw ISO 4762 - M8 x 25	4

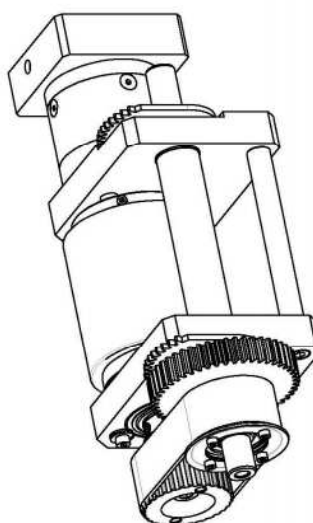
No.	Reference	Description	Qty
-	902-15-001-2	Roller Assembly no. 2 - Intermediate (Camera Output)	1
1	012-01-010	Roller Assembly Right Foot	1
2	012-01-011	Roller Assembly Left Foot	1
3	902-15-001-2.1	Lower Roller / Roller Assembly no. 2 (Intermediate)	1
4	902-15-001-2.2	Upper Roller / Roller Assembly no. 2 (Intermediate)	1
5	902-15-001-8	Roller Hydraulic Pusher - Assembly	1
6	-	Hexagon socket head cap screw ISO 4762 - M8 x 25	4

No.	Reference	Description	Qty
-	902-15-001-3	Roller Assembly no. 3 - Motorised (Pre-Cutting)	1
1	012-01-010	Roller Assembly Right Foot	1
2	012-01-011	Roller Assembly Left Foot	1
3	902-15-001-3.1	Lower Roller / Roller Assembly no. 3 - Motorised (Pre-Cutting)	1
4	902-15-001-3.2	Upper Roller / Roller Assembly no. 3 - Motorised (Pre-Cutting)	1
5	902-15-001-8	Roller Hydraulic Pusher - Assembly	1
6	BMH0703T07A2A	Brushless Synchronous Servomotors 70mm 230VAC 900W (with Encoder)	1
7	-	Hexagon socket head cap screw ISO 4762 - M5 x 16	4
8	-	Hexagon socket head cap screw ISO 4762 - M8 x 25	4

Upper Roller 902-15-001-3.2



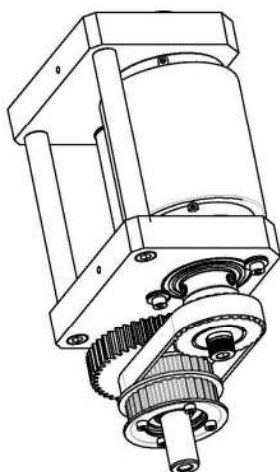
Motor Lower Roller 902-15-001-3.1



1 SET PER MACHINE

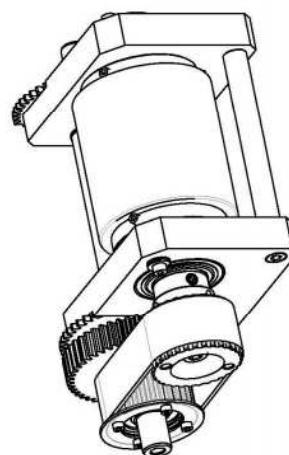
Upper Rollers > Plastic Pulleys

Upper Roller 902-15-001-2.2



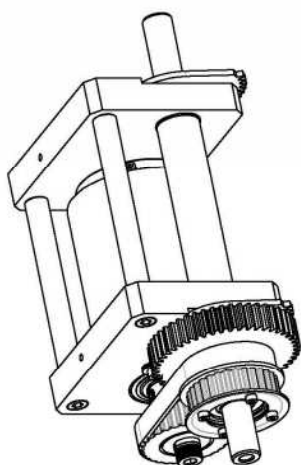
Lower Rollers > Metal Pulleys

Lower Roller 902-15-001-2.1

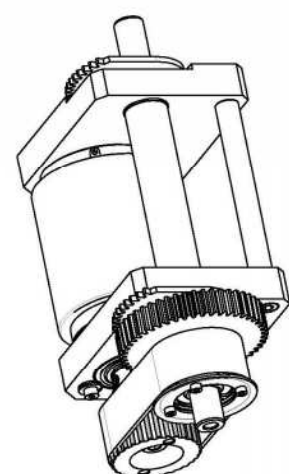


1 SET PER MACHINE

Upper Roller 902-15-001-1.2

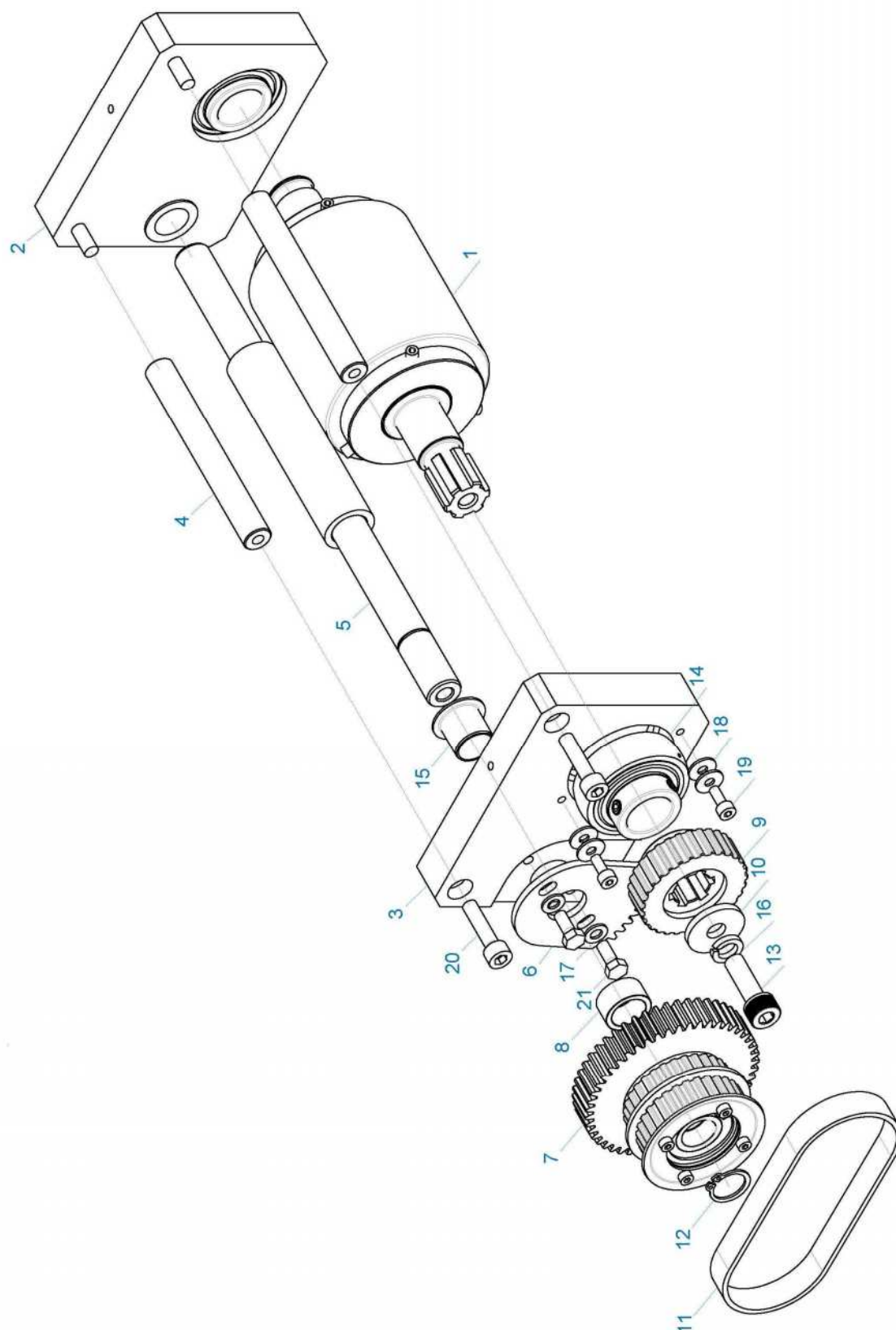


Lower Roller 902-15-001-1.1



1 SET PER MACHINE

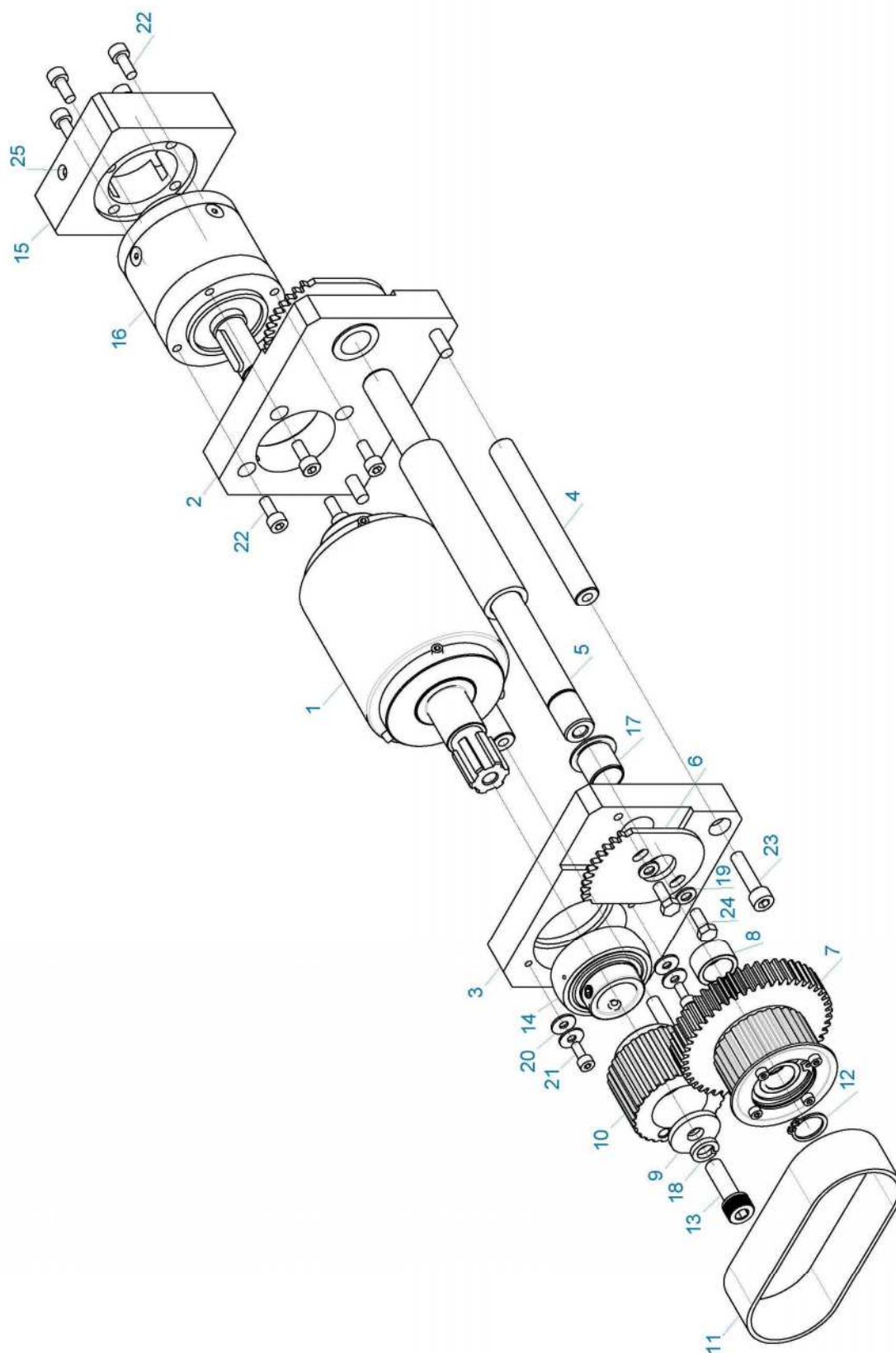
902-15-001-2.2 / Upper Roller / Roller Assembly no. 2 - Intermediate (Camera Output)



902-15-001-2.2 / Upper Roller / Roller Assembly no. 2 - Intermediate (Camera Output)

No.	Reference	Description	Qty
1	012-01-002-012-013	Driven Roller	1
2	012-01-004	Flange 2 (Log. Bearing)	1
3	012-01-005	Flange 3 (Log. Bearing) (Sym. Flange 2)	1
4	012-01-007	Roller Flange Spacer	2
5	012-01-009	Upper Pivot Pin	1
6	012-01-014	Balancing Rack	2
7	012-01-015P * Auxiliaries	Transmission Gearset (Metal)	1
8	012-01-019	Roller Transmission Spacer	1
9	012-01-020	Grooved Transmission Pulley (12mm)	1
10	012-01-021-B	Washer Ø8.2 x Ø25 x 3 (Transmission Pulley)	1
11	012-01-035	T5 Belt - 56Z, Lp. 280 x 12, Aramid	1
12	471-Gross-15	Circlip for shaft NF E 22-165/DIN 471 - Steel - Ø15	1
13	4762-AZ-3x25	Hexagon socket head cap screw DIN 912 / ISO 4762 - M8 x 25 (12.9)	1
14	AA1204714 * Screw	Spherical Self-Aligning Ball Bearing with Lock - 20 x 17 x 14 * Screw	2
15	WFM-1517-17 / 012-01-025	Flanged Plain Bearing, Igitdur W300, Ø15-17-L17	2
16	-	Spring washer - W NF E 25-515 - 8	1
17	-	Flat washer ISO 7009 - 5	4
18	-	Flat washer ISO 7003 - 4	8
19	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	4
20	-	Hexagon socket head cap screw ISO 4762 - M6 x 25	4
21	-	Hexagon head screw ISO 4017 - M5 x 12	4

902-15-001-3.1 / Lower Roller / Roller Assembly no. 3 - Motorised (Pre-Cutting)

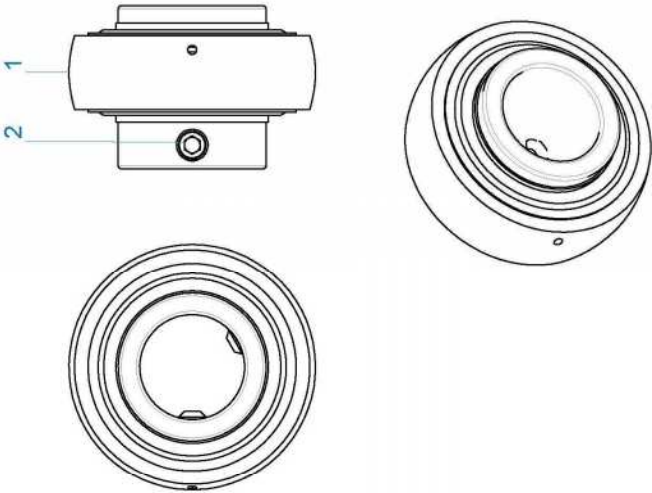


902-15-001-3.1 / Lower Roller / Roller Assembly no. 3 - Motorised (Pre-Cutting)

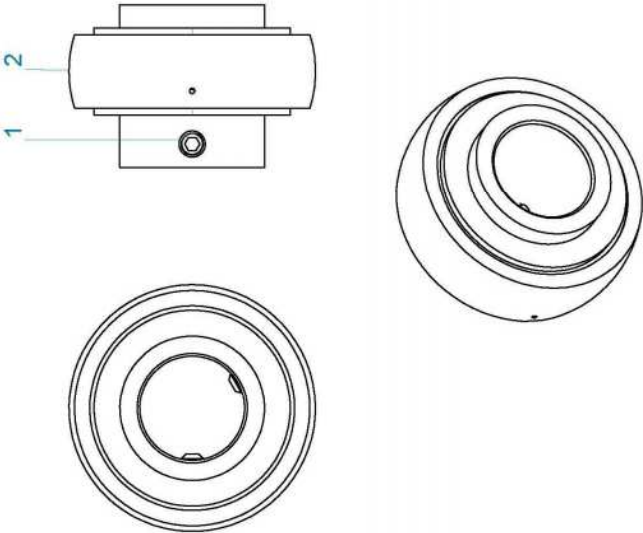
No.	Reference	Description	Qty
1	012-01-001+012+013	Motor Roller	1
2	012-01-003	Flange 1 (Log. Motor)	1
3	012-01-005	Flange 3 (Log. Bearing)(Sym. Flange 2)	1
4	012-01-007	Roller Flange Spacer	2
5	012-01-008	Lower Pivot Pin	1
6	012-01-014	Balancing Rack	2
7	012-01-015 + Auxiliaries	Transmission Gearset (Metal)	1
8	012-01-019	Roller Transmission Spacer	1
9	012-01-021-B	Washer Ø6.2 x Ø25 x 3 (Transmission Pulley)	1
10	012-01-033	Grooved Transmission Pulley (26mm)	1
11	012-01-038	T5 belt -56Z/Lp 280 x 26, Aramid	1
12	471-Gross-15	Circlip for shaft NF E 22-165/DIN 471 - Steel - Ø15	1
13	4762-AZ-B-25	Hexagon socket head cap screw DIN 912 / ISO 4762 - M8 x 25 (12.9)	1
14	AAL204714 + Screw	Spherical Self-Aligning Ball Bearing with Lock - 20x47x14 - Screw	1
15	GBK0600703F	Planetary Gear Reducer Flange for BMH/BMP Motor 703 Series	1
16	GBX060008K	Planetary Gear Reducer 60mm - 8.1	1
17	WFM-1517-17 / 012-01-025	Flanged Plain Bearing, Igidur W300, Ø15-17-L17	2
18	-	Spring washer - W. NF E 25-515 - 8	1
19	-	Flat washer ISO 7089 - 5	4
20	-	Flat washer ISO 7093 - 4	4
21	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	2
22	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	8
23	-	Hexagon socket head cap screw ISO 4762 - M6 x 25	4
24	-	Hexagon head screw ISO 4017 - M5 x 12	4
25	-	Hexagon socket set screw ISO 4026 - M8 x 10	1

AAL204714 / Spherical Self-Aligning Ball Bearing with Lock

No.	Reference	Description	Qty
1	AAL204714	Spherical Self-Aligning Ball Bearing with Lock - SKF - 20x47x31/14	1
2	916_0.75-6x6	Hexagon socket set screw with cup point ISO 4029 / DIN 916 - M6x0.75 x 6	2

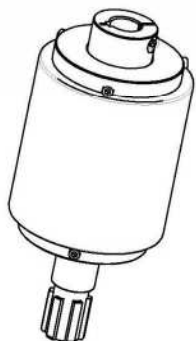


No.	Reference	Description	Qty
2	AAL204714	Spherical Self-Aligning Ball Bearing with Lock - INA - 20x47x14/31	1
1	916-AZ-5x6	Hexagon socket set screw with cup point ISO 4029 / DIN 916 - M5 x 6	2



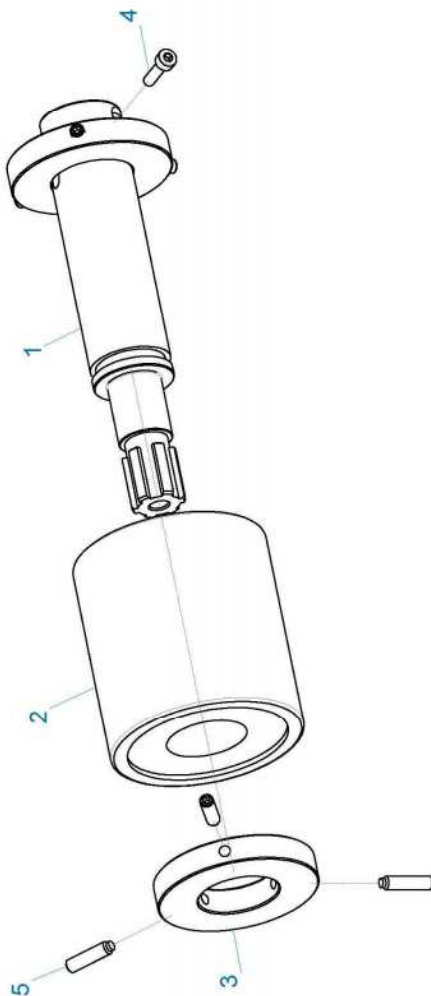
012-01-001+012+013 & 012-01-002+012+013 / Motor Roller & Driven Roller

Motor Roller



012-01-002

Driven Roller



012-01-001+012+013 & 012-01-002+012+013 / Motor Roller & Driven Roller

No.	Reference	Description	Qty
-	012-01-001+012+013	Motor Roller	1
1	012-01-001	Drive Motor Roller Shaft	1
2	012-01-012 / 002-03-002	Rubber Sleeve Ø72-30-L75 (Roller)	1
3	012-01-013 / 002-03-008-6	Sleeve Pressure Disc	2
4	4762-AZ-4x16	Hexagon socket head cap screw DIN 912 / ISO 4762 - M4 x 16 (12.9)	1
5	-	Hexagon socket set screw ISO 4028 - M5 x 20	6

No.	Reference	Description	Qty
-	012-01-002+012+013	Driven Roller	1
1	012-01-002	Driven Roller Shaft	1
2	012-01-012 / 002-03-002	Rubber Sleeve Ø72-30-L75 (Roller)	1
3	012-01-013 / 002-03-008-6	Sleeve Pressure Disc	2
4	-	Hexagon socket set screw ISO 4028 - M5 x 20	6

012-01-015 / 015P + Auxiliaries / Transmission Gearset (Metal or Plastic)

Configuration for 1 Belt 26mm (x4 per Machine)

(x3) Metal
(x1) Plastic

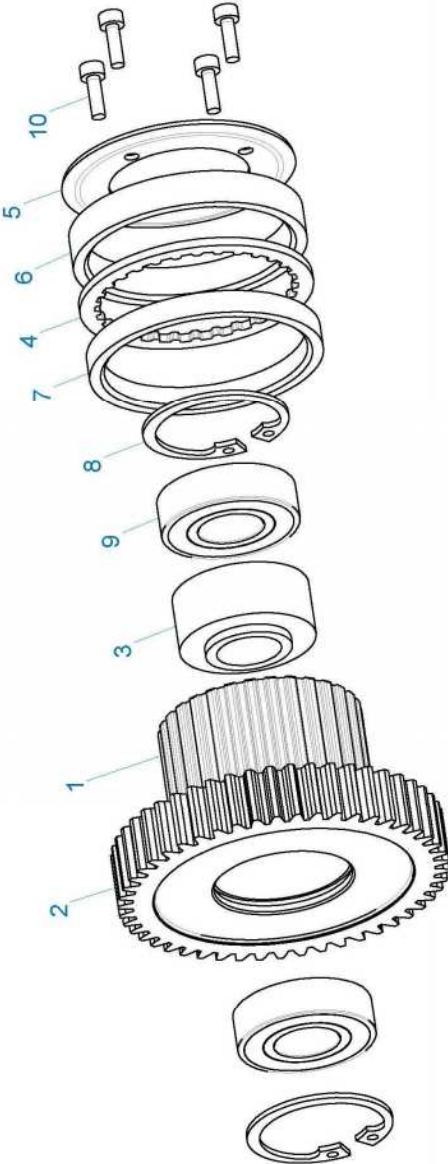
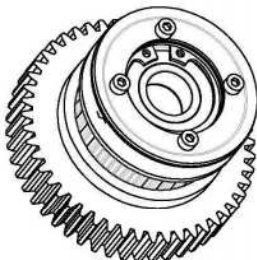


Configuration for 2 Belts (x2 per Machine)

(x2) Plastic



Configuration for Conveyor (x1 per Machine)

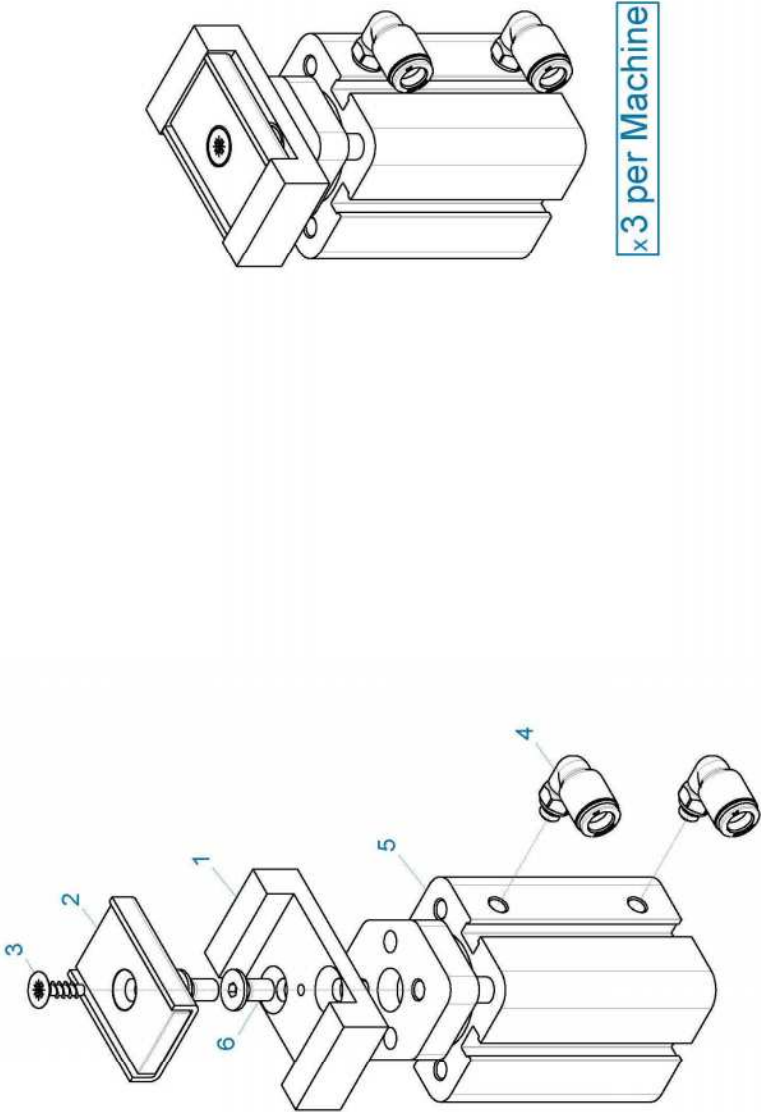


Transmission Gearset (Metal or Plastic)

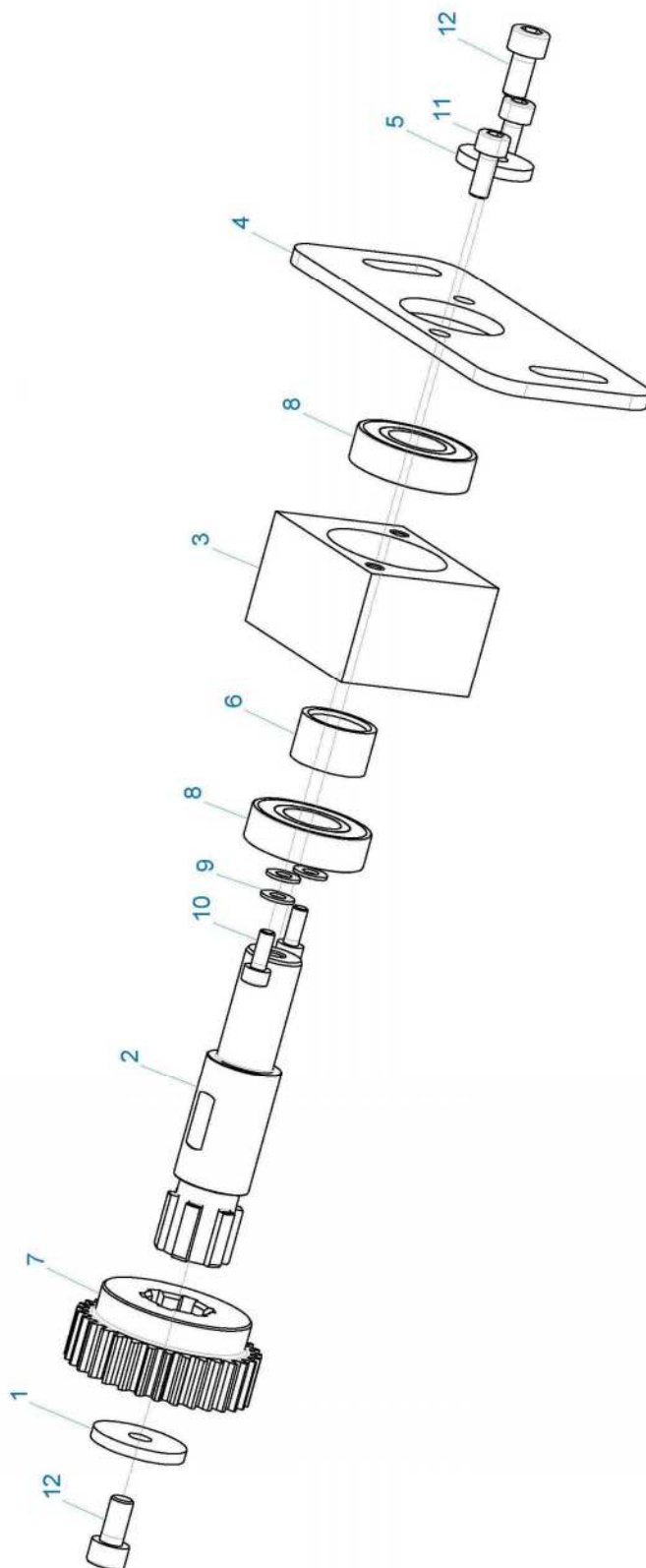
No.	Reference	Description	Qty
1	012-01-015	Triple Metal Pulley	1
2	012-01-015P	Triple Plastic Pulley	1
3	012-01-016	Triple Pulley Bearing Spacer	1
4	012-01-017	T5 Ribbed Mobile Flange	1
5	012-01-018	Triple Pulley Flange	1
6	012-05-084	Conveyor Belt Spacer 1	1
7	012-05-085	Conveyor Belt Spacer 2	1
8	472-Gross-32	Circip for bore hole NFE 22-163/DIN 472 - Plain Steel - Ø32	2
9	6002-2RS	Single-Row Ridge Ball Bearing, Sealed - 15x32x9	2
10	-	Hexagon socket head cap screw ISO 4762 - M3 x 10	4

902-15-001-8 / Roller Hydraulic Pusher - Assembly

No.	Reference	Description	Qty
1	012-01-023	Teflon Magnet Support	1
2	012-01-024	25x30x7 Magnet for Actuator	1
3	141340.12PH	Countersunk screw for plastic Phillips WN 1413 - Zn - Ø4 x 12	1
4	PN.RAL.M5M.6F	Air-bleed Elbow Fitting M5 - Ø6F	2
5	PN.VER.25.20.G	Compact Cylinder, Double Acting, Guided - Ø25-C20 (Asco)	1
6	-	Hexagon socket countersunk screw ISO 10642 - M5 x 10	2



