FROMM

Numbers & Drawings Art. code : FS4.1399

Stretch Wrapping machine's
FS31x / FS33x

Version 01/02 Machines
Version 13 List

Website : www.fromm-stretch.com

SPARE-PARTS_FS3xx.V01_02.EN13/a.servisi/ © 09/12

Maintenance Advice:

A = Clean
B = Tighter
C = Check wearing
D = Grease
E = Control

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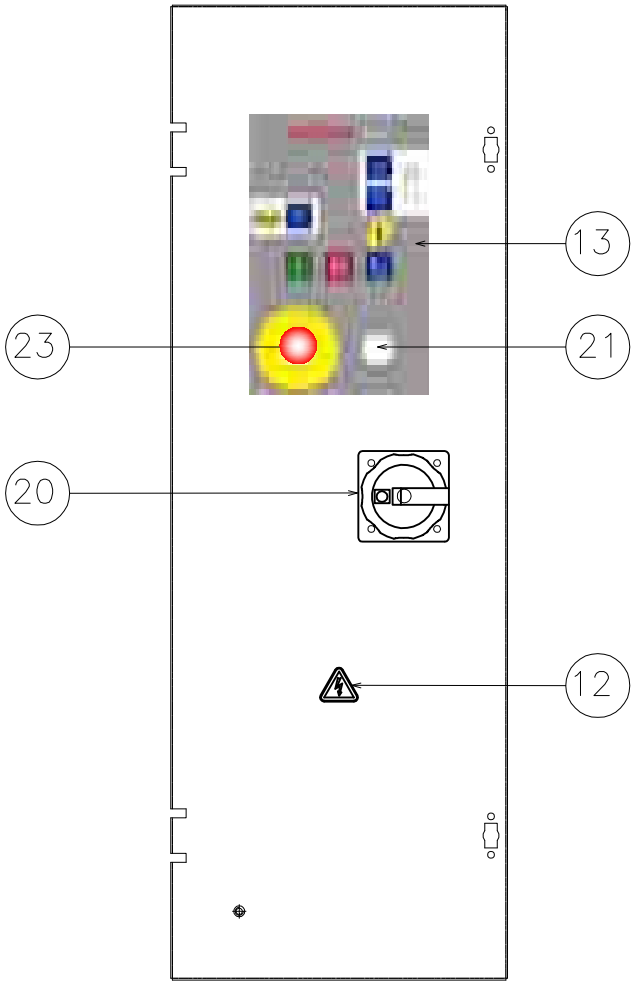
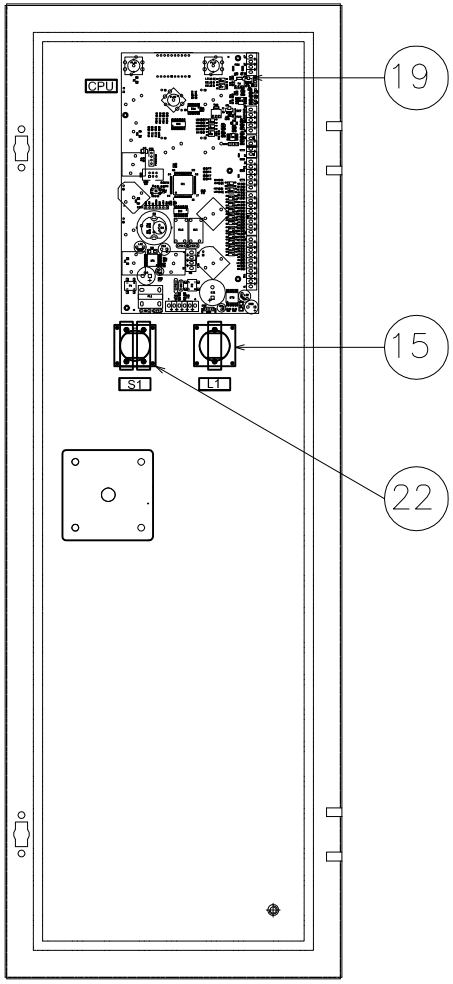
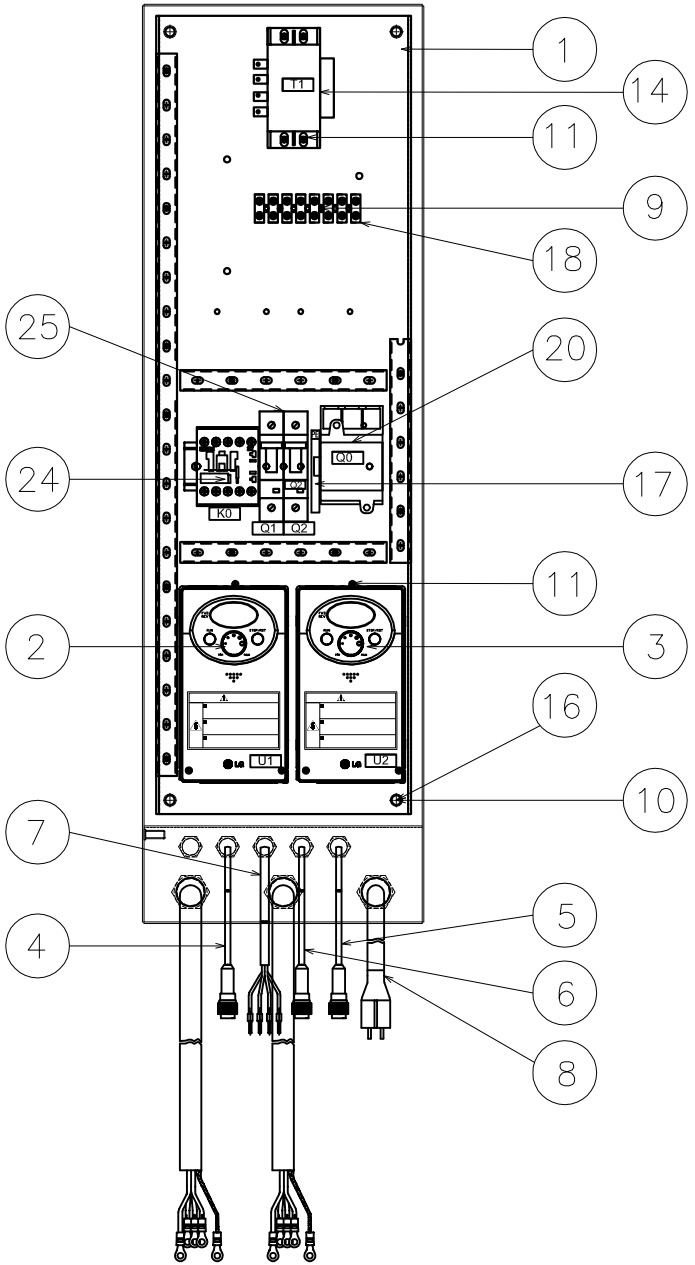
FROMM | WRAPPING SYSTEMS

FS Semi automatic / END-USER PRICES		Group / Gruppo 32.		M	Q	Ø		H	C	V
	Machine code 32.1			32.1	0	0	0 .	0	0	0
Code Pos 1-2-3. SERIES OF MACHINES / SERIE DELLE MACCHINE										
FS Turntable stretchwrappers series 2012			32.1	☑						
Code Pos 4. ELECTRICAL BOX / QUADRO ELECTRICO										
16.8601	OP1 / Quadro 1		1	☐						
16.8602	OP2 / Quadro 2		2	☐						
	Specials FS3xx									
16.8605	OP1 / Quadro 1 for use **MINUS - 25 Degrees**	**FS31x Series**	5	☐						
16.8606	OP2 / Quadro 2 for use **MINUS - 25 Degrees**	**FS33x Series**	6	☐						
Code Pos 5 - 6. TURNTABLE / TAVOLA ROTANTE										
16.8610	1500mm		01	☐						
16.8611	1650mm		02	☐						
16.8612	1800mm (Only in combination with 16.8671)		03	☐						
16.8615	Horse shoe 1650mm right side (Motor group 16.8670)		06	☐						
16.8616	Horse shoe 1650mm front side (Motor group 16.8670)		07	☐						
16.8617	Horse shoe 1650mm left side (Motor group 16.8670)		08	☐						
16.8622	1650mm / 2000KG / Scaleunit / Indicator FS2.1323		22	☐						
Code Pos 7. MAST / ALBERO										
16.8640	Mast 2200mm / 2100mm + 100mm		1	☐						
16.8641	Mast 2500mm / 2400mm + 100mm		2	☐						
16.8642	Mast 2800mm / 2700mm + 100mm		3	☐						
16.8643	Mast 3200mm / 3100mm + 100mm		4	☐						
Code Pos 8. CARRIAGE / CARELLO										
16.8667	Carello 0 - Mechanical film-core tension	OP1/OP2/OP3	0	☐						
16.8660	Carello 1 - Mechanical film-core tension	OP1/OP2/OP3	1	☐						
16.8661	Carello 2 - Mechanical break-roll tension	OP1/OP2/OP3	2	☐						
16.8663	Carello 4 - Magnetical tension	OP1/OP2/OP3	4	☐						
Code Pos 9. VARIOUS / VARIE										
16.8670	Standard motor group		0	☐						
16.8671	Motor group with shock-absorber		1	☐						







16.8601

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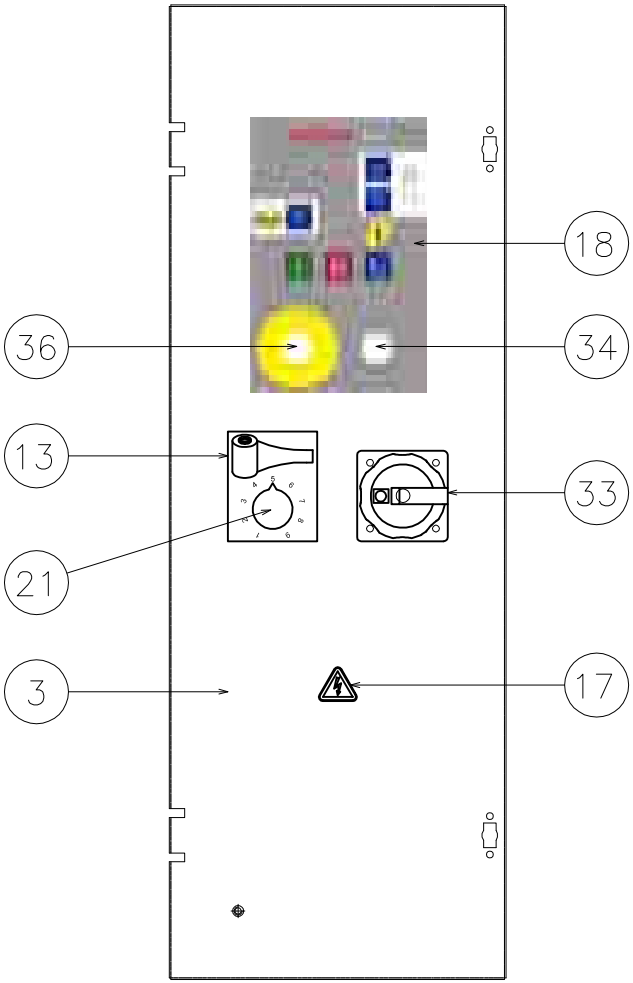
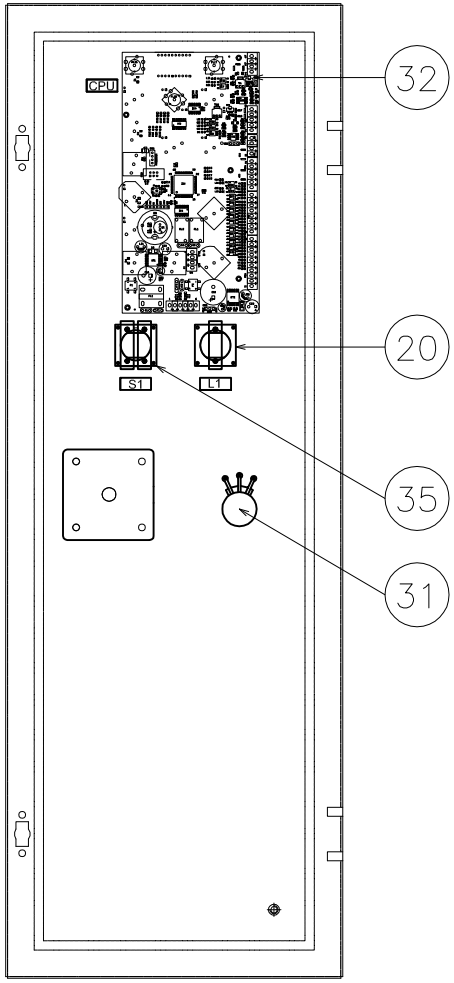
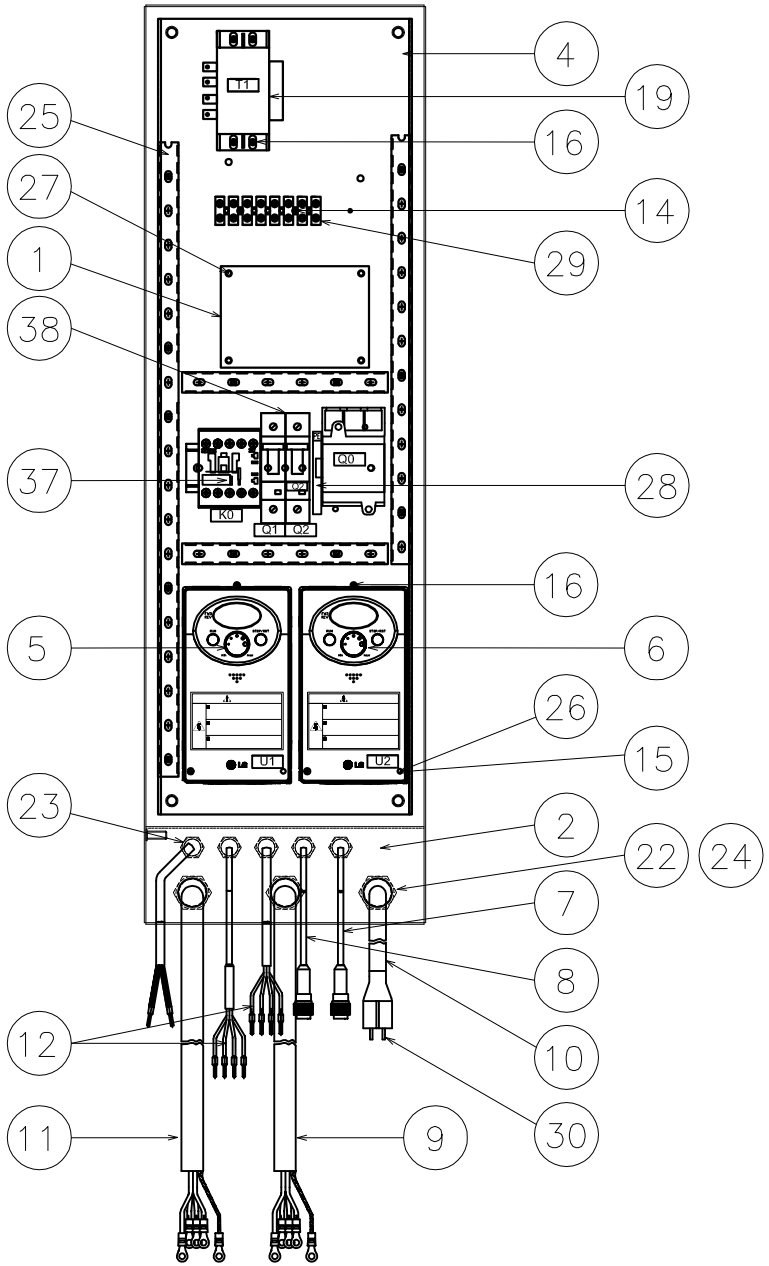
16.8601 Operating Panel OP1 FS3.0210

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2026	1	Plate	OPERATING PANNEL PLATE	1	
FS3.2185	2	Inverter	INVERTER TABLE (OP1)	1	**E**
FS3.2187	3	Inverter	INVERTER CARRIAGE (OP1)	1	**E**
FS3.2189	4	Wire	TURNTABLE PROXIMITY CABLE	1	
FS3.2190	5	Wire	CABLE CARRIAGE LIMIT SWITCH UP	1	
FS3.2191	6	Wire	CABLE CARRIAGE LIMIT SWITCH DOWN	1	
FS3.2192	7	Wire	4-WIRE CABLE CARRIAGE FS300	1	
FS3.2197	8	Wire	POWER SUPPLY CABLE	1	
N1.1714	9	Screw	CYLINDRICAL HEAD CAP SCREW 2.9x16 ZN DIN 7981	2	
N1.1918	10	Screw	PHILIPS HEAD SCREW M4x12 ZINCED DIN 7985	2	
N1.7333	11	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	8	
N4.9192	12	Label	TENSION LABEL 51mm	1	**E**
N43.9161	13	Label	LABEL PANEL BUDGET (OP1)	1	**C**
N5.1463	14	Transformator	TRANSFORMATOR	1	
N5.2250	15	Switch	SWITCH	1	
N5.3811	16	Distance	DISTANCE PIECE M4	2	
N5.6115	17	Terminal	EARTH TERMINAL	1	
N5.6701	18	Clamp	CLAMP 12 POLES 1.5MM	1	
N51.7140	19	Panel	FS300 OPERATIVE PANEL BUDGET	1	
N52.2249	20	Switch	BLOCK DOOR SWITCH	1	
N52.2250	21	Indicato light	INDICATOR LIGHT WITH SMOOTH LENS WHITE	1	**E**
N52.2251	22	Contact	AUXILIARY CONTACT	2	
N52.2252	23	Emergency-stop	EMERGENCY-STOP MUSHROOM	1	**E**
N52.5217	24	Contactor	POWER CONTACTOR	1	
N52.5218	25	Switch	THERMAL OVERCURRENT CIRCUIT BREAKERS	2	**E**







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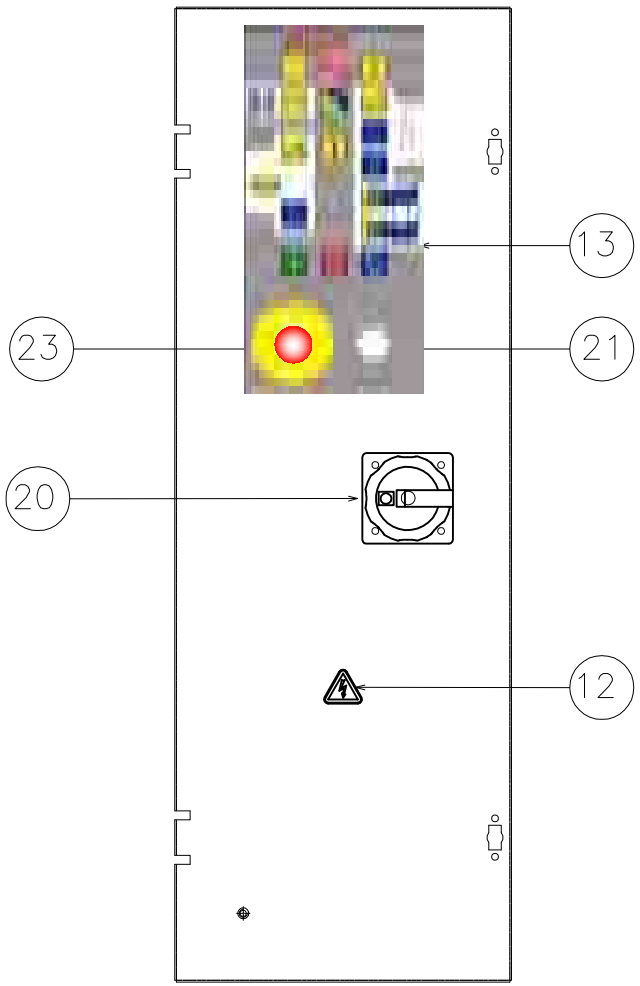
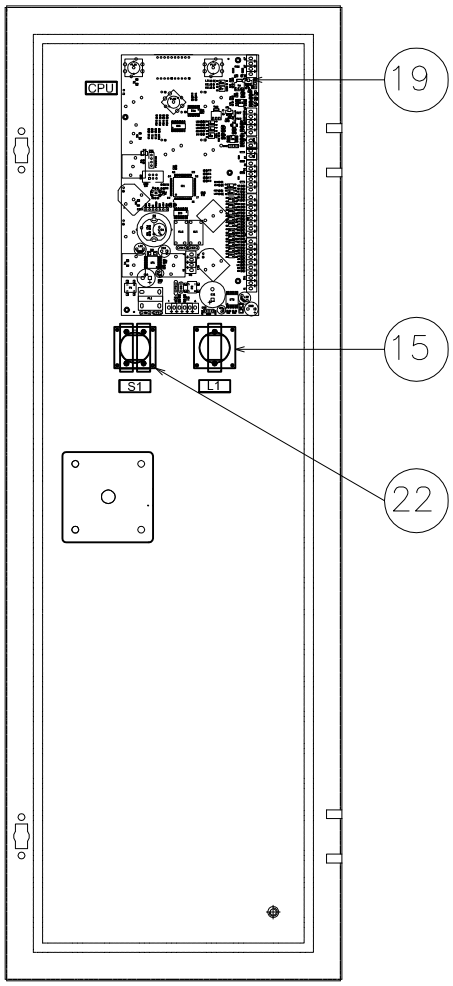
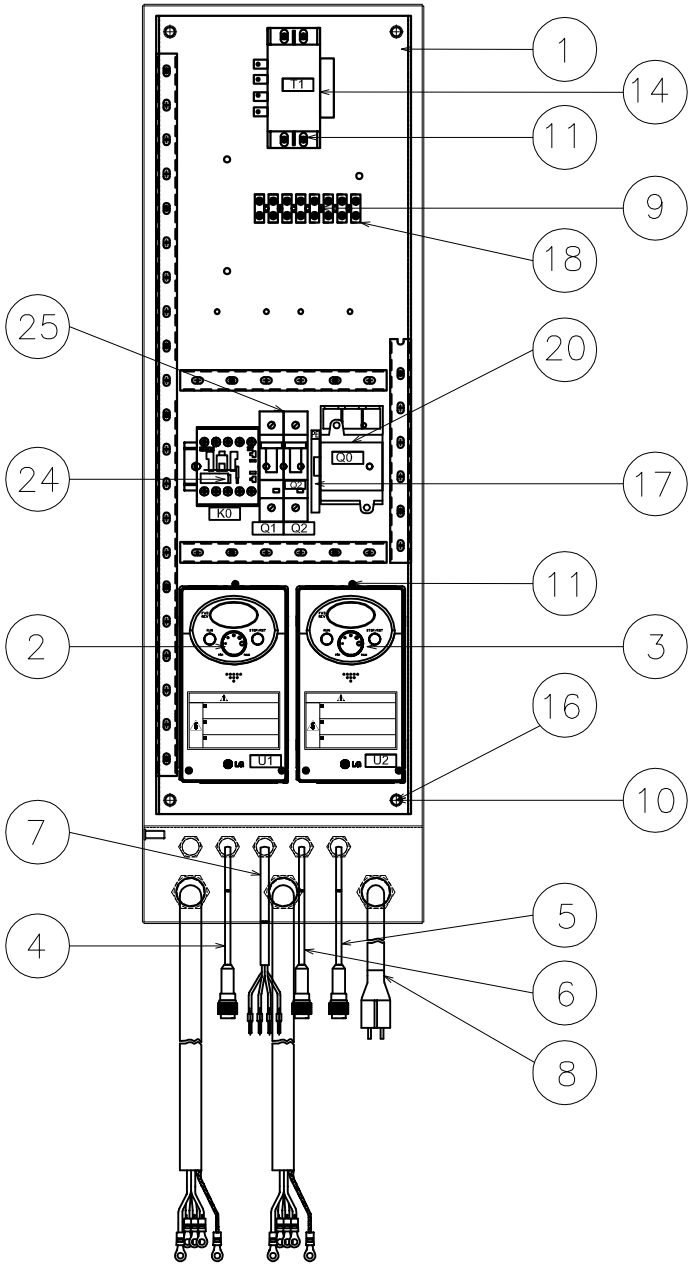
16.8601.C4 Operating Panel OP1 FS3.0230

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FR3.1103	1	Power supply	POWER SUPPLY	1	**E**
FS3.2023	2	Box	ELECTRICAL BOZ	1	
FS3.2025	3	Door	DOOR OP1	1	
FS3.2026	4	Plate	OPERATING PANNEL PLATE	1	
FS3.2442	5	Inverter	INVERTER TABLE (OP1) CARRIAGE 4	1	**E**
FS3.2187	6	Inverter	INVERTER CARRIAGE (OP1)	1	**E**
FS3.2190	7	Wire	CABLE CARRIAGE LIMIT SWITCH UP	1	
FS3.2191	8	Wire	CABLE CARRIAGE LIMIT SWITCH DOWN	1	
FS3.2195	9	Wire	MOTOR-CARRIAGE CABLE		
FS3.2197	10	Wire	POWER SUPPLY CABLE	1	
FS3.2198	11	Wire	TURNTABLE CABLE	1	
FS3.2435	12	Wire	CABLE ELECTRICAL BOX-CARRIAGE	2	
FS3.2436	13	Label	LABEL FOR CARRIAGE 4	1	**C**
N1.1714	14	Screw	CYLINDRICAL HEAD CAP SCREW 2.9x16 ZN DIN 7981	2	
N1.1918	15	Screw	PHILIPS HEAD SCREW M4x12 ZINCED DIN 7985	2	
N1.7333	16	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	8	
N4.9192	17	Label	TENSION LABEL 51mm	1	**E**
N43.9161	18	Label	LABEL PANEL BUDGET (OP1)	1	**C**
N5.1463	19	Transformator	TRANSFORMATOR	1	
N5.2250	20	Switch	SWITCH	1	
N5.2712	21	Handle	HANDLE	1	
N5.3341	22	Lock nut	LOCK NUT M20 GREY COLOR RAL 7035	3	
N5.3351	23	Gland	GLAND M12 GREY COLOR	5	
N5.3352	24	Gland	GLAND M20 D.6-12 MM GREY COLOR	3	
N5.3756	25	Wiring raceway	WIRING RACEWAY	1.10 MT	
N5.3811	26	Distance piece	DISTANCE PIECE M4 L=50MM	2	
N5.3823	27	Distance piece	DISTANCE PIECE	4	
N5.6115	28	Earth terminal	EARTH TERMINAL WPE 4mm	1	
N5.6701	29	Clamp	CLAMP 12 POLES 1.5MM	1	
N51.2120	30	Plug	PLUG 10/16A	1	
N51.5448	31	Potenziometer	POTENZIOMETER 4K7	1	**E**
N51.7140	32	Panel	FS300 OPERATIVE PANEL BUDGET	1	
N52.2249	33	Switch	BLOCK DOOR SWITCH	1	
N52.2250	34	Indicato light	INDICATOR LIGHT WITH SMOOTH LENS WHITE	1	**E**
N52.2251	35	Contact	AUXILIARY CONTACT	2	
N52.2252	36	Emergency-stop	EMERGENCY-STOP MUSHROOM	1	**E**
N52.5217	37	Contactor	POWER CONTACTOR	1	
N52.5218	38	Switch	THERMAL OVERCURRENT CIRCUIT BREAKERS	2	**E**







16.8602

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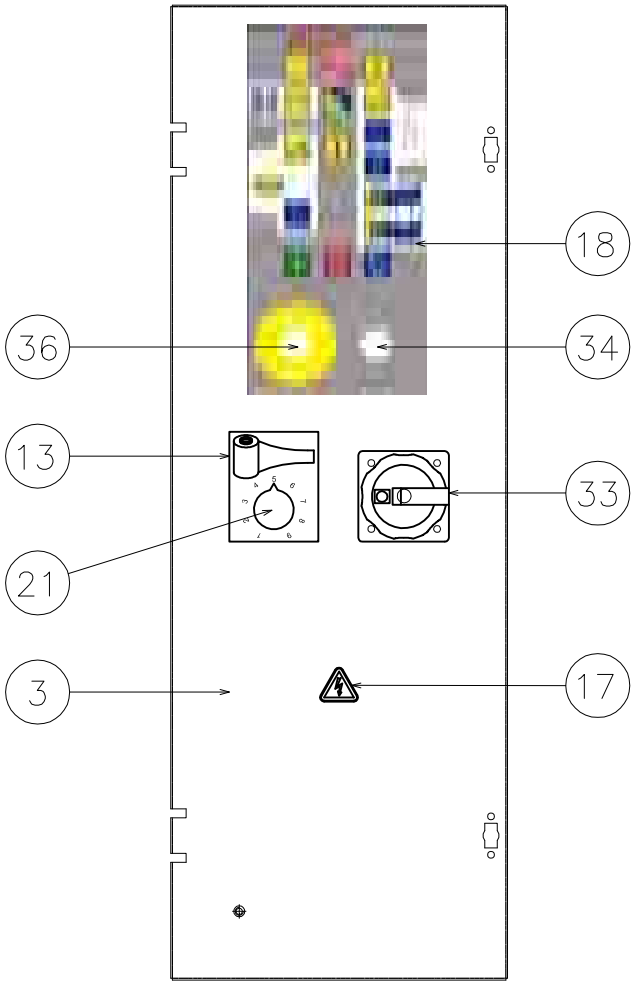
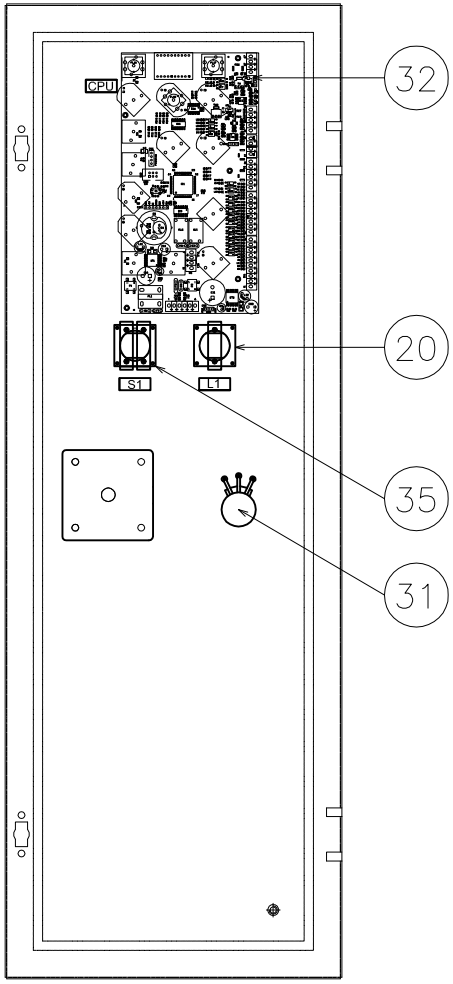
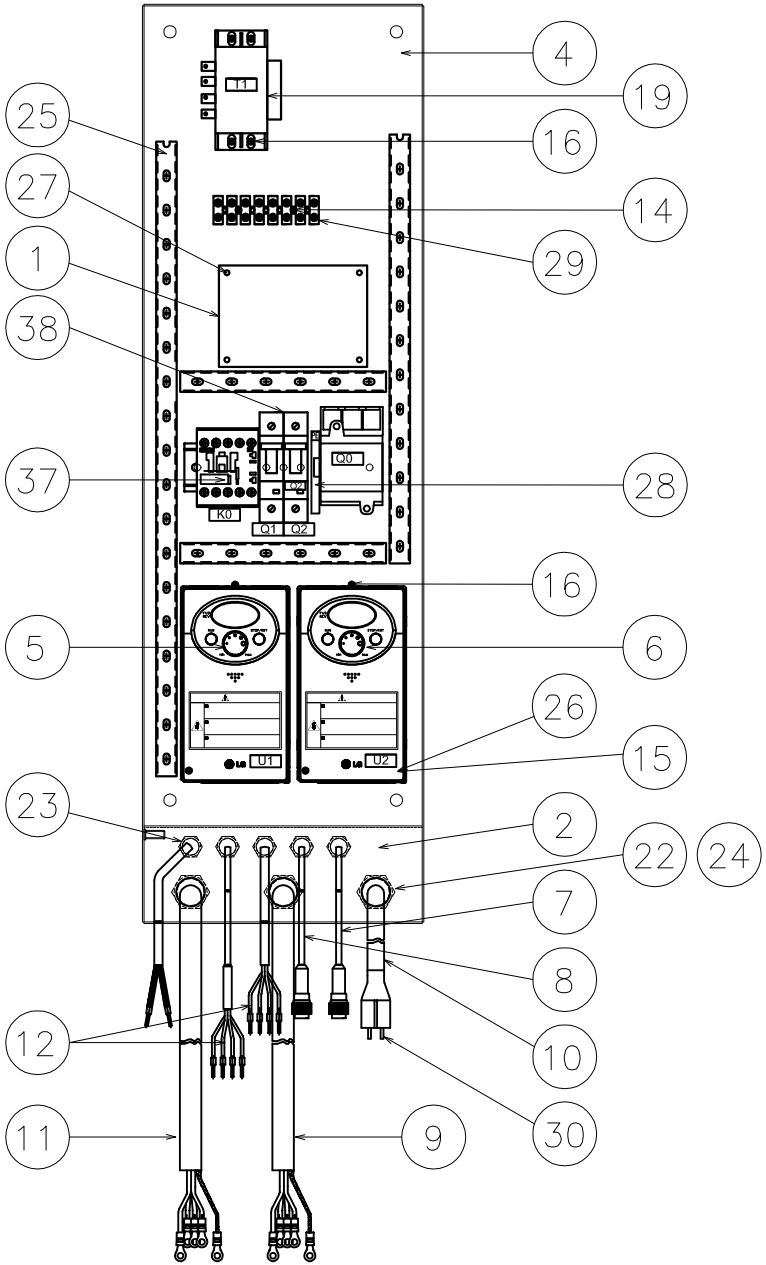
16.8602 Operating Panel OP2 FS3.0211

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2026	1	Plate	OPERATING PANNEL PLATE	1	
FS3.2186	2	Inverter	INVERTER TABLE (OP2)	1	**E**
FS3.2188	3	Inverter	INVERTER CARRIAGE (OP2)	1	**E**
FS3.2189	4	Wire	TURNTABLE PROXIMITY CABLE	1	
FS3.2190	5	Wire	CABLE CARRIAGE LIMIT SWITCH UP	1	
FS3.2191	6	Wire	CABLE CARRIAGE LIMIT SWITCH DOWN	1	
FS3.2192	7	Wire	4-WIRE CABLE CARRIAGE FS300	1	
FS3.2197	8	Wire	POWER SUPPLY CABLE	1	
N1.1714	9	Screw	CYLINDRICAL HEAD CAP SCREW 2.9x16 ZN DIN 7981	2	
N1.1918	10	Screw	PHILIPS HEAD SCREW M4x12 ZINCED DIN 7985	2	
N1.7333	11	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	8	
N4.9192	12	Label	TENSION LABEL 51mm	1	**E**
N43.9160	13	Label	LABEL PANEL BUDGET PLUS (OP2)	1	**C**
N5.1463	14	Transformator	TRANSFORMATOR	1	
N5.2250	15	Switch	SWITCH	1	
N5.3811	16	Distance	DISTANCE PIECE M4	2	
N5.6115	17	Terminal	EARTH TERMINAL	1	
N5.6701	18	Clamp	CLAMP 12 POLES 1.5MM	1	
N51.7141	19	Panel	FS300 OPERATIVE PANEL BUDGET PLUS	1	
N52.2249	20	Switch	BLOCK DOOR SWITCH	1	
N52.2250	21	Indicato light	INDICATOR LIGHT WITH SMOOTH LENS WHITE	1	**E**
N52.2251	22	Contact	AUXILIARY CONTACT	2	
N52.2252	23	Emergency-stop	EMERGENCY-STOP MUSHROOM	1	**E**
N52.5217	24	Contactor	POWER CONTACTOR	1	
N52.5218	25	Switch	THERMAL OVERCURRENT CIRCUIT BREAKERS	2	**E**