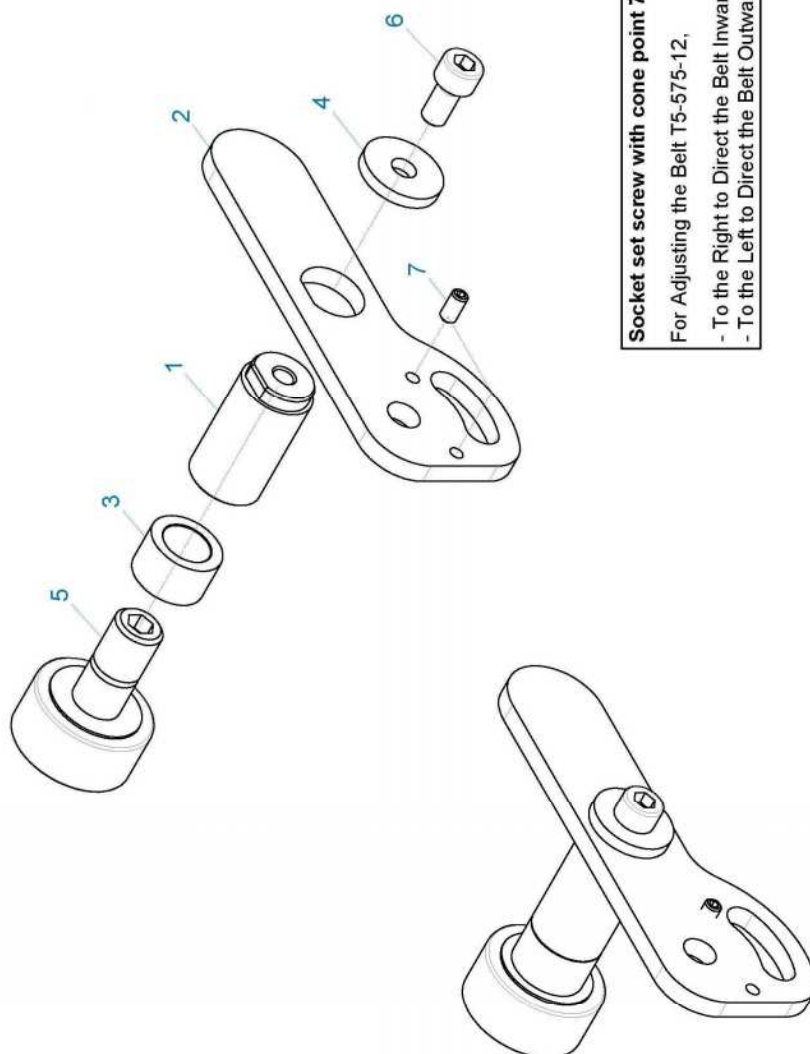
902-15-001-6 / Intermediate Transmission Case (with Gears)



902-15-001-6 / Intermediate Transmission Case (with Gears)

No.	Reference	Description	Qty
1	012-01-021	Washer Ø6.2 x Ø25 x 3	1
2	012-01-026	Intermediate Transmission Pin	1
3	012-01-027	Intermediate Transmission Support Unit	1
4	012-01-028	Intermediate Transmission Support Flange	1
5	012-01-032	Washer Ø6.2 x Ø20 x 3	1
6	012-01-054	Intermediate Transmission Bearing Spacer	1
7	012-01-058	Intermediate Sprocket M1.5, 31dts (Øp46.5; Øe49.5)	1
8	6002-2RS	Single-Row Ridge Ball Bearing, Sealed - 15x32x9	2
9	-	Flat washer ISO 7089 - 4	4
10	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	2
11	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	2
12	-	Hexagon socket head cap screw ISO 4762 - M6 x 12	2

902-15-001-7 / Belt Tensioner T5-Lp.575-12



Socket set screw with cone point 7:

For Adjusting the Belt T5-575-12,

- To the Right to Direct the Belt Inwards
- To the Left to Direct the Belt Outwards

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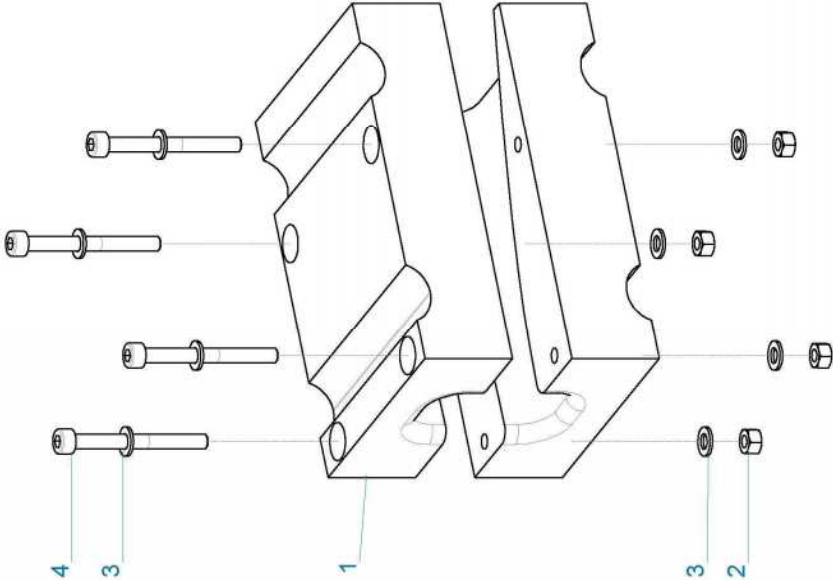
902-15-001-7 / Belt Tensioner T5-Lp.575-12

No.	Reference	Description	Qty
1	012-01-029	Belt Tensioner Threaded Pin 575	1
2	012-01-030	Belt Tensioner Lever 575 x 12	1
3	012-01-031	Belt Tensioner Spacer 575 x 12	1
4	012-01-032	Washer 06.2 x Ø20 x 3	1
5	GC-CA-301240	Cam Roller with Needle Roller Bearing on Pin-Ø30x12x40	1
6	-	Hexagon socket head cap screw ISO 4762 - M6 x 12	1
7	-	Hexagon socket set screw ISO 4026 - M4 x 8	1

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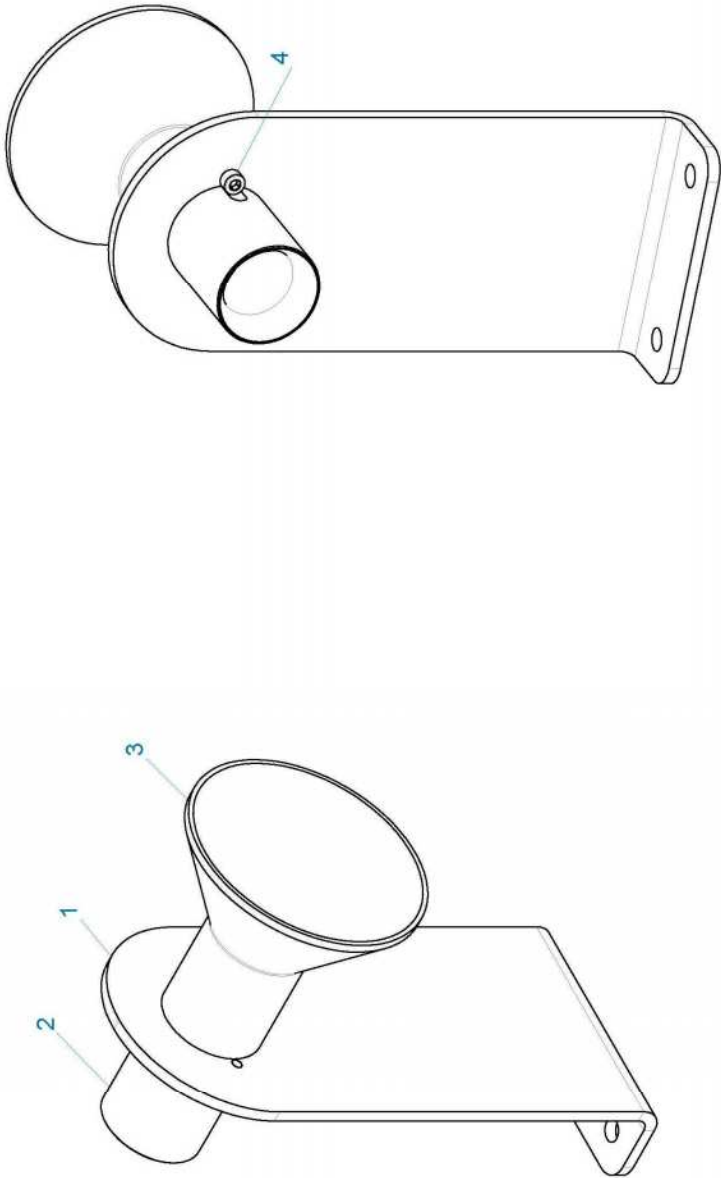
902-15-001-5 / Central Guide (Intermediate)

No.	Reference	Description	Qty
1	012-01-041	Half Central Guide BM116	2
2	-	Hexagon nut ISO 4032 - M5	4
3	-	Flat washer ISO 7089 - 5	8
4	-	Hexagon socket head cap screw ISO 4762 - M5 x 50	4



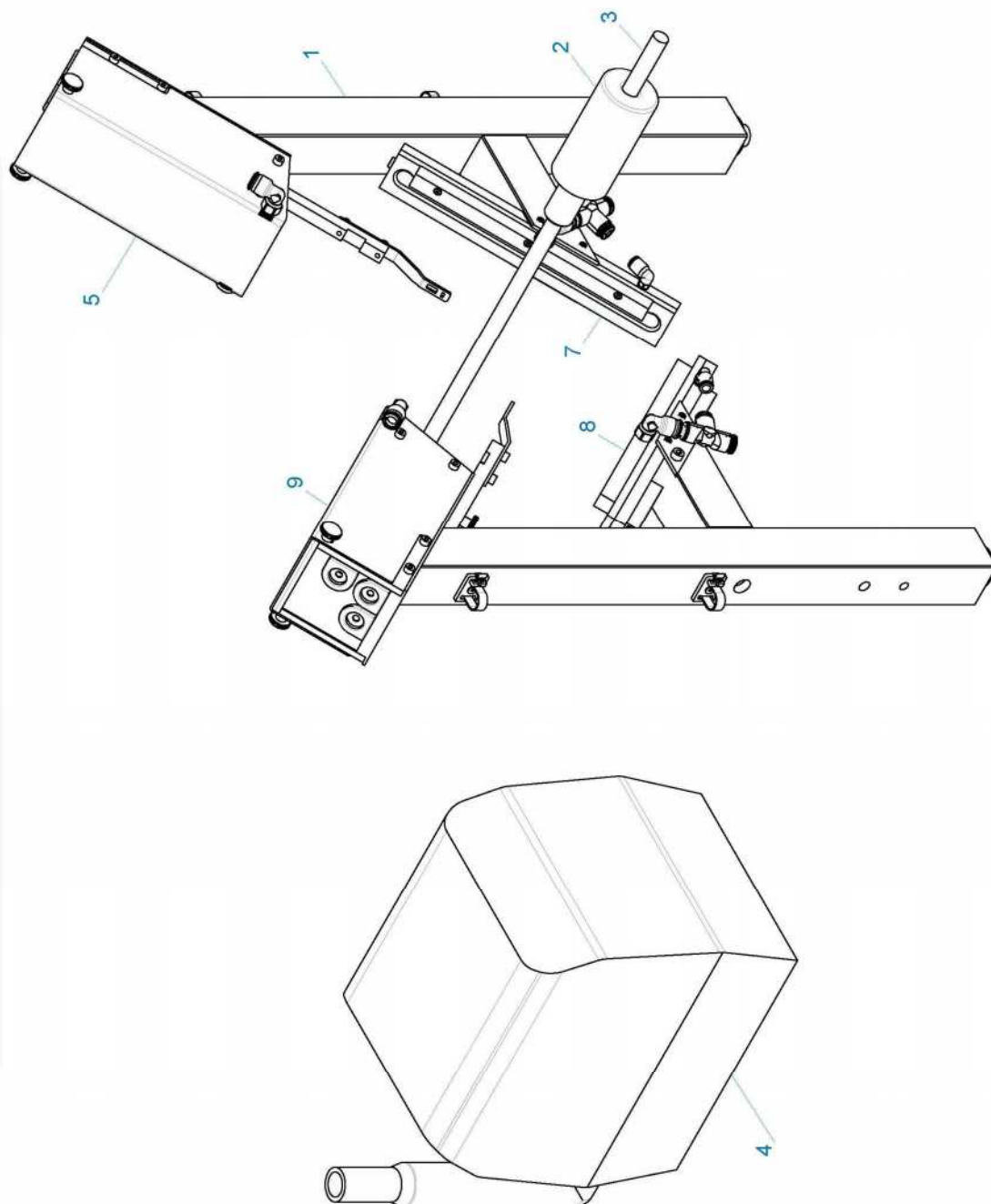
902-15-001-4 / Inlet Guide

No.	Reference	Description	Qty
1	012-01-042	Inlet Guide Holder	1
2	012-01-043	Inlet Guide - Part 1	1
3	012-01-044	Inlet Guide - Part 2	1
4	912-AZ-5x5	Hexagon socket head cap screw ISO 4762 - M5 x 5	2



2.3 Vision unit

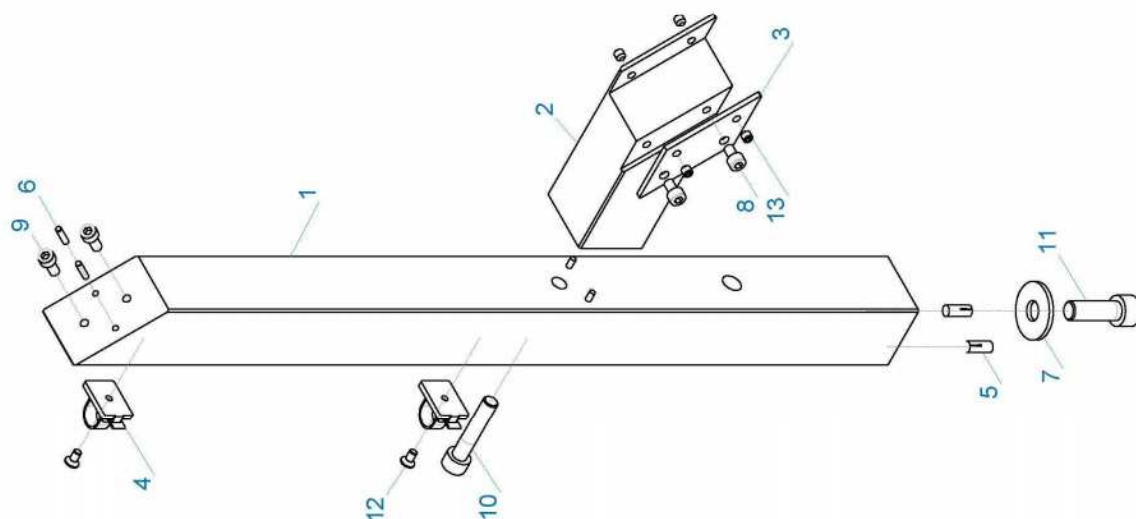
902-15-002 / VISION UNIT



902-15-002 / VISION UNIT

No.	Reference	Description	Qty
1	012-02-001+002+009	Camera Stand + Lighting Arm	1
2	012-02-016	Screw-on Moving Standard Guide	1
3	012-02-017	Moving Standard Ø12 x L600	1
4	012-02-023	Diaphragm Compressor 150 L/min	1
5	902-15-002-1D	Right Camera Case	1
9	902-15-002-1G	Left Camera Case	1
7	902-15-002-2D	Right LED Housing	1
8	902-15-002-2G	Left LED Housing	1

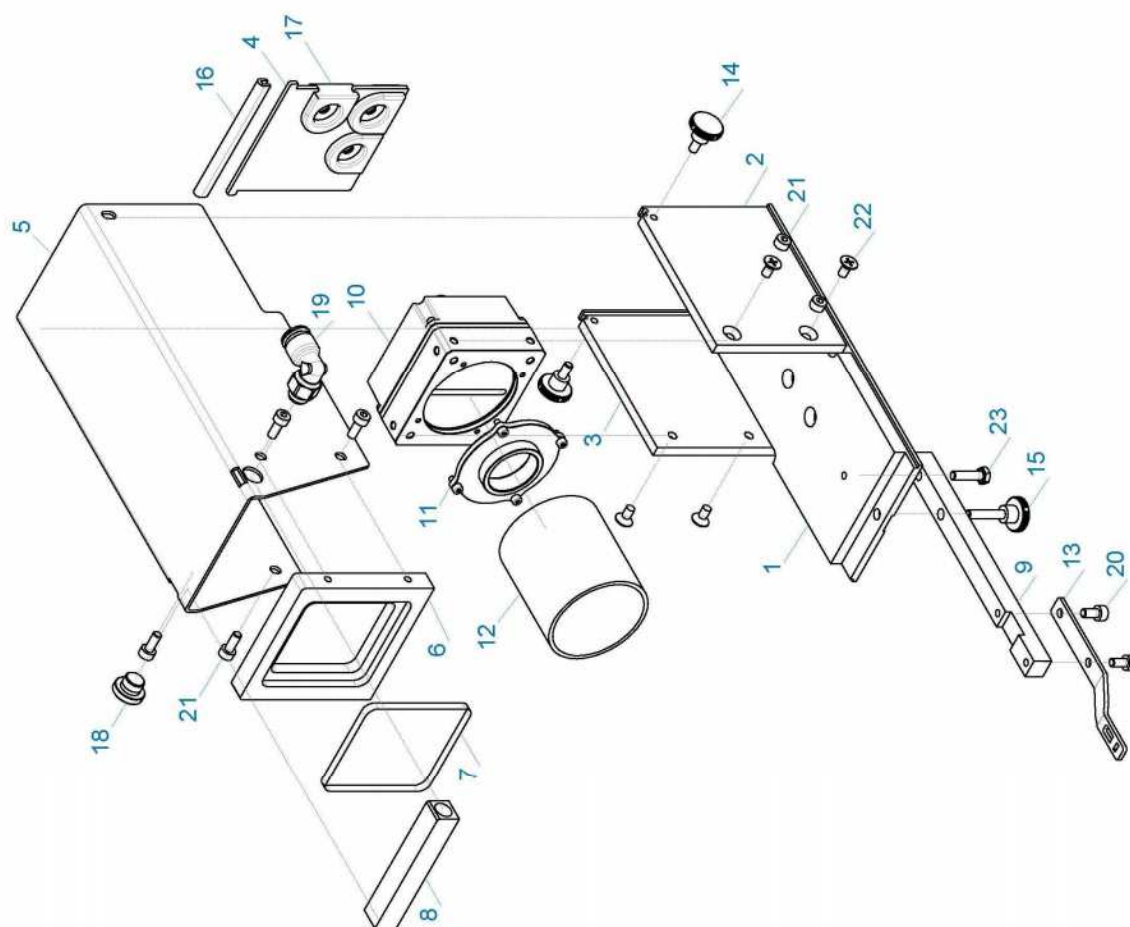
012-02-001+002+009 / Camera Stand + Lighting Arm



012-02-001+002+009 / Camera Stand + Lighting Arm

No.	Reference	Description	Qty
1	012-02-001	Camera Stand	1
2	012-02-002	Lighting Arm	1
3	012-02-009	LED Arm connection	1
4	012-07-014	Reusable Cable Tie Clip, Nylon, 17mm Max	2
5	-	Grooved pin ISO 8741 - 6 x 16	2
6	-	Roll pin ISO 2338 - A - 3 x 14	4
7	-	Flat washer ISO 7093 - 10	1
8	-	Hexagon socket head cap screw ISO 4762 - M5 x 8	2
9	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	2
10	-	Hexagon socket head cap screw ISO 4762 - M8 x 40	1
11	-	Hexagon socket head cap screw ISO 4762 - M10 x 30	1
12	-	Hexagon socket countersunk screw ISO 10642 - M4 x 8	2
13	-	Hexagon socket set screw ISO 4029 - M5 x 5	4

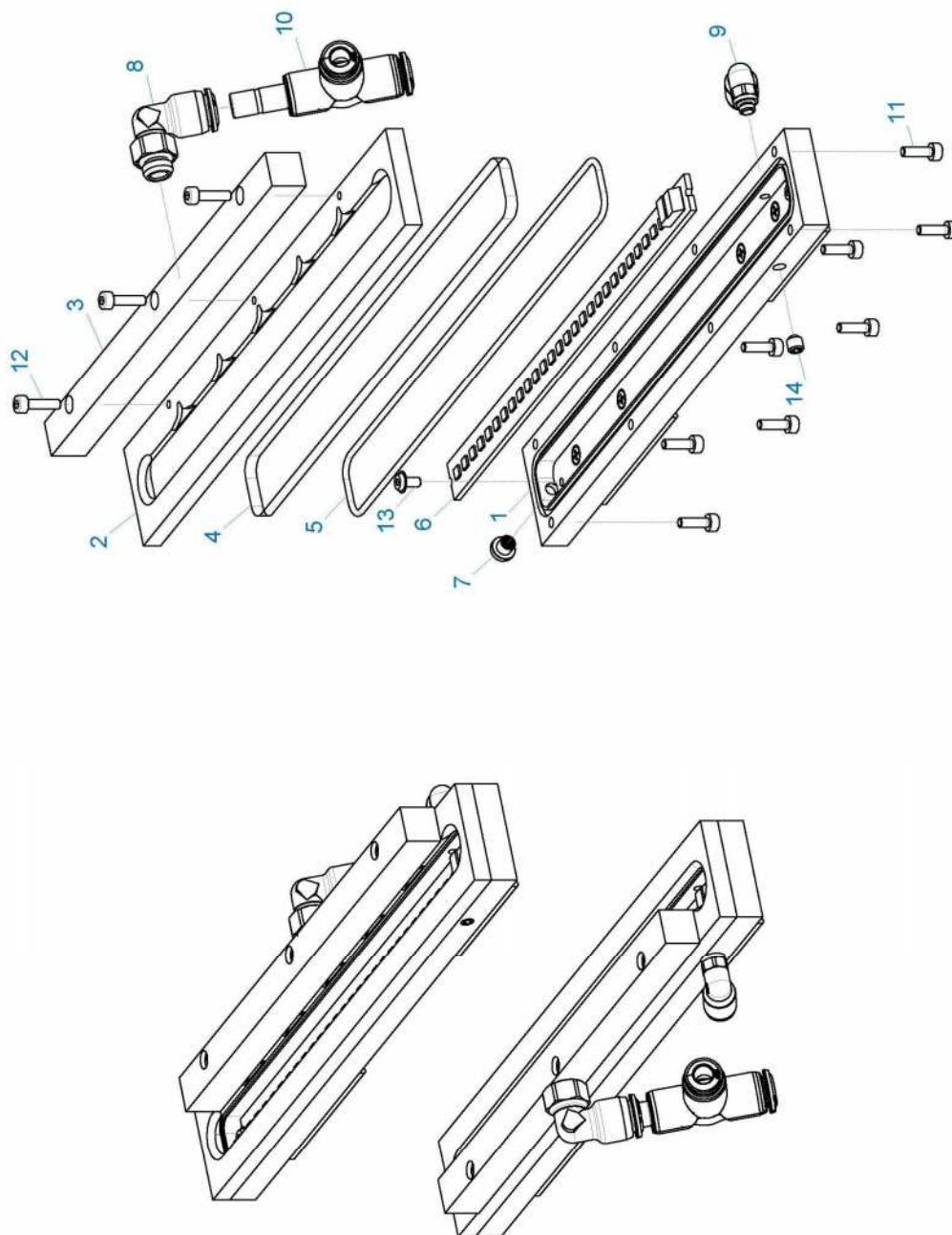
902-15-002-1D / Right Camera Case



902-15-002-1D / Right Camera Case

No.	Reference	Description	Qty
1	012-02-003-1	Camera Base Plate	1
2	012-02-003-2	Left Side of Base Plate	1
3	012-02-003-3	Right Side of Base Plate	1
4	012-02-003-4	Camera Case Rear Cover	1
5	012-02-003-5	Camera Cover	1
6	012-02-003-6	Camera Case Front Casing	1
7	012-02-003-7	Camera Case Glass	1
8	012-02-003-8	Blow Pipe	1
9	012-02-003-9	Camera Standard Support	1
10	012-02-004-1	Linescan Camera Racer GigE 2K Pixel, 51kHz, Monochrome	1
11	012-02-004-2	Fujinon Lens Adaptor for Basler Racer Camera	1
12	012-02-004-3	Fujinon Lens 35mm	1
13	012-02-007	Camera Standard	1
14	012-02-011	Stainless Steel Knurled Shoulder Screw M4 x 8	2
15	012-02-012	Stainless Steel Knurled Shoulder Screw M4 x 20	1
16	012-02-035	Camera Sheet-Metal Edge Seal (Sheet Metal 2 x L, 72mm)	1
17	0146-0321-010	Sheet Metal Edge Grommet 121475 TPE	3
18	PN.RA.CHC G1/8M.B	Male Cyl. CHC plug G1/8	1
19	PN.RA.L G1/8M.8F	Cyl. Air-bleed Elbow Fitting 1/8M-Ø8F	1
20	-	Hexagon socket head cap screw ISO 4762 - M4 x 8	2
21	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	8
22	-	Cross recessed countersunk head screw ISO 7046 - M4 x 8	4
23	-	Hexagon head screw ISO 4017 - M4 x 16	1

902-15-002-2D&G / Right & Left LED Housing

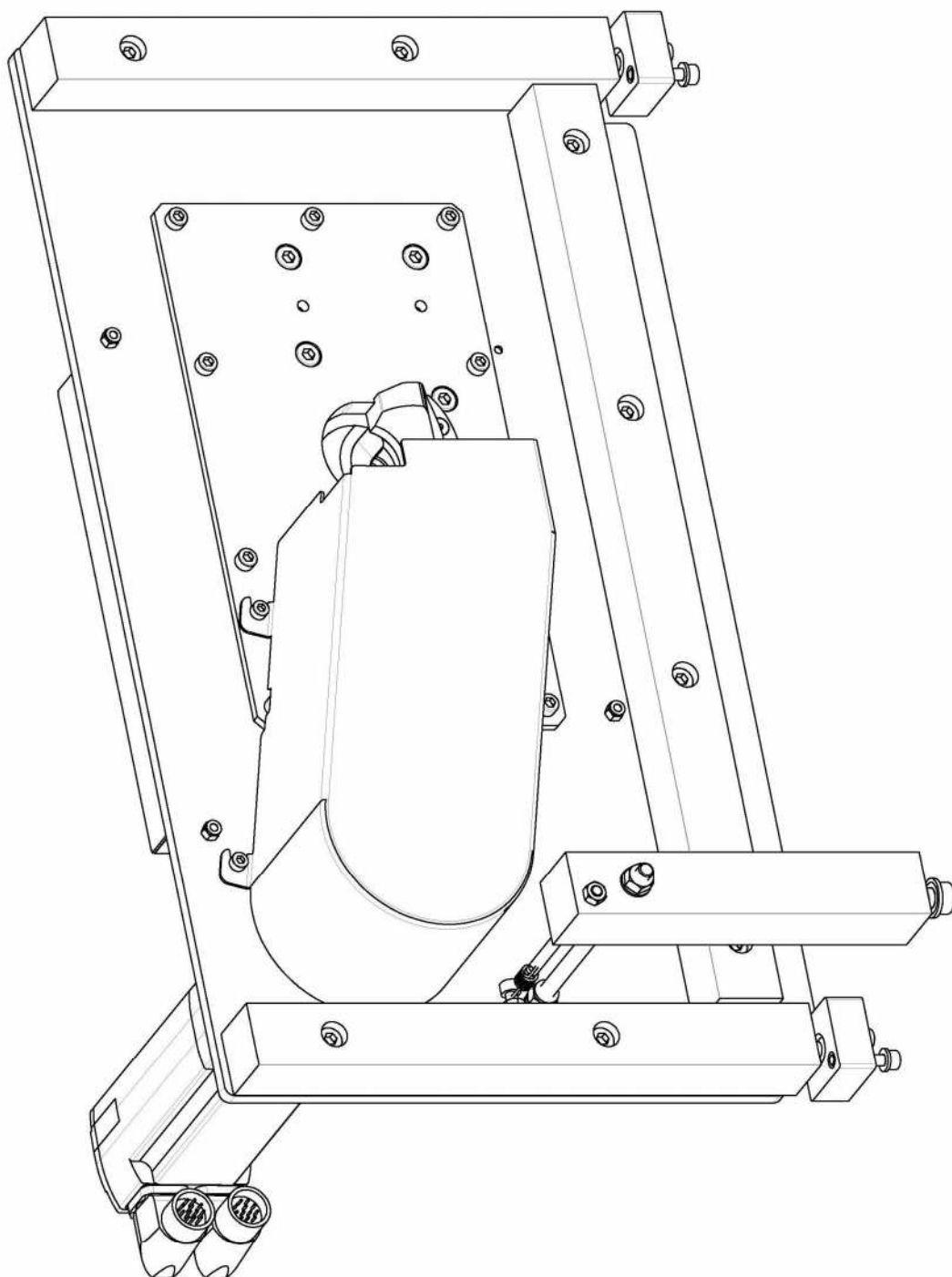


902-15-002-2D&G / Right & Left LED Housing

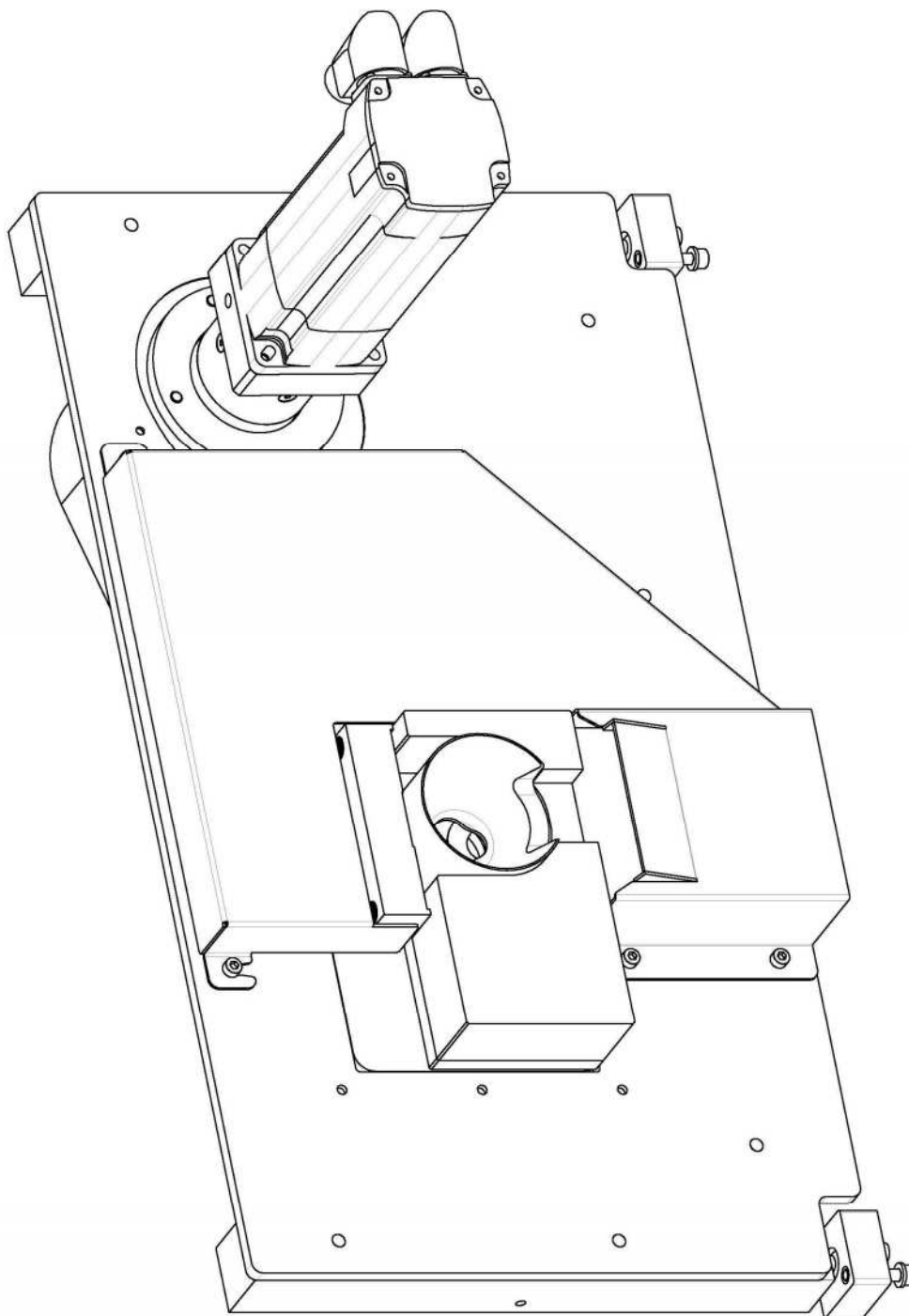
No.	Reference	Description	Qty
1	012-02-005-1	Lower Housing	1
2	012-02-005-2	LED Housing Cover	1
3	012-02-005-3	Blowing Line	1
4	012-02-005-4	LED Housing Glass	1
5	012-02-005-5	O-ring Ø2, L 475mm	1
6	012-02-006	LED Strip - 208 x 13	1
7	PN.RA.L.M5M.S	Metric Male Compact Silencer M5x0.8	1
8	PN.RA.L.G1/8M.8F	Cyl. Air-bleed Elbow Fitting 1/8M-Ø8F	1
9	PN.RA.L.M5M.6F	Cyl. Air-bleed Elbow Fitting Male M5 - Ø6F	1
10	PN.RA.T.8M.6F.8F	T-Fitting with Plug-in End Ø8M-Ø6F-Ø8F	1
11	-	Hexagon socket head cap screw ISO 4762 - M3 x 10	8
12	-	Hexagon socket head cap screw ISO 4762 - M3 x 12	3
13	-	Flat hexagon socket head cap screws with smooth socket base ISO 73802 - M3 x 6	2
14	-	Hexagon socket set screw ISO 4029 - M5 x 5	1