16.8602.C4.V01.01

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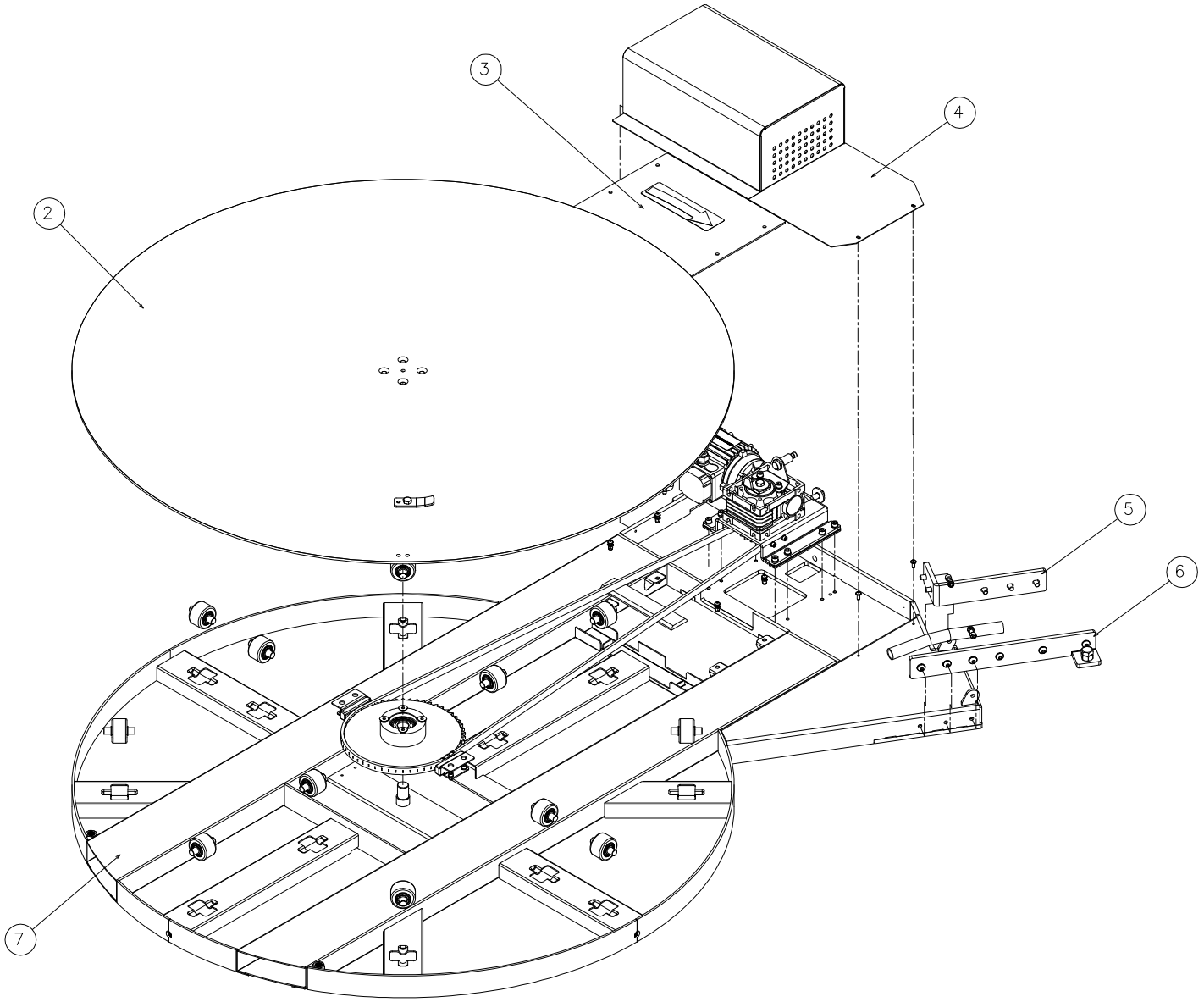
16.8602.C4 Operating Panel OP2 FS3.0231

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FR3.1103	1	Power supply	POWER SUPPLY	1	**E**
FS3.2023	2	Box	ELECTRICAL BOZ	1	
FS3.2024	3	Door	DOOR OP2	1	
FS3.2026	4	Plate	OPERATING PANNEL PLATE	1	
FS3.2444	5	Inverter	INVERTER TABLE (OP2) CARRIAGE 4	1	**E**
FS3.2188	6	Inverter	INVERTER CARRIAGE (OP2)	1	**E**
FS3.2190	7	Wire	CABLE CARRIAGE LIMIT SWITCH UP	1	
FS3.2191	8	Wire	CABLE CARRIAGE LIMIT SWITCH DOWN	1	
FS3.2195	9	Wire	MOTOR-CARRIAGE CABLE		
FS3.2197	10	Wire	POWER SUPPLY CABLE	1	
FS3.2198	11	Wire	TURNTABLE CABLE	1	
FS3.2435	12	Wire	CABLE ELECTRICAL BOX-CARRIAGE	2	
FS3.2436	13	Label	LABEL FOR CARRIAGE 4	1	**C**
N1.1714	14	Screw	CYLINDRICAL HEAD CAP SCREW 2.9x16 ZN DIN 7981	2	
N1.1918	15	Screw	PHILIPS HEAD SCREW M4x12 ZINCED DIN 7985	2	
N1.7333	16	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	8	
N4.9192	17	Label	TENSION LABEL 51mm	1	**E**
N43.9160	18	Label	LABEL PANEL BUDGET (OP2)	1	**C**
N5.1463	19	Transformator	TRANSFORMATOR	1	
N5.2250	20	Switch	SWITCH	1	
N5.2712	21	Handle	HANDLE	1	
N5.3341	22	Lock nut	LOCK NUT M20 GREY COLOR RAL 7035	3	
N5.3351	23	Gland	GLAND M12 GREY COLOR	5	
N5.3352	24	Gland	GLAND M20 D.6-12 MM GREY COLOR	3	
N5.3756	25	Wiring raceway	WIRING RACEWAY	1.10 MT	
N5.3811	26	Distance piece	DISTANCE PIECE M4 L=50MM	2	
N5.3823	27	Distance piece	DISTANCE PIECE	4	
N5.6115	28	Earth terminal	EARTH TERMINAL WPE 4mm	1	
N5.6701	29	Clamp	CLAMP 12 POLES 1.5MM	1	
N51.2120	30	Plug	PLUG 10/16A	1	
N51.5448	31	Potenziometer	POTENZIOMETER 4K7	1	**E**
N51.7141	32	Panel	FS300 OPERATIVE PANEL BUDGET PLUS	1	
N52.2249	33	Switch	BLOCK DOOR SWITCH	1	
N52.2250	34	Indicato light	INDICATOR LIGHT WITH SMOOTH LENS WHITE	1	**E**
N52.2251	35	Contact	AUXILIARY CONTACT	2	
N52.2252	36	Emergency-stop	EMERGENCY-STOP MUSHROOM	1	**E**
N52.5217	37	Contactor	POWER CONTACTOR	1	
N52.5218	38	Switch	THERMAL OVERCURRENT CIRCUIT BREAKERS	2	**E**



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16.8610 COMPLETE

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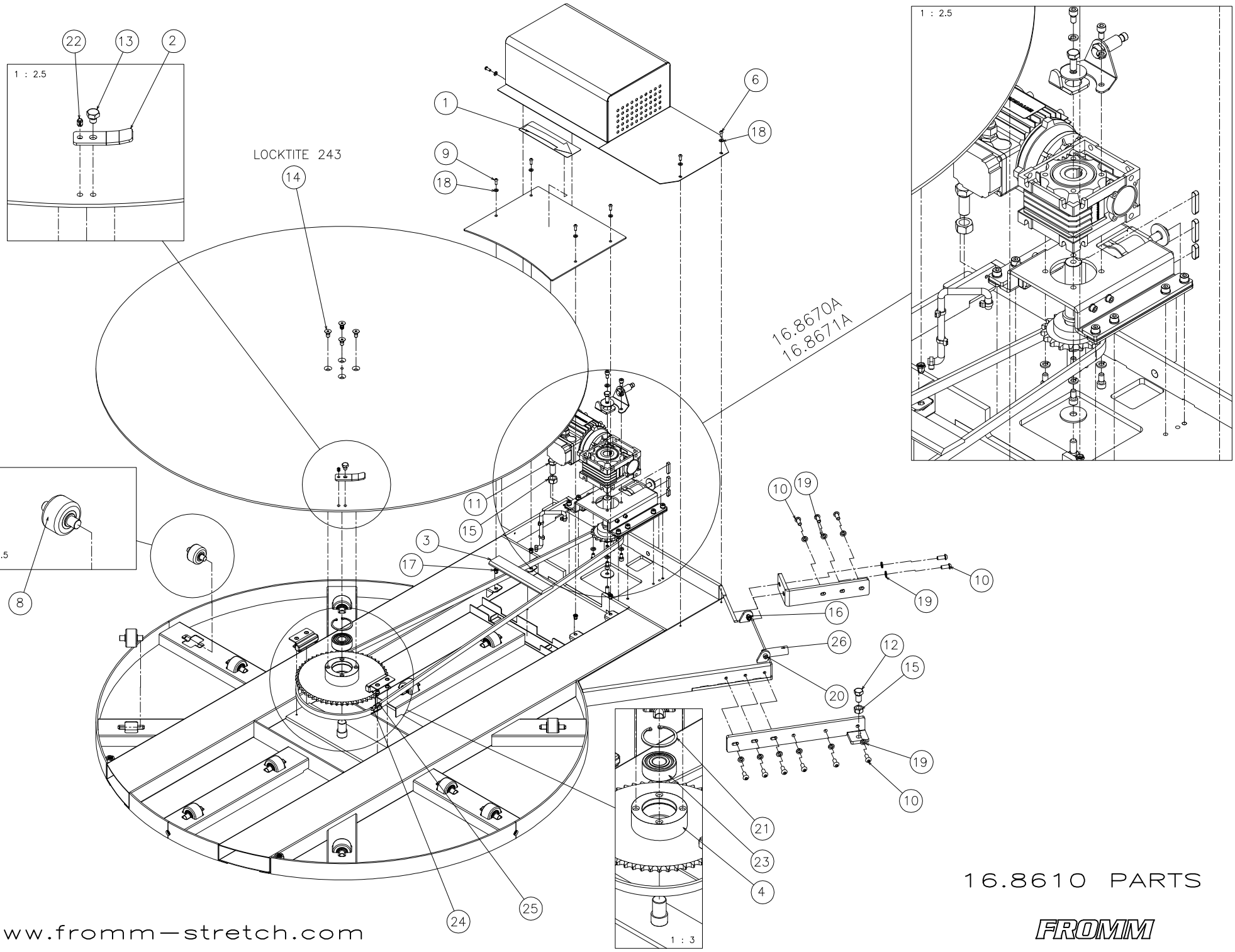
16.8610 Base unit FS3.0203GB COMPLETE Ø1500mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
16.8610		Base unit	BASE UNIT FS3.0208 PARTS Ø1500mm	1	
FS3.2083G	2	Disk	PAINTED DISK D.1500 YELLOW RAL 1021	1	**A**
FS3.2090B	3	Cover	PAINTED CLOSING BASE BLUE RAL 5010	1	**E**
FS3.2091B	4	Carter	PAINTED MOTOR CARTER BLUE RAL 5010	1	**E**
FS3.2131B	5	Angular plate	ANGULAR PLATE COLUMN-BASE BLUE RAL 5010	1	
FS3.2132B	6	Plate	FIXING COLUMN-BASE UNIT BLUE RAL 5010	1	
FS3.2259B	7	Base unit	PAINTED BASE UNIT DIAMETER 1500 BLUE RAL 5010	1	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16.8610 PARTS
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16.8610 Base unit FS3.0208 PARTS Ø1500mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS1.1379	1	Label	LABEL WITH DRAWING OF ARROW	1	**E**
FS1.1383	2	Plate	PLATE FOLDED FIXED ON THE TURNTABLE	1	
FS3.2098	3	Polizene	POLIZENE BETWEEN CHAIN AND BASE UNIT	1	**C**
FS3.2099	4	Gear	GEAR 5/8"x3/8" Z=54	1	
FS3.2342	5	Label	FALL DANGER LABEL	1	**E**
FS3.2343	6	Label	CRUSHING DANGER LABEL	1	**E**
FS3.2344	7	Label	FORKLIFT TRUCK LABEL	1	**E**
FS4.1017	8	Roller	ROLL (VALID UNTIL 31.12.2011)	12	**A-C-D**
FS4.0168	8	Roller	ROLL (VALID FROM 01.01.2012)	12	**A-C-D**
N1.1220	9	Screw	BUTTON HEAD SCREW ISO 7380 - M6 x 16	8	
N1.1228	10	Bolt	BUTTON HEAD BOLT M10x25 ZINCED UNI 7380	11	**B**
N1.1408	11	Bolt	HEXAGON HEAD BOLT M16x40 ZINCED UNI 5739	1	
N1.1552	12	Bolt	HEXAGON HEAD BOLT M16x30 ZINCED UNI 5739	1	
N1.1591	13	Bolt	HEXAGONAL HEAD BOLT M10x12 ZINCED UNI 5739	1	
N1.2183	14	Bolt	SOCKET CTRS. HD BOLT DIN 7991-A- M10 x 20	4	**B**
N1.5109	15	Nut	NUT M16 ZINCED UNI 5588	2	
N1.5305	16	Nut	PREVAILING HEXAGON TORQUE / NON MET. INS. M8	2	
N1.5936	17	Rivet	HEXAGON RIVET HEAD M6 L=16	4	
N1.6163	18	Washer	PLAIN WASHER M6 DIN 125	8	
N1.6410	19	Washer	PLAN WASHER M10 ZINCED UNI 8842	11	
N11.1173	20	Bolt	CYLINDRICAL HEAD CAP BOLT M8x25 ZN UNI 5931	2	**B**
N2.1223	21	Seeger	SEEGER D.62 TYPE "J" UNI 3654/7437	1	
N2.2455	22	Thorn	ELASTIC THORN 8x10 UNI 6873/71	1	
N31.1143	23	Ball bearing	BALL BEARING 62305 2RS1 25x62x24	1	**A-D**
N4.7360	24	Chain	CHAIN 5/8"X3/8" 179 LINKS	1	**B-D**
N4.7415	25	Link	LINK 5/8"X3/8"	1	
FS4.1248	26	Sheath	SHEATH PVC GREY	1	

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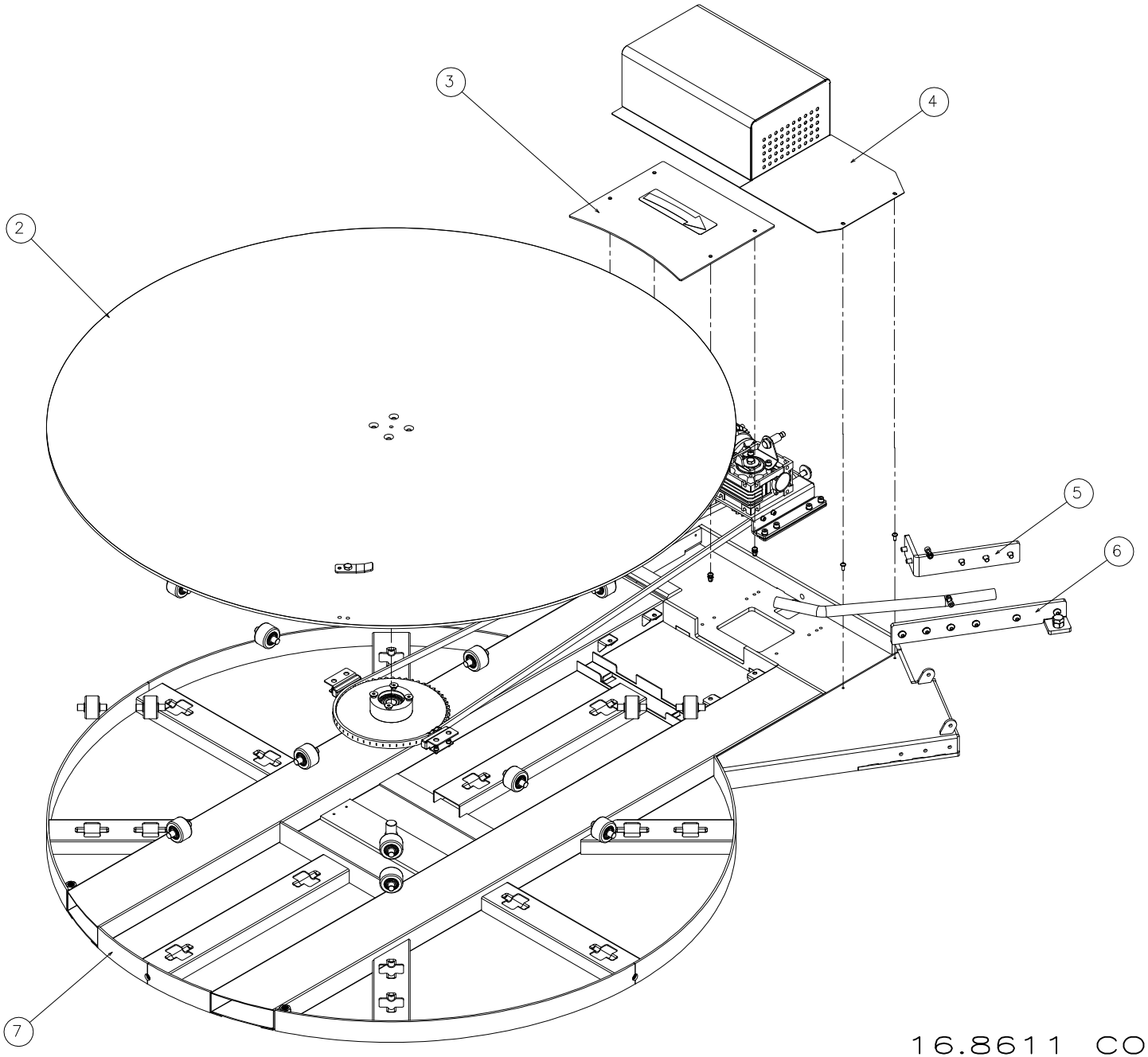
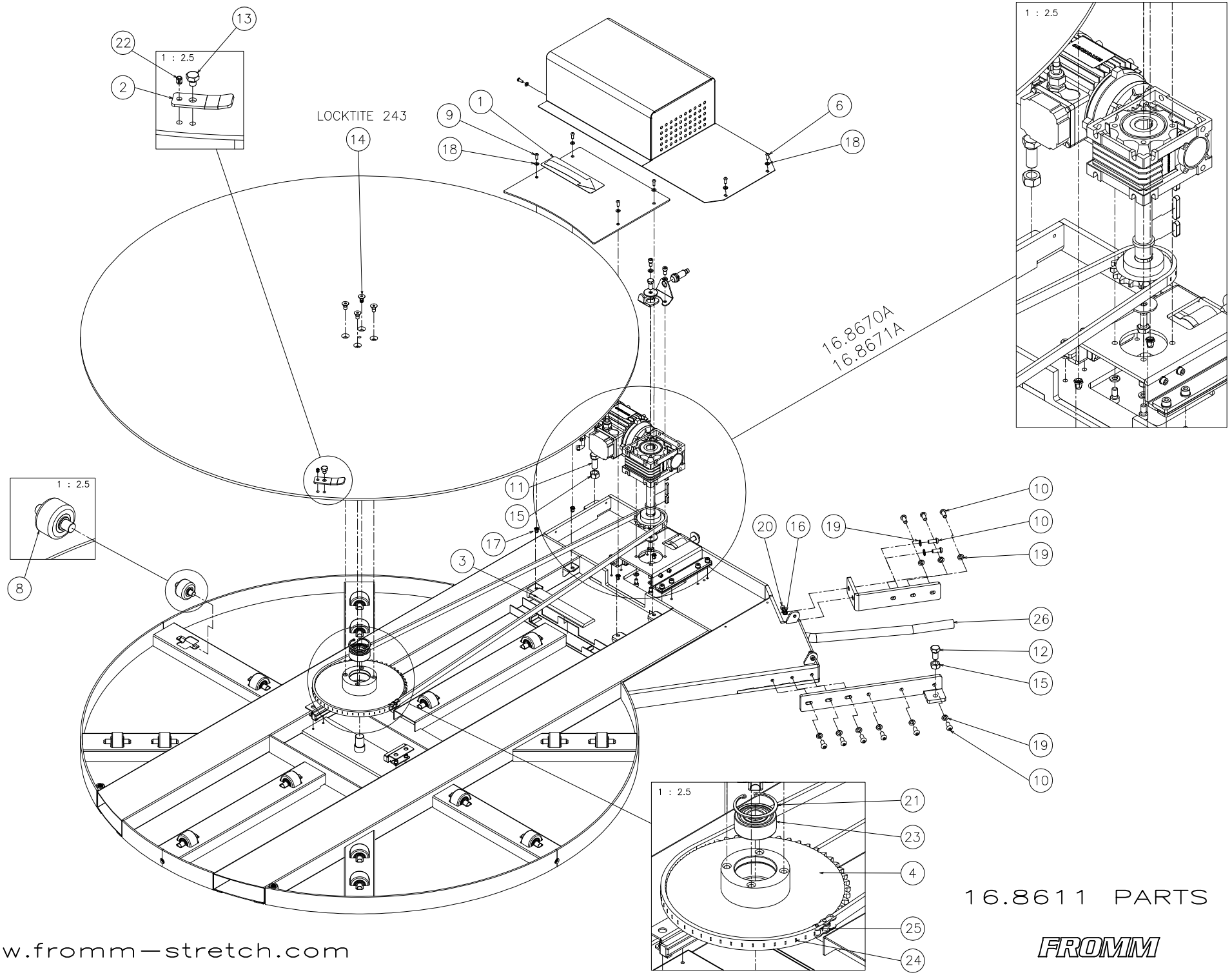