2.4 Cutting unit

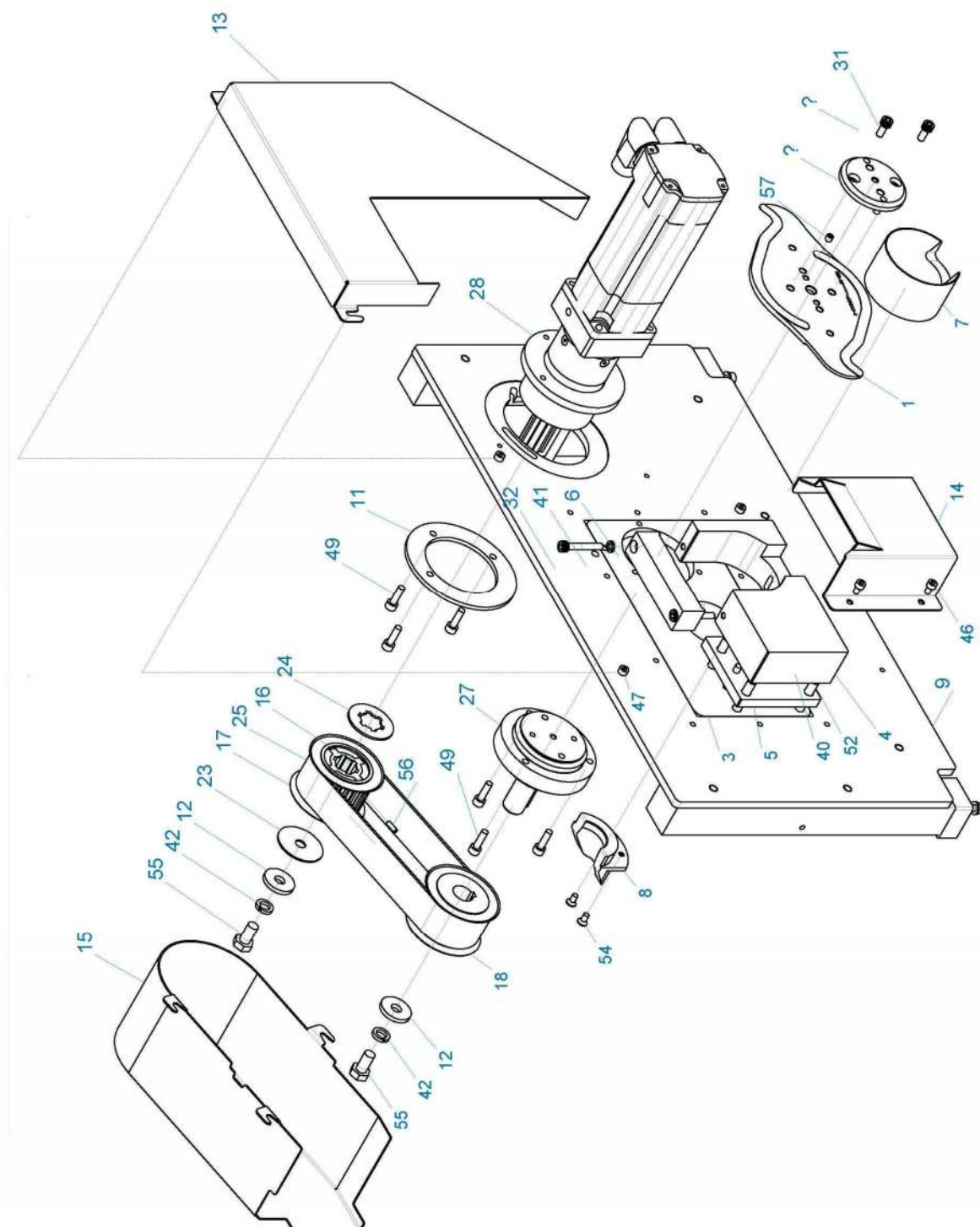
902-15-003 / CUTTING UNIT



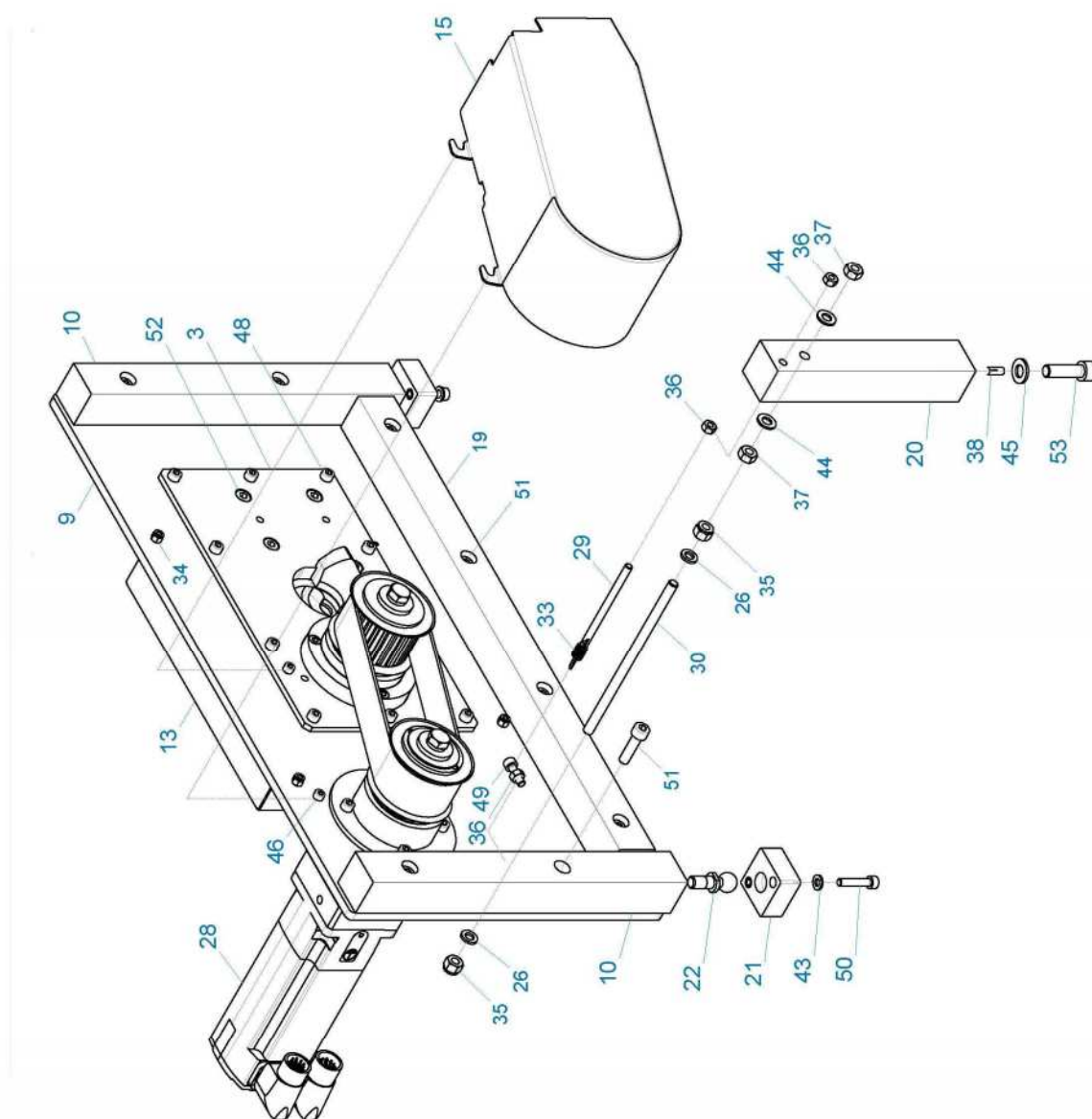
902-15-003 / CUTTING UNIT



902-15-003 / CUTTING UNIT



902-15-003 / CUTTING UNIT



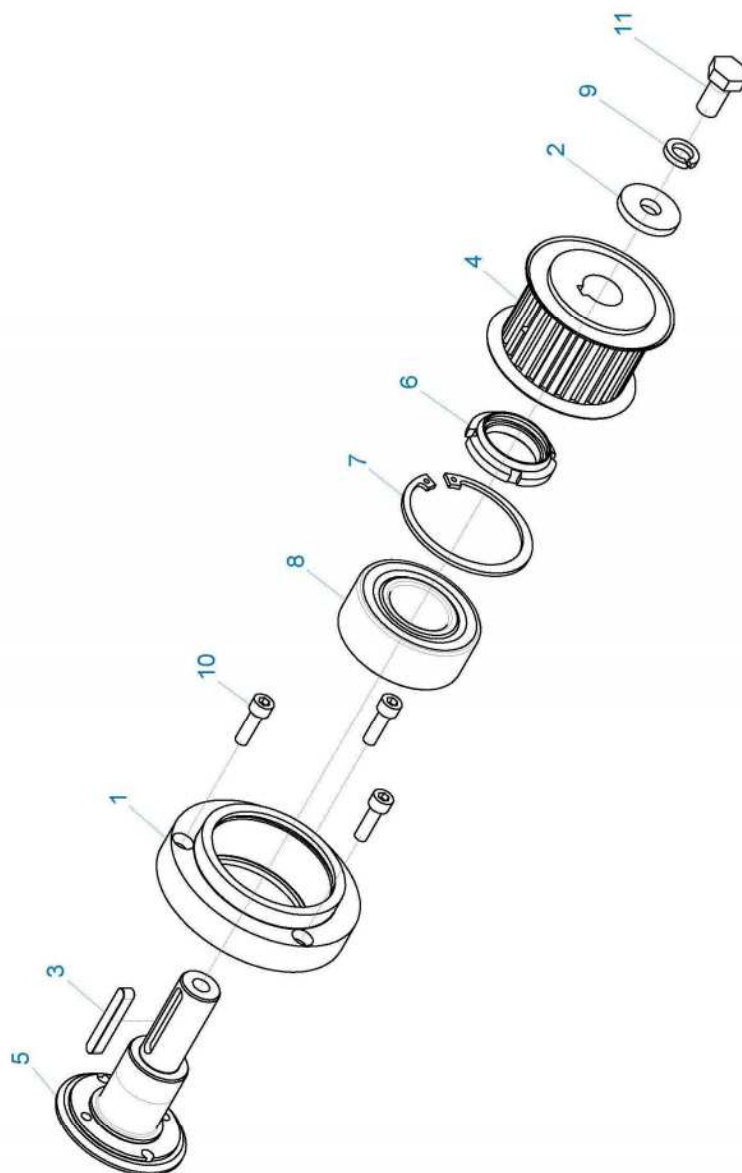
902-15-003 / CUTTING UNIT

No.	Reference	Description	Qty
1	012-03-001	Inverted Blade (Rotary Cutting)	1
58	012-03-003	Blade Holder Washer	1
3	012-03-005	Counter-Blade Holder Base	1
4	012-03-006-1	Lower Counter-Blade Holder	1
5	012-03-006-2	Counter-Blade Holder Spacer	1
6	012-03-006-3	Counter-Blade Clamp	1
7	012-03-015P	Counter Blade V2	1
8	012-03-008	Cut Output Guide	1
9	012-03-011	Cutting Unit Support	1
10	012-03-012	Cutting Unit Support Foot	2
11	012-03-013	Motor housing washer	1
12	012-03-014	Pulley Washer Ø10x30	2
59	012-03-015	Key //, form A, NF E 22177, 6x6x40 - 42CrMo4	1
13	012-03-016	Blade Casing	1
14	012-03-017	Casing under Counter-Blade	1
15	012-03-018	Transmission case	1
16	012-03-020	Cutting Pulley Coupling	1
17	012-03-021	Cutting Motor Pulley	1
18	012-03-022	Blade Pulley	1
19	012-03-023	Cutting Unit Support Reinforcement Cross-Piece	1
20	012-03-024	Cut Swing Foot	1
21	012-03-025	Ball-Joint Base Ø10	2
22	012-03-026	Ball-joint Ø16 - Threaded M10	2
60	012-03-027	Blade Holder/Pulley Shaft	1
23	012-03-028	Coupling Washer	1
24	012-03-029	Coupling Washer 2	1
25	012-03-032	Polychain Belt 68 prongs Lp544	1
62	012-03-035	Softwood Inverted (Rotary Cutting)	1
63	012-03-041	Super Softwood Inverted (Rotary Cutting)	1
26	125-NY-8-14-2	Nylon Washer DIN 125 - Ø8x14x2	2
27	902-15-003-1	Blade Transmission Case + Auxiliaries	1
28	902-15-003-2	Motor Transmission Case + Auxiliaries	1
29	976-AZ-M6	Steel threaded steam Zn cl. 8.8 DIN 976 - M6 x 90	1
30	976-AZ-M8	Steel threaded steam Zn cl. 8.8 DIN 976 - M8 x 170	1
31	4762-AZ-6x14	Hexagon socket head cap screw DIN 912 / ISO 4762 - M6 x 14 (12.9)	2
32	4762-AZ-6x40	CHC screw DIN 912/ISO 4762 - M6 x 40(12.9)	2
33	FR3016	Pedal Spring for Bundler SP1 B30 B38 B60	1
34	-	Internally Braked Hex Nut ISO 7040 - M5	3
35	-	Internally Braked Hex Nut ISO 7040 - M8	2
36	-	Hexagon nut ISO 4032 - M6	3
37	-	Hexagon nut ISO 4032 - M8	2
38	-	Grooved pin ISO 8741 - 6 x 16	2
61	-	Grooved pin ISO 8741 - 6 x 18	2
40	-	Grooved pin ISO 8741 - 6 x 24	2
41	-	Spring washer - W, NF E 25-515 - 6	2

902-15-003 / CUTTING UNIT

No.	Reference	Description	Qty
42	-	Spring washer - W. NF E 25-515 - 10	2
43	-	Flat washer ISO 7089 - 6	4
44	-	Flat washer ISO 7089 - 8	2
45	-	Flat washer ISO 7089 - 10	1
46	-	Hexagon socket head cap screw ISO 4762 - M5 x 8	6
47	-	Hexagon socket head cap screw ISO 4762 - M5 x 16	3
48	-	Hexagon socket head cap screw ISO 4762 - M6 x 10	10
49	-	Hexagon socket head cap screw ISO 4762 - M6 x 20	7
50	-	Hexagon socket head cap screw ISO 4762 - M6 x 30	4
51	-	Hexagon socket head cap screw ISO 4762 - M8 x 30	8
52	-	Hexagon socket head cap screw ISO 4762 - M8 x 40	4
53	-	Hexagon socket head cap screw ISO 4762 - M10 x 35	1
54	-	Hexagon socket countersunk screw ISO 10642 - M5 x 10	2
55	-	Hexagon head screw ISO 4017 - M10 x 20	2
56	-	Hexagon socket set screw ISO 4026 - M4 x 12	4
57	-	Hexagon socket set screw ISO 4026 - M6 x 6	1

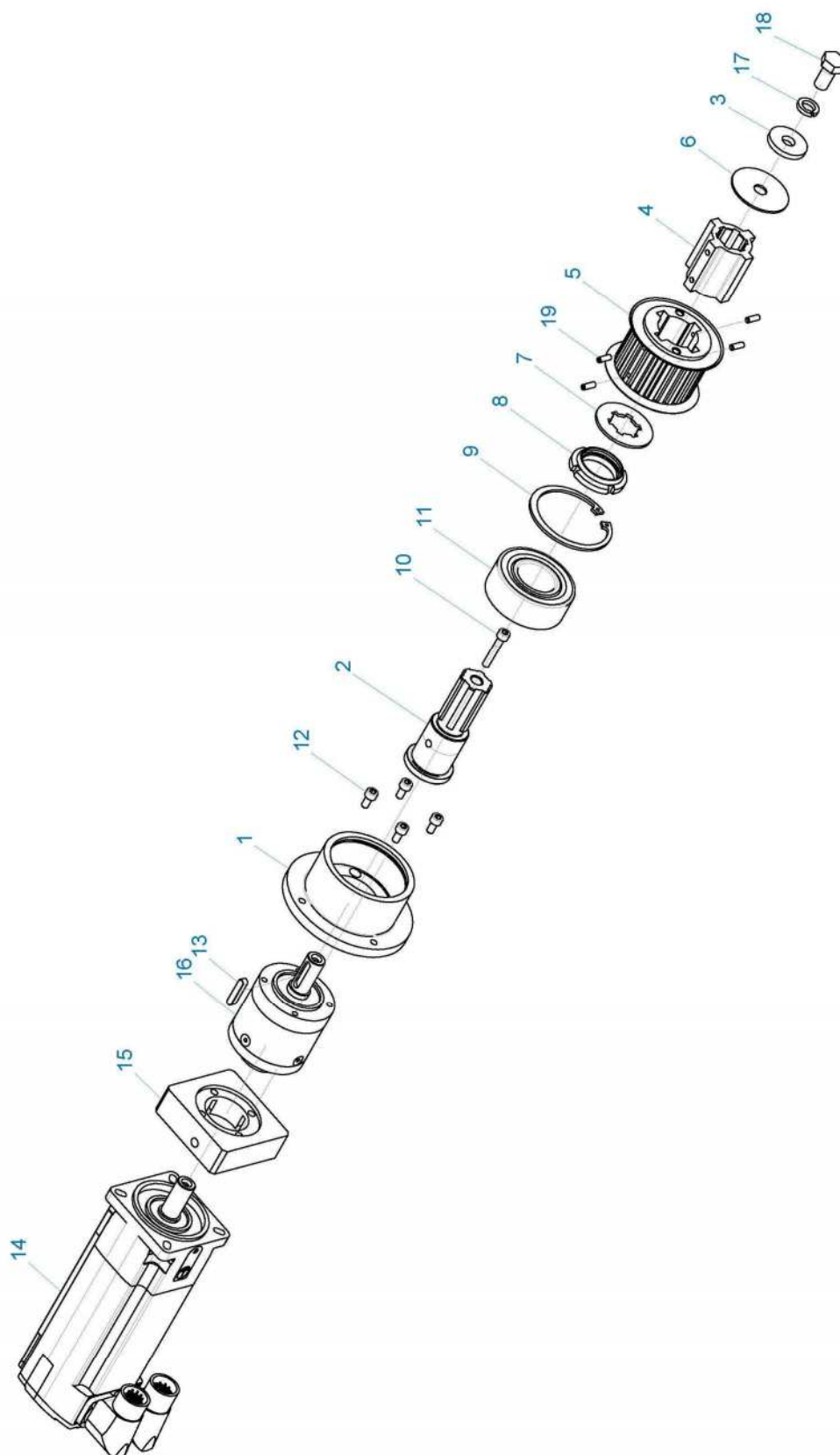
902-15-003-1 / Blade Transmission Case (with Auxiliaries)



902-15-003-1 / Blade Transmission Case (with Auxiliaries)

No.	Reference	Description	Qty
1	012-03-004	Blade Bearing Housing	1
2	012-03-014	Pulley Washer Ø10x30	1
3	012-03-015	Key //, form A, NF E 22177, 6x6x40 - 42CrMo4	1
4	012-03-022	Blade Pulley	1
5	012-03-027	Blade Holder/Pulley Shaft	1
6	012-03-031	Bearing Locking Nut 30x1 5	1
7	472-Gross-62	Circlip for bore hole NFE 22-163/DIN 472 - Plain Steel - Ø32	1
8	3206-B-2RSR-TVH	Double-Row Angular Contact Ball Bearing, Sealed - 30x62x23 8	1
9	-	Spring washer - W, NF E 25-515 - 10	1
10	-	Hexagon socket head cap screw ISO 4762 - M6 x 20	3
11	-	Hexagon head screw ISO 4017 - M10 x 20	1

902-15-003-2 / Intermediate Transmission Case (with Auxiliaries)

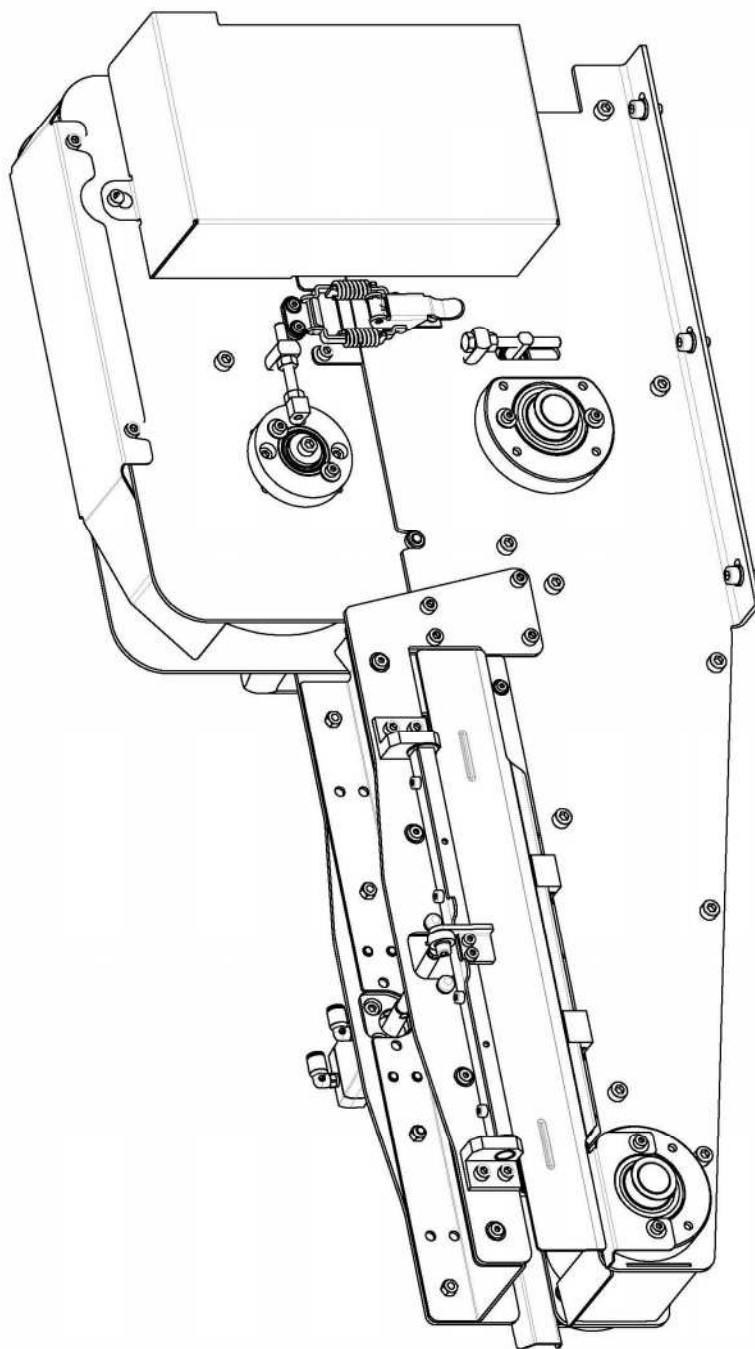


902-15-003-2 / Intermediate Transmission Case (with Auxiliaries)

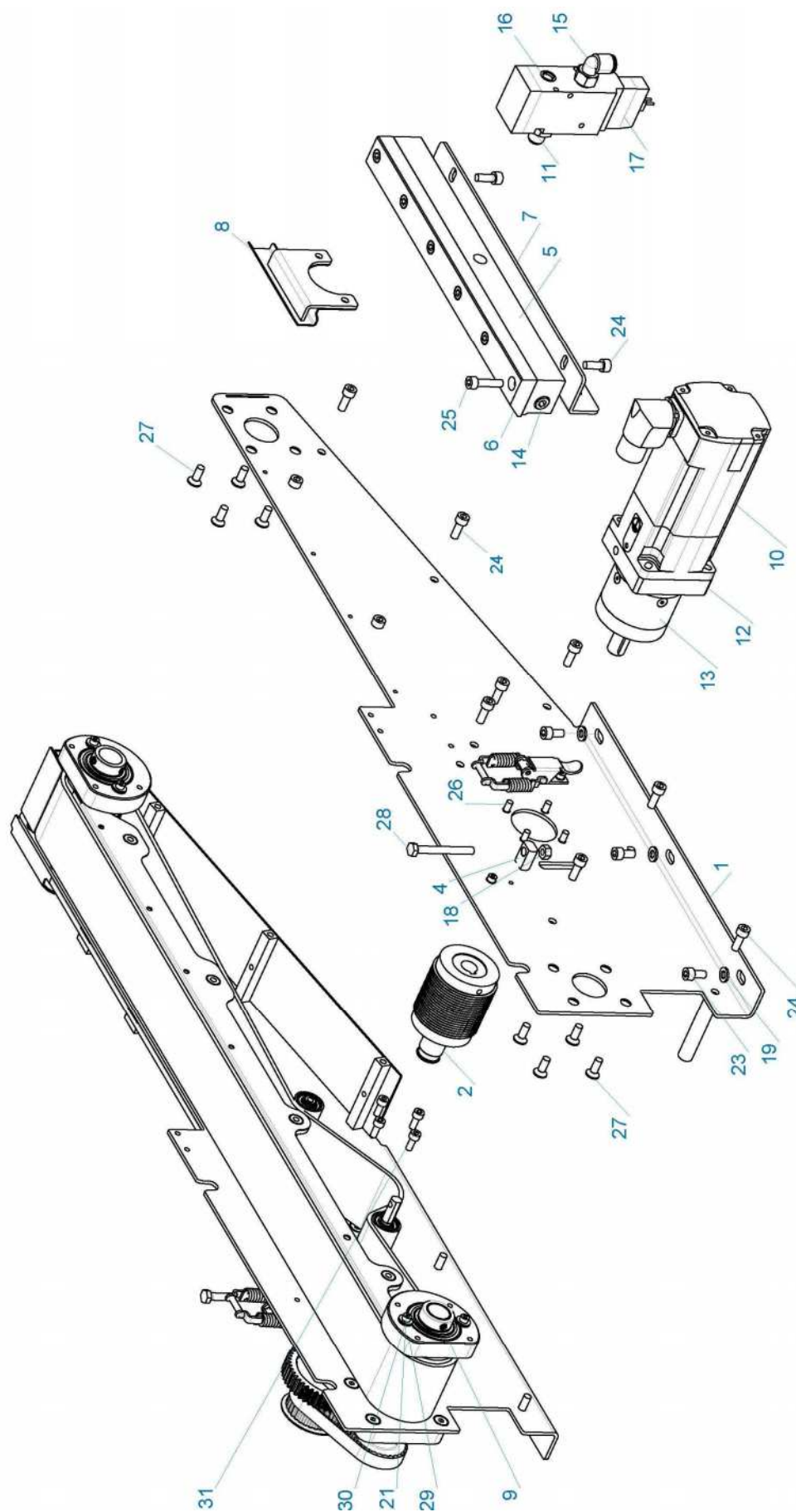
No.	Reference	Description	Qty
1	012-03-009	Motor Bearing Housing	1
2	012-03-010	Motor Pulley Shaft	1
3	012-03-014	Pulley Washer Ø10x30	1
4	012-03-020	Cutting Pulley Coupling	1
5	012-03-021	Cutting Motor Pulley	1
6	012-03-028	Coupling Washer	1
7	012-03-029	Coupling Washer 2	1
8	012-03-031	Bearing Locking Nut 30x1.5	1
9	472-Gross-62	Circlip for bore hole NFE 22-163/DIN 472 - Plain Steel - Ø32	1
10	912-AZ30x12.9	Hexagon socket head cap screw ISO 4762 - M5 x 12.9	1
11	3206-B-2RSR-TVH	Double-Row Angular Contact Ball Bearing, Sealed - 30x62x23.8	1
12	4762-AZ-6x18	Hexagon socket head cap screw DIN 912 / ISO 4762 - M5 x 10 (12.9)	4
13	6885A-3x7x25-R	Key //, form A, DIN6885A, 5x5x25 - 42CrMo4	1
14	BMH0703T07A2A	Brushless Synchronous Servomotors 70mm 230VAC 900W (with Encoder)	1
15	GBK0600703F	Planetary Gear Reducer Flange for BMH/BMP Motor 703 Series	1
16	GBX060005K	Planetary Gear Reducer 60mm - 5:1	1
17	-	Spring washer - W, NF E 25-515 - 10	1
18	-	Hexagon head screw ISO 4017 - M10 x 20	1
19	-	Hexagon socket set screw ISO 4026 - M4 x 12	4