16.8611 COMPLETE

16.8611 Base unit FS3.0204GB COMPLETE Ø1650mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
16.8611		Base unit	BASE UNIT FS3.0216 PARTS Ø1650mm	1	
FS3.2144G	2	Disk	PAINTED DISK D.1650 YELLOW RAL 1021	1	**A**
FS3.2090B	3	Cover	PAINTED CLOSING BASE BLUE RAL 5010	1	**E**
FS3.2091B	4	Cover	PAINTED MOTOR CASING BLUE RAL 5010	1	**E**
FS3.2131B	5	Angular plate	ANGULAR PLATE COLUMN-BASE BLUE RAL 5010	1	**E**
FS3.2132B	6	Plate	FIXING COLUMN-BASE UNIT BLUE RAL 5010	1	**E**
FS3.2260B	7	Base unit	PAINTED BASE UNIT DIAMETER 1650 BLUE RAL 5010	1	



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16.8611 PARTS

FROMM

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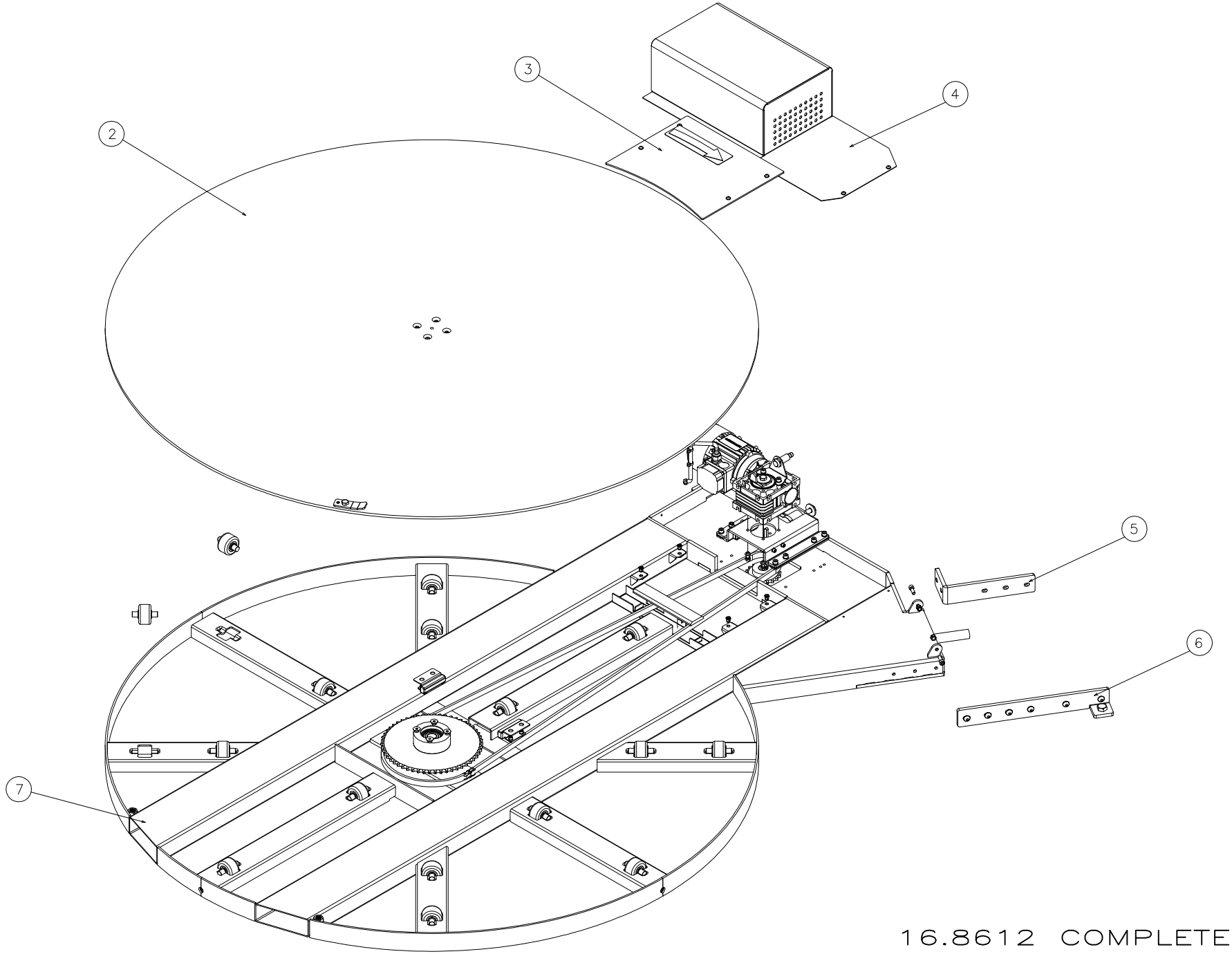
16.8611 Base unit FS3.0216 PARTS Ø1650mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS1.1379	1	Label	LABEL WITH DRAWING OF ARROW	1	**E**
FS1.1383	2	Plate	PLATE FOLDED FIXED ON THE TURNTABLE	1	
FS3.2098	3	Polizene	POLIZENE BETWEEN CHAIN AND BASE UNIT	1	**C**
FS3.2099	4	Gear	GEAR 5/8"x3/8" Z=54	1	
FS3.2342	5	Label	FALL DANGER LABEL	1	**E**
FS3.2343	6	Label	CRUSHING DANGER LABEL	1	**E**
FS3.2344	7	Label	FORKLIFT TRUCK LABEL	1	**E**
FS4.1017	8	Roller	ROLL (VALID UNTIL 31.12.2011)	16	**A-C-D**
FS4.0168	8	Roller	ROLL (VALID FROM 01.01.2012)	16	**A-C-D**
N1.1220	9	Screw	BUTTON HEAD SCREW ISO 7380 - M6 x 16	8	
N1.1228	10	Bolt	BUTTON HEAD BOLT M10x25 ZINCED UNI 7380	11	**B**
N1.1408	11	Bolt	HEXAGON HEAD BOLT M16x40 ZINCED UNI 5739	1	
N1.1552	12	Bolt	HEXAGON HEAD BOLT M16x30 ZINCED UNI 5739	1	
N1.1591	13	Bolt	HEXAGONAL HEAD BOLT M10x12 ZINCED UNI 5739	1	
N1.2183	14	Bolt	SOCKET CTRS. HD BOLT DIN 7991-A- M10 x 20	4	**B**
N1.5109	15	Nut	NUT M16 ZINCED UNI 5588	2	
N1.5305	16	Nut	PREVAILING HEXAGON TORQUE / NON MET. INS. M8	2	
N1.5936	17	Rivet	HEXAGON RIVET HEAD M6 L=16	4	
N1.6163	18	Washer	PLAIN WASHER M6 DIN 125	8	
N1.6410	19	Washer	PLAN WASHER M10 ZINCED UNI 8842	11	
N11.1173	20	Bolt	CYLINDRICAL HEAD CAP BOLT M8x25 ZN UNI 5931	2	**B**
N2.1223	21	Seeger	SEEGER D.62 TYPE "J" UNI 3654/7437	1	
N2.2455	22	Thorn	ELASTIC THORN 8x10 UNI 6873/71	1	
N31.1143	23	Ball bearing	BALL BEARING 62305 2RS1 25x62x24	1	**A-D**
N4.7361	24	Chain	CHAIN 5/8"X3/8" 189 LINKS	1	**B-D**
N4.7415	25	Link	LINK 5/8"X3/8"	1	
FS4.1248	26	Sheath	SHEATH PVC GREY	1	



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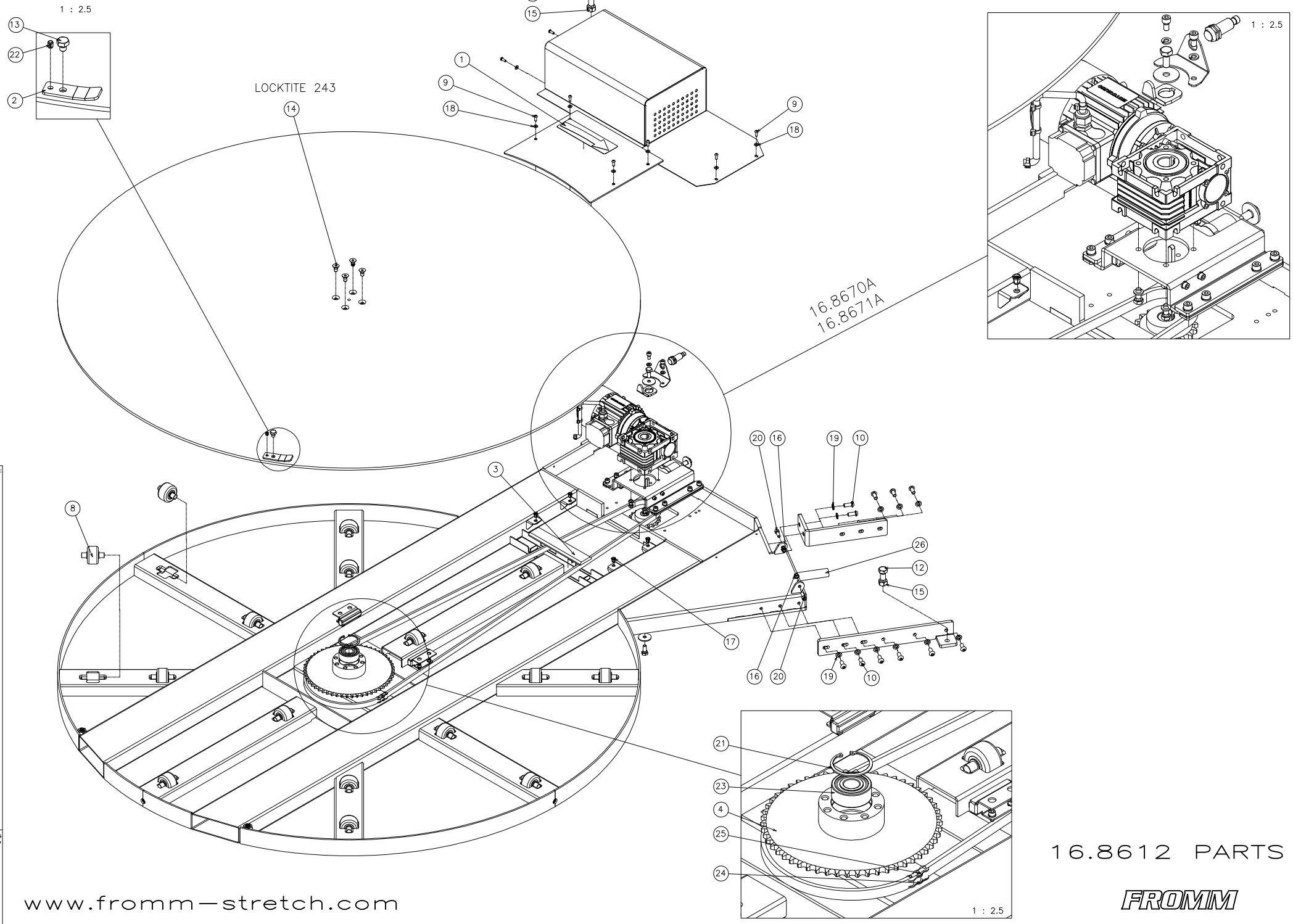
16.8612 COMPLETE

16.8612 Base unit FS3.0218GB COMPLETE Ø1800mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
16.8612		Base unit	BASE UNIT FS3.0220 PARTS Ø1800mm	1	
FS3.2269G	2	Disk	PAINTED DISK D.1800 YELLOW RAL 1021	1	**A**
FS3.2090B	3	Cover	PAINTED CLOSING BASE BLUE RAL 5010	1	**E**
FS3.2091B	4	Cover	PAINTED MOTOR CASING BLUE RAL 5010	1	**E**
FS3.2131B	5	Angular plate	ANGULAR PLATE COLUMN-BASE BLUE RAL 5010	1	**E**
FS3.2132B	6	Plate	FIXING COLUMN-BASE UNIT BLUE RAL 5010	1	**E**
FS3.2257B	7	Base unit	PAINTED BASE UNIT DIAMETER 1800 BLUE RAL 5010	1	



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16.8612 PARTS

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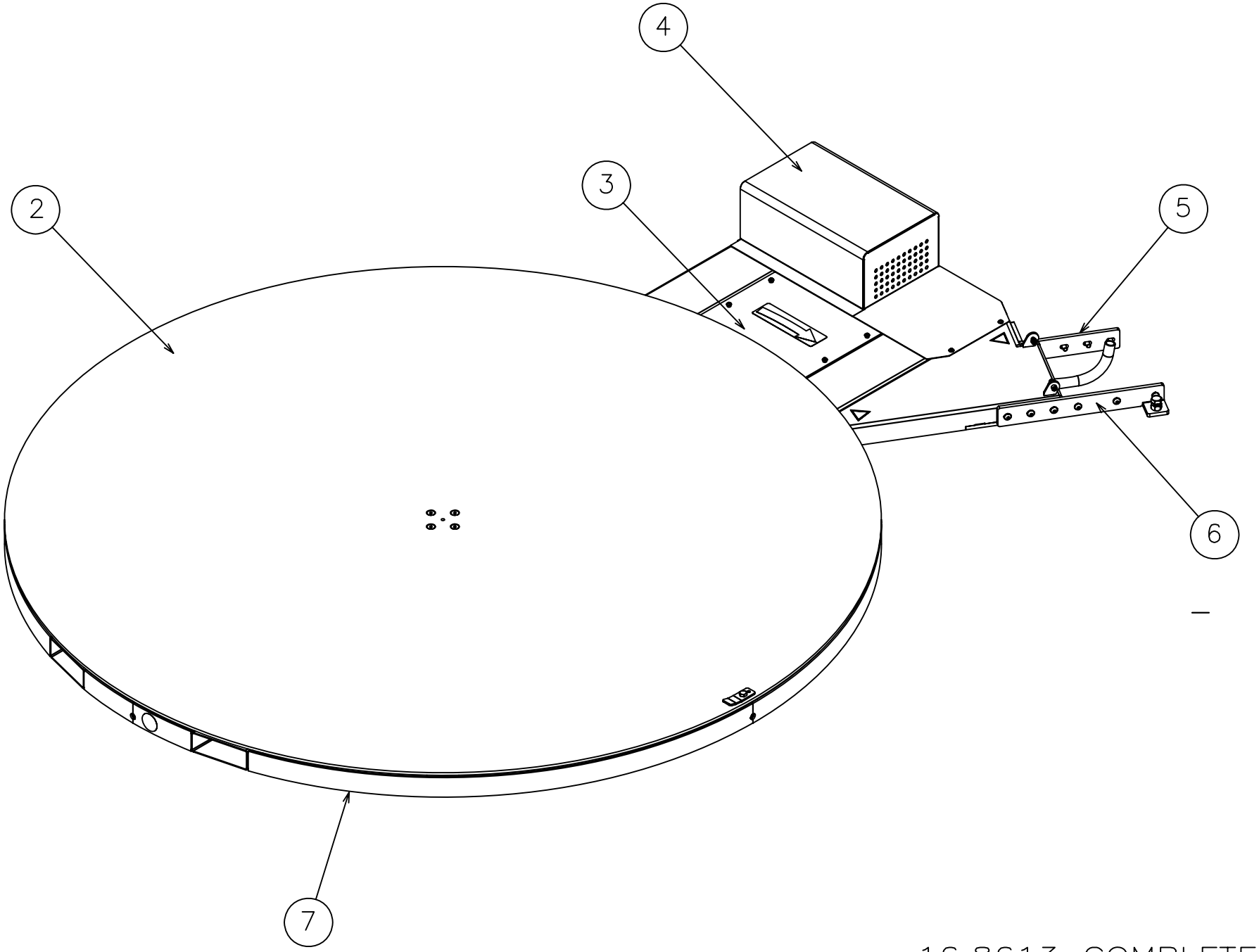
16.8612 Base unit FS3.0220 PARTS Ø1800mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS1.1379	1	Label	LABEL WITH DRAWING OF ARROW	1	**E**
FS1.1383	2	Plate	PLATE FOLDED FIXED ON THE TURNTABLE	1	
FS3.2098	3	Polizene	POLIZENE BETWEEN CHAIN AND BASE UNIT	1	**C**
FS3.2099	4	Gear	GEAR 5/8"x3/8" Z=54	1	
FS3.2342	5	Label	FALL DANGER LABEL	1	**E**
FS3.2343	6	Label	CRUSHING DANGER LABEL	1	**E**
FS3.2344	7	Label	FORKLIFT TRUCK LABEL	1	**E**
FS4.1017	8	Roller	ROLL (VALID UNTIL 31.12.2011)	16	**A-C-D**
FS4.0168	8	Roller	ROLL (VALID FROM 01.01.2012)	16	**A-C-D**
N1.1220	9	Screw	BUTTON HEAD SCREW ISO 7380 - M6 x 16	8	
N1.1228	10	Bolt	BUTTON HEAD BOLT M10x25 ZINCED UNI 7380	11	**B**
N1.1408	11	Bolt	HEXAGON HEAD BOLT M16x40 ZINCED UNI 5739	1	
N1.1552	12	Bolt	HEXAGON HEAD BOLT M16x30 ZINCED UNI 5739	1	
N1.1591	13	Bolt	HEXAGONAL HEAD BOLT M10x12 ZINCED UNI 5739	1	
N1.2183	14	Bolt	SOCKET CTRS. HD BOLT DIN 7991-A- M10 x 20	4	**B**
N1.5109	15	Nut	NUT M16 ZINCED UNI 5588	2	
N1.5305	16	Nut	PREVAILING HEXAGON TORQUE / NON MET. INS. M8	2	
N1.5936	17	Rivet	HEXAGON RIVET HEAD M6 L=16	4	
N1.6163	18	Washer	PLAIN WASHER M6 DIN 125	8	
N1.6410	19	Washer	PLAN WASHER M10 ZINCED UNI 8842	11	
N11.1173	20	Bolt	CYLINDRICAL HEAD CAP BOLT M8x25 ZN UNI 5931	2	**B**
N2.1223	21	Seeger	SEEGER D.62 TYPE "J" UNI 3654/7437	1	
N2.2455	22	Thorn	ELASTIC THORN 8x10 UNI 6873/71	1	
N31.1143	23	Ball bearing	BALL BEARING 62305 2RS1 25x62x24	1	**A-D**
N4.7363	24	Chain	CHAIN 5/8"X3/8" 199 LINKS	1	**B-D**
N4.7415	25	Link	LINK 5/8"X3/8"	1	
FS4.1248	26	Sheath	SHEATH PVC GREY	1	



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16.8613 COMPLETE

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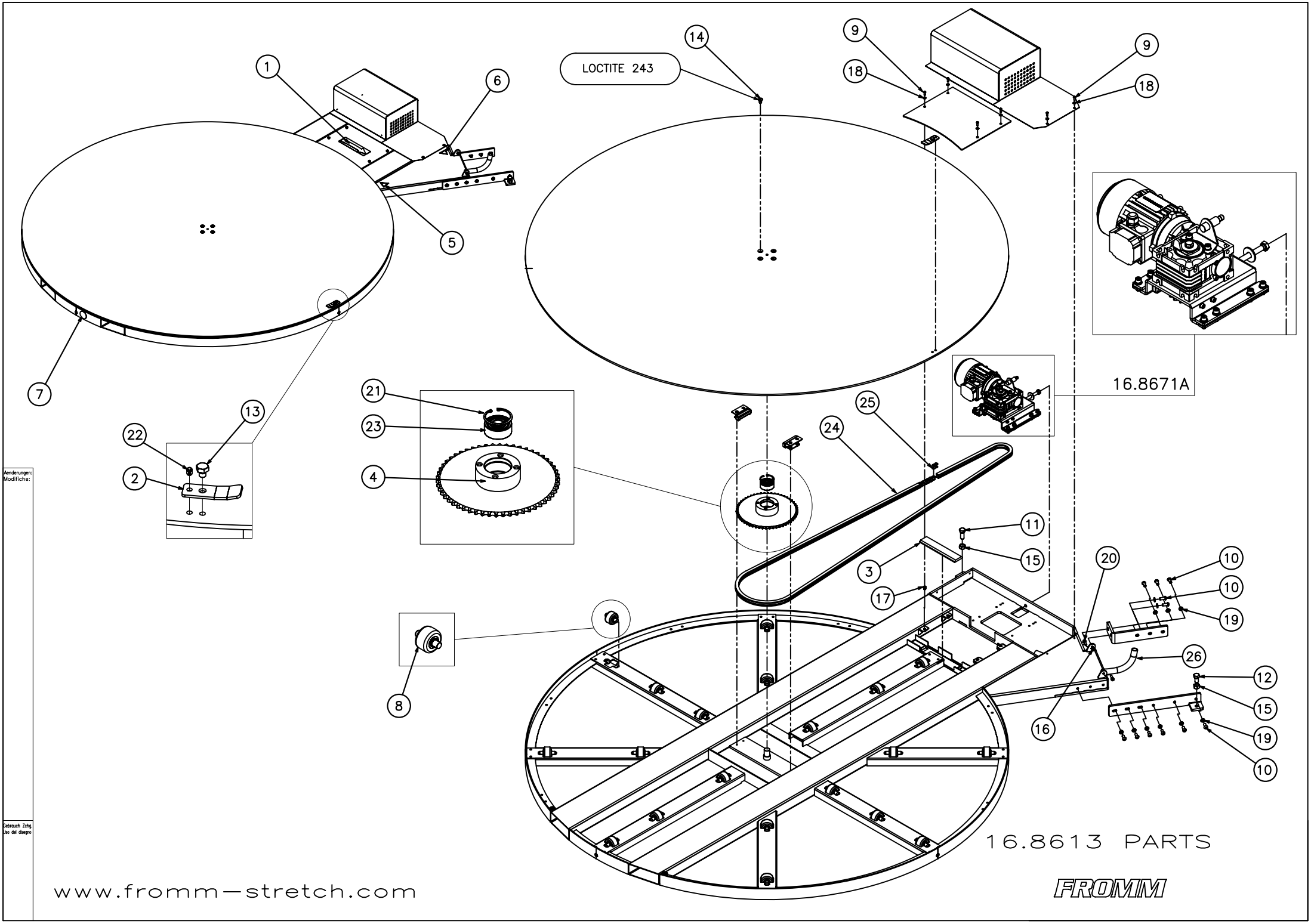
16.8613 Base unit FS3.0259GB COMPLETE Ø2200mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
16.8613		Base unit	BASE UNIT FS3.0259 PARTS Ø2200mm	1	
FS3.2586G	2	Disk	PAINTED DISK D.2200 YELLOW RAL 1021	1	**A**
FS3.2090B	3	Cover	PAINTED CLOSING BASE BLUE RAL 5010	1	**E**
FS3.2091B	4	Cover	PAINTED MOTOR CASING BLUE RAL 5010	1	**E**
FS3.2131B	5	Angular plate	ANGULAR PLATE COLUMN-BASE BLUE RAL 5010	1	**E**
FS3.2132B	6	Plate	FIXING COLUMN-BASE UNIT BLUE RAL 5010	1	**E**
FS3.2575B	7	Base unit	PAINTED BASE UNIT DIAMETER 2200 BLUE RAL 5010	1	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16.8613 PARTS
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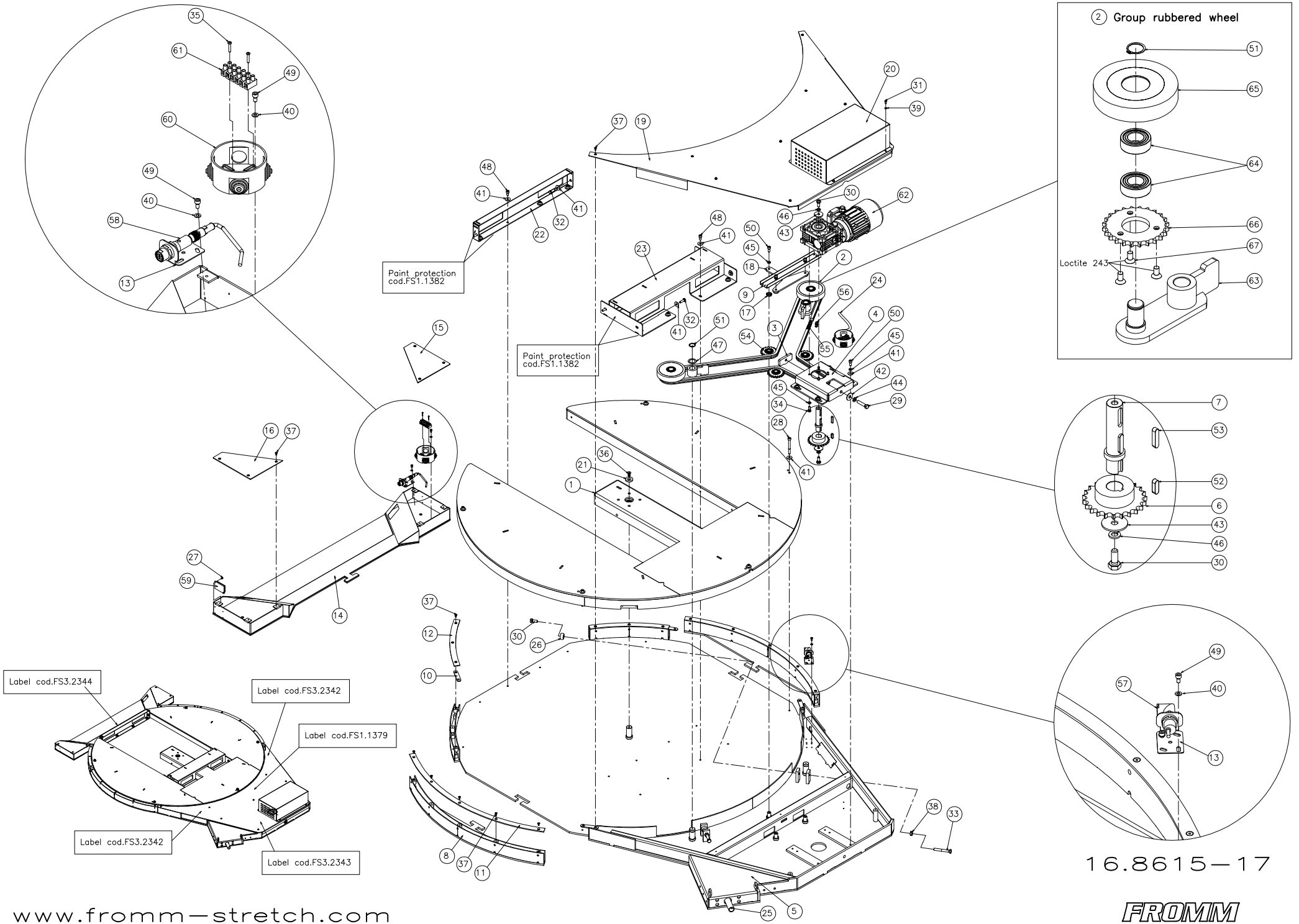
16.8613 Base unit FS3.0259 PARTS Ø2200mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS1.1379	1	Label	LABEL WITH DRAWING OF ARROW	1	**E**
FS1.1383	2	Plate	PLATE FOLDED FIXED ON THE TURNTABLE	1	
FS3.2098	3	Polizene	POLIZENE BETWEEN CHAIN AND BASE UNIT	1	**C**
FS3.2099	4	Gear	GEAR 5/8"x3/8" Z=54	1	
FS3.2342	5	Label	FALL DANGER LABEL	1	**E**
FS3.2343	6	Label	CRUSHING DANGER LABEL	1	**E**
FS3.2344	7	Label	FORKLIFT TRUCK LABEL	1	**E**
FS4.1017	8	Roller	ROLL (VALID UNTIL 31.12.2011)	20	**A-C-D**
FS4.0168	8	Roller	ROLL (VALID FROM 01.01.2012)	20	**A-C-D**
N1.1220	9	Screw	BUTTON HEAD SCREW ISO 7380 - M6 x 16	8	
N1.1228	10	Bolt	BUTTON HEAD BOLT M10x25 ZINCED UNI 7380	11	**B**
N1.1408	11	Bolt	HEXAGON HEAD BOLT M16x40 ZINCED UNI 5739	1	
N1.1552	12	Bolt	HEXAGON HEAD BOLT M16x30 ZINCED UNI 5739	1	
N1.1591	13	Bolt	HEXAGONAL HEAD BOLT M10x12 ZINCED UNI 5739	1	
N1.2183	14	Bolt	SOCKET CTRS. HD BOLT DIN 7991-A- M10 x 20	4	**B**
N1.5109	15	Nut	NUT M16 ZINCED UNI 5588	2	
N1.5305	16	Nut	PREVAILING HEXAGON TORQUE / NON MET. INS. M8	2	
N1.5936	17	Rivet	HEXAGON RIVET HEAD M6 L=16	4	
N1.6163	18	Washer	PLAIN WASHER M6 DIN 125	8	
N1.6410	19	Washer	PLAN WASHER M10 ZINCED UNI 8842	11	
N11.1173	20	Bolt	CYLINDRICAL HEAD CAP BOLT M8x25 ZN UNI 5931	2	**B**
N2.1223	21	Seeger	SEEGER D.62 TYPE "J" UNI 3654/7437	1	
N2.2455	22	Thorn	ELASTIC THORN 8x10 UNI 6873/71	1	
N31.1143	23	Ball bearing	BALL BEARING 62305 2RS1 25x62x24	1	**A-D**
N4.7371	24	Chain	CHAIN 5/8"X3/8" 225 LINKS	1	**B-D**
N4.7415	25	Link	LINK 5/8"X3/8"	1	
FS4.1248	26	Sheath	SHEATH PVC GREY	1	



16.8615—17

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16.8615-17 Horse shoe FS3.0222GB PARTS Ø1650mm

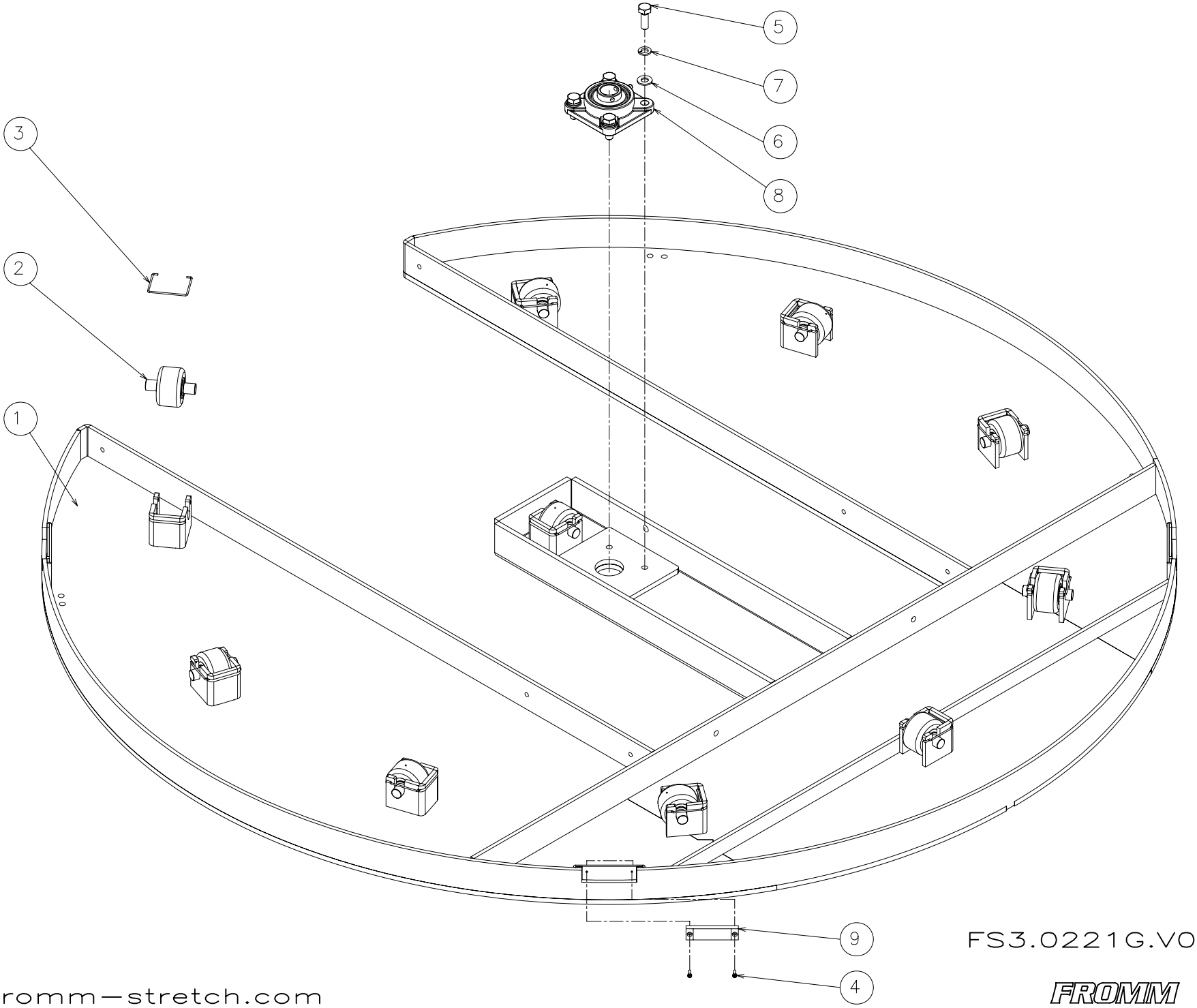
Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.0221G	1	Disk	PAINTED DISK YELLOW RAL 1021	1	
FS3.0226	2	Group	GROUP RUBBERED WHEEL	2	**C**
FS3.2085	3	Plate	PLATE	1	
FS3.2169	4	Bracket	BRACKET SUPPORT GEARBOX	1	
FS3.2316B	5	Group	GROUP HORSE SHOE D.1650 BLUE RAL 5010	1	
FS3.2333	6	Pinion	GEARBOX PINION	1	
FS3.2334	7	Shaft	GEARBOX SHAFT	1	
FS3.2349B	8	Plate	CURVED PLATE BLUE RAL 5010	2	
FS3.2355B	9	Bracket	BRACKET FOR CABLE	1	
FS3.2360Z	10	Plate	ZINCED PLATE	4	
FS3.2361B	11	Cover	LONG COVER BLUE RAL 5010	2	
FS3.2362B	12	Cover	SHORT COVER BLUE RAL 5010	2	
FS3.2363Z	13	Bracket	PHOTOCELL ZINCED BRACKET	2	
FS3.2366B	14	Plate	FRONT PLATE BLUE RAL 5010	1	**E**
FS3.2370B	15	Cover	PHOTOCELL COVER BLUE RAL 5010	1	
FS3.2372B	16	Cover	PHOTOCELL COVER BLUE RAL 5010	1	
FS3.2375	17	Spacer	SPACER	3	
FS3.2376B	18	Plate	PLATE BLUE RAL 5010	1	
FS3.2386B	19	Carter	HORSE SHOE CARTER BLUE RAL 5010	1	**E**
FS3.2388B	20	Carter	MOTOR CARTER BLUE RAL 5010	1	**E**
FS3.2389Z	21	Washer	SPECIAL ZINCED WASHER	1	
FS3.2394	22	Bracket	LIFTING BRACKET	1	
FS3.2395	23	Bracket	LIFTING BRACKET	1	
FS3.2401	24	Cable	PROXIMITY CABLE M12 L=4000	1	
FS4.1248	25	Tube	PVC TUBE	1	
FS4.1449	26	Spring	POLIURETANIC SPRING D.I.=10.5 L=20	2	**C**
N1.1105	27	Screw	CYLINDRICAL HEAD CAP SCREWS M3x6 DIN 912 BL	2	
N1.1131	28	Bolt	CYLINDRICAL HEAD CAP BOLT M8x80 DIN 912 BL	5	
N1.1440	29	Bolt	HEXAGON HEAD BOLT M12x55 DIN 933 ZINCED	1	**B**
N1.1546	30	Bolt	HEXAGON HEAD BOLT M10x25 DIN 933 ZINCED	4	**B**
N1.1550	31	Screw	HEXAGON HEAD SCREW M5x12 DIN 933 ZINCED	9	
N1.1557	32	Bolt	HEXAGON HEAD BOLT M8x25 DIN 933 ZINCED	6	
N1.1582	33	Bolt	HEXAGON HEAD BOLT M10x75 DIN 933 ZINCED	2	**B**
N1.1589	34	Bolt	HEXAGON HEAD BOLT M8x18 DIN 933 ZINCED	4	
N1.1714	35	Screw	BUTTON HEAD SCREW M2.9x16 DIN 7981 ZINCED	4	
N1.2147	36	Bolt	SOCKET CTRS. HD BOLT DIN 7991 M8x20 ZINCED	1	**B**
N1.2163	37	Screw	SOCKET CTRS. HD SCREW DIN 7991 M5x12 ZINCED	26	
N1.5108	38	Nut	NUT M10 DIN 934 ZINCED	2	
N1.6103	39	Washer	PLAIN WASHER M5 5.3x9.5x1 DIN 433 ZINCED	9	
N1.6167	40	Washer	PLAIN WASHER M5 5.3x10x1 DIN 433 ZINCED	8	
N1.6174	41	Washer	PLAIN WASHER M8 8.4x24x2 DIN 9021 ZINCED	27	
N1.6188	42	Washer	PLAIN WASHER M12 13x37x3 DIN 9021 ZINCED	1	
N1.6196	43	Washer	PLAIN WASHER M10 10.5x40x2.5 DIN 9021 ZINCED	2	
N1.6214	44	Washer	SPRING LOCK WASHER DIN 127 -B- M12	1	
N1.6215	45	Washer	SPRING LOCK WASHER DIN 127 -B- M8	11	