2.5 Conveyor unit

902-15-005 / Conveyor Unit



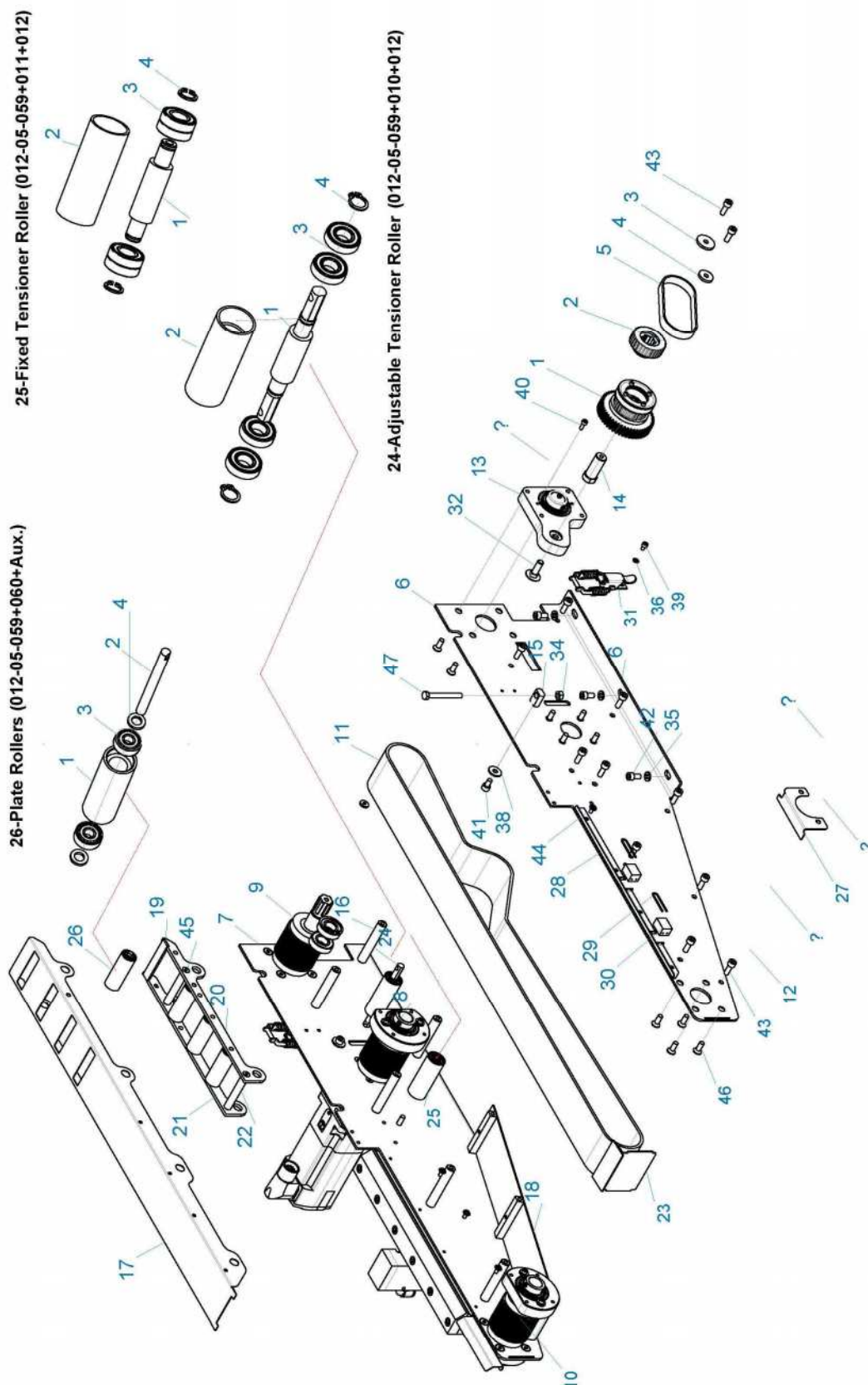
902-15-005-1 / Inner Conveyor (Right Side Open)



902-15-005-1 / Inner Conveyor (Right Side Open)

No.	Reference	Description	Qty
1	012-05-002	Right Conveyor Wall	1
2	012-05-003	Conveyor Driving Pulley	1
29	012-05-007	Conveyor bearing bearing	2
4	012-05-013	Adjustable tension piece	1
5	012-05-029	Lower Blower Bar	1
6	012-05-030	Upper Blower Bar	1
7	012-05-033	Blower Bar Bracket	1
8	012-05-070	Blower outlet guide	1
9	AAL204714 + Screw	Spherical Self-Aligning Ball Bearing with Lock - 20x47x14 + Screw	2
10	BMP0702R3NA2A	BRUSHLESS SYNCHRONOUS MOTOR 70MM 230VAC SERIES 702 Without Coder	1
11	FHM02-02	Even Double Nipple 3 piece - 1/4	1
12	GBK0600702F	Planetary Gear Reducer Flange for BMH/BMP Motor 701/702 Series	1
13	GBX060003K	Planetary Gear Reducer Ø60mm - 3/1	1
14	PN.RA.CHC.1/4M.B	Conical CHC Plug G1/4	2
15	PN.RAL.G1/4M.10F	Elbow-shaped Conical Fitting G1/4M - Ø10F	1
16	SP02	Silencer Plug G1/4	1
17	VP542-5HZ1-02FA	Solenoid valve 3/2 Series G1/4	1
18	-	Hexagon nut ISO 4032 - M6	1
19	-	Flat washer ISO 7089 - 6	3
20	-	Flat washer ISO 7093 - 4	8
21	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	4
31	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	4
23	-	Hexagon socket head cap screw ISO 4762 - M6 x 12	3
24	-	Hexagon socket head cap screw ISO 4762 - M6 x 16	10
25	-	Hexagon socket head cap screw ISO 4762 - M6 x 25	6
26	-	Hexagon socket countersunk screw ISO 10642 - M5 x 12	4
27	-	Hexagon socket countersunk screw ISO 10642 - M6 x 16	4
28	-	Hexagon head screw ISO 4017 - M6 x 55	1

902-15-005-1 / Brush Module (Left Side Open)



902-15-005-1 / Brush Module (Left Side Open)

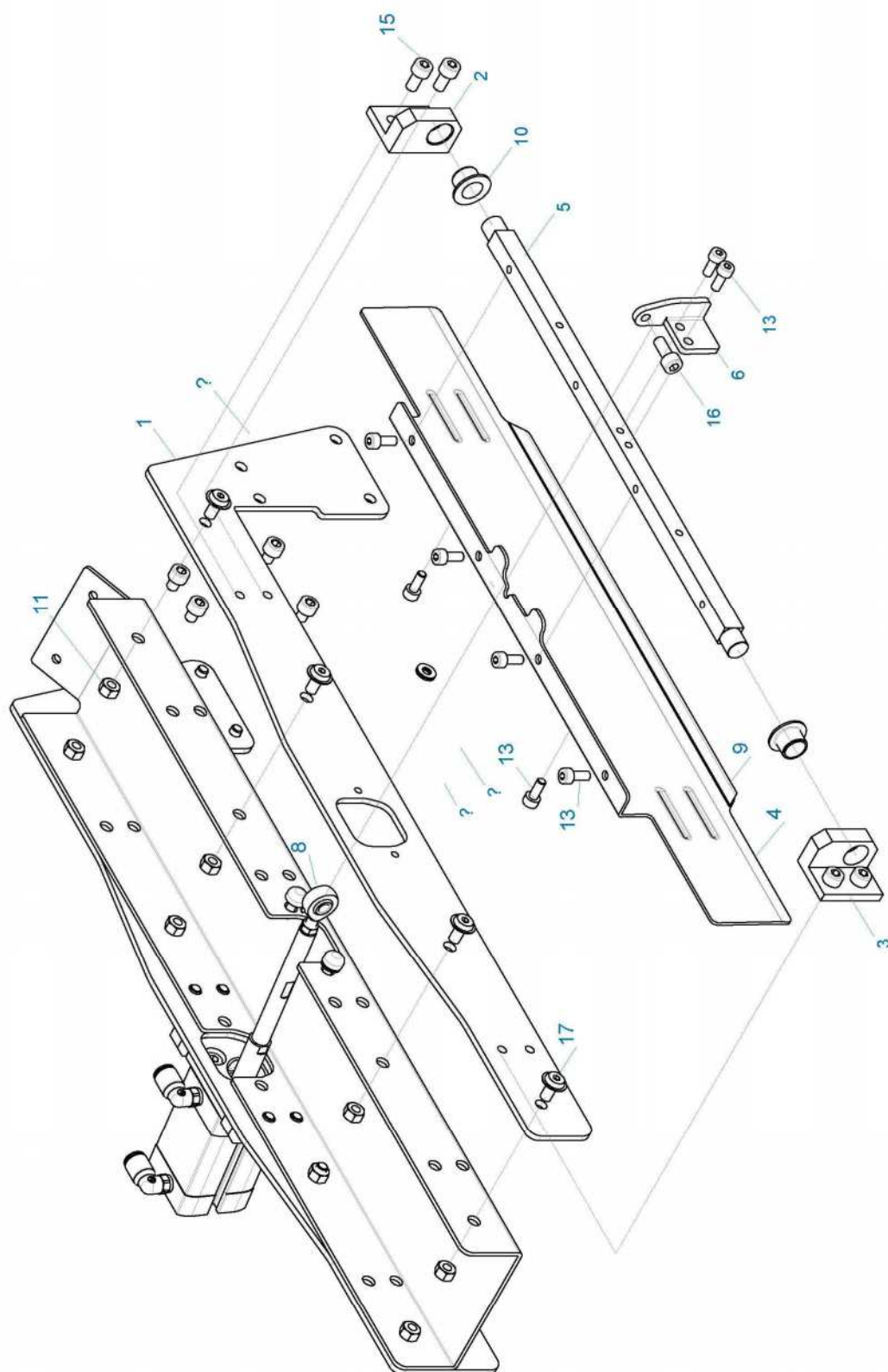
No.	Reference	Description	Qty	46	47	12
1	012-01-015 + Auxiliaries	Transmission Gearset (Metal)	1	-	-	12
2	012-01-020	Grooved Transmission Pulley (12mm)	1	-	-	1
3	012-01-021	Washer Ø6.2 x Ø25 x 3	1	-	-	1
4	012-01-032	Washer Ø6.2 x Ø20 x 3	1	-	-	1
5	012-01-035	T5 Belt - 56Z, Lp. 280 x 12, Aramid	1	-	-	1
6	012-05-001	Left Conveyor Wall	1	-	-	1
7	012-05-002	Right Conveyor Wall	1	-	-	1
8	012-05-003	Conveyor Driving Pulley	1	-	-	1
9	012-05-004	Conveyor Inlet Pulley	1	-	-	1
10	012-05-005	Conveyor Outlet Pulley	1	-	-	1
11	012-05-006	Transport Belt l=58.5mm	1	-	-	1
13	012-05-008	Bearing Housing with transmission	1	-	-	1
14	012-05-009	Triple Pulley Pin	1	-	-	1
15	012-05-013	Adjustable tension piece	1	-	-	1
16	012-05-014	Round Conveyor Spacer	2	-	-	2
17	012-05-016	Plate 1 (Conveyor Plate)	1	-	-	1
18	012-05-017	Inner Conveyor Cover	1	-	-	1
19	012-05-032	Plate 4 (Plate Input Reinforcement)	1	-	-	1
20	012-05-051	Plate 2 (Roller G Support)	1	-	-	1
21	012-05-052	Plate 3 (Roller D Support)	1	-	-	1
22	012-05-053	Roller plate spacer	2	-	-	2
23	012-05-055	Conveyor Outlet Sheet*	1	-	-	1
24	012-05-059+010+012	Adjustable Conveyor Tensioning Roller <2017	1	-	-	1
25	012-05-059+011+012	Fixed Conveyor Tensioning Roller <2017	1	-	-	1
26	012-05-059+060+Aux.	Conveyor Plate Roller < 2017	4	-	-	4
27	012-05-071	Guide on Bearing Housing	1	-	-	1
28	012-05-073	Shutter Damper Holder Guide	1	-	-	1
29	012-05-076	Shutter Stop Hook	2	-	-	2
30	012-05-080	Hatch Closing Stop	2	-	-	2
31	012-05-086	Latch (Brush stop)	1	-	-	1
32	8577-AZ-M8x25	Round head square neck screw ISO 8577 - M8 x 25	1	-	-	1
33	AAL204714 + Screw	Spherical Self-Aligning Ball Bearing with Lock - 20x47x14 + Screw	1	-	-	1
34	-	Hexagon nut ISO 4032 - M6	1	-	-	1
35	-	Flat washer ISO 7089 - 6	3	-	-	3
36	-	Flat washer ISO 7092 - 4	3	-	-	3
48	-	Flat washer ISO 7093 - 4	4	-	-	4
38	-	Flat washer ISO 7093 - 6	2	-	-	2
39	-	Hexagon socket head cap screw ISO 4762 - M4 x 6	3	-	-	3
40	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	2	-	-	2
41	-	Hexagon socket head cap screw ISO 4762 - M6 x 10	2	-	-	2
42	-	Hexagon socket head cap screw ISO 4762 - M6 x 12	3	-	-	3
43	-	Hexagon socket head cap screw ISO 4762 - M6 x 16	12	-	-	12
44	-	Flat hexagon socket head cap screw with smooth socket base ISO 7380-2 - M4 x 8	4	-	-	4
45	-	Hexagon socket countersunk screw ISO 10642 - M5 x 12	4	-	-	4

No.	Reference	Description	Qty
-	012-05-059+060+Aux.	Conveyor Plate Roller < 2017	1
1	012-05-059	Conveyor Plate Roller	1
2	012-05-060	Plate Roller Pin	1
3	606-ZZ	Single-Row Ball Bearing, Metal Flange - 6x17x6	2
4	-	Flat washer ISO 7092 - 6	2

No.	Reference	Description	Qty
-	012-05-059+010+012	Adjustable Conveyor Tensioning Roller <2017	1
1	012-05-010	Adjustable Conveyor Tensioning Pin	1
2	012-05-012	Ass.	1
3	61900-2RS	Single-Row Deep-Groove Ball Bearing, Sealed - 10x22x6	4
4	-	Elastic rings for shaft NF E 22-165 - Ø10	2

No.	Reference	Description	Qty
-	012-05-059+011+012	Fixed Conveyor Tensioning Roller <2017	1
1	012-05-011	Fixed Conveyor Tensioning Pin	1
2	012-05-012	Ass.	1
3	61900-2RS	Single-Row Deep-Groove Ball Bearing, Sealed - 10x22x6	4
4	-	Elastic rings for shaft NF E 22-165 - Ø10	2

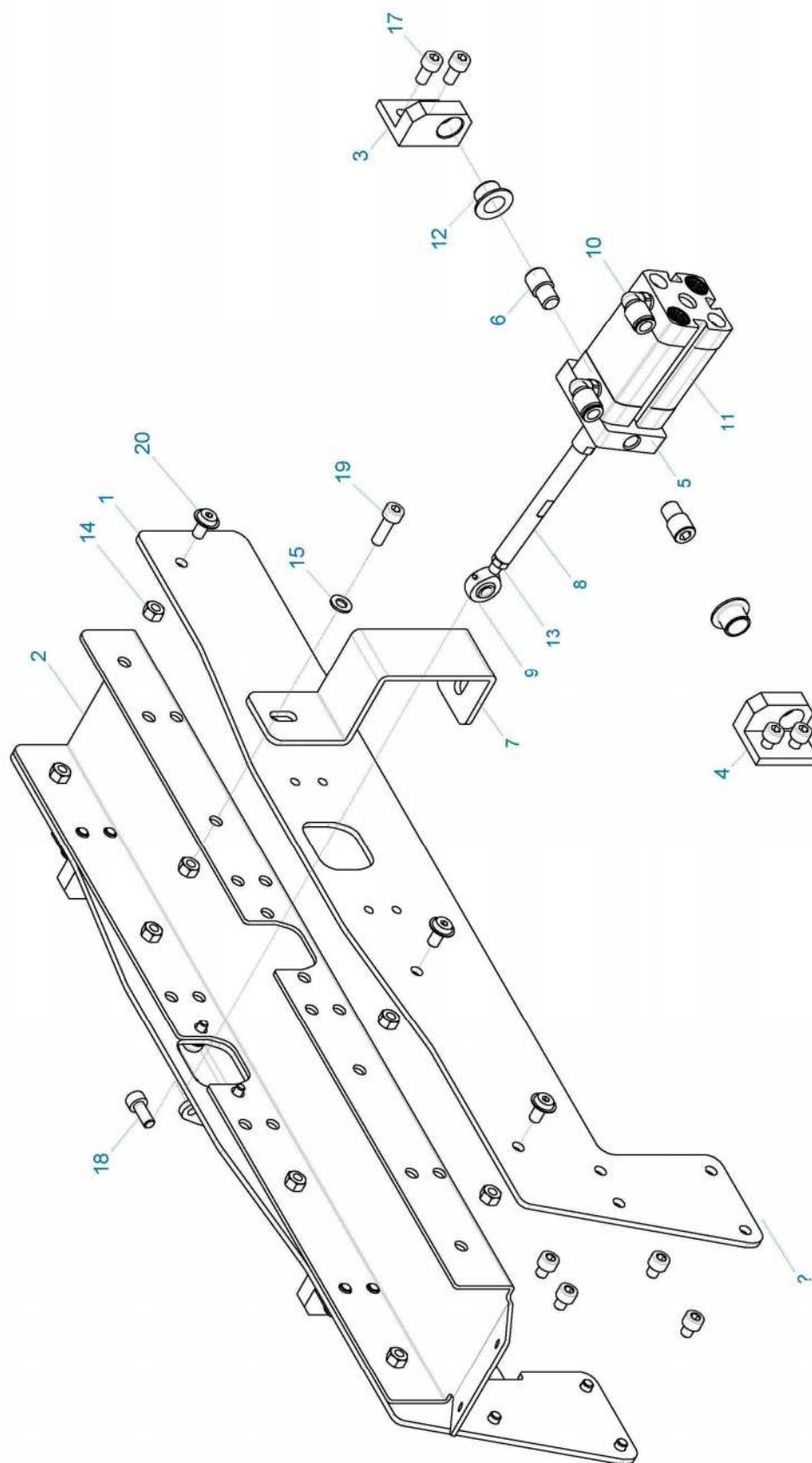
Sorting Shutter Module (Left Side)



Sorting Shutter Module (Left Side)

No.	Reference	Description	Qty
1	012-05-062	Side 2 - Sorting Module	1
2	012-05-064	Right Pivot Bracket - Sorting	1
3	012-05-065	Left Pivot Bracket - Sorting	1
4	012-05-077	Shutter Bar	1
5	012-05-078	Shutter Bar Pivot	1
6	012-05-079	Sorting Shutter Bar	1
8	012-05-083	M5 Threaded Steel Ball-joint Cap	1
9	012-05-090	SHUTTER SHEET BORDER JOINT (L. 235mm)	1
10	WFM-1012-09	Flanged Plain Bearing, Iglidur W300, Ø10-12-L09	2
11	-	Hexagon nut ISO 4032 - M5	4
12	-	Flat washer ISO 7089 - 4	4
13	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	8
15	-	Hexagon socket head cap screw ISO 4762 - M5 x 10	4
16	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	1
17	-	Flat hexagon socket head cap screw with smooth socket base ISO 7380-2 - M5 x 10	4

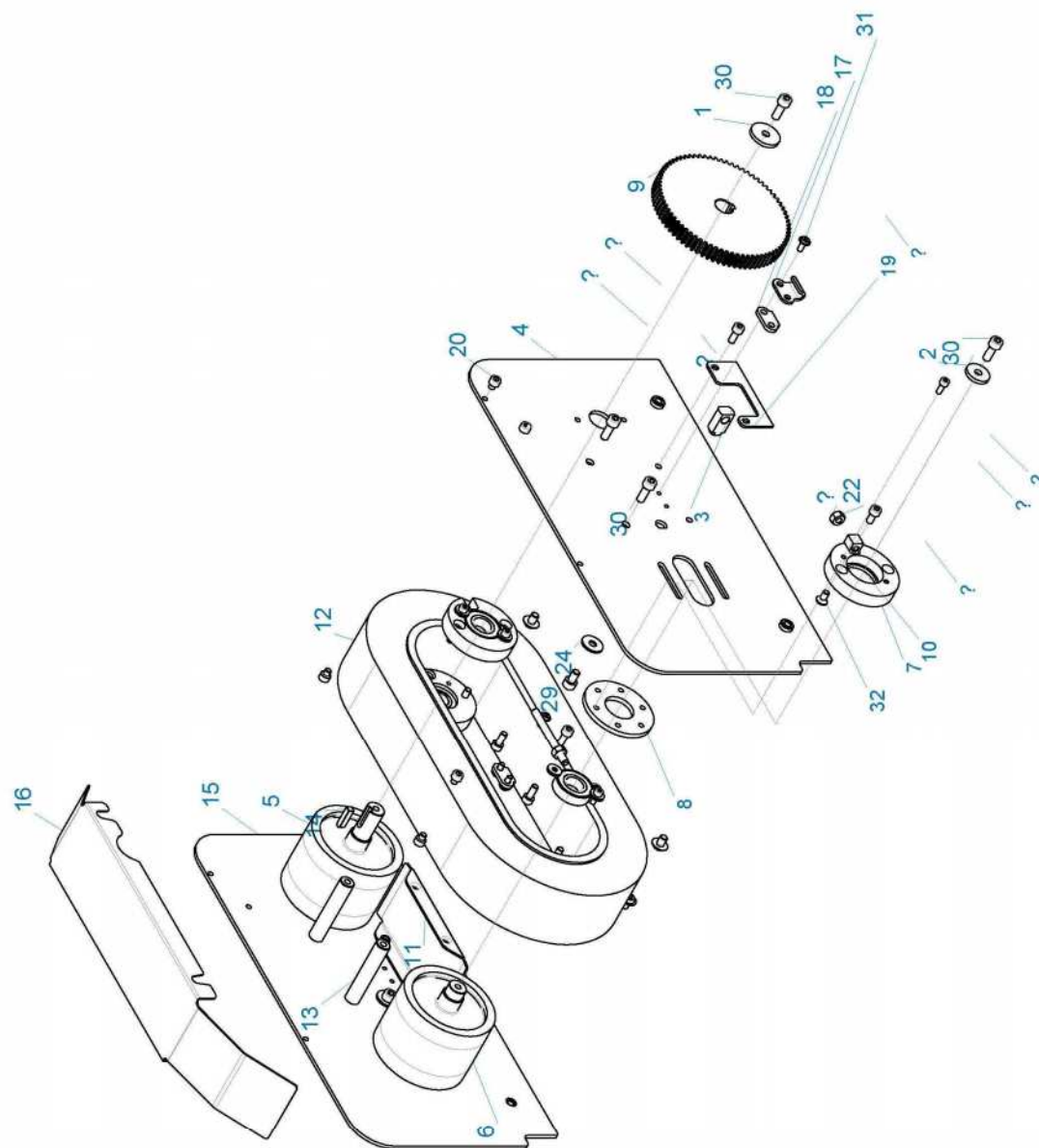
Sorting Shutter Module (Right Side)



Sorting Shutter Module (Right Side)

No.	Reference	Description	Qty
1	012-05-061	Side 1 - Sorting Module	1
2	012-05-063	Upper Wall - Sorting Module	1
3	012-05-064	Right Pivot Bracket - Sorting	1
4	012-05-065	Left Pivot Bracket - Sorting	1
5	012-05-066	Bearing Base - Compact Cylinder Ø20	1
6	012-05-067	Screwed Pivot Pin Ø10-M8 for Bearing	2
7	012-05-068	Reinforcement - Sorting Module	1
8	012-05-069	Cylinder Stem Extender	1
9	012-05-083	M5 Threaded Steel Ball-joint Cap	1
10	PN.RAL.M5M.6F	Air-bleed Elbow Fitting M5 - Ø6F	2
11	PN.VER.20.25.C	Double Effect Dampened Compact Cylinder FC - Ø20, C25	1
12	WFM-1012-09	Flanged Plain Bearing, Igidur W300, Ø10-12-L09	2
13	-	Hexagon nut ISO 4032 - M4	1
14	-	Hexagon nut ISO 4032 - M5	4
15	-	Flat washer ISO 7089 - 5	1
17	-	Hexagon socket head cap screw ISO 4762 - M5 x 10	4
18	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	1
19	-	Hexagon socket head cap screw ISO 4762 - M5 x 16	5
20	-	Flat hexagon socket head cap screw with smooth socket base ISO 7380-2 - M5 x 10	3

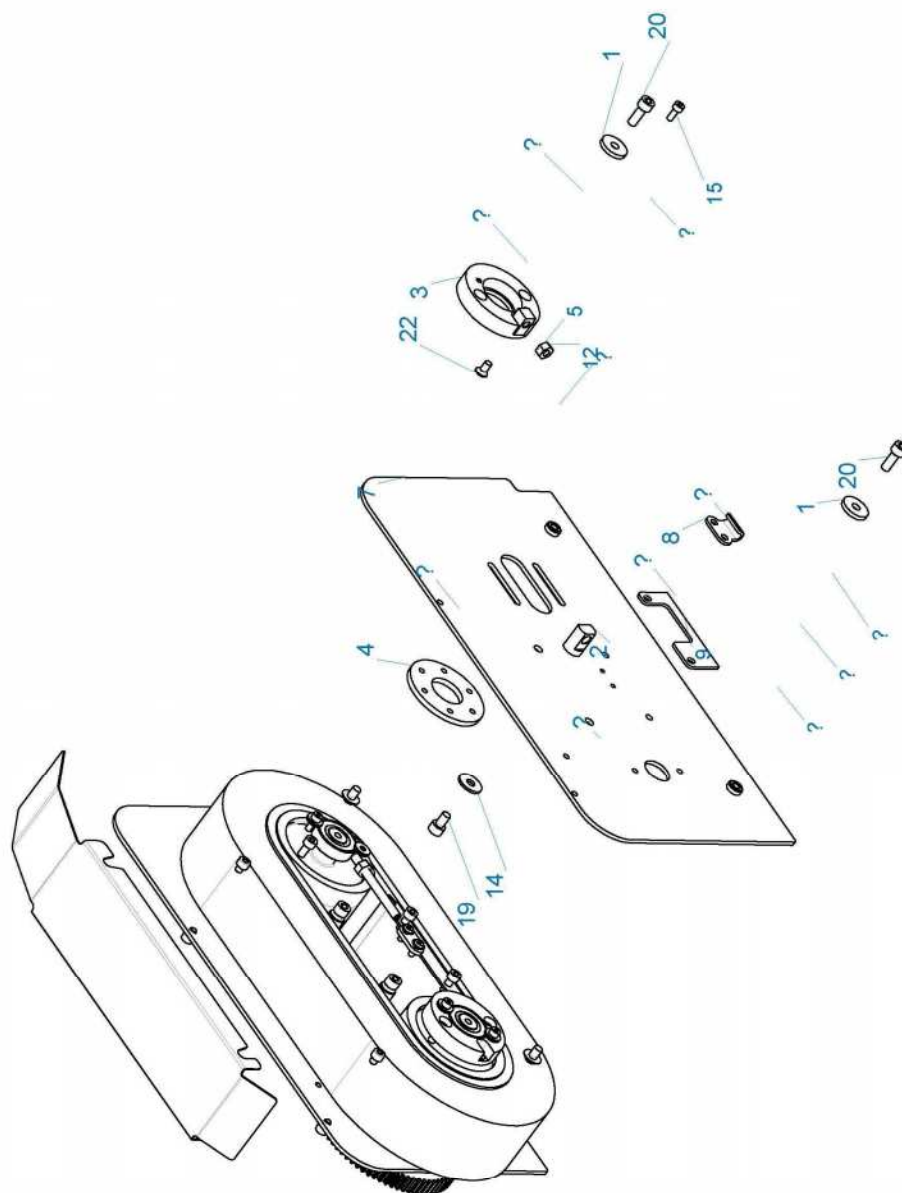
902-15-005-3 / Brush Module (Right Side Open)



902-15-005-3 / Brush Module (Right Side Open)

No.	Reference	Description	Qty
1	012-01-021	Washer Ø6.2 x Ø25 x 3	1
2	012-01-032	Washer Ø6.2 x Ø20 x 3	3
3	012-05-013	Adjustable tension piece	2
4	012-05-018	Left Side of Brush Band	1
5	012-05-019	Brush Band Motor Pulley	1
6	012-05-020	Brush Band Slave Pulley	1
7	012-05-021	Brush Band Bearing Case	4
8	012-05-022	Tightening Back-Plate	2
9	012-05-023	Keyed Conveyor Gears (75Dts-m1.5)	1
10	012-05-024	M6 Threaded Stem Housing (Belt Tensioner)	2
11	012-05-025	Brush Plate	1
12	012-05-026	Brush Band	1
13	012-05-028	Brush Band Spacer	2
14	012-05-034 / 6885C-5x5x20	Key II, forme C, DIN 6885/NF E 22-177, 5x5x20	1
15	012-05-054	Right Side of Brush Band	1
16	012-05-072	Brush Cap	1
17	012-05-087	Latch Hook	2
18	012-05-089	Latch Hook Platelet	2
19	012-05-099	Wedge for Transmission Clearance (Conveyor)	2
20	912-AZ-5x5	Hexagon socket head cap screw ISO 4762 - M5 x 5	4
34	6002-2RS	Single-Row Ridge Ball Bearing, Sealed - 15x32x9	4
22	-	Hexagon nut ISO 4032 - M6	4
35	-	Flat washer ISO 7093 - 4	16
24	-	Flat washer ISO 7093 - 6	2
25	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	8
27	-	Hexagon socket head cap screw ISO 4762 - M5 x 10	8
28	-	Hexagon socket head cap screw ISO 4762 - M5 x 12	4
29	-	Hexagon socket head cap screw ISO 4762 - M6 x 10	2
30	-	Hexagon socket head cap screw ISO 4762 - M6 x 16	8
31	-	Flat hexagon socket head cap screw with smooth socket base ISO 7380-2 - M4 x 10	4
36	-	Flat hexagon socket head cap screw with smooth socket base ISO 7380-2 - M6 x 8	4
32	-	Hexagon socket countersunk screw ISO 10642 - M5 x 10	2
37	-	Hexagon socket set screw ISO 4026 - M6 x 60	2

902-15-005-3 / Brush Module (Left Side Open)

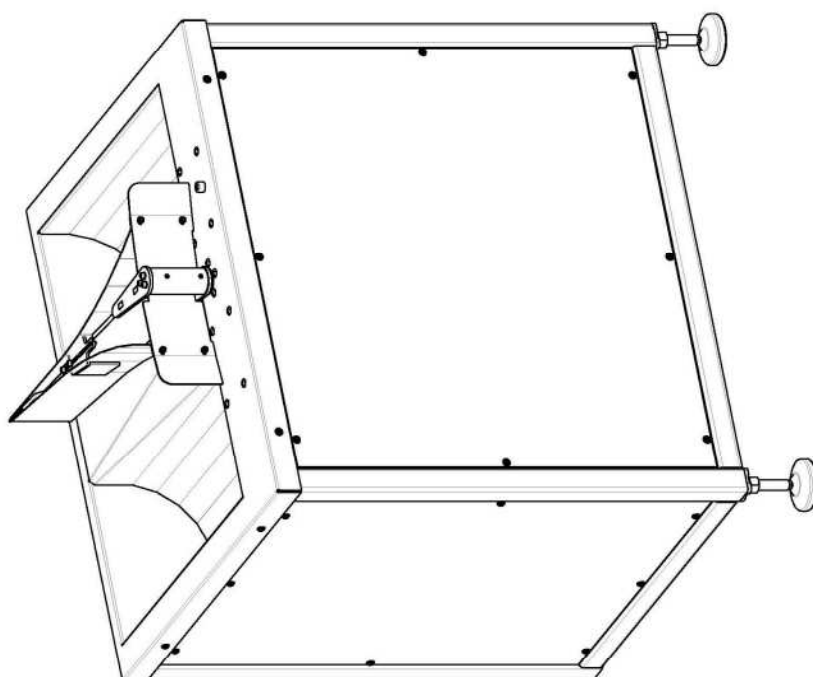


902-15-005-3 / Brush Module (Left Side Open)