16.8615-17 Horse shoe FS3.0222GB PARTS Ø1650mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
N1.6216	46	Washer	SPRING LOCK WASHER DIN 127 -B- M10	2	
N1.6308	47	Washer	SPECIAL WASHER 26x38x0.5	2	
N11.1102	48	Bolt	CYLINDRICAL HEAD CAP SCREW M8x16 ZN DIN 912	12	
N11.1118	49	Screw	CYLINDRICAL HEAD CAP SCREW M5x10 ZN DIN 912	8	
N11.1141	50	Bolt	CYLINDRICAL HEAD CAP SCREW M8x20 ZN DIN 912	7	**B**
N2.1105	51	Seeger	ELASTIC RING TYPE A D.25 DIN 471	2	
N2.3314	52	Key	KEY 8x7x25 UNI 6604	1	
N2.3355	53	Key	KEY 8x7x35 UNI 6604	2	
N4.7238	54	Pinion	PINION WITH BALL BEARINGS 1/2"x5/16" Z=18	3	**E**
N4.7365	55	Chain	CHAIN 1/2"x5/16" 222 LINKS	1	**B-D**
N4.7413	56	Link	SPRING CLIP (LINK) 1/2"X5/16" ISO 08B-1	1	
N5.2643	57	Photocell	PHOTOCELL 90°	1	**E**
N5.2667	58	Photocell	REFLECTOR PHOTOCELL	1	**E-A**
N5.2668	59	Reflector	REFLECTOR	1	**E-A**
N5.6612	60	Box	CONNECTION BOX	2	
N5.6701	61	Clamp	CLAMP 12 POLES	1	
N51.1112	62	Motor/Gear	GEARBOX IEC71 0.55kW/4 POLES 230/400V 50Hz	1	**B-C**
FS4.1444	63	Lever	LEVER	1	
N31.1141	64	Ball bearing	BALL BEARING 63005 2RS1 25X47X16	2	**A-D**
FS4.1450	65	Wheel	RUBBERED WHEEL	1	**C**
FS4.1451	66	Gear	GEAR 1/2"x5/16" Z=24	1	
N1.2168	67	Bolt	SOCKET CTRS HD BOLT DIN 7991 M8x16 ZINCED	3	**B**

Inside packaging:

FS1.1383	Plate	PLATE FOLDED FIXED ON THE TURNTABLE	1	
FS3.2131B	Angular plate	ANGULAR PLATE COLUMN-BASE BLUE RAL 5010	1	
FS3.2132B	Plate	FIXING COLUMN-BASE UNIT BLUE RAL 5010	1	
N1.1228	Bolt	BUTTON HEAD BOLT M10x25 ISO 7380 ZINCED	11	
N1.1591	Bolt	HEXAGON HEAD BOLT M10x12 DIN 933 ZINCED	1	
N1.5109	Nut	NUT M16 DIN 934 ZINCED	1	
N1.5305	Nut	PREVAILING HEXAGON TORQUE M8 DIN 985 ZINCED	2	
N1.6410	Washer	LOCK WASHER M10 10.5x18x0.9 DIN 6798J ZINCED	11	
N11.1173	Bolt	CYLINDRICAL HEAD CAP SCREW M8x25 ZN DIN 912	2	
N2.2455	Thorn	ELASTIC THORN 8x10 DIN 1481 BLACK	1	
N4.4104	Rubber stop	RUBBER STOP TYPE "D" 50x28 M10	2	
N1.1552	Bolt	HEXAGON HEAD BOLT M16x30 DIN 933 ZINCED	1	
N1.4202	Cap	CAP M10x89	2	



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FS3.0221G.V01.02

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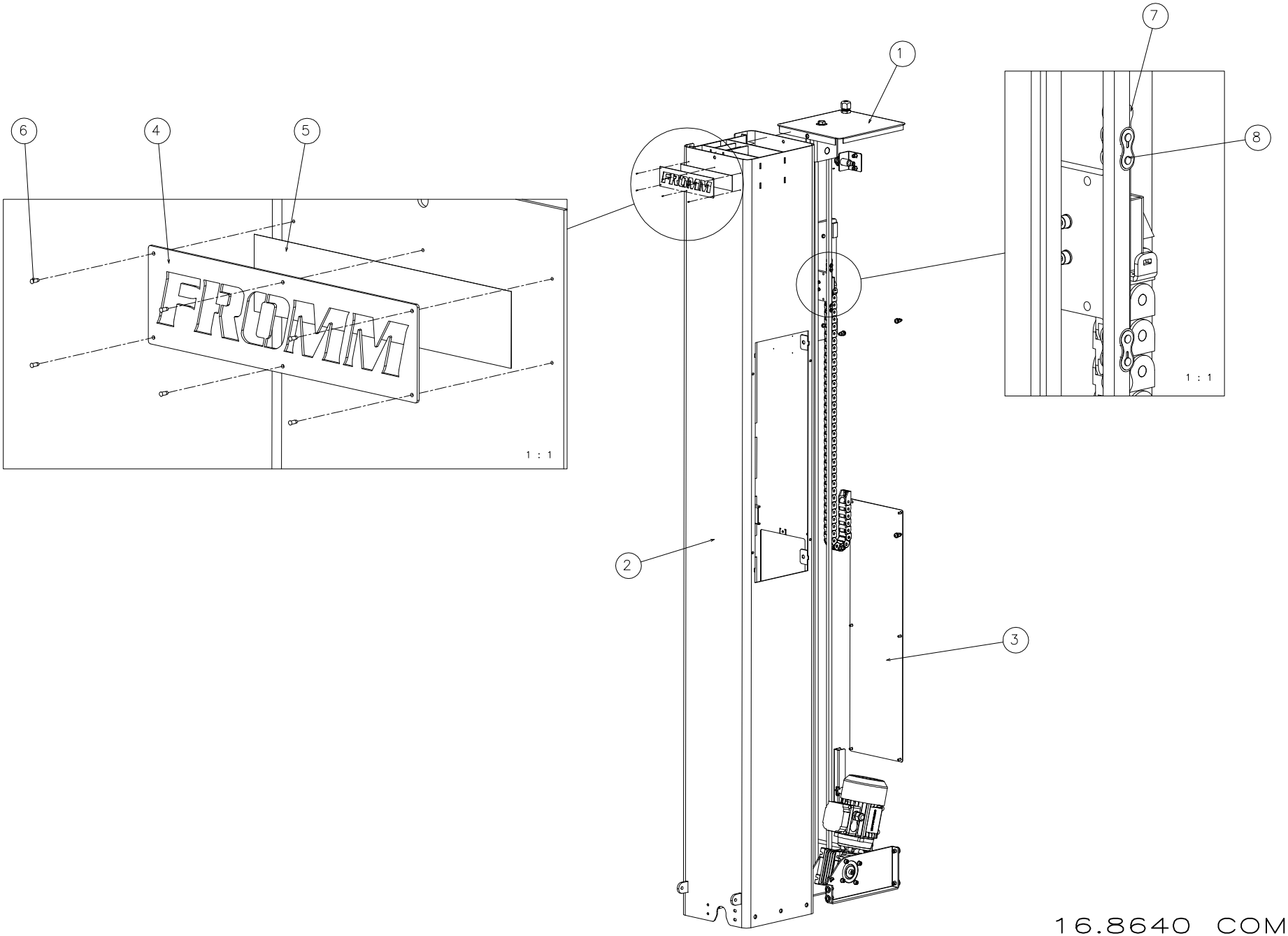
FS3.0221G Group painted disk yellow ral 1021

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2304G	1	Disk	PAINTED DISK D.1585 YELLOW RAL 1021	1	**A**
FS4.1017	2	Roller	ROLL (VALID UNTIL 31.12.2011)	10	**A-C-D**
FS4.0168	2	Roller	ROLL (VALID FROM 01.01.2012)	10	**A-C-D**
FS4.1462	3	Wire steel	INOX AISI 302 WIRE STEEL STOP ROLL	10	**C-D**
N1.1173	4	Screw	CYLINDRICAL HEAD SCREW M3x10 DIN 912 GALVAN.	2	
N1.1511	5	Bolt	HEXAGONAL HEAD BOLT M10x30 ZINCED DIN 933	4	
N1.6161	6	Washer	PLAIN WASHER M10 10,5x20x2 ZINCED DIN 125A	4	
N1.6216	7	Washer	SPRING LOCK WASHER M10 DIN 127-B- GALVANIZED	4	
N3.4624	8	Support	SWINGING BRACKET UCF 205	1	
N5.2644	9	Reflector	REFLECTING RL 112-G 19X73 MD	1	**A**



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16.8640 COMPLETE

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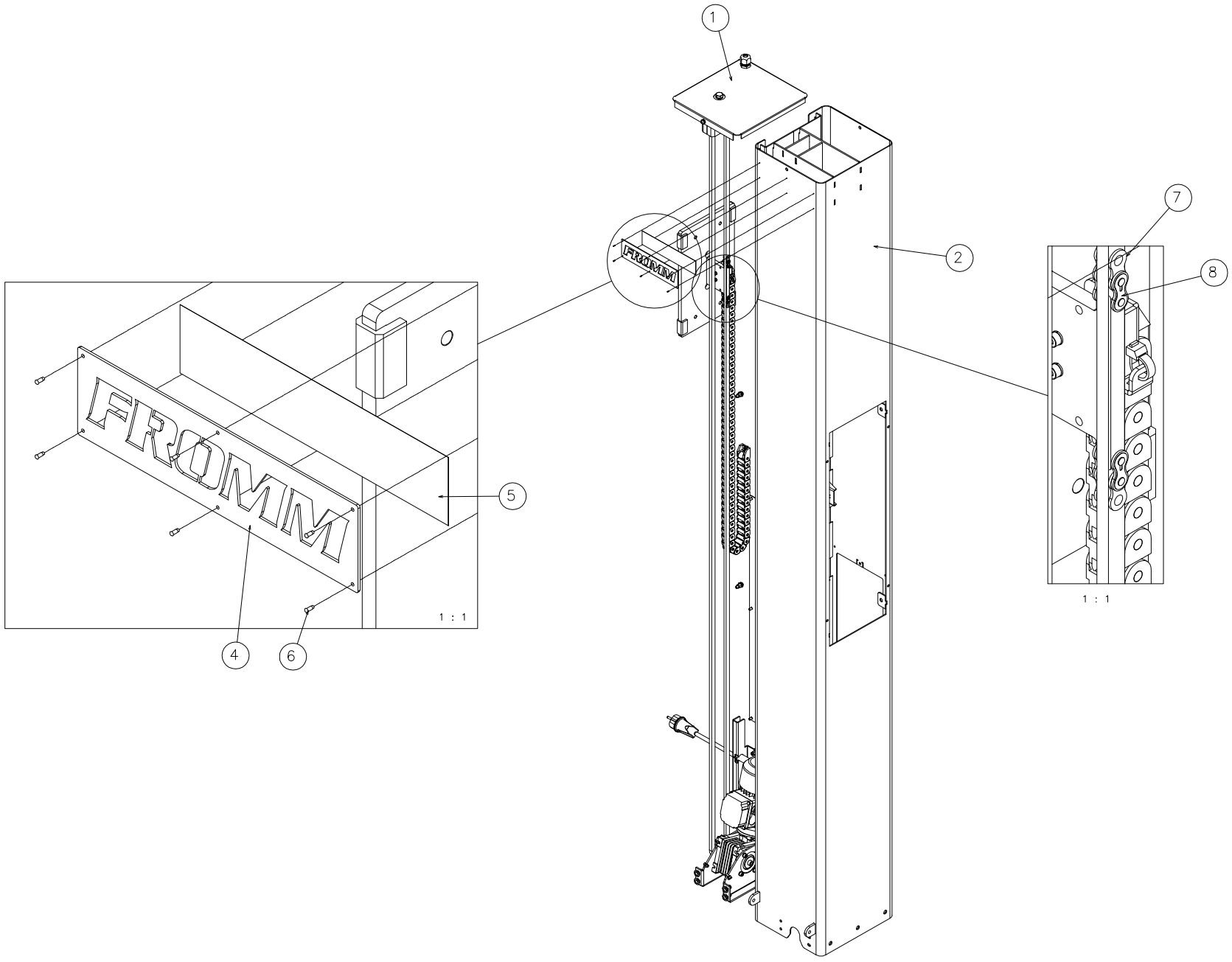
16.8640 Mast FS3.0205B COMPLETE H.2200mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
16.8640/41	1	Mast	MAST FS3.0209 PARTS H.2200/2500mm	1	
FS3.2105B	2	Column	PAINTED COLUMN H.2200 BLUE RAL 5010	1	
FS3.2130B	3	Carter	LATERAL COVER COLUMN BLUE RAL 5010	1	
FS4.1516	4	Label	LABEL BRAND FROMM	1	
FS4.1521	5	Sticker	RED STICKER PVC	1	
N2.4902	6	Rivet	RIVET D.1.85X4.76 Ni. UNI 7346	6	
N4.7359	7	Chain	CHAIN 1/2"X5/16" 315 LINKS	1	**B-D**
N4.7413	8	Link	LINK 1/2"X5/16"	2	



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16.8641 COMPLETE

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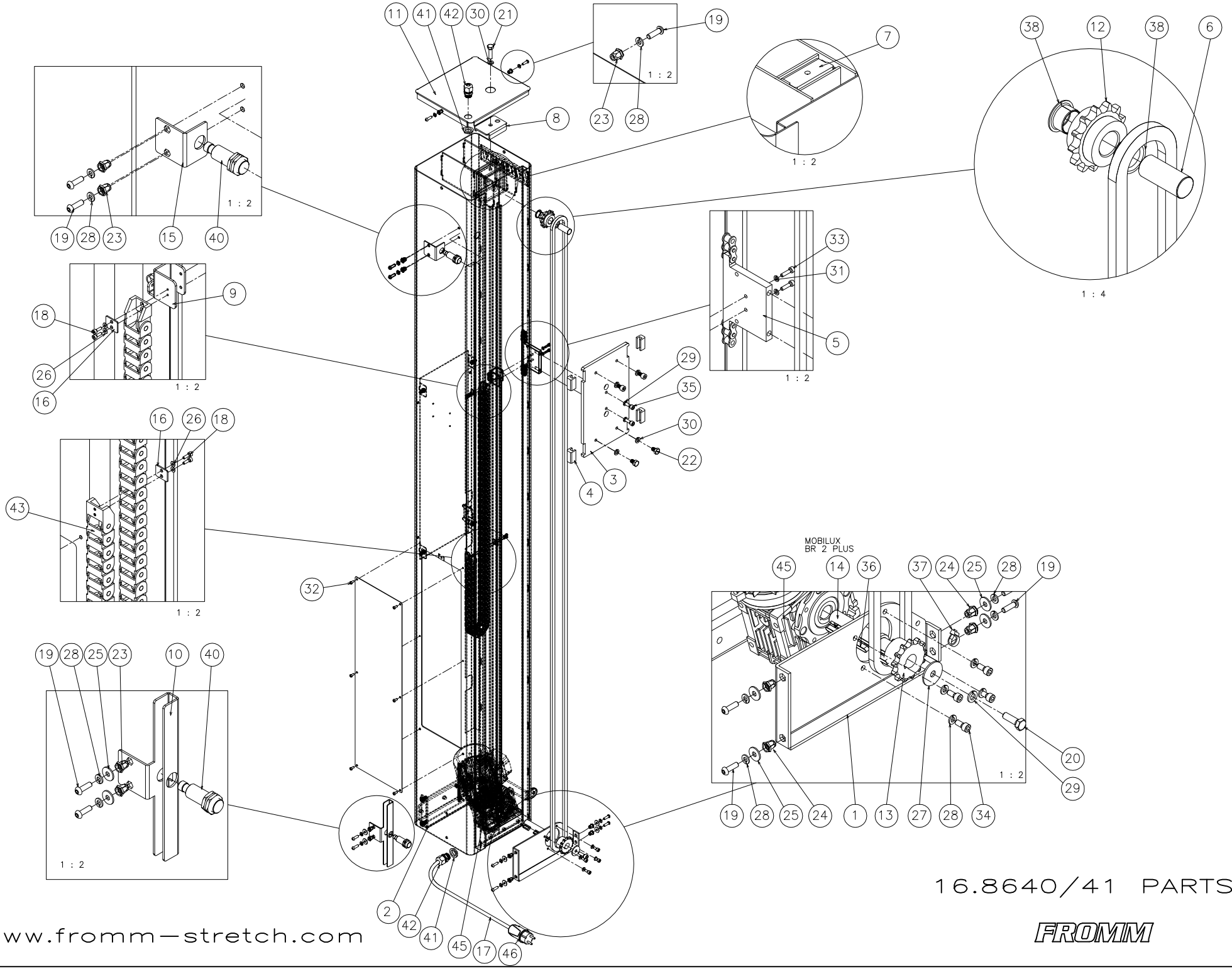
FROMM

16.8641 Mast FS3.0206B COMPLETE H.2500mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
16.8640/41	1	Mast	MAST FS3.0209 PARTS H.2200/2500mm	1	
FS3.2138B	2	Column	PAINTED COLUMN H.2500 BLUE RAL 5010	1	
FS3.2130B	3	Carter	LATERAL COVER COLUMN BLUE RAL 5010	1	
FS4.1516	4	Label	LABEL BRAND FROMM	1	
FS4.1521	5	Sticker	RED STICKER PVC	1	
N2.4902	6	Rivet	RIVET D.1.85X4.76 Ni. UNI 7346	6	
N4.7359	7	Chain	CHAIN 1/2"X5/16" 315 LINKS	1	**B-D**
N4.7413	8	Link	LINK 1/2"X5/16"	2	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16.8640/41 PARTS
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FROMM | WRAPPING SYSTEMS