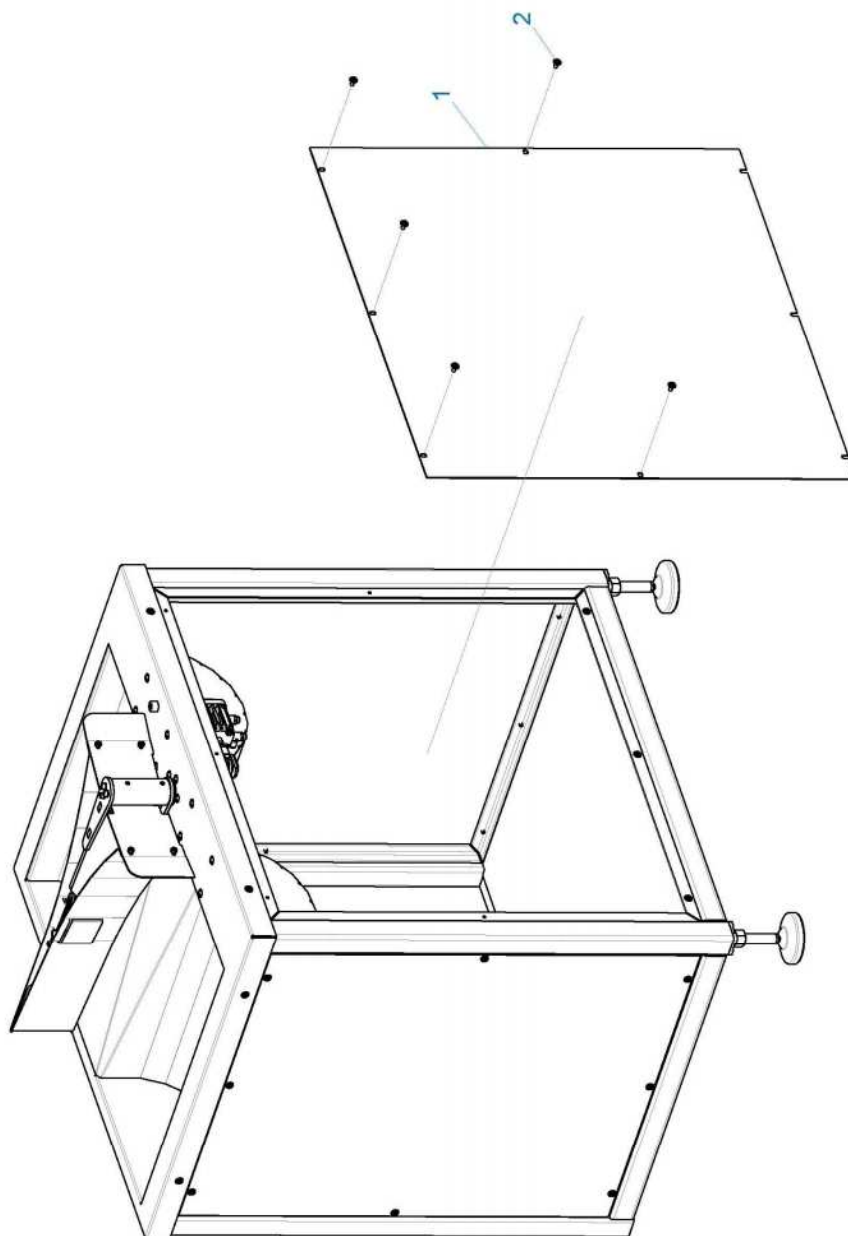
No.	Reference	Description	Qty
1	012-01-032	Washer Ø6.2 x Ø20 x 3	2
2	012-05-013	Adjustable tension piece	1
3	012-05-021	Brush Band Bearing Case	2
4	012-05-022	Tightening Back-Plate	1
5	012-05-024	M6 Threaded Stem Housing (Belt Tensioner)	1
7	012-05-054	Right Side of Brush Band	1
8	012-05-087	Latch Hook	1
9	012-05-099	Wedge for Transmission Clearance (Conveyor)	1
24	6002-2RS	Single-Row Ridge Ball Bearing, Sealed - 15x32x9	2
12	-	Hexagon nut ISO 4032 - M6	2
25	-	Flat washer ISO 7093 - 4	8
14	-	Flat washer ISO 7093 - 6	1
15	-	Hexagon socket head cap screw ISO 4762 - M4 x 10	4
19	-	Hexagon socket head cap screw ISO 4762 - M6 x 10	1
20	-	Hexagon socket head cap screw ISO 4762 - M6 x 16	2
22	-	Hexagon socket countersunk screw ISO 10642 - M5 x 10	1
26	-	Hexagon socket set screw ISO 4026 - M6 x 60	1

2.6 Chute unit

902-15-006 / Dual Chute Unit



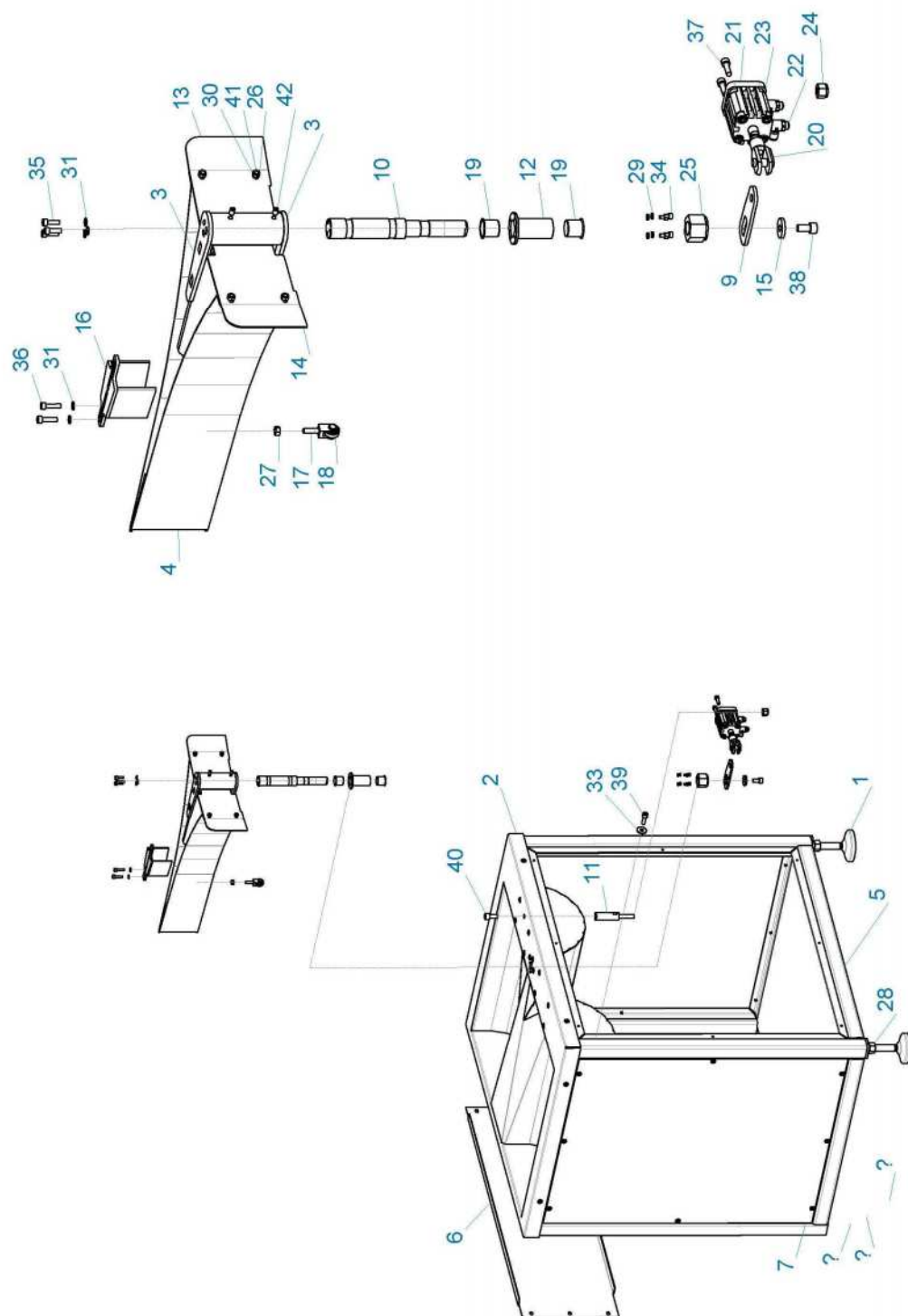
902-15-006 / Dual Chute Unit



902-15-006 / Dual Chute Unit

No.	Reference	Description	Qty
1	012-06-003-3	Chute Chassis Rear Cover	1
2	–	Flat hexagon socket head cap screws with smooth socket base ISO 7380-2 – M5 × 10	8

902-15-006 / Dual Chute Unit

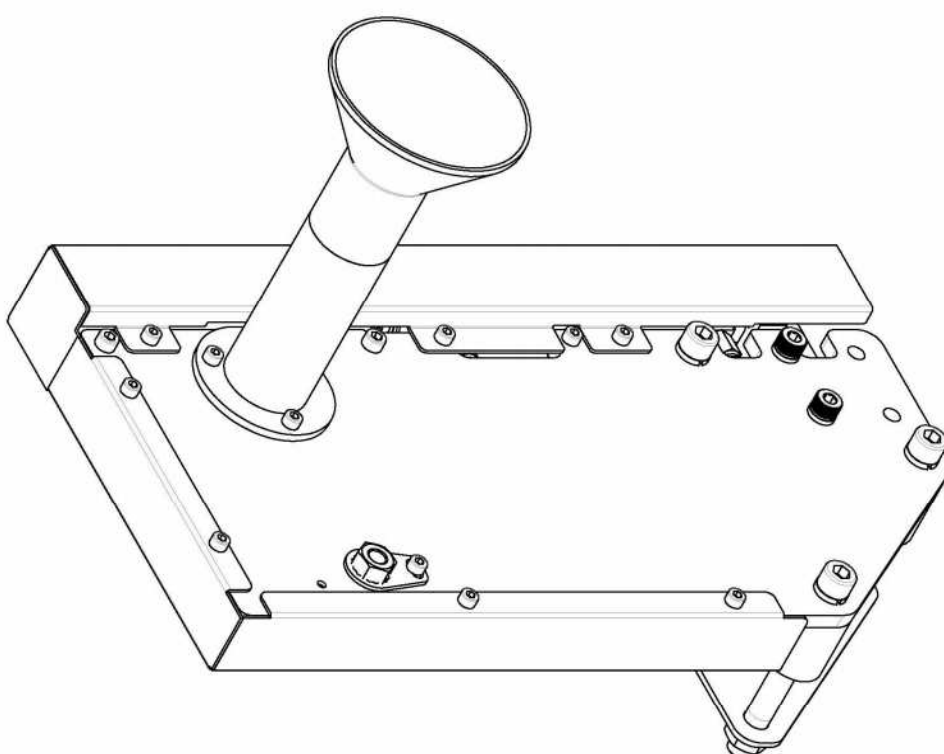


902-15-006 / Dual Chute Unit

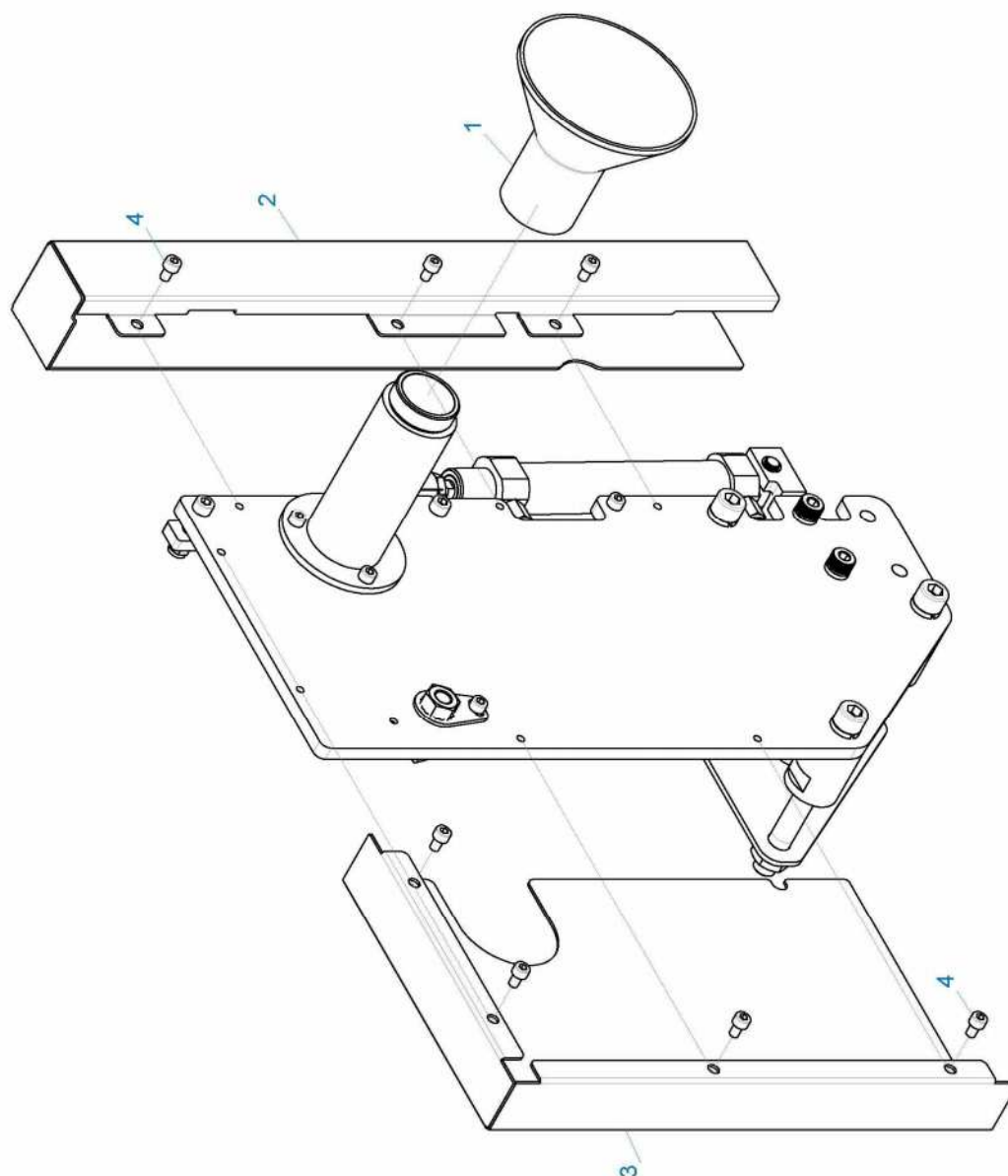
No.	Reference	Description	Qty
1	012-04-017	Adjustable Anti-vibration Stand Ø80 - M16 (L.180 with AntiGliss)	2
2	012-06-001-1	Dual Chute	1
3	012-06-002-1	Pallet	1
4	012-06-002-2	Over-Pallet	1
5	012-06-003-1	Chute Chassis	1
6	012-06-003-2	Chute Chassis Front Cover	1
7	012-06-003-4	Chute Chassis Side Cover	2
9	012-06-004	Pallet Adjustment Rod	1
10	012-06-005	Pallet Pivot	1
11	012-06-006	Cylinder Stud Pin	1
12	012-06-007	Mounting bearing	1
13	012-06-008	Right Buffer	1
14	012-06-009	Left Buffer	1
15	012-06-010	Rod washer	1
16	012-06-013	Clamp	1
17	012-06-014	M6 Threaded Tread (pin Ø6)	1
18	626-ZZ	Single-Row Ridge Ball Bearing, Metal Flange - 6x19x6	1
19	GFM-2021-20	Flanged Plain Bearing, Iglidur G, Ø20-21-L20	2
20	PN.ACC.1	Female rod clevis M10	1
21	PN.ACC.2	Cylinder Housing Stud Ø32mm	1
22	PN.RA.L.1/8M.6F.RD	Countersunk screw excess flow valve Ø6-G1/8	2
23	PN.VER.32.10	Asco Compact Cylinder, Double Acting - Ø32 C10	1
24	-	Internally braked hex nut ISO 7040 - M10	1
25	-	Internally braked hex nut ISO 7040 - M20	1
26	-	Hexagon nut ISO 4032 - M5	6
27	-	Hexagon nut ISO 4032 - M6	1
28	-	Hexagon nut ISO 4032 - M16	2
29	-	Spring washer - W, NF E 25-515 - 4	4
30	-	Spring washer - W, NF E 25-515 - 5	4
31	-	Flat washer ISO 7089 - 5	5
33	-	Flat washer ISO 7093 - 8	2
34	-	Hexagon socket head cap screw ISO 4762 - M4 x 6	4
35	-	Hexagon socket head cap screw ISO 4762 - M5 x 16	5
36	-	Hexagon socket head cap screw ISO 4762 - M5 x 20	2
37	-	Hexagon socket head cap screw ISO 4762 - M6 x 20	4
38	-	Hexagon socket head cap screw ISO 4762 - M8 x 16	1
39	-	Hexagon socket head cap screw ISO 4762 - M8 x 25	2
40	-	Hexagon socket head cap screw ISO 4762 - M10 x 20	1
41	-	Flat hexagon socket head cap screw with smooth socket base ISO 7380-2 - M5 x 10	4
42	-	Hexagon socket set screw ISO 4027 - M6x 10	2

2.7 Pre-calibrated unit (extra)

902-15-009 / PRE-CALIBRATED UNIT



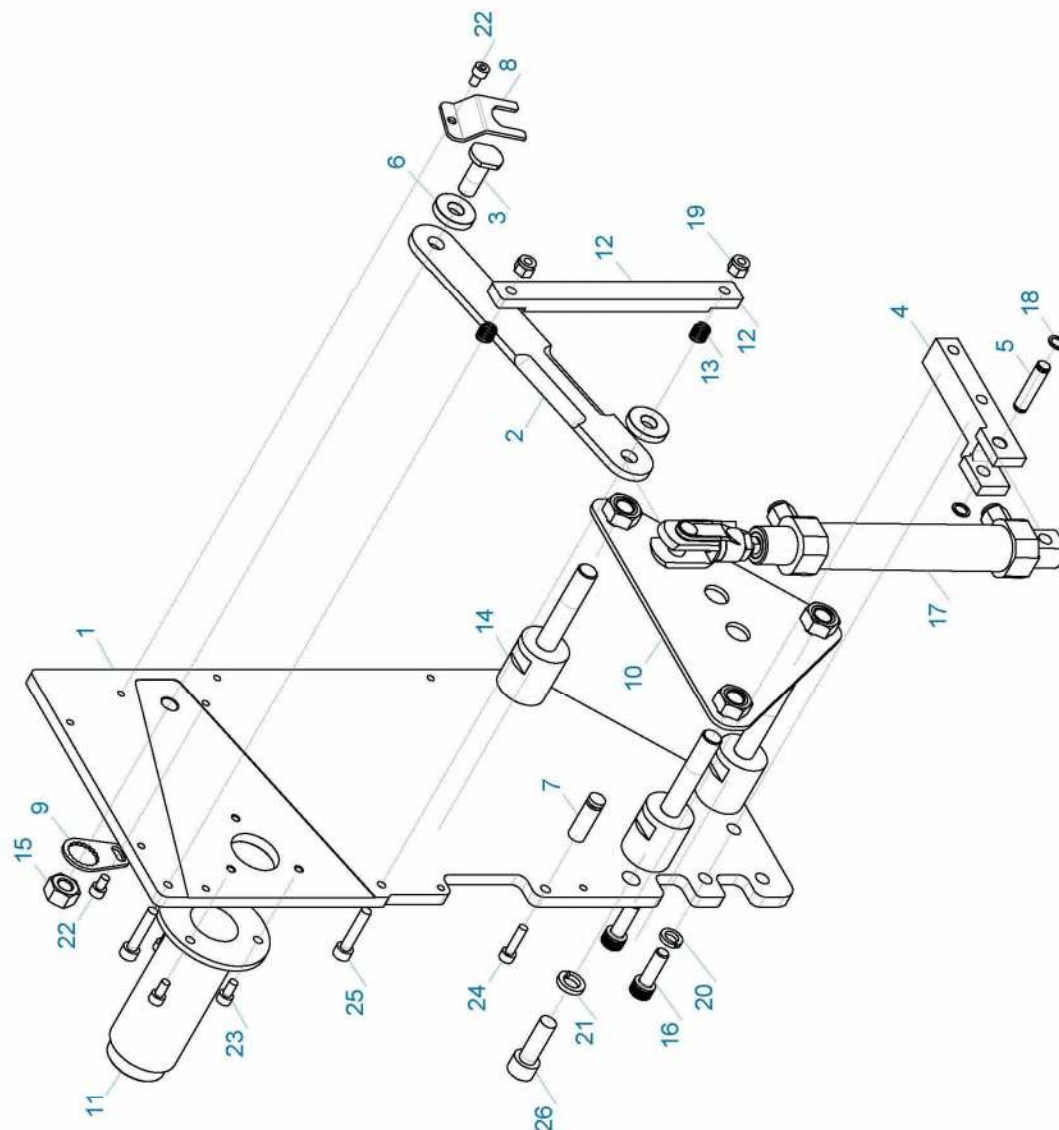
902-15-009 / Pre-calibrated Unit (Cover Disassembly)



902-15-009 / Pre-calibrated Unit (Cover Disassembly)

No.	Reference	Description	Qty
1	012-01-044	Inlet Guide - Part 2	1
2	012-09-011	Cover 1	1
3	012-09-012	Cover 2	1
4	-	Hexagon socket head cap screw ISO 4762 - M5 x 8	7
5	4762-AZ-8x25	Hexagon socket head cap screw DIN 912 / ISO 4762 - M8 x 25 (12.9)	2
6	-	Spring washer - W. NF E 25-515 - 8	2
7	-	Hexagon socket head cap screw ISO 4762 - M5 x 10	2

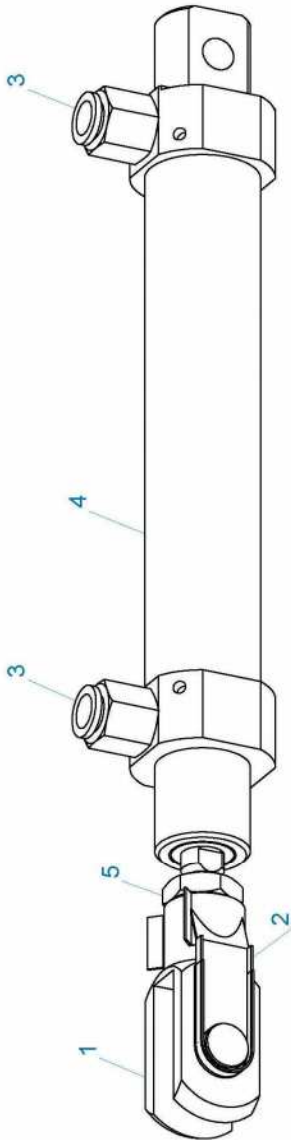
902-15-009 / Pre-calibrated Unit (No Cover)



902-15-009 / Pre-calibrated Unit (No Cover)

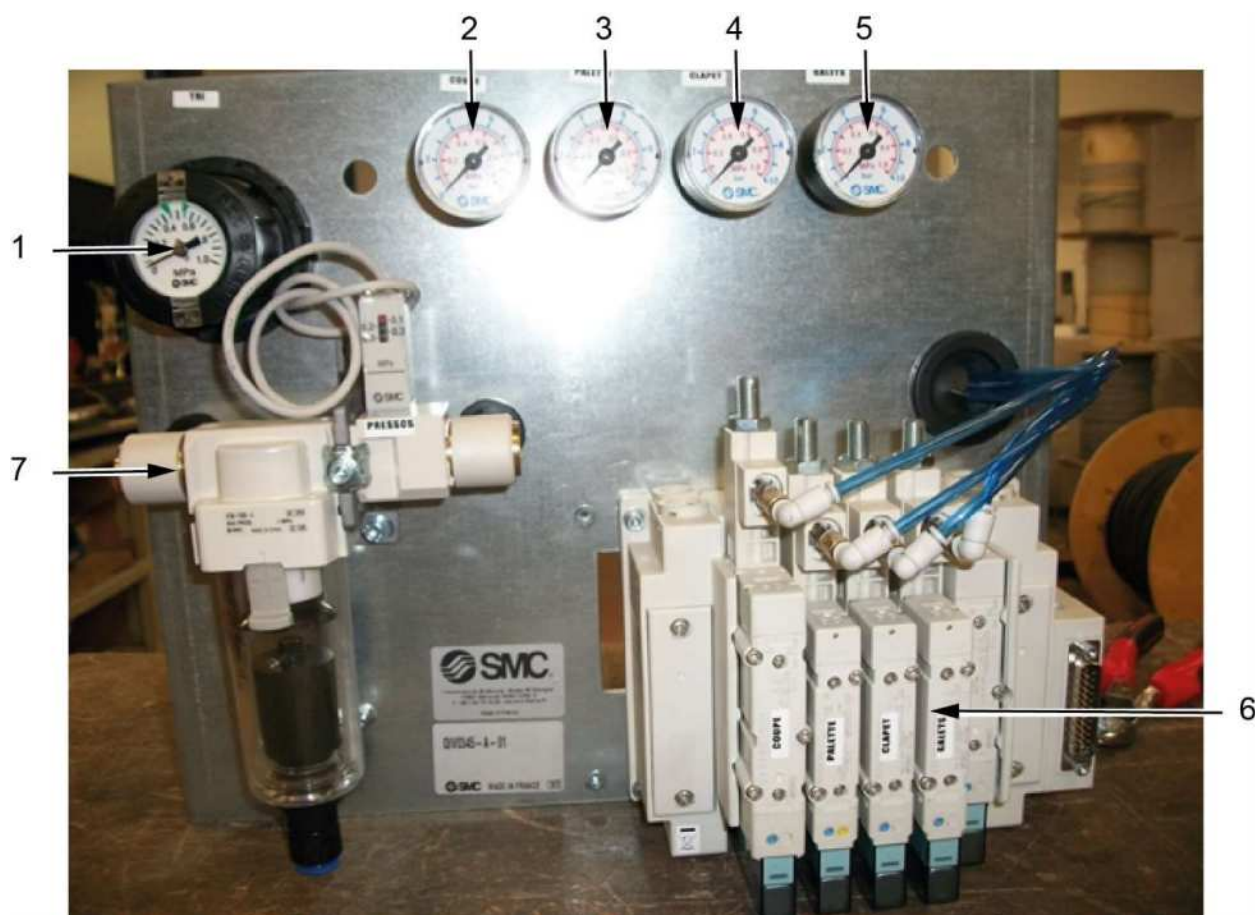
No.	Reference	Description	Qty
1	012-09-001	Precalibrate Support Plate	1
2	012-09-002	Precalibrate Cutting Blade	1
3	012-09-003	Precalibrate Blade Pin	1
4	012-09-004	Precalibrate Cutting Cylinder Support	1
5	012-09-005	Cylinder Pin Ø8x35	1
6	012-09-006	Blade Cross-piece Ep 4,8	2
7	012-09-007	Cover Stiffener	1
8	012-09-008	Blade Pin Anti rotation Platelet	1
9	012-09-009	Blade Pin Anti rotation Platelet	1
10	012-09-010	Nut Plate for Precalibrate Cutting Attachment	1
11	012-09-013	Inlet Guide 3 (Precalibrate)	1
12	012-09-015	Precalibrate Blade Guide	1
13	012-09-016	Blade Guide Spring	2
14	012-09-017	Cutting Guide Attachment	3
15	934-4-M10	Stainless steel hex nut DIN 934/NFE 27411 - M10	1
16	4762-AZ-8-25	Hexagon socket head cap screw DIN 912 / ISO 4762 - M8 x 25 (12.9)	2
17	PN VER D25 C100 AR	Round Iso Cylinder, Double Effect, Pneumatic Dampening, Ø25x100 - Accessories	1
18	-	Crutlip for shaft DIN 471-8 x 0.8	2
19	-	Internally Braked Hex Nut ISO 7040 - M6	2
20	-	Spring washer - W. NFE 25-515 - 8	2
21	-	Spring washer - W. NFE 25-515 - 10	3
22	-	Hexagon socket head cap screw ISO 4762 - M5 x 8	2
23	-	Hexagon socket head cap screw ISO 4762 - M5 x 10	3
24	-	Hexagon socket head cap screw ISO 4762 - M5 x 20	1
25	-	Hexagon socket head cap screw ISO 4762 - M6 x 30	2
26	-	Hexagon socket head cap screw ISO 4762 - M10 x 30	3

PN.VER.D25.C100.AR / Precalibrate Cylinder



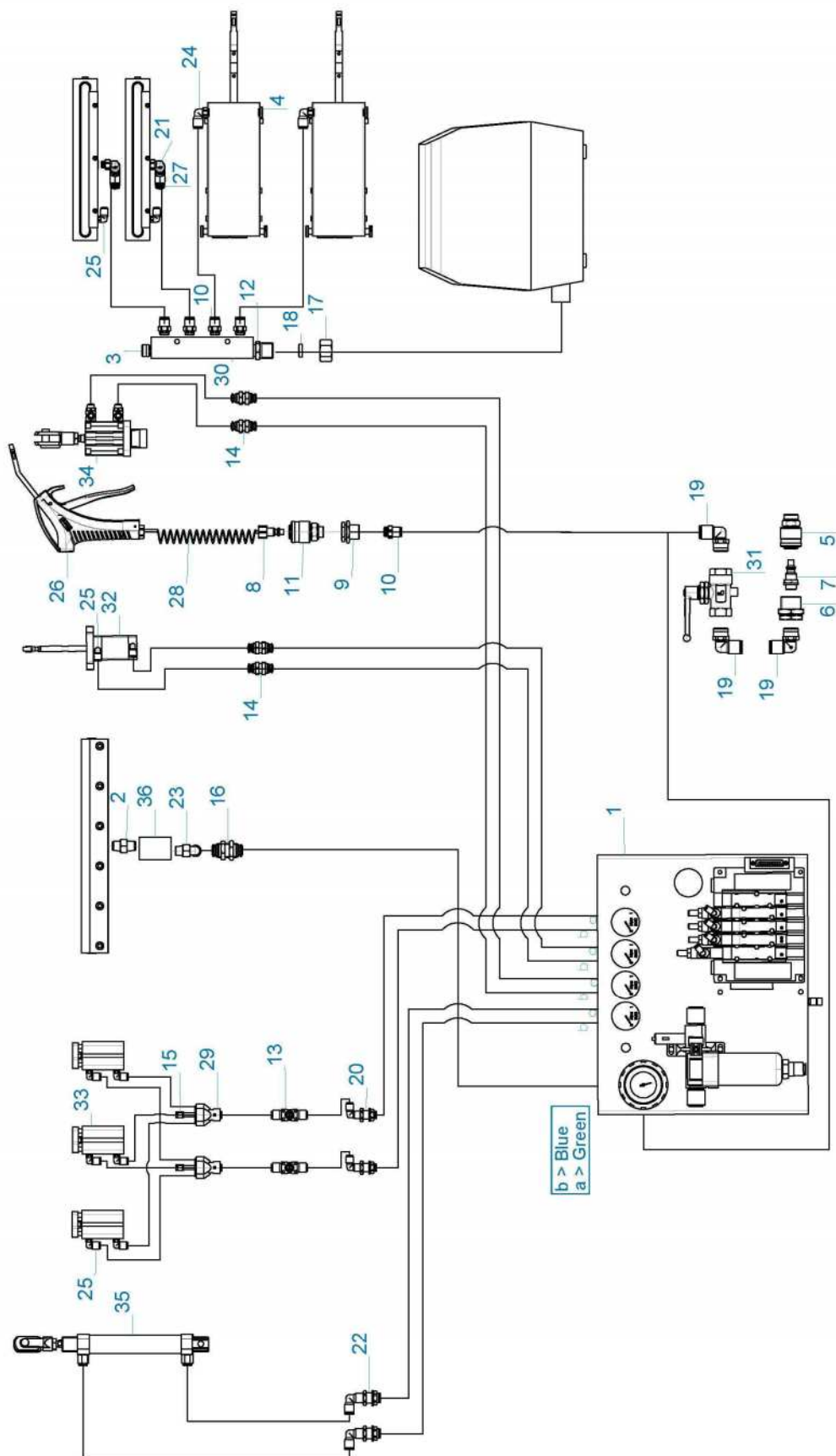
No.	Reference	Description	Qty
1	FNACC 1	Steel Rod Clevis - M10-Ø10	1
2	PNACC 3	Linkage Pin Clevis Ø10x20	1
3	PNBALGT/ØM.8F K02H08-01AS	Air-bleed Right Male Conical Fitting R1/8 - Ø8F	2
4	PNVER D25 C100 A	Round Iso Cylinder, Double Effect, Pneumatic Dampening, Ø25xC100 (+ Reinforced Gasket)	1
5	-	Low hexagon nut ISO 4035 - M10	1