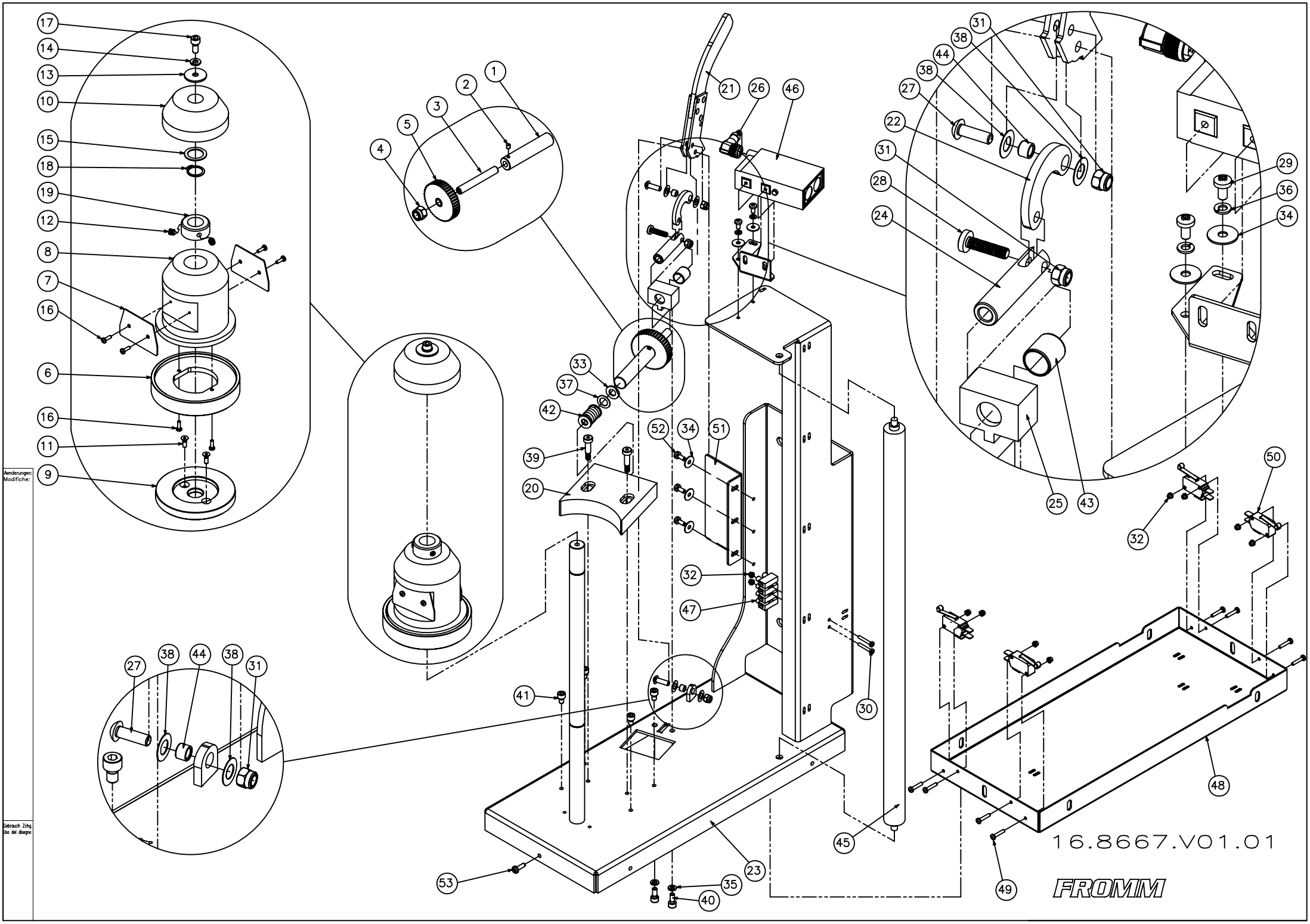
16.8640/41 Mast FS3.0209 PARTS H.2200/2500mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2117	1	Bracket	RIGHT BRACKET ATTACK GEARBOX	1	
FS3.2118	2	Bracket	LEFT BRACKET ATTACK GEARBOX	1	
FS3.2119	3	Plate	PLATE SLIDING CARRIAGE IN THE COLUMN	1	
FS3.2120	4	Polizene	POLIZENE FOR PLATE CARRIAGE	4	**C**
FS3.2121	5	Plate	PLATE CHAIN ATTACK COLUMN	1	
FS3.2122	6	Shaft	PIN	1	**C-E**
FS3.2123	7	Bracket	BRACKET	1	
FS3.2126	8	Plate	SUPPORT BRACKET	1	
FS3.2127	9	Bracket	BRACKET FOR CHAIN CABLES	1	
FS3.2128	10	Bracket	BRACKET FOR PROXIMITY	1	
FS3.2129	11	Plate	COVER	1	
FS3.2133	12	Gear	PINION 1/2"x5/16" Z=13 GROUP CHAIN TENSION	1	
FS3.2136	13	Pinion	PINION GEARBOX 1/2"x5/16" Z=13	1	
FS3.2137	14	Shaft	SHAFT GEARBOX	1	
FS3.2146	15	Bracket	BRACKET LOWER PROXIMITY	1	
FS3.2147	16	Plate	PLATE FOR CHAIN CABLES	2	
FS3.2195	17	Wire	WIRE MOTOR CARRIAGE FS300	1	
N1.1173	18	Screw	CYLINDRICAL HEAD CAP SCREW M3x10 ZN DIN 912	4	
N1.1222	19	Screw	BUTTON HEAD SCREW ISO 7380 - M6 x 20 ZINCED	18	**B**
N1.1557	20	Bolt	HEXAGON HEAD BOLT DIN 933 - M8 x 25 ZINCED	1	**B**
N1.1572	21	Bolt	HEXAGON HEAD BOLT DIN 933 - M10 x 40 ZINCED	1	**B**
N1.1595	22	Bolt	HEXAGON HEAD BOLT DIN 933 - M10 x 16 ZINCED	4	
N1.5936	23	Rivet	RIVET HEXAGON HEAD M6 L=16	10	
N1.5937	24	Rivet	RIVET HEXAGON HEAD M6 L=19	8	
N1.6131	25	Washer	PLAIN WASHER DIN 125 - 6,4 x 18 ZINCED	10	
N1.6154	26	Washer	PLAIN WASHER DIN 9021 3.2 x 9 x 0.8 ZINCED	4	
N1.6195	27	Washer	WASHER 8.5x32x2.5/M8 ZINCED	2	
N1.6204	28	Washer	SPRING LOCK WASHER DIN 127 -B- M6	22	
N1.6215	29	Washer	SPRING LOCK WASHER DIN 127 -B- M8	4	
N1.6216	30	Washer	SPRING LOCK WASHER DIN 127 -B- M10	5	
N1.6219	31	Washer	SPRING LOCK WASHER DIN 127 -B- M4	2	
N1.7331	32	Screw	HEAD PIN SCREW M5x10 ZINCED UNI 8112	6	
N11.1117	33	Screw	CYLINDRICAL HEAD CAP SCREW M4x16 ZN UNI 5931	2	
N11.1136	34	Screw	CYLINDRICAL HEAD CAP SCREW M6x14 ZN DIN 912	8	
N11.1173	35	Bolt	CYLINDRICAL HEAD CAP SCREW M8x25 ZN DIN 912	2	
N2.3307	36	Key	KEY 6x6x25 UNI 6604	3	
N2.7201	37	Plastic tie	PLASTIC TIE 170x4.8	6	
N3.3139	38	Tube	SMALL TUBE OF SHEET WITH COLLAR 18x20x12	2	
N5.2554	40	Proximity	PROXIMITY M18 PNP NO CONN. M12	2	**E**
N5.3341	41	Nut	LOCK NUT M20 GREY COLOR RAL 7035	2	
N5.3352	42	Gland	GLAND M20 D.6-12 GREY COLOR RAL 7035	2	
N5.3757	43	Cable chain	CABLE CHAIN WITH SUPPORT WITH 58 LINKS	1	
GROUP MOTORGEAR FS31x (VALID UNTIL SERIAL NUMBER MACHINE 03.00001)					
N51.1102	45	Motor/Gear	MOTOR/GEAR IEC 63 0.18KW/4 POLES 230/400V 50Hz	1	**B-C**
N51.1101	44	Motor	MOTOR IEC63 B14 0.18KW	1	**B-C**
N4.7644	39	Gearbox	GEARBOX	1	**B-C**

FROMM | WRAPPING SYSTEMS

16.8640/41 Mast FS3.0209 PARTS H.2200/2500mm

Part no.	RIF	Description	Specification English	Quantity	Maintenance
GROUP MOTORGEAR FS33x (VALID UNTIL SERIAL NUMBER MACHINE 03.00003)					
N51.1102	45	Motor/Gear	MOTOR/GEAR IEC 63 0.18KW/4 POLES 230/400V 50Hz	1	**B-C**
N51.1101	44	Motor	MOTOR IEC63 B14 0.18KW	1	**B-C**
N4.7644	39	Gearbox	GEARBOX	1	**B-C**
N51.2120	46	Thorn	THORN 10/16A ART. 637 147 POPP	1	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FROMM | WRAPPING SYSTEMS

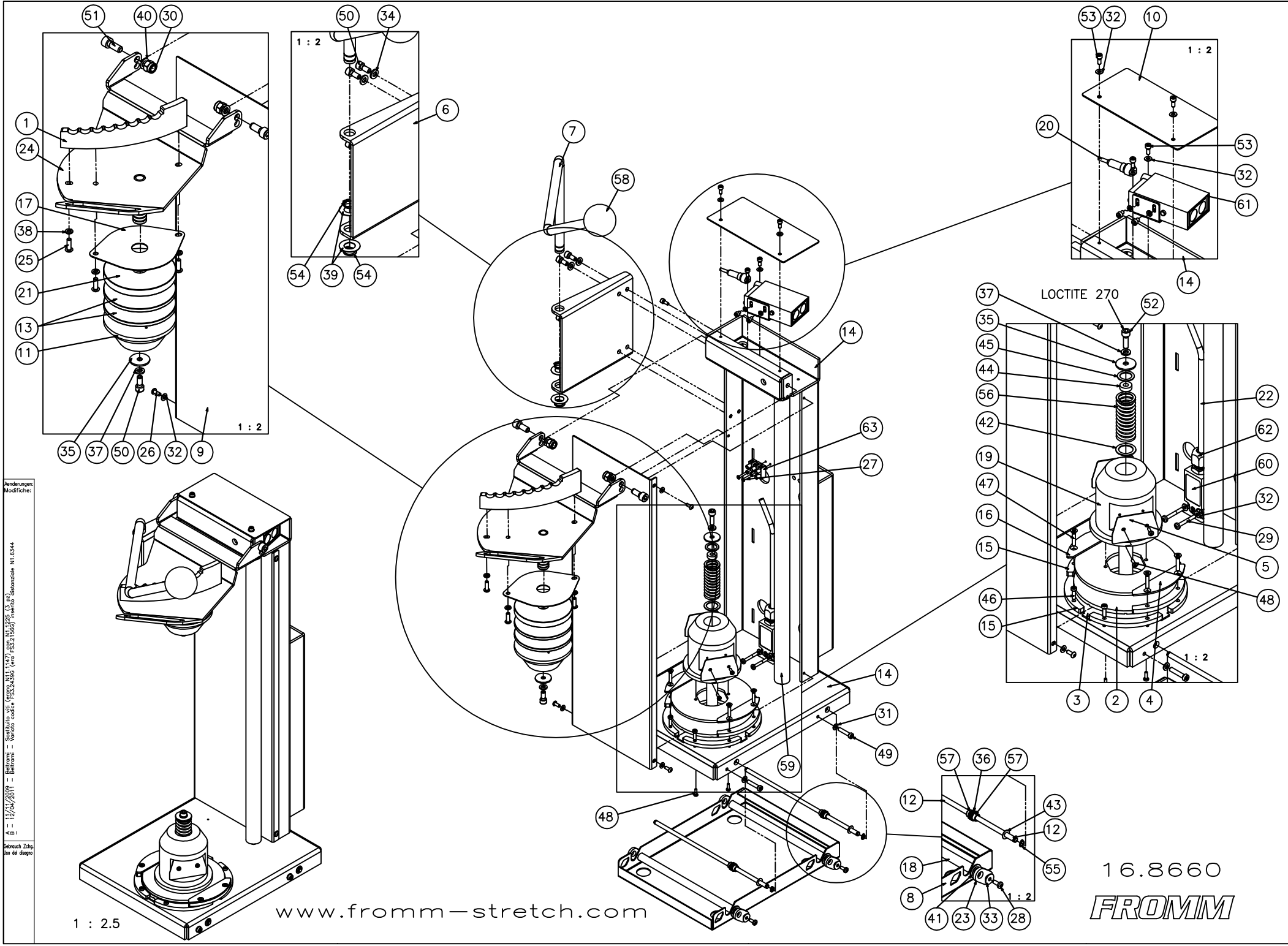
16.8667 Carriage 0 FS3.0249

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS1.2175	1	Pin	PIN	1	
N1.3113	2	Bolt	BOLT M6x16 DIN 913 GALVANIZED	1	
N1.3149	3	Bolt	BOLT M8x60 DIN 913 GALVANIZED	1	
N1.5305	4	Nut	NUT M8 DIN 985 GALVANIZED	1	
N1.5945	5	Washer	SPECIAL WHEEL/PINION FIL. M8	1	**E**
FS1.2174	6	Disk	DISK	1	
FS3.2039	7	Bracket	HARMONIC STEEL PLATE SPOOL HOLDER LOCKER	2	
FS3.2184	8	Holder	SPOOL HOLDER	1	**A**
FS3.2211	9	Disk	DISK TO CENTRE THE SPOOL HOLDER FLANGE	1	
FS3.2231	10	Holder	SPOOL HOLDER CENTRAL	1	
N1.2180	11	Screw	SOCKET CTRS. HD BOLT DIN 7991-A- M4x12 ZN	2	**B**
N1.3211	12	Bolt	BOLT M6x8 DIN 913 GALVANIZED	2	**B**
N1.6175	13	Washer	WASHER D.6x20x1.5 ZINCED	1	
N1.6204	14	Washer	SPRING LOCK WASHER DIN 127 -B- M6	1	
N1.6325	15	Washer	WASHER TYPE "PS" 18x25x1 DIN 988	1	
N1.7336	16	Screw	PHILIPS HEAD SCREW 3.5x10 ZINCED UNI 9707	6	
N11.1136	17	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x14 ZN	1	**B**
N2.1112	18	Seeger	SEEGER D.17 TYPE A DIN 471	1	
N7.2206	19	Metal ring	BLOCKING RING DIN 705 SHAPE C D. 18	1	
FS1.2155	20	Brake	BRAKE	1	**C**
FS1.2160	21	Lever	LEVER	1	
FS1.2161	22	Bracket	BRACKET	1	
FS1.2165	23	Structure	WELDED STRUCTURE	1	
FS1.2168	24	Piston	PISTON	1	
FS1.2172	25	Block	BLOCK	1	
FS1.2178	26	Cable	CABLE FOR PHOTOCELL	1	
N1.1225	27	Screw	BUTTON HEAD SCREW M5x16 GALVANIZED ISO 7380	2	
N1.1904	28	Screw	PHILIPS HEAD SCREW M5x20 GALVANIZED DIN 7985	1	
N1.1911	29	Screw	PHILIPS HEAD SCREW M4x8 GALVANIZED DIN 7985	2	
N1.1916	30	Screw	PHILIPS HEAD SCREW 3x20 ZINCED DIN 7985A	2	
N1.5302	31	Nut	NUT M5 ZN DIN 985	3	
N1.5313	32	Nut	NUT M3 ZN DIN 985	10	
N1.6117	33	Washer	PLAIN WASHER M8 ZINCED DIN 435	1	
N1.6160	34	Washer	PLAIN WASHER M4 ZINCED DIN 435	5	
N1.6217	35	Washer	SPRING LOCK WASHER DIN 127 -B- M5	2	
N1.6219	36	Washer	SPRING LOCK WASHER DIN 127 -B- M4	2	
N1.6364	37	Washer	WASHER TYPE "PS" 16x10x0.5 DIN 988	1	
N1.6382	38	Washer	WASHER TYPE "PS" 7x13x0.3 DIN 988	4	
N1.7116	39	Screw	CYLINDRICAL HEAD CAP SCREWS M5 6x16 ZN	2	
N11.1101	40	Screw	CYLINDRICAL HEAD CAP SCREWS M5x12 ISO4762 ZN	2	
N11.1134	41	Screw	CYLINDRICAL HEAD CAP SCREWS M5x8 ISO4762 ZN	4	
N21.5122	42	Spring	SPRING	1	**E**
N3.3119	43	Bush	GLYCODUR PG121415F	1	
N3.3161	44	Bush	BUSH 5x7x5 - MB0505DU	1	
N4.2210	45	Roll	ROLLS TYPE GL57 L=566MM	1	**A**

FROMM | WRAPPING SYSTEMS

16.8667 Carriage 0 FS3.0249

Part no.	RIF	Description	Specification English	Quantity	Maintenance
N5.2635	46	Photocell	PHOTOCELL RX8/00-1A	1	**A**
N5.6701	47	Clamp	CLAMP 12 POLES	1	**E**
FS3.2568	48	Steel	CRUSH-PROOF GUARD STEEL	1	
N1.1914	49	Screw	PHILIPS HEAD SCREW 3x16 ZINCED DIN 7985A	8	
N5.2375	50	Microswitch	MICROSWITCH OMRON D3V-166-M1C5	4	**C**
FS3.2567	51	Bracket	BRACKET	1	
N1.7333	52	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	3	
N1.7339	53	Screw	HEAD PIN SCREW M5x16 ZINCED UNI 8112	6	



Aenderungen:
Modifiche:

A = 11/11/2009 - Beltrami - Sostituito viti (erano N11.1447) con N1.1225 (3 pz)
B = 12/04/2011 - Beltrami - Variato codice FS3.24396 (era FS3.21586) inserito distanziale N1.8344