3 Pneumatic modules



No.	Reference	Description
1	-	Sorting blower/Regulator Pressure gauge
2	-	Cutting Pressure gauge
3	-	Pallet Pressure gauge
4	-	Check valve Pressure gauge
5	-	Feed/Rollers Pressure gauge
6	-	Pneumatic Island
7	-	Pneumatic System Filter

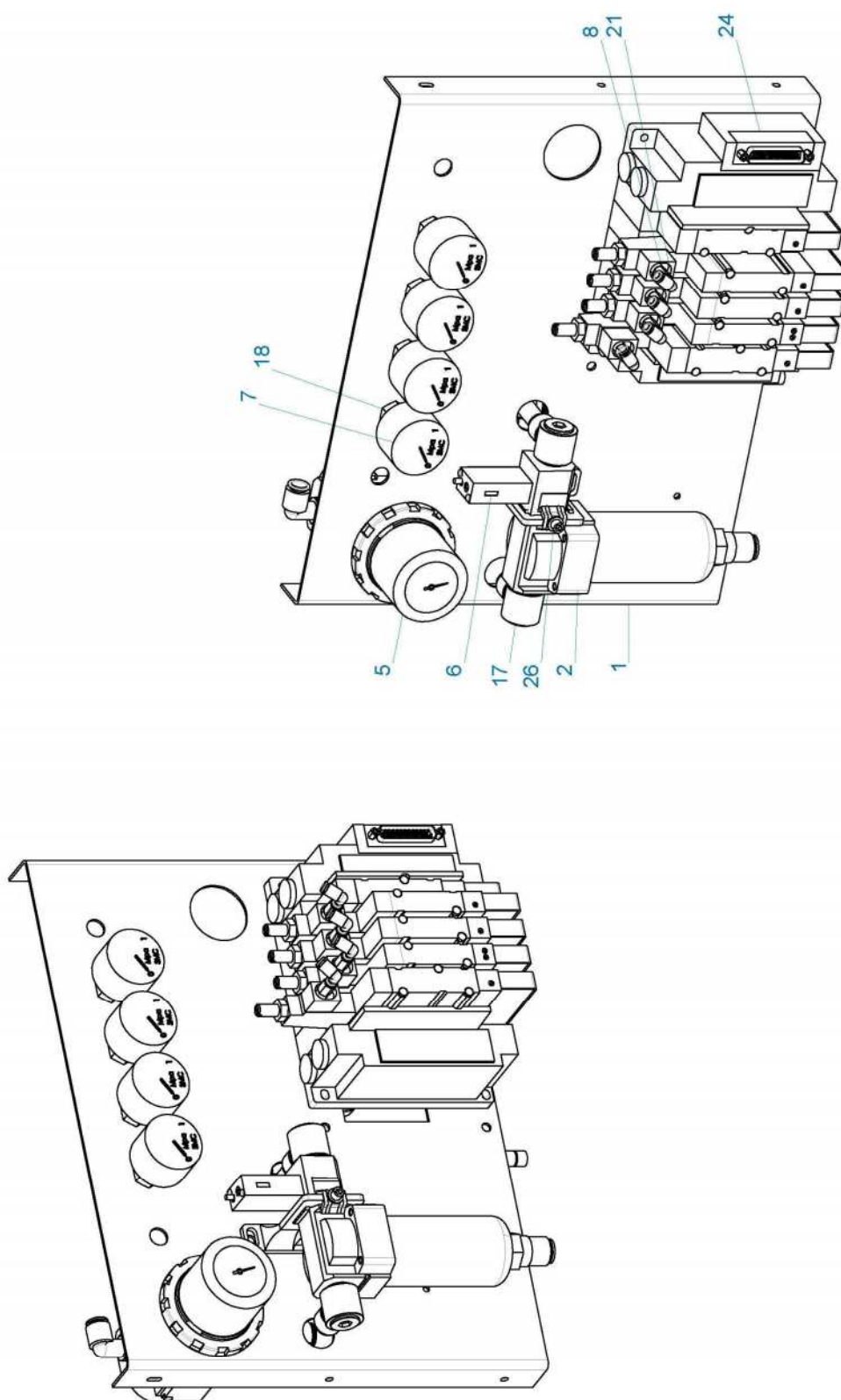
Pneumatic Schema BM116 >2017



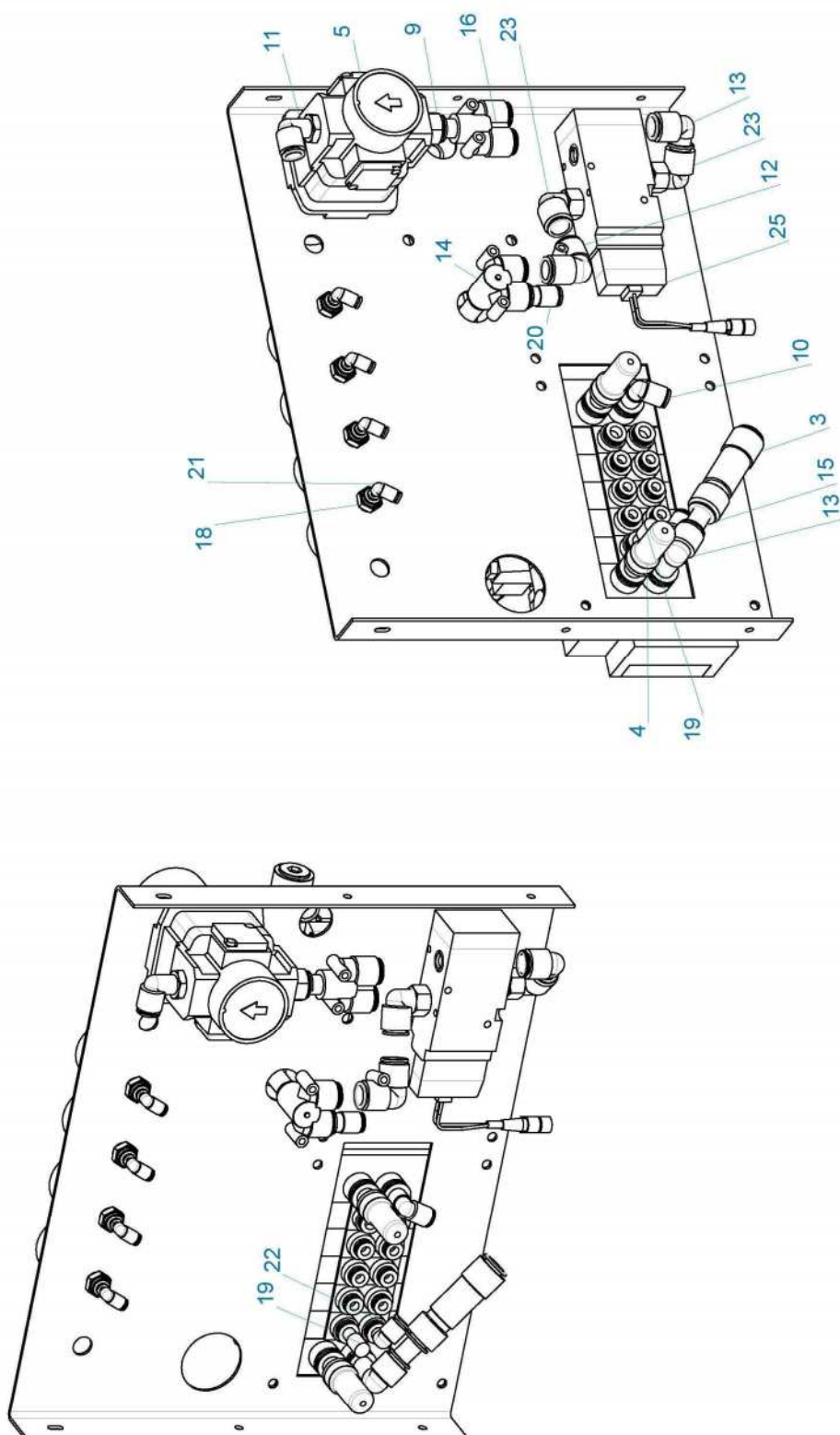
Pneumatic Schema BM116 >2017

No.	Reference	Description	Qty
1	012-04-057	BM116 Pneumatic Board SMC	1
2	FHM02-02	Even Double Nipple 3 piece - 1/4	1
3	PN.RA.CHC.G1/8M.B	Conical CHC Plug G3/8	1
4	PN.RA.CHC.G1/8M.B	Male Cyl. CHC plug G1/8	2
5	PN.RA.I.1/2F.CFD10	Coupleur Fitting EUR/DN10 Female G1/2F - Ø10	1
6	PN.RA.I.1/2F.TC	Right Partition Crosspiece Fitting G1/2F	1
7	PN.RA.I.1/2M.CMD10	Coupleur Fitting EURO/DN10 Male G1/2M - Ø10	1
8	PN.RA.I.1/4F.CMB12	Coupler Fitting G150B12 Male - G1/4F	1
9	PN.RA.I.1/4F.TC	Right Partition Crosspiece Fitting G1/4F	1
10	PN.RA.I.1/4M.8F	Air-bleed Right Male Cylinder 1/4M-Ø8F	5
11	PN.RA.I.1/4M.CFB12	Coupler Fitting G150B12 Female - G1/4M	1
12	PN.RA.I.3/8M.DIN18	Fitting DIN18 Male Cyl. R3/8	1
13	PN.RA.I.6F.RD	Inline Flow Regulator - Ø6	2
14	PN.RA.I.6F.TC	Right Partition Crosspiece Fitting Ø6	4
15	PN.RA.I.6M.B	Snap fit cap - Ø6	2
16	PN.RA.I.10F.TC	Right Partition Crosspiece Fitting Ø10	1
17	PN.RA.I.18.E	Fitting DIN18 - Nut R3/8	1
18	PN.RA.I.18.O	Fitting DIN18 - Olive (Ø18)	1
19	PN.RA.L.1/2M.12F	Air-bleed Elbow Fitting G1/2M - Ø12F	3
20	PN.RA.L.6F.TC	Elbow-shaped Partition Fitting Ø6	2
21	PN.RA.L.8F.1/8F	Air-bleed Elbow Fitting Ø8F - 1/8F	2
22	PN.RA.L.8F.TC	Elbow-shaped Partition Fitting Ø8	2
23	PN.RA.L.1/4M.10F	Elbow-shaped Conical Fitting G1/4M - Ø10F	1
24	PN.RA.L.1/8M.8F	Cyl. Air-bleed Elbow Fitting Male Ø8-G1/8M	2
25	PN.RA.L.M5M.6F	Air-bleed Elbow Fitting M5 - Ø6F	4
26	PN.RA.SOUF.1/4F	Standard Air Blower with Elbow-Shaped Cap (1/4F Fitting)	1
27	PN.RA.T.8M.6F.8F	T-fitting Ø8M-Ø6F-Ø8F	2
28	PN.RA.TS.1/4M.1/4M	Spiral Tube Ø8 - G1/4 (4 Metres - Polyurethane)	1
29	PN.RA.YYF.6	Double Y Fitting - Even - Ø6	2
30	PN.TA.NO.3/8F.1/4F	Distribution Tank Female 4 Outputs G1/4 2 Inputs G3/8	1
31	PN.TA.VAN.1/2 TC	Right Purge Valve (3/2) - Partition Crosspiece - G1/2F	1
32	PN.VER.20.25.C	Double Effect Damped Compact Cylinder FC - Ø20, C25	1
33	PN.VER.25.20.G	Compact Cylinder, Double Acting, Guided - Ø25-C20 (Asco)	3
34	PN.VER.32.10 + Aux	Palette Cylinder (Ø32x10 Numatics) + Auxiliary	1
35	PN.VER.D25.C100 AR	Round Iso Cylinder, Double Effect, Pneumatic Dampening, Ø25xC100 + Accessories	1
36	VP542-5HZ1-02FA	Solenoid valve 3/2 Series G1/4	1

012-04-057 / Pneumatic Plate SMC



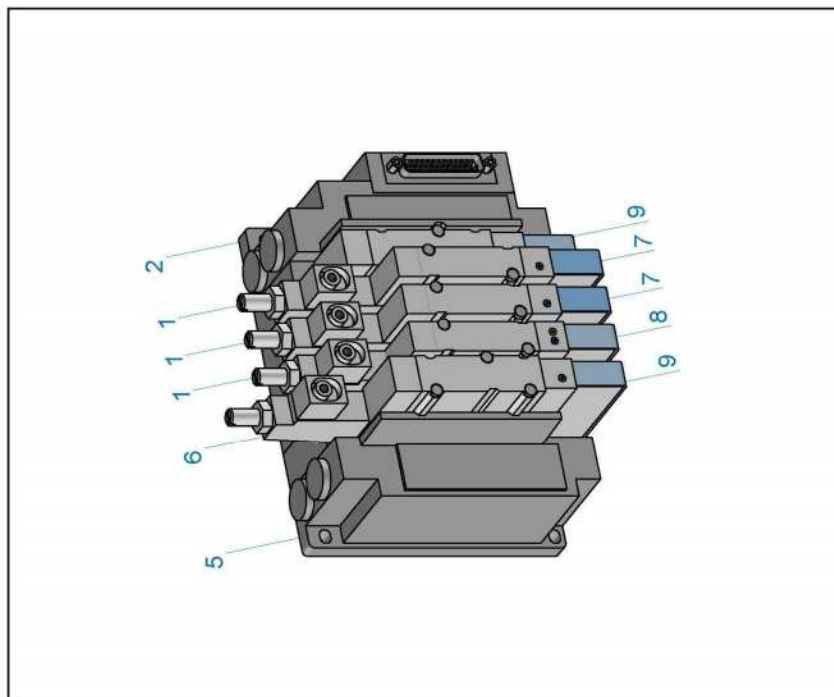
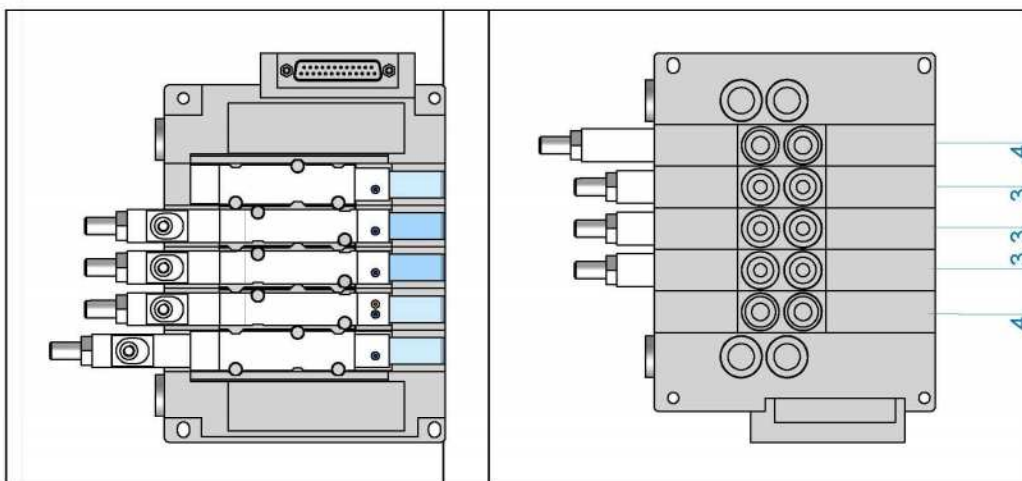
012-04-057 / Pneumatic Plate SMC



012-04-057 / Pneumatic Plate SMC

No.	Reference	Description	Qty
1	012-04-057-1	Pneumatic Support Sheet BM116	1
2	AF30-F03D-A	Air Descrator Filter Series 30 for Auto Purge- R1/8	1
3	AKH12-00	Inline Anti Blowback Valve Ø12	1
4	AN30C12	Silencer, Compact in Resin, Quick Fitting Size 30 - Ø12	2
5	ARG40 - F03C2H	Pressure Regulator ARG40	1
6	IS10E-30F03	Pressure Switch on Threaded Flange G1/4	1
7	K4-10-40	Pressure Manometer G1/4-Ø40-10PSI	4
8	K02H04-M5A	Air-bleed Right Male Fitting M5 - Ø4	4
9	K02H12-03AS	Air-bleed Right Male Fitting G1/4 - Ø12	1
10	K02L08-12A	Pluggable Elbow-Shaped Reducer Ø12 - Ø8	1
11	K02L10-03AS	Air-bleed Elbow Fitting G1/4 - Ø10F	1
12	K02L12-00A	Union Elbow Fitting Ø12	1
13	K02L12-99A	Pluggable Elbow-Shaped Fitting Ø12	2
14	K02L12-00A	Even Y Elbow Fitting Ø12	1
15	K02N12-99	Pluggable Double Male Junction Ø12	2
16	K02U12-99A	Right Y Pluggable Fitting Ø12	1
17	K02VS12-03AS	Hexagon Head Banjo Fitting G3/8 - Ø12F	2
18	PN RA1.1/4F 4F	Female Right Partition Crosspiece R1/4 - Ø4F	4
19	PN RA1.8M B	Cap Ø8	1
20	PN RA1.12M 8F R	Pluggable Reducer Ø12 - Ø8	1
21	PN RA1.4M 4F	Even Snap Fit Elbow-shaped Fitting Ø4	8
22	PN RA1.8M 8F	Even Snap Fit Bracket Ø8	1
23	PN RA1.61/4M 12F	Air-bleed Elbow Fitting G1/4 - Ø12F	2
24	SSSY7-M11F1-05B-C06	Block SY7000New, Connect Sub-D, 5 Posts	1
25	VP542-5H21-02FA	Solenoid valve 3/2 Series G1/4	1
26	Y300T-A	Spacer Fixer for Filter	1

SS5Y7-M11F1-05B-C86 / SY7000New Block 5 Posts



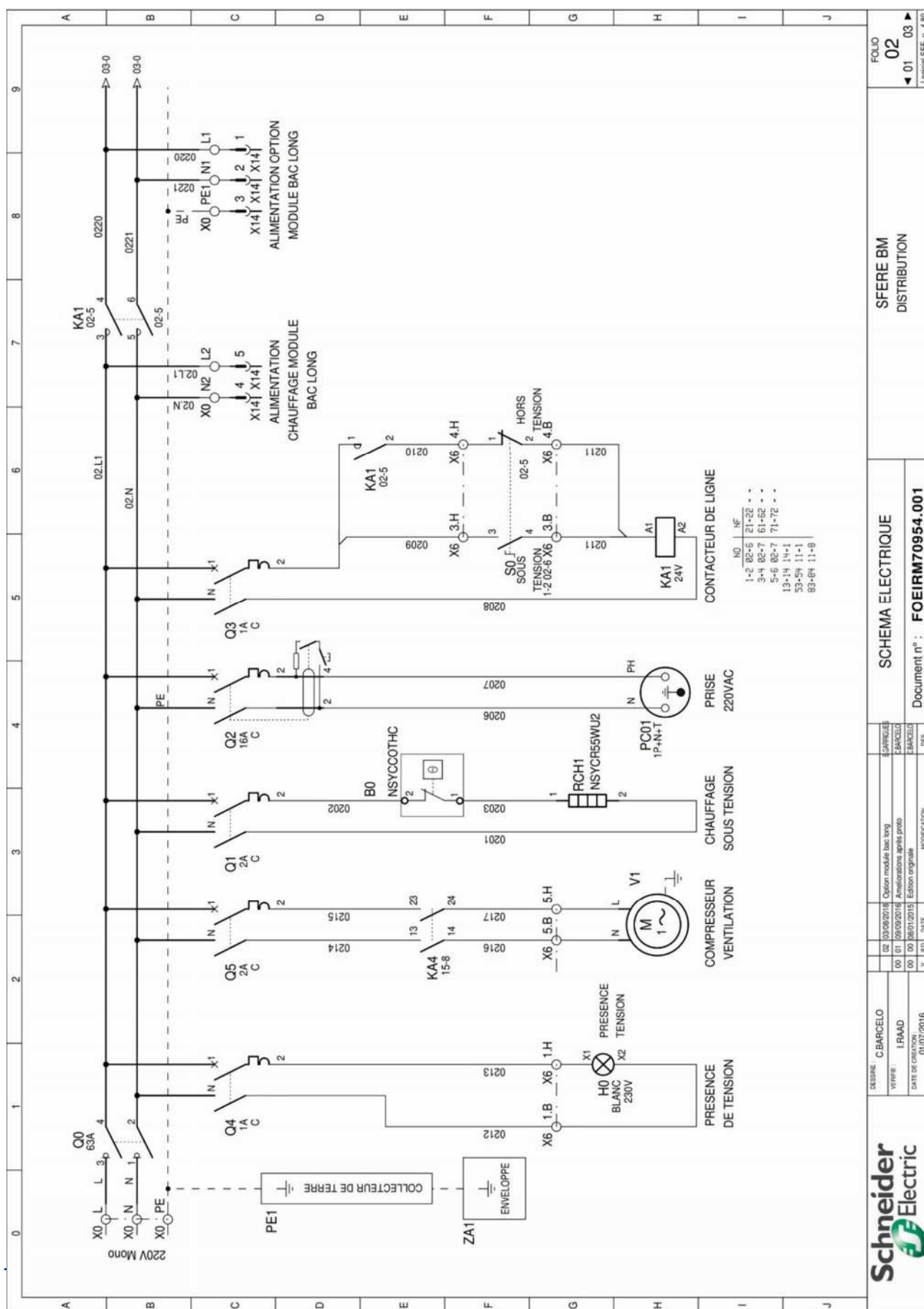
SS5Y7-M11F1-05B-C86 / SY7000New Block 5 Posts

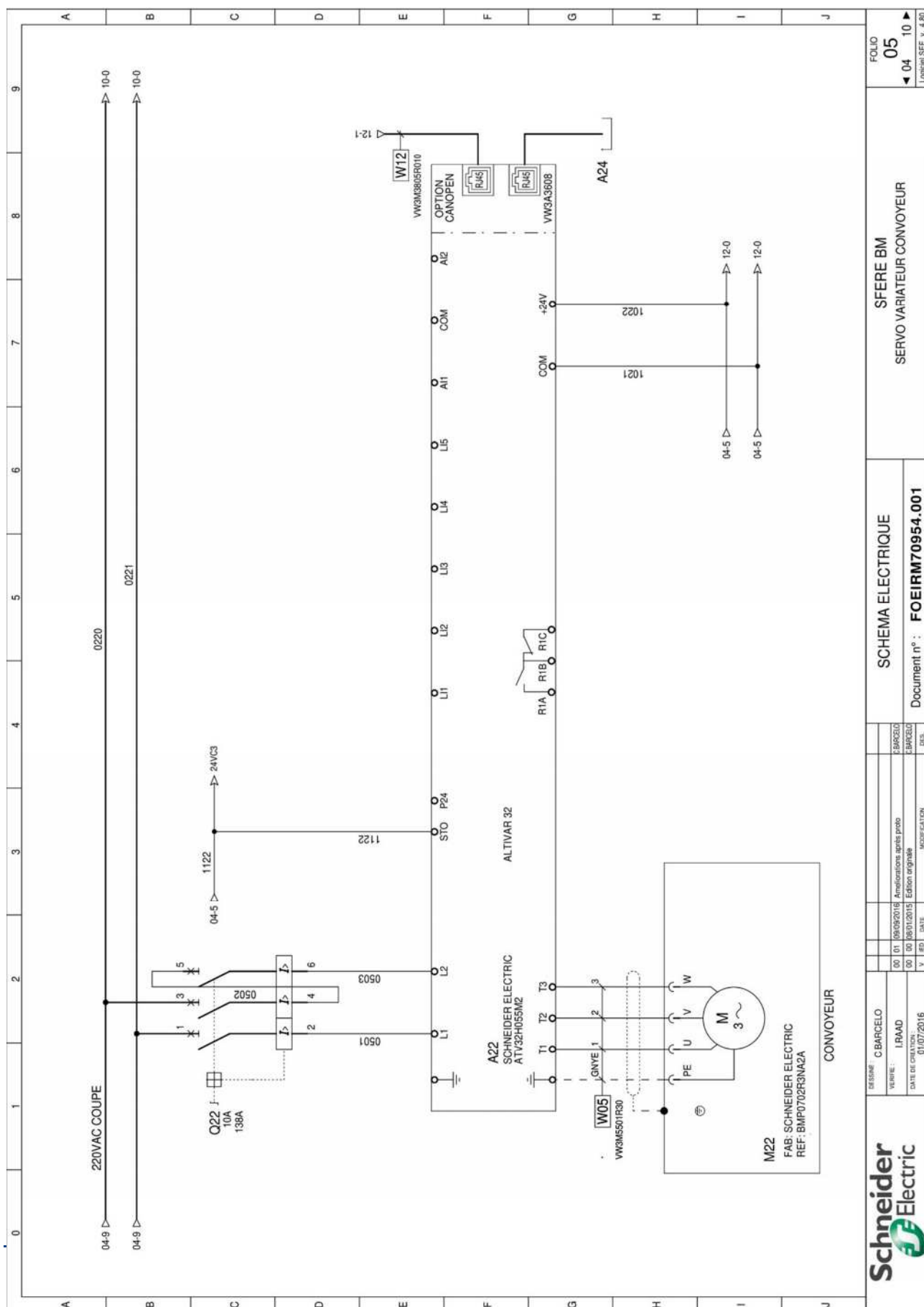
No.	Description	Reference	Supplier	Supplier Ref.	Qty	Comment
1	SY5000 Interface Regulator, Mano Remote, Adjustment on P	SY50M-M1-P-X700	SMC	SY50M-M1-P-X700	3	-
2	Power Block - Pressure + Exhaust Ø12	SY70M-1-11AB1-C12	SMC	SY70M-1-11AB1-C12	1	-
3	SY5000 Socket Bistable Cabling- Output Ø6	SY70M-2-2SA-C6	SMC	SY70M-2-2SA-C6	3	-
4	SY7000 Socket Bistable Cabling- Output Ø8	SY70M-2-2SA-C8	SMC	SY70M-2-2SA-C8	2	-
5	Limit block **, Pressure + Exhaust Ø12	SY70M-3-1AB-C12	SMC	SY70M-3-1AB-C12	1	-
6	SY7000 Interface Regulator, Mano Remote, Adjustment on P	SY70M-M1-P-X700	SMC	SY70M-M1-P-X700	1	-
7	Solenoid valve 5000 Series - 5/2 Monostable - 24VCC	SY5100-5U1	SMC	SY5100-5U1	2	Tensioner / Sorting Shutter
8	Solenoid valve SY5000 Series - 5/2 Bistable - 24VCC	SY5200-5U1	SMC	SY5200-5U1	1	Pallet
9	Solenoid valve 7000 Series - 5/2 Monostable - 24VCC	SY7100-5U1	SMC	SY7100-5U1	2	Cut / Cut Valve

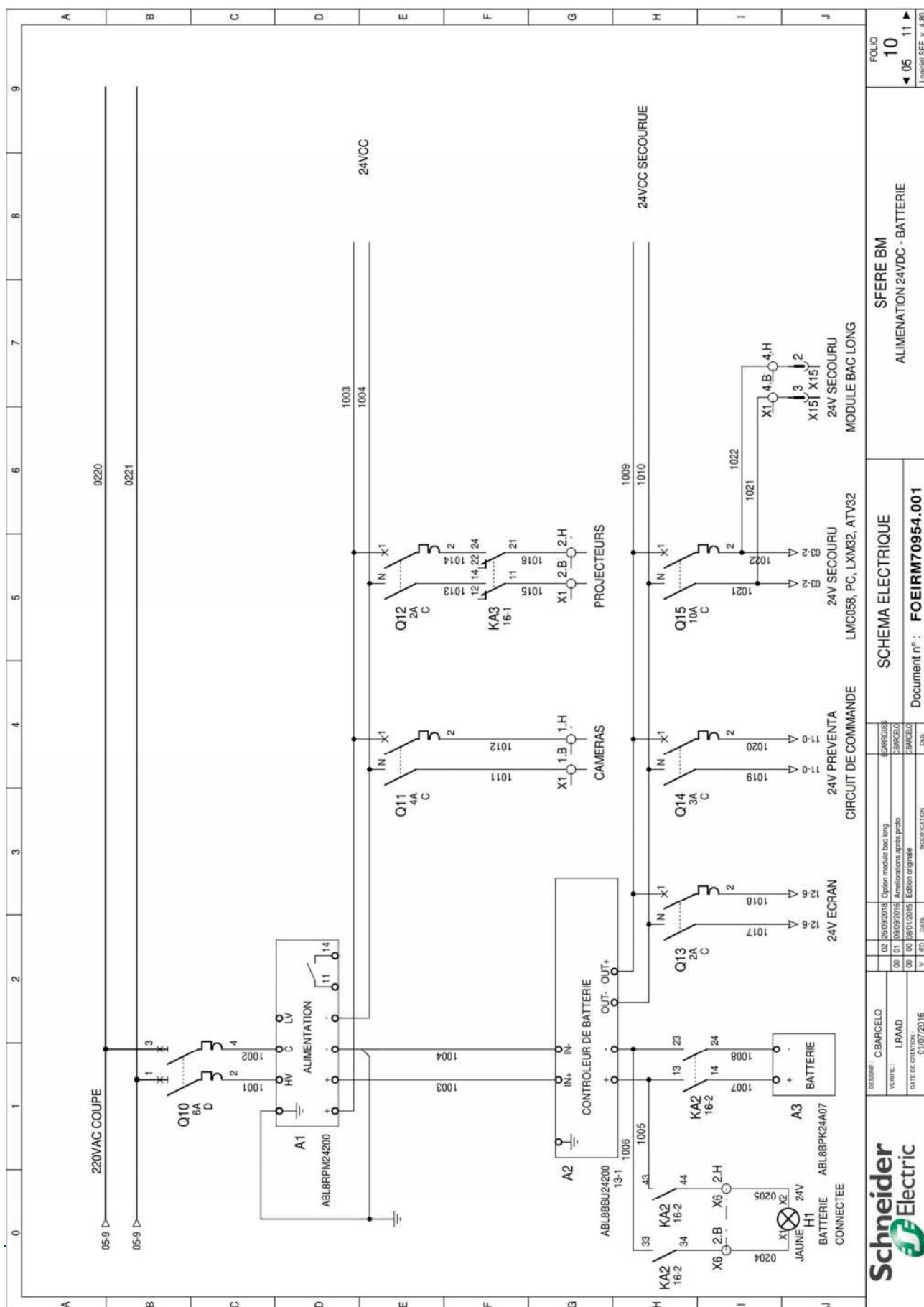
4 Wiring diagrams

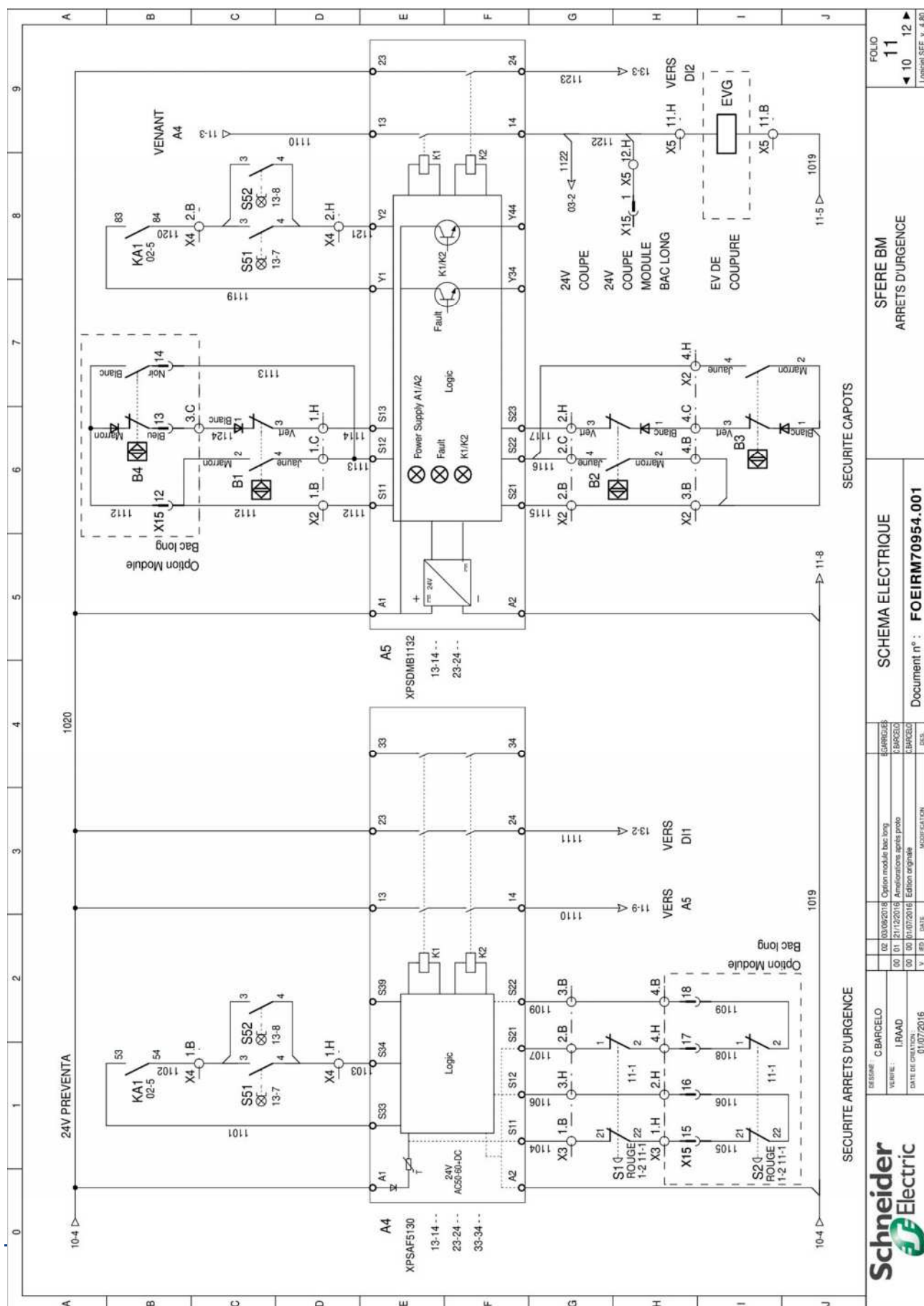
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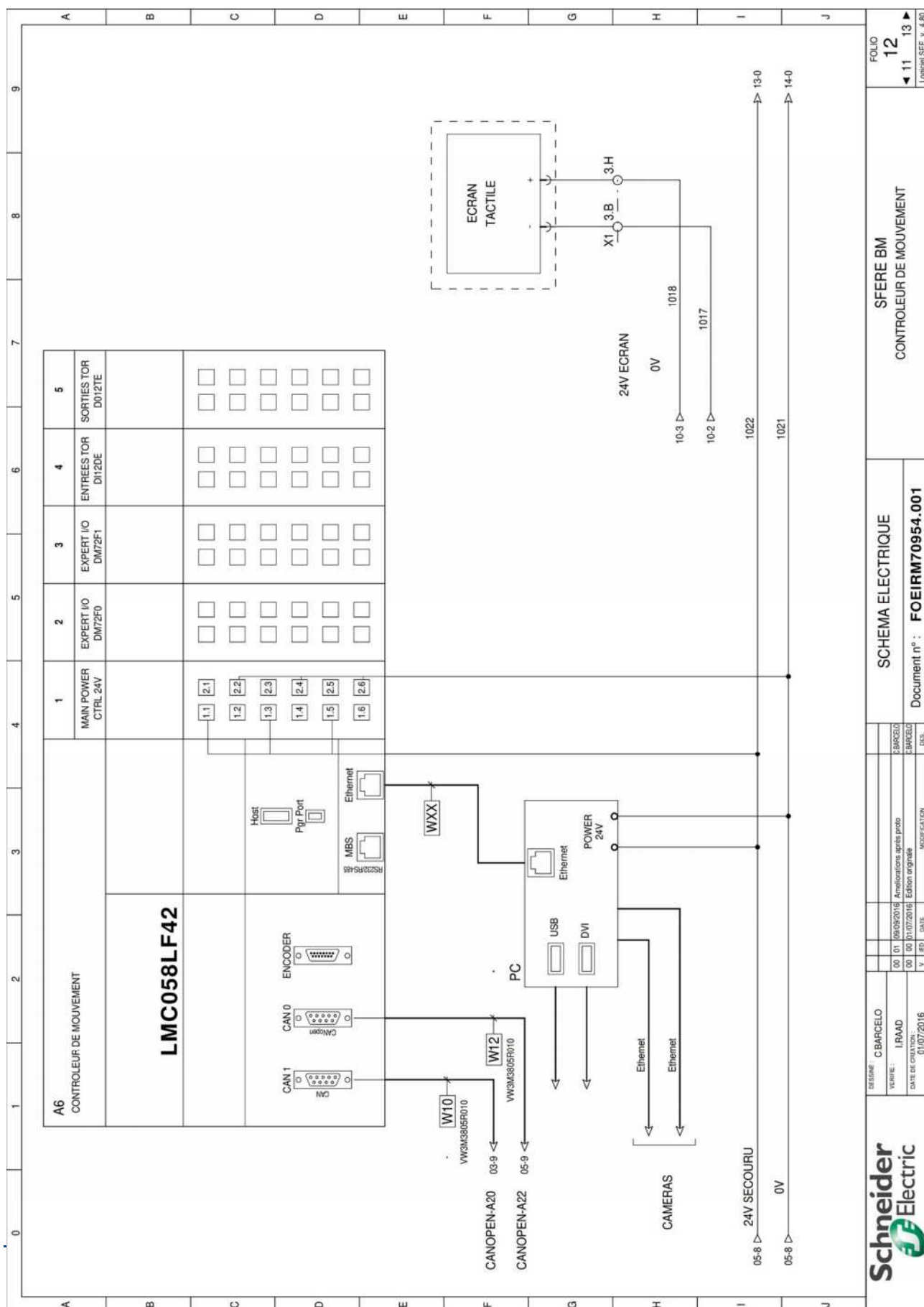
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			V	IED				V	IED
00		PAGE DE GARDE	00	00 01 02					
01		LISTE RECAPITULATIVE DES FOLIOS	00	00 01 02					
02		DISTRIBUTION	00	00 01 02					
03		SERVO VARIATEUR AMENAGE	00	00 01					
04		SERVO VARIATEUR COUPE	00	00 01					
05		SERVO VARIATEUR CONVOYEUR	00	00 01					
10		ALIMENTATION 24VDC - BATTERIE	00	00 01 02					
11		ARRETS D'URGENCE	00	00 01 02					
12		CONTROLEUR DE MOUVEMENT	00	00 01					
13		ENTREES TOR DI12DE	00	00 01					
14		ENTREES TOR DI12DE	00	00 01					
15		SORTIES TOR DO12TE	00	00 01					
16		SORTIES TOR DO12TE	00	00 01					
17		ENTREES/SORTIES EXPERT I/O OPTION MODULE BAC LON	00	02					
18		ENTREES/SORTIES EXPERT I/O OPTION MODULE BAC LON	00	02					
30		BORNIER X0	00	00 01 02					
31		BORNIER X1	00	00 01 02					
32		BORNIER X2	00	00 01 02					
33		BORNIER X3	00	00 01					
34		BORNIER X4	00	00 01					
35		BORNIER X5	00	00 01 02					
36		BORNIER X6	00	00 01					
37		BORNIER X7	00	00 01					
40		NOMENCLATURE	00	00 01					
41		NOMENCLATURE	00	00 01					
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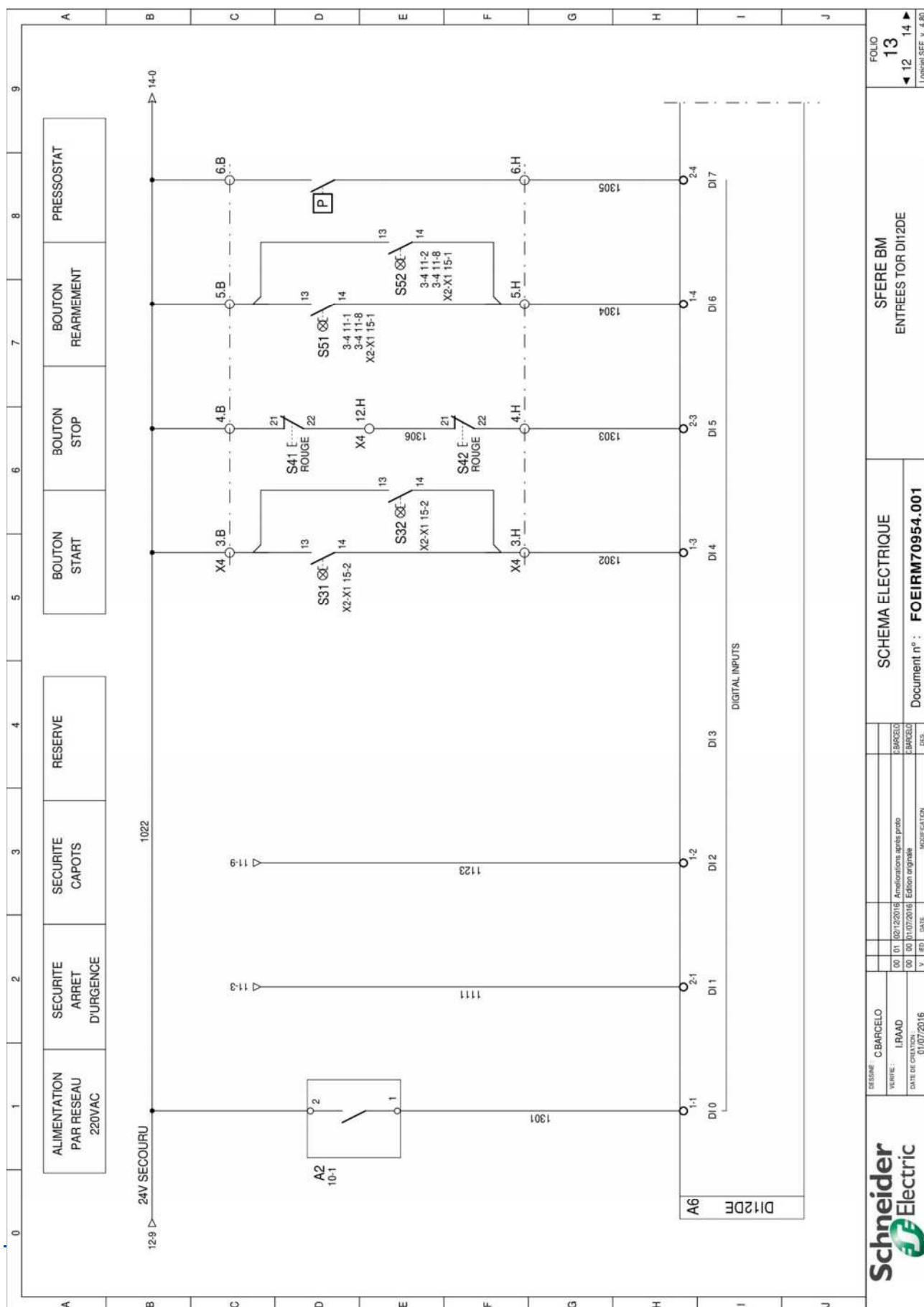


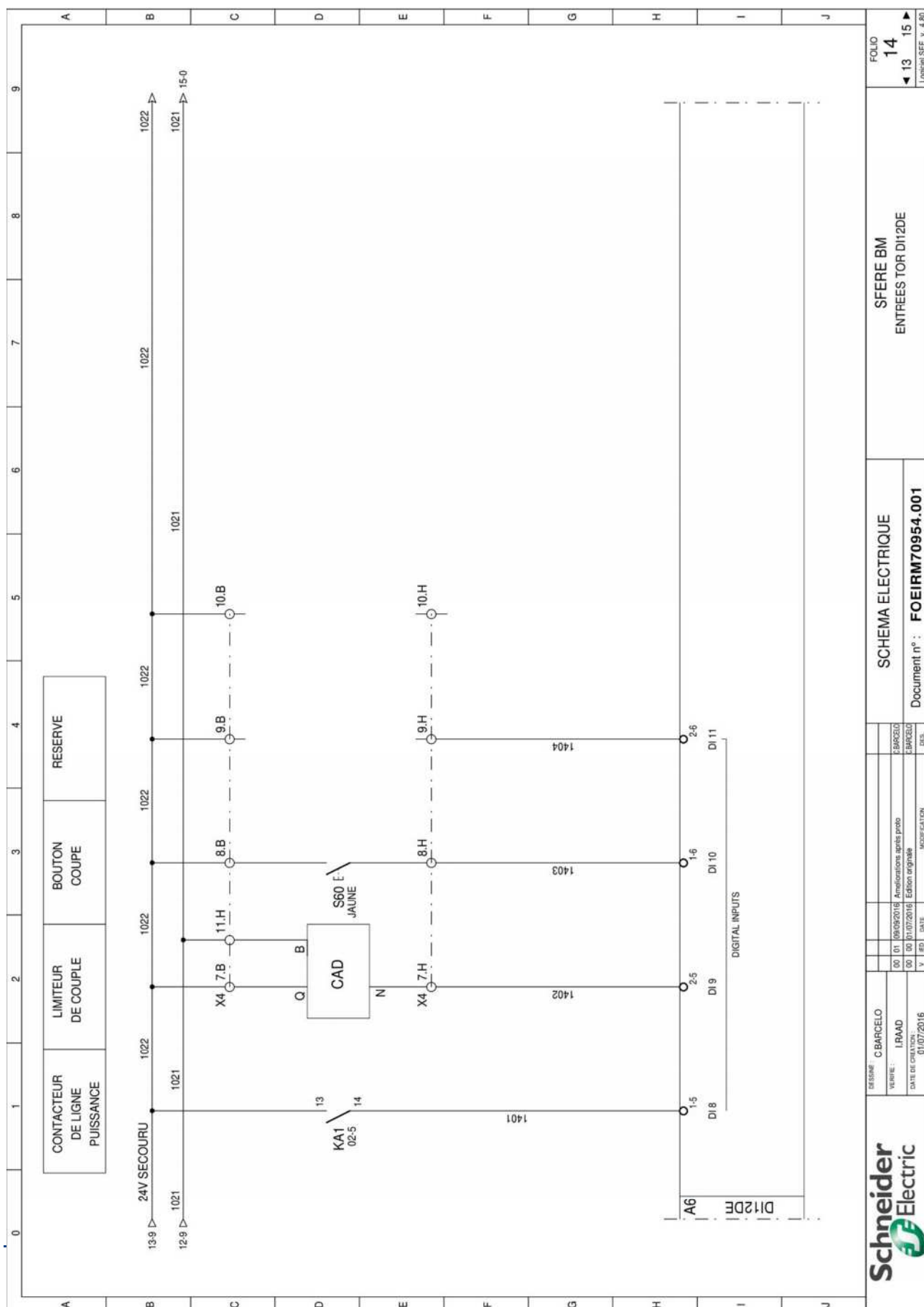


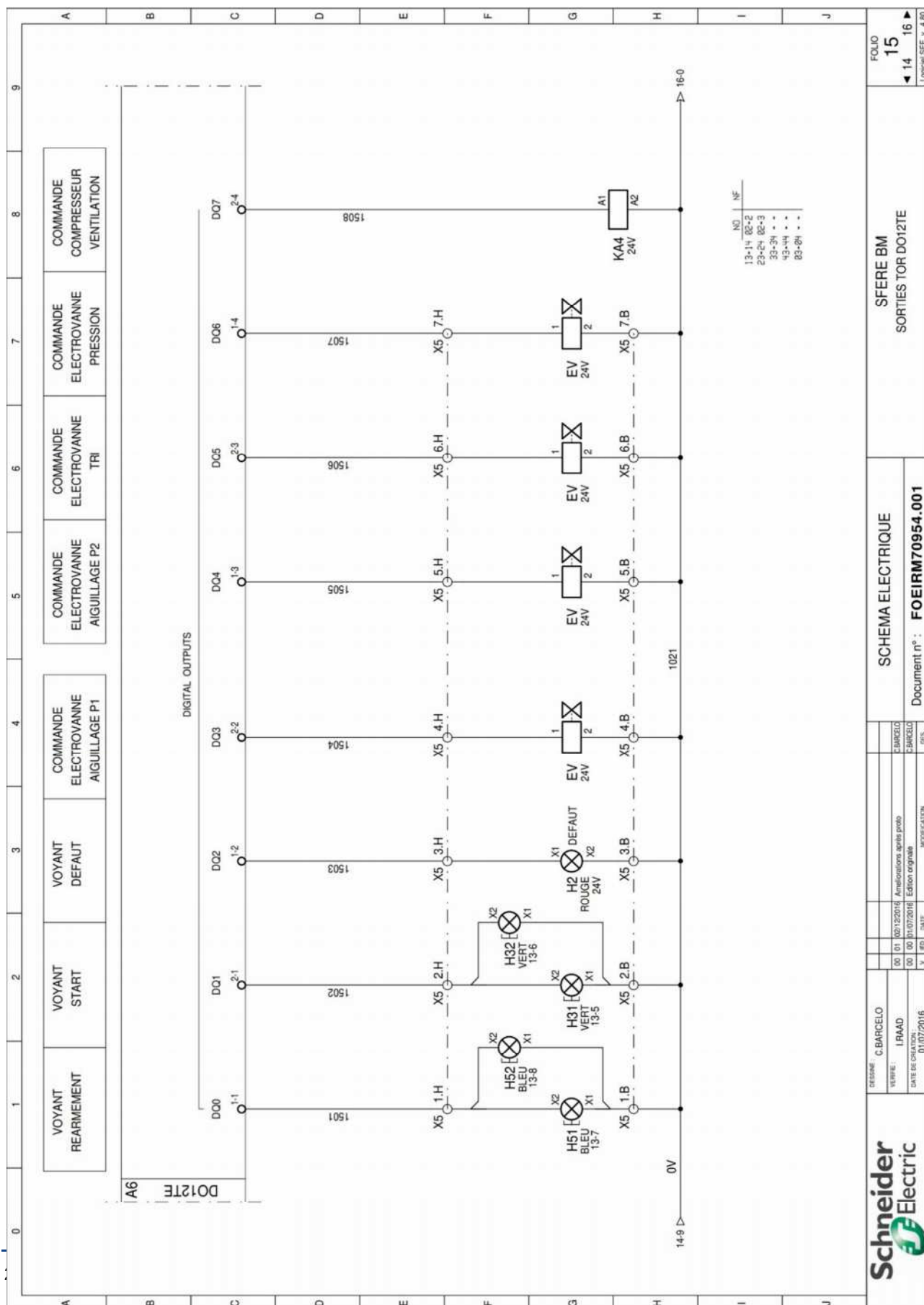


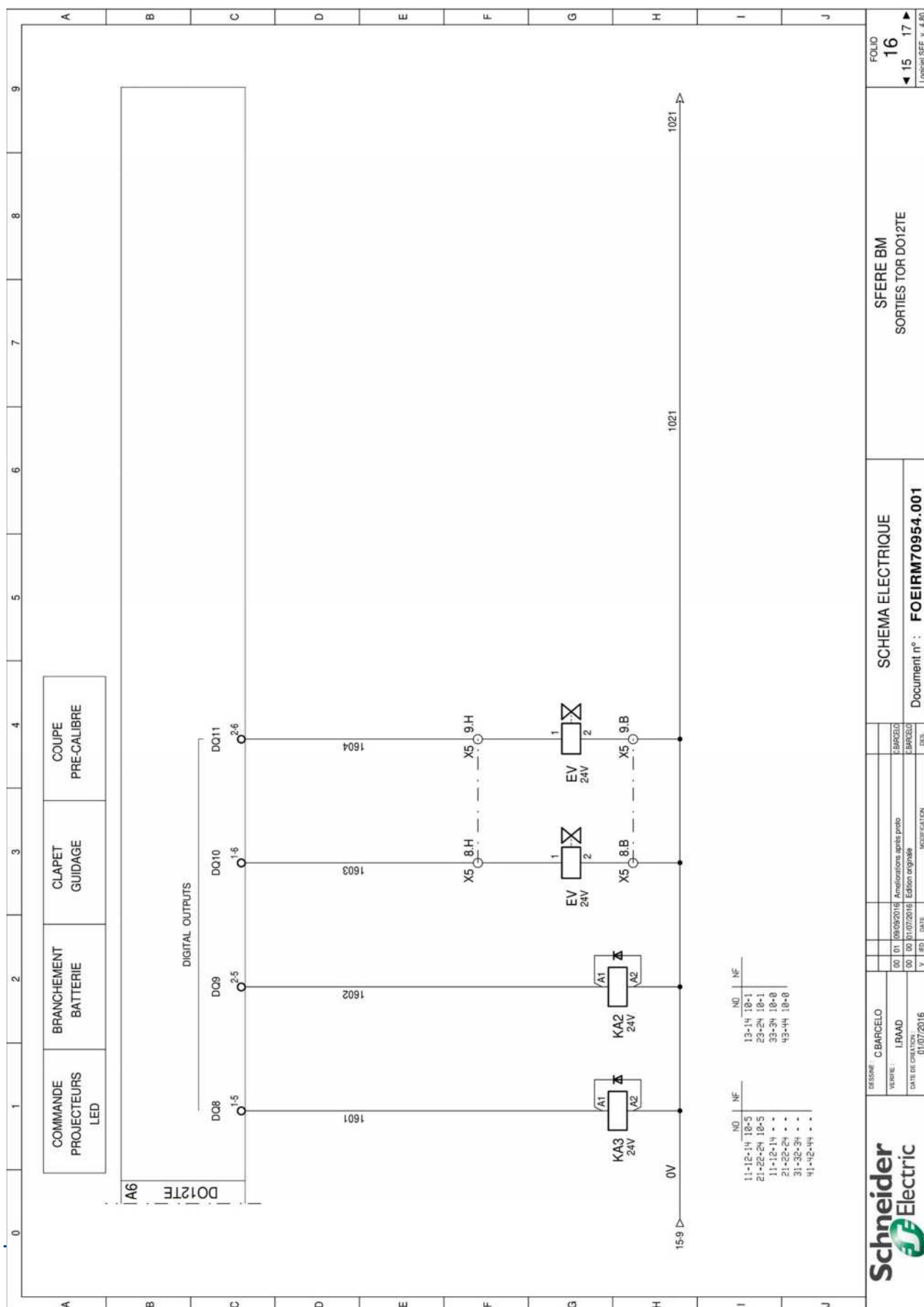


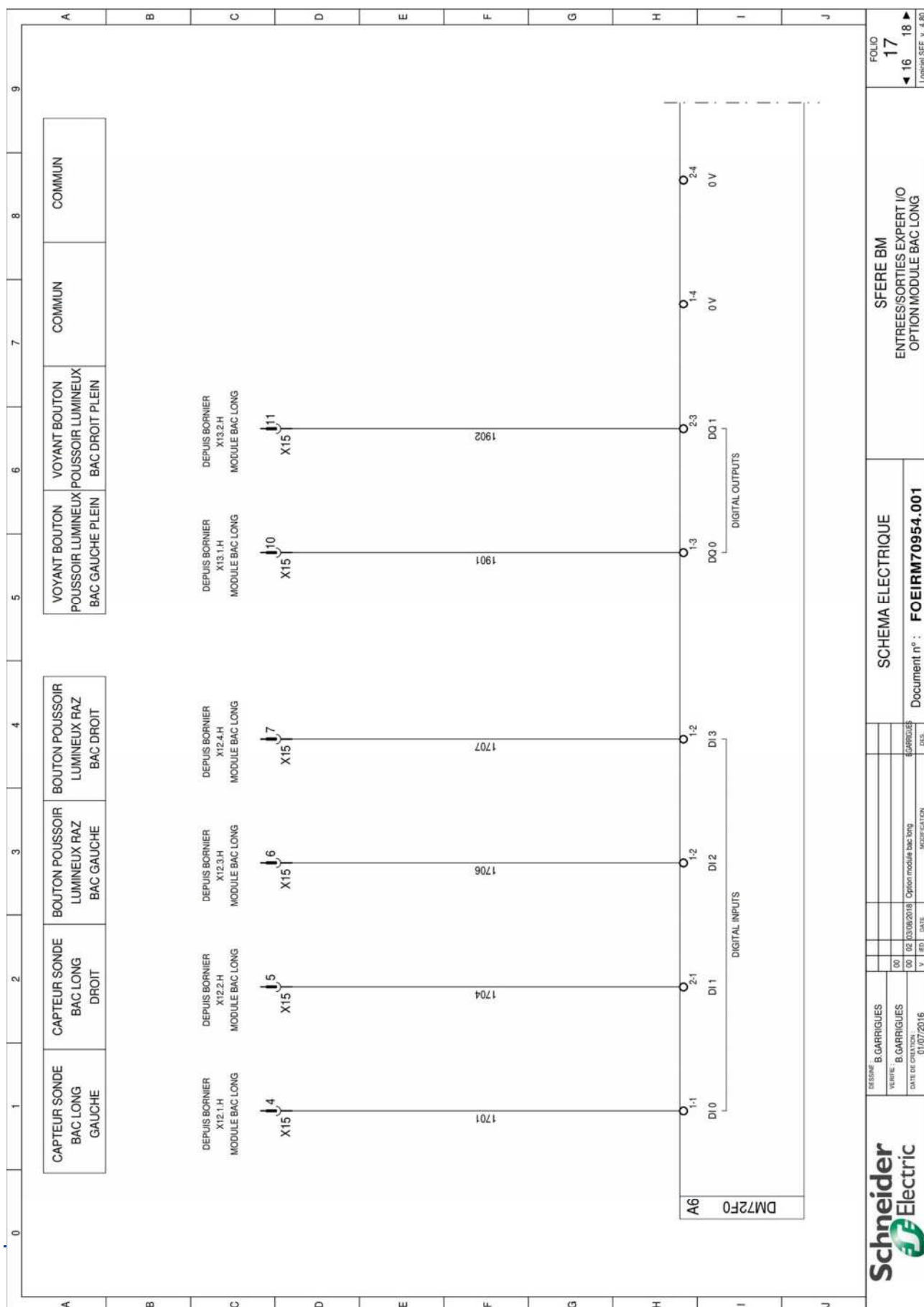


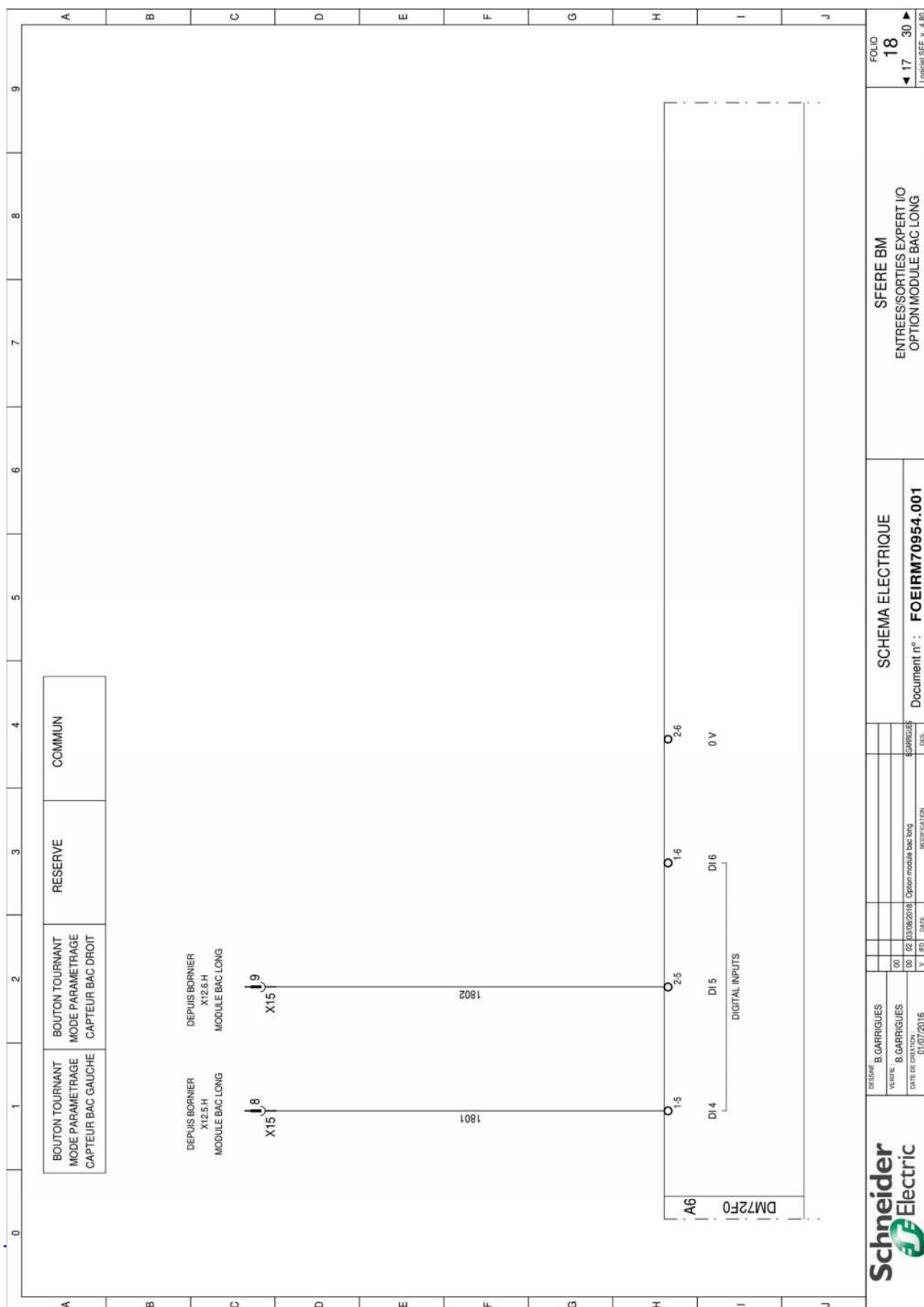


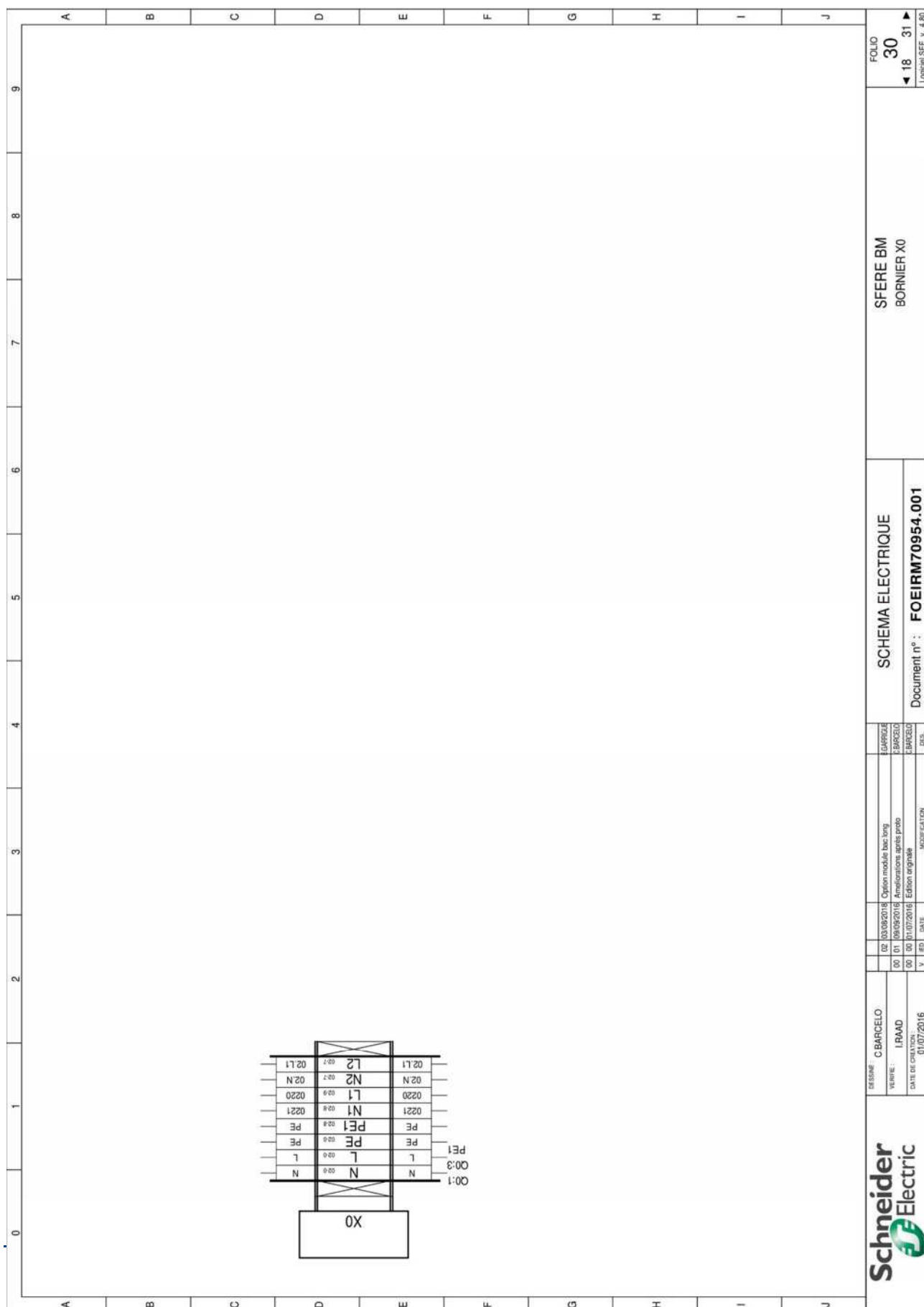


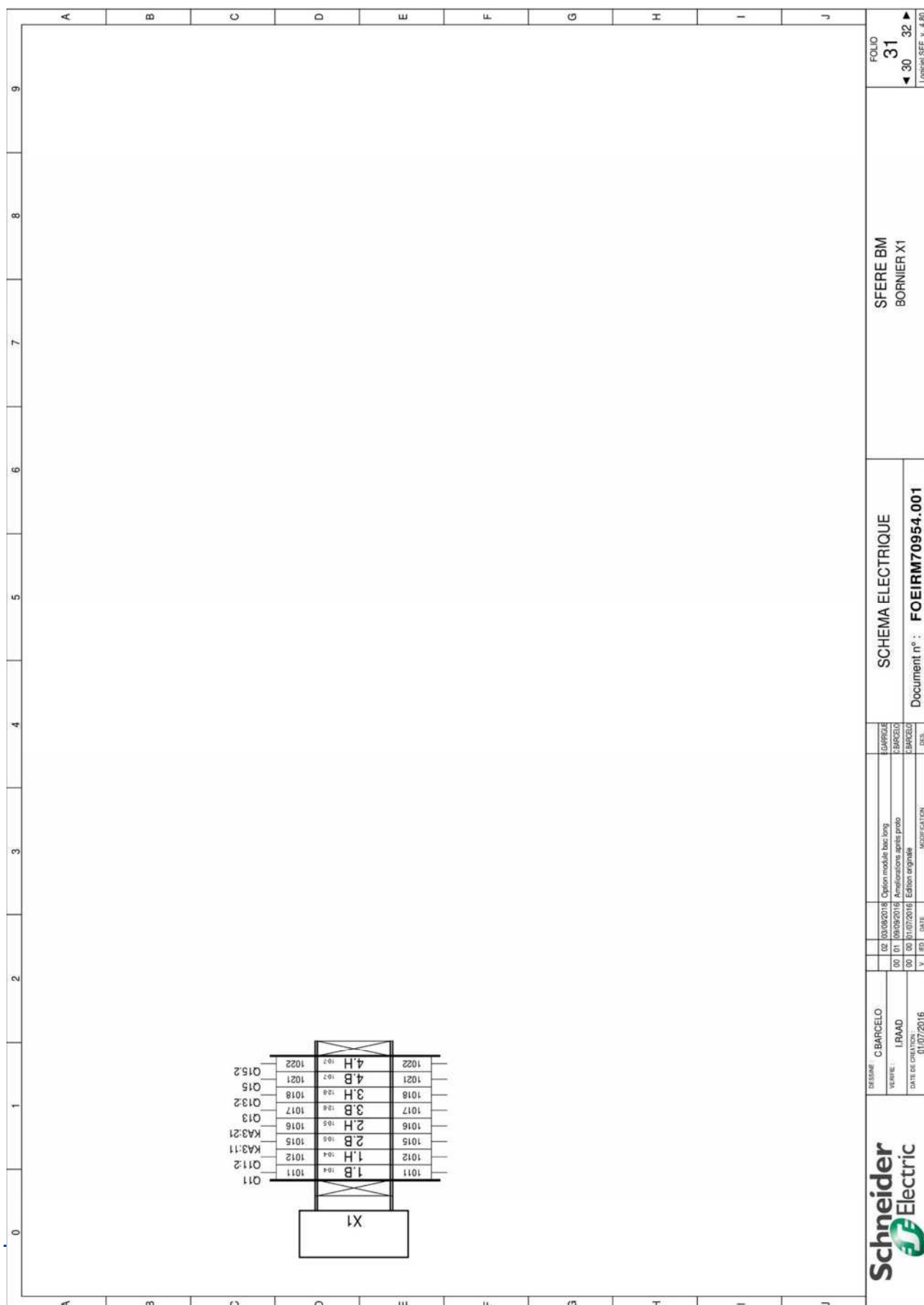


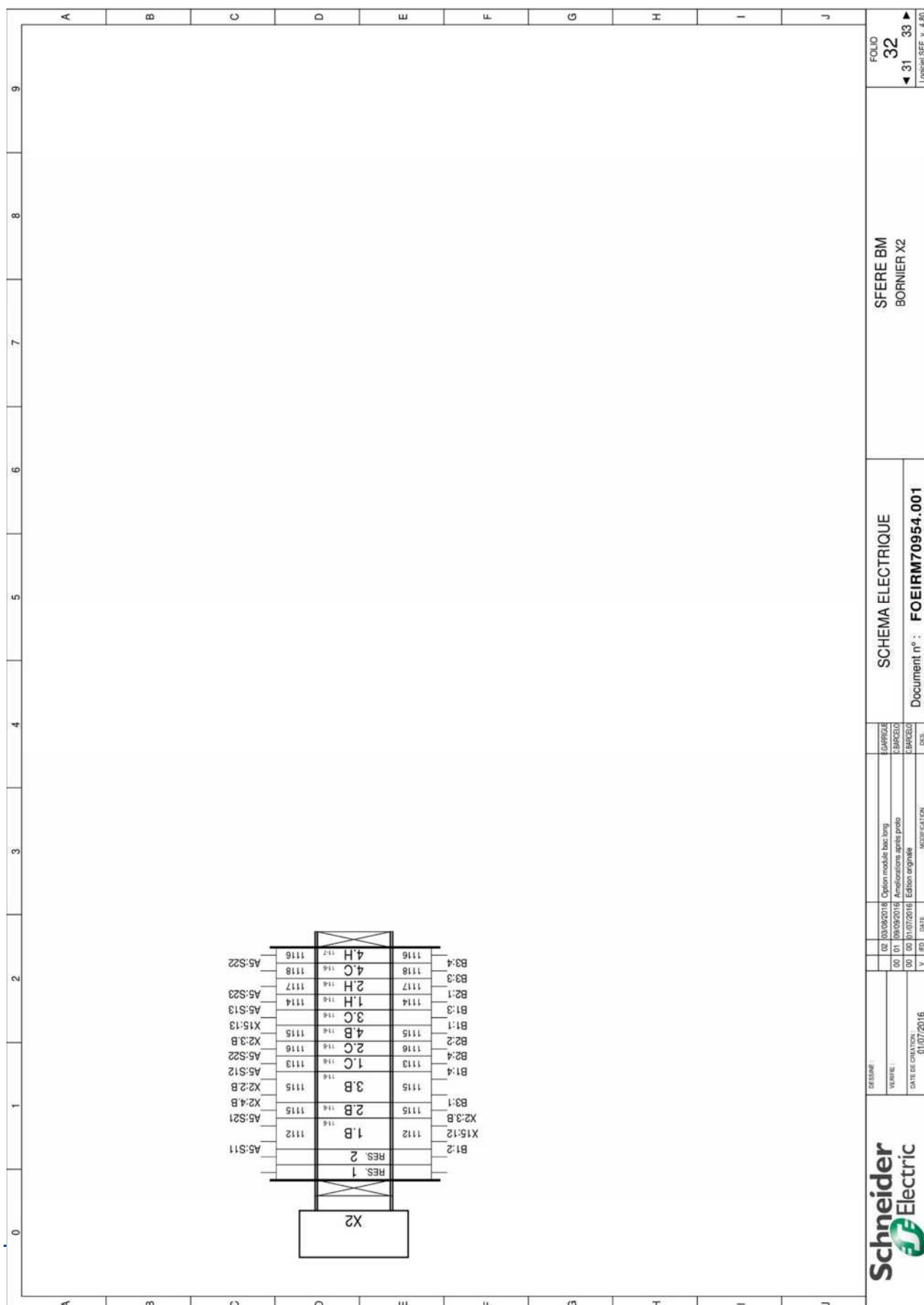


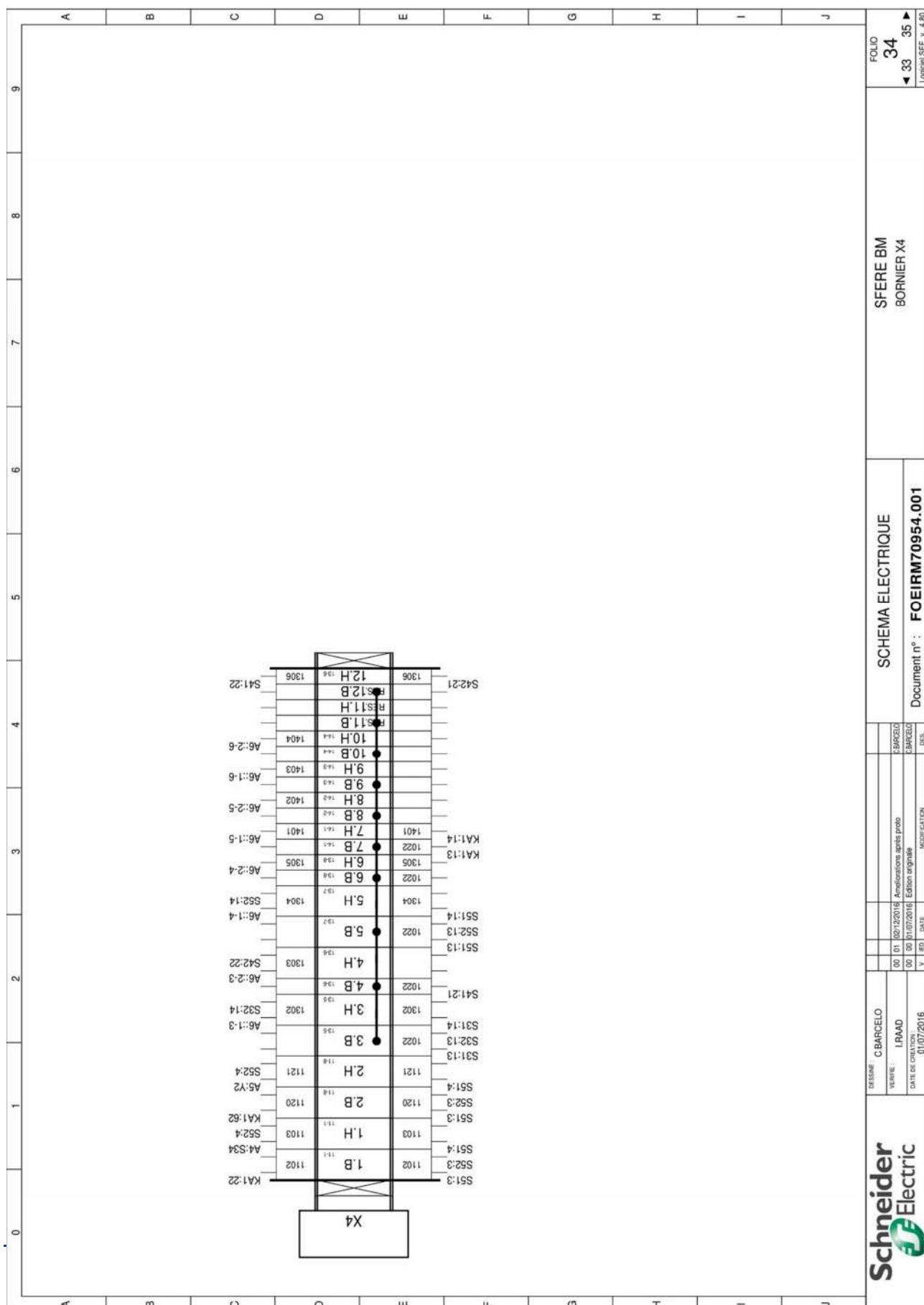




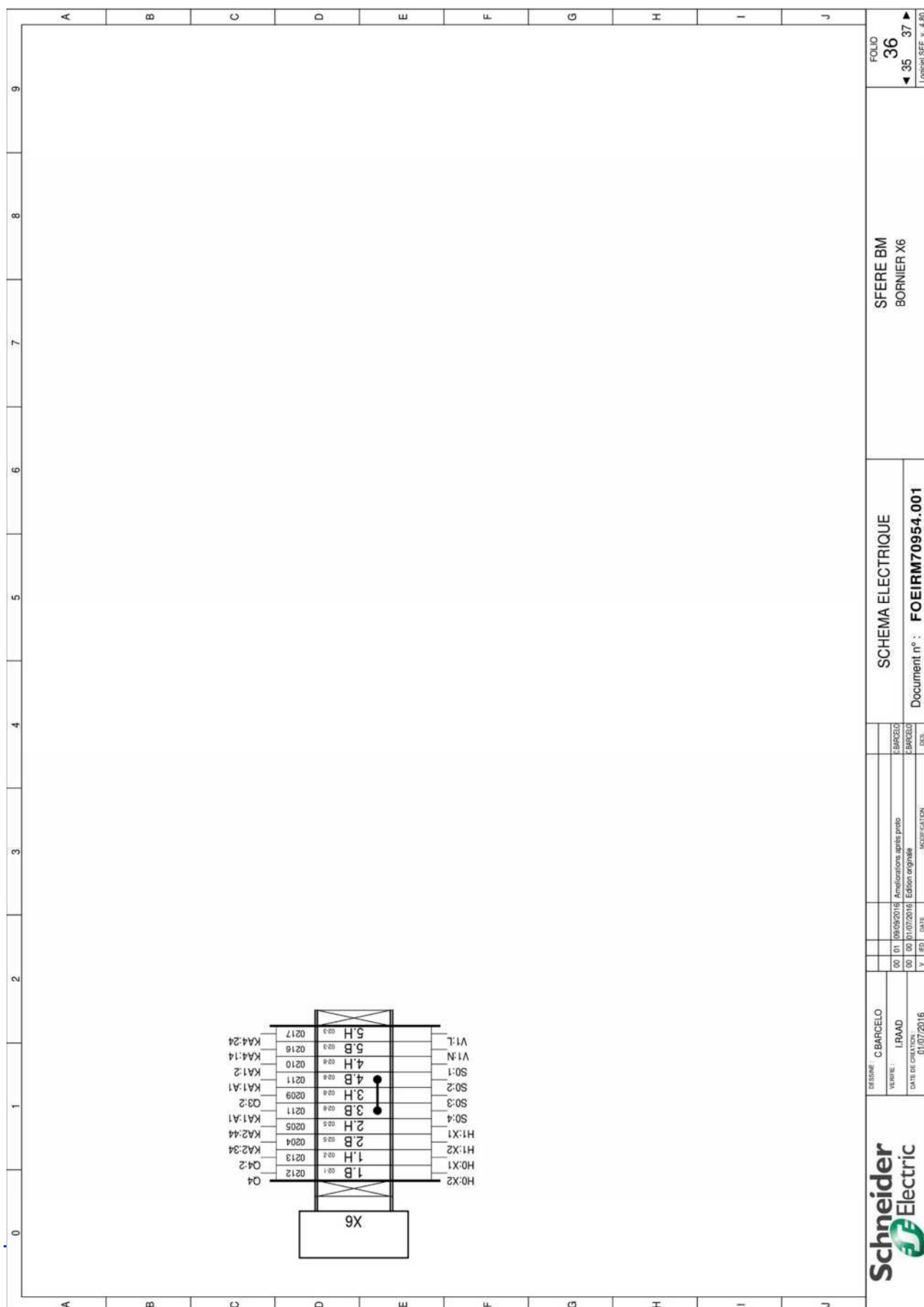


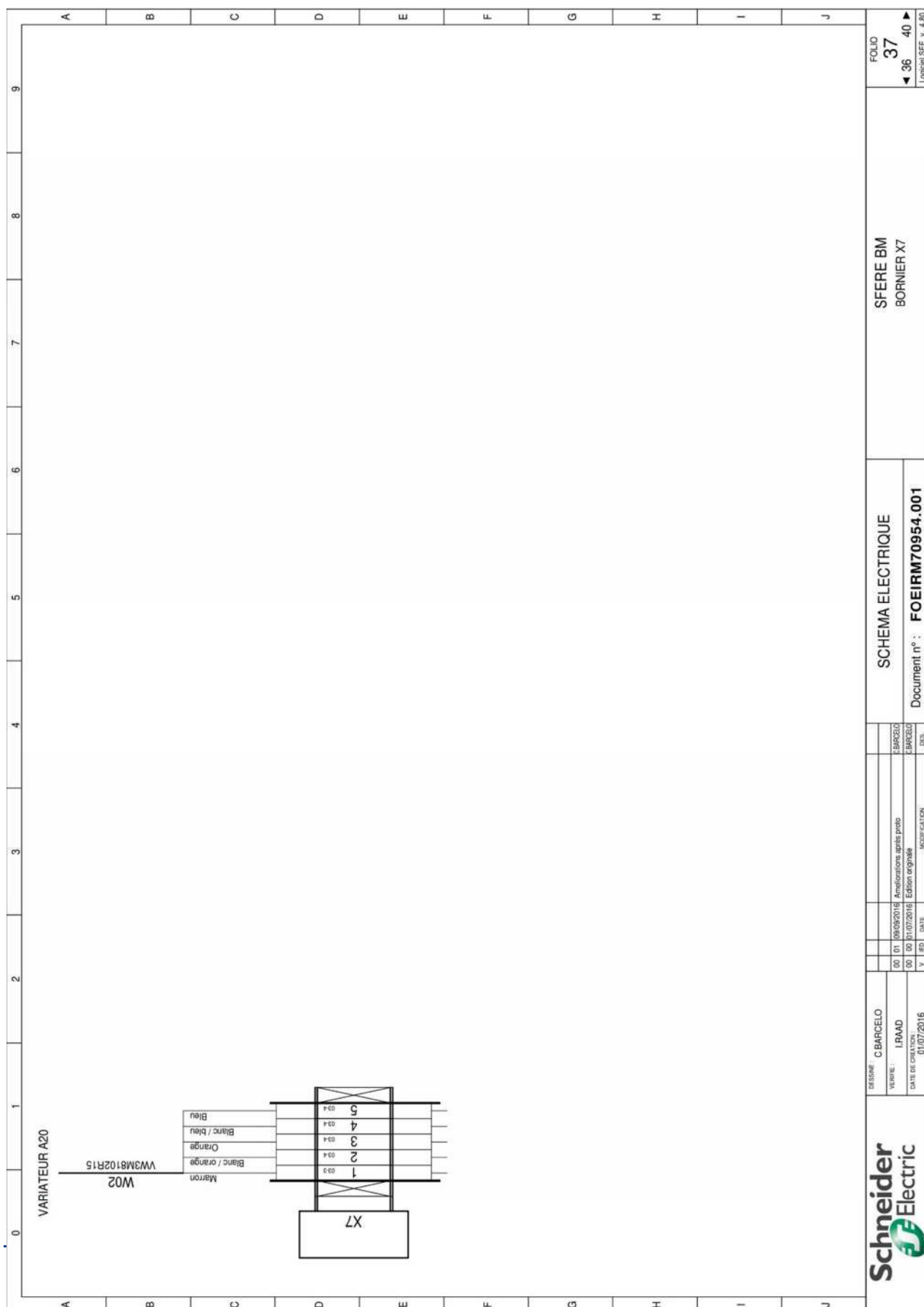






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A	REPERE	FOLIO	DESIGNATION			REFERENCE	FABRICANT	QTE	A
	KA3	16	SOUF. MAGNET. INST. 4INV 15A 24V 4W DET. G REP. CEN VOY. MEC. DIODE + EN A1			1783D33G0Z0	TEC AUTOMATISMES	1	
		16	RELAIS D'INTERFACE ENFICHABLE - ZELIO RSB - 2 OC - 24 V CC			RSB2A080BD	SCHNEIDER ELECTRIC	1	
		16	EMBASE 12A 300VAC			RSZE1S48M	SCHNEIDER ELECTRIC	1	
B	KA4	15	CONTACTEUR AUXILIAIRE MODELE D 24DC			CAD50BD	SCHNEIDER ELECTRIC	1	B
	M20	03	MOTEUR 70MM IEC 3,4NM IP54 900W LISSE ENC. SINCOS MULT.TIT.16 CONN.ANG. FREIN			BMH0703T07A2A	SCHNEIDER ELECTRIC	1	
		03	KIT REDUCTEUR TAILLE 60 POUR MOTEURS BMH			GBK0600703F	SCHNEIDER ELECTRIC	1	
		03	REDUCTEUR PLANETAIRE 60MM, RAPPORT 8			GBX060008K	SCHNEIDER ELECTRIC	1	
C	M21	04	MOTEUR 70MM IEC 3,4NM IP54 900W LISSE ENC. SINCOS MULT.TIT.16 CONN.ANG. FREIN			BMH0703T07A2A	SCHNEIDER ELECTRIC	1	C
		04	KIT REDUCTEUR TAILLE 60 POUR MOTEURS BMH			GBK0600703F	SCHNEIDER ELECTRIC	1	
		04	REDUCTEUR PLANETAIRE 60MM, RAPPORT 5			GBX060005K	SCHNEIDER ELECTRIC	1	
	M22	05	MOTEUR 60MM IEC 1,75NM IP65 0.55KW			BMP0702R3NA2A	SCHNEIDER ELECTRIC	1	
D		05	KIT REDUCTEUR TAILLE 60 POUR MOTEURS BMH			GBK0600702F	SCHNEIDER ELECTRIC	1	D
		05	REDUCTEUR PLANETAIRE 60MM, RAPPORT 3			GBX060003K	SCHNEIDER ELECTRIC	1	
	PC01	02	PRISE DE COURANT 2P+T 16A, 250VAC			A9A15306	SCHNEIDER ELECTRIC	1	
E	PE1	02	COLLECTEURS DE TERRE (2), 12 MODULES, 1 BORNE 35mm2 ET 20 ETRIERS			04202	SCHNEIDER ELECTRIC	1	E
	Q0	02	INTERRUPTEUR-SECTIONNEUR VCF - 3P - 690 V 63 A - POIGNEE ROUGE CADENASSABLE			VCF3	SCHNEIDER ELECTRIC	1	
	Q1	02	DISJONCTEUR IC60N 1P+N 2A, 240VAC/50KA 72VDC/6KA, COURBE C			A9F74602	SCHNEIDER ELECTRIC	1	
F	Q2	02	DISJONCTEUR DT40 VIGI 1P+N CLASSE AC 16A 30mA COURBE C			A9N21444	SCHNEIDER ELECTRIC	1	F
	Q3	02	DISJONCTEUR DT40 1P+N 1A 6KA, COURBE C			A9N21019	SCHNEIDER ELECTRIC	1	
	Q4	02	DISJONCTEUR DT40 1P+N 1A 6KA, COURBE C			A9N21019	SCHNEIDER ELECTRIC	1	
	Q5	02	DISJONCTEUR IC60N 1P+N 2A, 240VAC/50KA 72VDC/6KA, COURBE C			A9F74602	SCHNEIDER ELECTRIC	1	
G	Q10	10	DISJONCTEUR IC60N 2P 6A, 440VAC/6KA 133VDC/6KA, COURBE D			A9F75205	SCHNEIDER ELECTRIC	1	G
	Q11	10	DISJONCTEUR DT40 1P+N 4A 6KA, COURBE C			A9N21022	SCHNEIDER ELECTRIC	1	
	Q12	10	DISJONCTEUR DT40 1P+N 2A 6KA, COURBE C			A9N21020	SCHNEIDER ELECTRIC	1	
	Q13	10	DISJONCTEUR DT40 1P+N 2A 6KA, COURBE C			A9N21020	SCHNEIDER ELECTRIC	1	
	Q14	10	DISJONCTEUR DT40 1P+N 3A 6KA, COURBE C			A9N21021	SCHNEIDER ELECTRIC	1	
	Q15	10	DISJONCTEUR DT40 1P+N 10A 6KA COURBE C			A9N21024	SCHNEIDER ELECTRIC	1	
	Q20	03	DISJONCTEUR IC60N 2P 10A, 440VAC/6KA 133VDC/6KA, COURBE C			A9F77210	SCHNEIDER ELECTRIC	1	
	Q21	04	DISJONCTEUR IC60N 2P 10A, 440VAC/6KA 133VDC/6KA, COURBE C			A9F77210	SCHNEIDER ELECTRIC	1	
	Q22	05	DISJONCTEUR MOTEUR MAGNETIQUE 10A			GV2L14	SCHNEIDER ELECTRIC	1	
	RCH1	02	RESISTANCE CHAUFFANTE 55W, 110-250VAC/110-250VDC			NSYCR55WU2	SCHNEIDER ELECTRIC	1	
	S0	02	BOUTON TOURNANT			XB5AD53	SCHNEIDER ELECTRIC	1	
J		02	KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT			ZB5AZ024	SCHNEIDER ELECTRIC	1	J
 SCHEMA ELECTRIQUE Document n° : FOEIRM70954.001 FOLIO 41 REPERE C BARCELO VERIFIE : LRAAD DATE DE CREATION : 01/07/2016 REVISION 00 01 09/09/2016 Améliorations agents prodo 00 02 01/07/2016 Edition originale REVISION 00 01 09/09/2016 Améliorations agents prodo 00 02 01/07/2016 Edition originale REVISION 00 01 09/09/2016 Améliorations agents prodo 00 02 01/07/2016 Edition originale SFERE BM NOMENCLATURE 41 40 42 Version SEF v. 4.80									

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REPERE		FOLIO		DESIGNATION								REFERENCE		FABRICANT		QTE			
		02		HARMONY ETIQUETTE - Ø22 - 8 X 27 MM - HORS-EN								ZBY02167		SCHNEIDER ELECTRIC		1			
S1		11		ARRET D'URGENCE ROUGE Ø22- TETE Ø 40 TOURNER POUR DEVERROUILLER								XB4BS84442		SCHNEIDER ELECTRIC		1			
		11		CONTACT VIS ETRIER O								ZBE102		SCHNEIDER ELECTRIC		1			
		11		ETIQUETTE JAUNE RONDE POUR BOUTONS "COUP DE POING", 60mm, NON MARQUEE								ZBY9121		SCHNEIDER ELECTRIC		1			
S2		11		ARRET D'URGENCE ROUGE Ø22- TETE Ø 40 TOURNER POUR DEVERROUILLER								XB4BS84442		SCHNEIDER ELECTRIC		1			
		11		CONTACT VIS ETRIER O								ZBE102		SCHNEIDER ELECTRIC		1			
		11		ETIQUETTE JAUNE RONDE POUR BOUTONS "COUP DE POING", 60mm, NON MARQUEE								ZBY9121		SCHNEIDER ELECTRIC		1			
S31		13		BOUTON POUSSOIR LUMINEUX								XB5AW3385		SCHNEIDER ELECTRIC		1			
		13		KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT								ZB5A2023		SCHNEIDER ELECTRIC		1			
		13		ETIQUETTE START								ZBY02303		SCHNEIDER ELECTRIC		1			
S32		13		BOUTON POUSSOIR LUMINEUX								XB5AW3385		SCHNEIDER ELECTRIC		1			
		13		KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT								ZB5A2023		SCHNEIDER ELECTRIC		1			
		13		ETIQUETTE START								ZBY02303		SCHNEIDER ELECTRIC		1			
S41		13		BOUTON-POUSSOIR ROUGE Ø22 - A IMPULSION AFFLEURANT - 1NF, D22								XB5BA42		SCHNEIDER ELECTRIC		1			
		13		KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT								ZB5A2023		SCHNEIDER ELECTRIC		1			
		13		ETIQUETTE STOP								ZBY02304		SCHNEIDER ELECTRIC		1			
S42		13		BOUTON-POUSSOIR ROUGE Ø22 - A IMPULSION AFFLEURANT - 1NF, D22								XB5BA42		SCHNEIDER ELECTRIC		1			
		13		KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT								ZB5A2023		SCHNEIDER ELECTRIC		1			
		13		ETIQUETTE STOP								ZBY02304		SCHNEIDER ELECTRIC		1			
S51		13		BOUTON POUSSOIR LUMINEUX								XB5AW3695		SCHNEIDER ELECTRIC		1			
		13		KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT								ZB5A2023		SCHNEIDER ELECTRIC		1			
		13		CONTACT VIS ETRIER F								ZBE101		SCHNEIDER ELECTRIC		1			
		13		ETIQUETTE REARMEMENT								ZBY00123		SCHNEIDER ELECTRIC		1			
S52		13		BOUTON POUSSOIR LUMINEUX								XB5AW3695		SCHNEIDER ELECTRIC		1			
		13		KIT DE MONTAGE POUR LEGENDE SUR BOUTON POUSSOIR ET TOURNANT								ZB5A2023		SCHNEIDER ELECTRIC		1			
		13		CONTACT VIS ETRIER F								ZBE101		SCHNEIDER ELECTRIC		1			
		13		ETIQUETTE REARMEMENT								ZBY00123		SCHNEIDER ELECTRIC		1			
S60		14		BOUTON POUSSOIR								XB5AA51		SCHNEIDER ELECTRIC		1			
V1		02		GRILLE DE SORTIE POUR VENTILATEUR 92x92, RAL 7035								NSYCAG92LPF		SCHNEIDER ELECTRIC		3			
		02		CLIMASYS CV - VENTILATEUR 38 M3H 230V - IP54								NSYCVF38M230PF		SCHNEIDER ELECTRIC		1			
W01		03		CABLE ALIM. - ENTRE MOTEUR DE COMMANDE BSH ET SERVOMOTEUR - 4x1,5 mm2 - 1,5								VW3M5101R15		SCHNEIDER ELECTRIC		1			
W02		37		CABLE CODEUR M23 - RJ45, 1.5m								VW3M8102R15		SCHNEIDER ELECTRIC		1			
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5 Revision history

Revision	Date	Details
01	12/2019	Creation
02	03/2020	“Exploded view” updates
03	07/2021	Update - Electrical diagram + addition of a reference
04	11/2021	Manual divisions