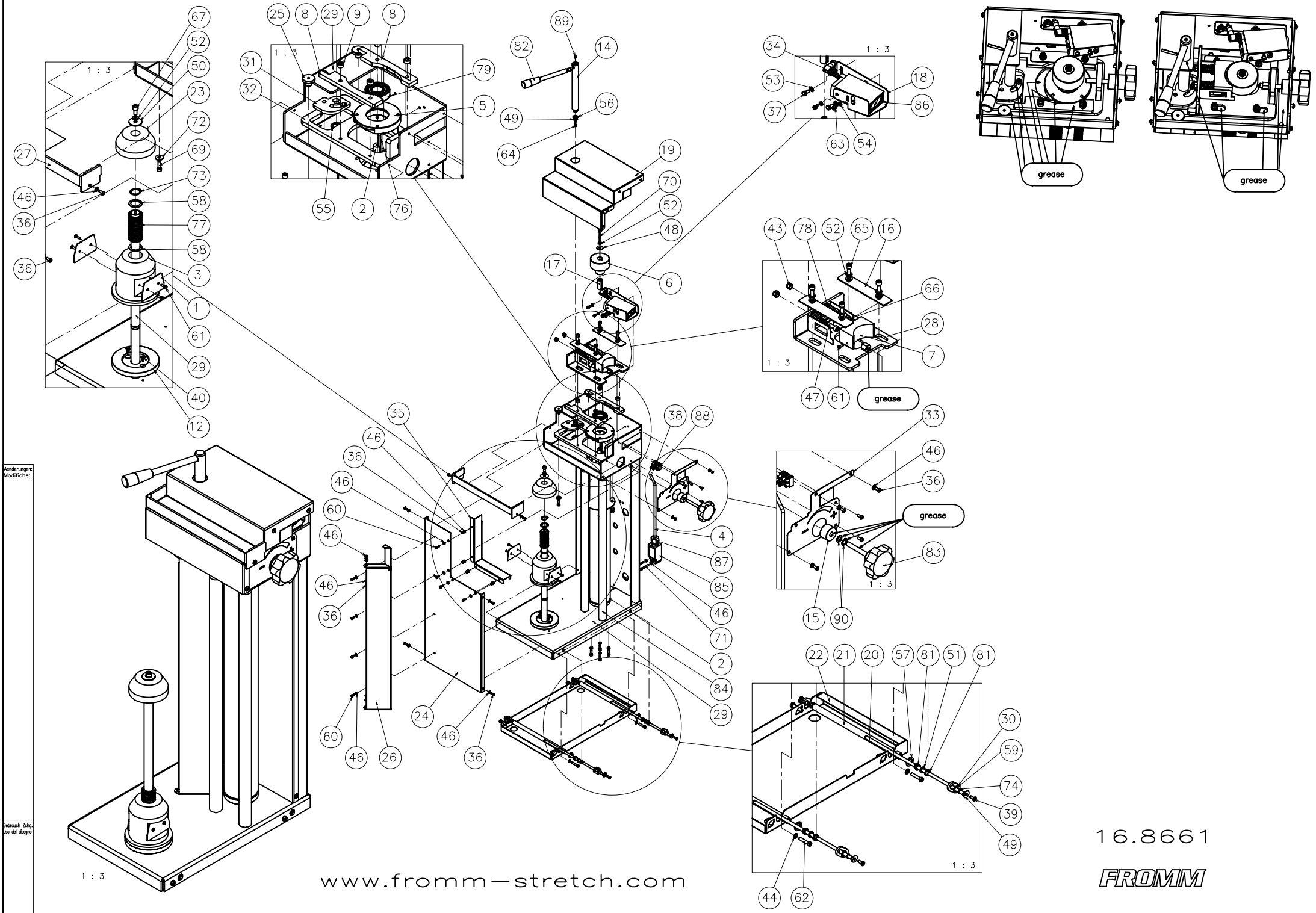
Gebrauch Zchg.
Uso del disegno

16.8660 Carriage 1 FS3.0201G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2033	1	Bracket	BRACKET TO INCREASE THE TENSION OF THE FILM	1	**C**
FS3.2034	2	Friction	FRICTION DISK 130x60x5	1	**C**
FS3.2303	2	Friction	FRICTION DISK 130x60x5 (PLASTIC LESS TENSION)	1	**C**
FS3.2036	3	Disk	DISK TO SUPPORT FOR THE FRICTION	1	
FS3.2037	4	Friction	FRICTION RING	1	
FS3.2039	5	Bracket	HARMONIC STEEL PLATE SPOOL HOLDER LOCKER	2	
FS3.2041G	6	Support	SUPPORT YELLOW RAL 1021	1	
FS3.2042	7	Lever	LEVER TO INCREASE/DECREASE THE STRETCH	1	**E**
FS3.2044	8	Bracket	BRACKET CRUSH-PROOF GUARD YELLOW RAL 1021	1	**E**
FS3.2045G	9	Carter	CARTER TO HIDE THE WIRES YELLOW RAL 1021	1	
FS3.2046G	10	Plate	PHOTOCELL PROTECTION YELLOW RAL 1021	1	
FS3.2048	11	Support	SPOOL HOLDER SUPPORT	1	**C**
FS3.2049	12	Hinge	HINGE TO ROTATE THE CRUCH-PROOF GUARD	2	
FS3.2153	13	Distance piece	DISTANCE PIECE SPOOL HOLDER SP.5mm	2	**C**
FS3.2154G	14	Structure	WELDED STEEL STRUCTURE YELLOW RAL 1021	1	
FS3.2180	15	Plate	PLATE TO CENTRE THE FRICTION	6	
FS3.2181	16	Plate	BLOCK FRICTION RING	2	
FS3.2182	17	Protection	PROTECTION	1	
FS3.2183	18	Hinge	HINGE CRUSH-PROOF GUARD	2	
FS3.2184	19	Holder	SPOOL HOLDER	1	**A**
FS3.2193	20	Cable	PHOTOCELL CABLE FS300	1	**E**
FS3.2194	21	Distance piece	DISTANCE PIECE SPOOL HOLDER SP.10mm	1	
FS3.2196	22	Wire	SENSOR MICRO WIRE	1	
FS3.2241	23	Plate	PLATE	4	
FS3.2439	24	Plate	PLATE TO STRETCH THE FILM	1	
N1.1225	25	Screw	BUTTON HEAD SCREW M5x16 ZINCED ISO 7380	3	
N1.1230	26	Screw	BUTTON HEAD SCREW 4x10 ZINCED ISO 7380	4	
N1.1714	27	Screw	BUTTON HEAD SCREW 2.9x16 ZINCED DIN 7981	2	
N1.1921	28	Screw	CYLINDRICAL HEAD CAP SCREW M4x10 ZN DIN 7985	4	
N1.1937	29	Screw	PHILIPS HEAD SCREW DIN 7985A M4x30 ZINCED	2	
N1.5305	30	Nut	NUT M8 DIN 985 ZINCED	2	
N1.6103	31	Washer	PLAIN WASHER D.5.3x9.5x1 M5 ZINCED DIN 433	4	
N1.6115	32	Washer	PLAIN WASHER D.4.3x9 M4 ZINCED DIN 125	10	
N1.6160	33	Washer	PLAIN WASHER D.4.3x14x0.8 M4 ZINCED	4	
N1.6163	34	Washer	PLAIN WASHER M6 ZINCED DIN 125	4	
N1.6175	35	Washer	WASHER D.6x20x1.5 ZINCED	2	
N1.6198	36	Washer	NYLON WASHER D.INT.6.4 D.EST.12.5 DIN 125	4	
N1.6204	37	Washer	SPRING LOCK WASHER DIN 127 -B- M6	2	
N1.6217	38	Washer	SPRING LOCK WASHER DIN 127 -B- M5	3	
N1.6310	39	Washer	PLAIN WASHER D.14x26x0.5 DIN 988	2	
N1.6315	40	Washer	PLAIN WASHER D.8x14x0.5 DIN 988	2	
N1.6318	41	Washer	WASHER TYPE "SS" 12x18x1.2 DIN 988	4	
N1.6325	42	Washer	WASHER TYPE "PS" 18x25x1 DIN 988	1	
N1.6331	43	Washer	WASHER TYPE "PS" 6x12x0.5 DIN 988	4	
N1.6344	44	Distance piece	DISTANCE PIECE 6.3x15x5 NYLON	1	

16.8660 Carriage 1 FS3.0201G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
N1.6375	45	Washer	SPECIAL WASHER TYPE "PS" 15x21x1 DIN 988	1	
N1.7334	46	Washer	HEAD PIN SCREW M4x14 ZINCED UNI 8112	4	
N1.7335	47	Washer	HEAD PIN SCREW M4x20 ZINCED DIN 7500-M	4	
N1.7336	48	Screw	PHILIPS HEAD SCREW 3.5x10 ZINCED UNI 9707	6	
N1.7338	49	Screw	HEAD PIN SCREW M5x25 ZINCED UNI 8112	4	
N11.1136	50	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x14 ZN	5	**B**
N11.1141	51	Bolt	CYLINDRICAL HEAD CAP SCREWS DIN 912 M8x20 ZN	2	**B**
N11.1143	52	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x20 ZN	1	
N11.1162	53	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M4x10 ZN	5	
N2.1117	54	Seeger	SEEGER D.14 TYPE A DIN 471	2	
N2.1118	55	Seeger	SEEGER D.6 TYPE A DIN 471	4	
N21.5120	56	Spring	SPRING D.INT.24.1 L=67.5	1	**C**
N3.3317	57	Bush	BUSH D.INT.=6mm L= 6mm	8	
N4.1112	58	Gripe	GRIPE YELLOW RAL 1021	1	
N4.2210	59	Roll	ROLLS TYPE GL57 L=566MM	1	**A**
N5.2357	60	Sensor	MICRO SENSOR FR601-A FOOT PROTECTION	1	**C**
N5.2635	61	Photocell	PHOTOCELL RX8/00-1A	1	**A**
N5.2638	61	Photocell	PHOTOCELL (BLACK FILM)	1	**A**
N5.2651	61	Photocell	PHOTOCELL (BLACK GOODS)+SUPPORT **FS3.2224**	1	**A**
N5.3331	62	Cable gland	CABLE GLAND PG. 11 KLEINHUIS	1	
N5.6701	63	Clamp	CLAMP 12 POLES	1	**E**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FROMM WRAPPING SYSTEMS

16.8661 Carriage 2 FS3.0217G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2039	1	Bracket	HARMONIC STEEL PLATE SPOOL HOLDER LOCKER	2	
FS3.2151	2	Roll	RUBERED ROLL	1	**C**
FS3.2184	3	Holder	SPOOL HOLDER	1	**A**
FS3.2196	4	Wire	SENSOR MICRO WIRE	1	
FS3.2201	5	Flange	FLANGE FOR BALL BEARING	1	
FS3.2204	6	Friction Roll	FRICTION ROLL	1	
FS3.2205	7	Friction	FRICTION	1	**C**
FS3.2206	8	Steel	STEEL FOR SLIDE	2	
FS3.2207	9	Distance	DISTANCE PIECE	4	
FS3.2209	10	Flange	FLANGE FOR BALL BEARING	1	
FS3.2210	11	Distance	DISTANCE PIECE	1	
FS3.2211	12	Disk	DISK TO CENTRE THE SPOOL HOLDER FLANGE	1	
FS3.2212G	13	Disk	DISK FOR BALL BEARING	1	
FS3.2214	14	Shaft	SHAFT FOR HANDLE	1	**E**
FS3.2215	15	Distance	DISTANCE PIECE	1	
FS3.2219	16	Steel	STEEL STOP-SLIDE	2	
FS3.2222	17	Distance	DISTANCE PIECE	1	
FS3.2223	18	Support	PHOTOCELL SUPPORT	1	
FS3.2224	18	Support	PHOTOCELL SICK SUPPORT CARRIAGE 2	1	
FS3.2225G	19	Carter	UPPER CARTER	1	
FS3.2228	20	Hinge	HINGE FOR THE CRUSH-PROOF GUARD STEEL	2	**E**
FS3.2229	21	Hinge	HINGE FOR THE CRUSH-PROOF GUARD STEEL	2	
FS3.2230	22	Steel	CRUSH-PROOF GUARD STEEL	1	**E**
FS3.2231	23	Holder	SPOOL HOLDER CENTRAL	1	**C**
FS3.2232G	24	Carter	CARTER CARRIAGE COVER YELLOW RAL 1021	1	
FS3.2234	25	Distance	DISTANCE PIECE	2	
FS3.2235G	26	Carter	PROTECTION CARTER YELLOW RAL 1021	1	**A**
FS3.2236G	27	Bracket	BRACKET TOOL-BOX	1	
FS3.2239	28	Slide	SLIDE WITH FRICTION	1	**D**
FS3.2240G	29	Sheet	WELDED STEEL STRUCTURE YELLOW RAL 1021	1	**A**
FS3.2241	30	Plate	PLATE	4	**C**
FS3.2242	31	Plate	PLATE	1	
FS3.2246	32	Slide	COMPLETE SLIDE	1	
FS3.2247	33	Plate	FRONTAL PLATE	1	
FS3.2258	34	Wire	WIRE PHOTOCELL FS300	1	**E**
FS3.2279	35	Carter	CARTER CARRIAGE COVER YELLOW RAL 1021	1	
N1.1230	36	Screw	BUTTON HEAD SCREW 4x10 ZINCED ISO 7380	21	**B**
N1.1593	37	Screw	HEXAGON HEAD BOLT DIN 933 - M5 x 10 ZINCED	2	
N1.1714	38	Screw	BUTTON HEAD SCREW 2.9x16 ZINCED DIN 7981	2	
N1.1921	39	Screw	CYLINDRICAL HEAD CAP SCREW M4x10 ZN DIN 7985	4	**B**
N1.2180	40	Screw	SOCKET CTRS. HD BOLT DIN 7991-A- M4x12 ZN	2	
N1.3301	41	Bolt	BOLT M10x12 DIN 916 BLACK	1	
N1.4804	42	Bolt	BOLT M10x19	1	
N1.5301	43	Nut	NUT M6 ZN DIN 985	2	
N1.6103	44	Washer	PLAIN WASHER D.5.3x9.5x1 M5 ZINCED DIN 433	4	

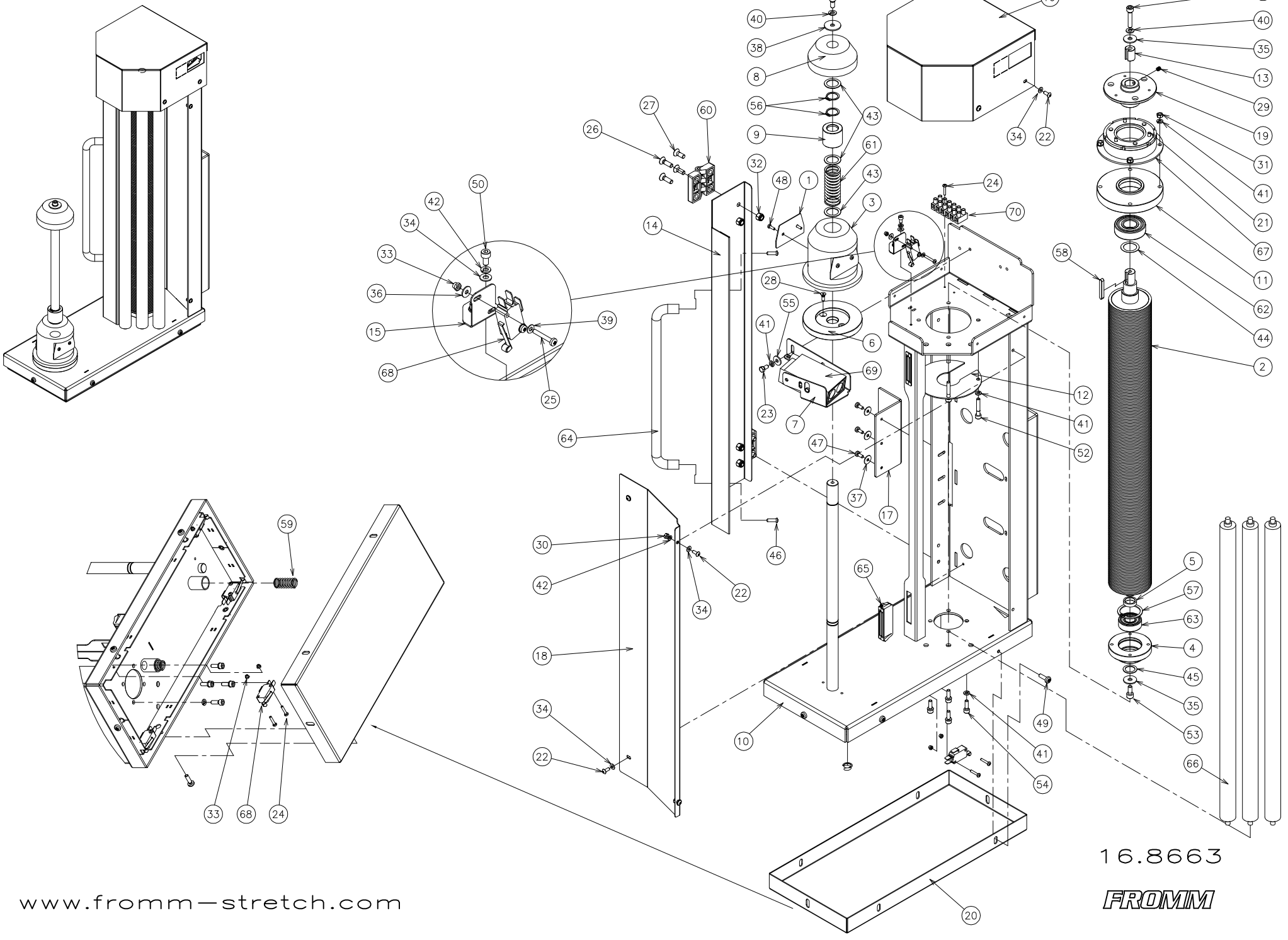
FROMM WRAPPING SYSTEMS

16.8661 Carriage 2 FS3.0217G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
N1.6114	45	Washer	PLAIN WASHER D.6.4x12.5x1.6 M6 ZINCED DIN 434	4	
N1.6115	46	Washer	PLAIN WASHER D.4.3x9 M4 ZINCED DIN 435	32	
N1.6131	47	Washer	PLAIN WASHER D.6.4x18x1.6 M6 ZINCED DIN 9021B	2	
N1.6141	48	Washer	PLAIN WASHER D.6x20x1.5 ZINCED	1	
N1.6160	49	Washer	PLAIN WASHER D.4.3x14x0.8 M4 ZINCED	5	
N1.6175	50	Washer	WASHER D.6x20x1.5 ZINCED	1	
N1.6198	51	Washer	NYLON WASHER D.INT.6.4 D.EST.12.5 DIN 125	4	
N1.6204	52	Washer	SPRING LOCK WASHER DIN 127 -B- M6	10	
N1.6217	53	Washer	SPRING LOCK WASHER DIN 127 -B- M5	6	
N1.6219	54	Washer	SPRING LOCK WASHER DIN 127 -B- M4	2	
N1.6307	55	Washer	WASHER TYPE "SS" 15x21x1.5 DIN 988	1	
N1.6309	56	Washer	WASHER TYPE "PS" 10x16x0.5 DIN 988	1	
N1.6318	57	Washer	WASHER TYPE "SS" 12x18x1.2 DIN 988	4	
N1.6325	58	Washer	WASHER TYPE "PS" 18x25x1 DIN 988	3	
N1.6331	59	Washer	WASHER TYPE "PS" 6x12x0.5 DIN 988	4	
N1.7333	60	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	8	
N1.7336	61	Screw	PHILIPS HEAD SCREW 3.5x10 ZINCED UNI 9707	5	
N1.7338	62	Screw	HEAD PIN SCREW M5x25 ZINCED UNI 8112	4	
N11.1114	63	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M4x6 ZN	2	
N11.1117	64	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M4x16 ZN	1	
N11.1122	65	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x25 ZN	4	**B**
N11.1129	66	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x40 ZN	2	
N11.1136	67	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x14 ZN	1	**B**
N11.1143	68	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x20 ZN	4	
N11.1147	69	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M5x16 ZN	6	
N11.1163	70	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x50 ZN	1	
N11.1174	71	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M4x30 ZN	2	
N11.6104	72	Washer	PLAIN WASHER D.15x5.3x1.2 M5 ZINCED ISO 4759/3	2	
N2.1112	73	Seeger	SEEGER D.17 TYPE A DIN 471	2	
N2.1118	74	Seeger	SEEGER D.6 TYPE A DIN 471	4	
N2.1206	75	Seeger	SEEGER FOR HOLES D.35 TYPE J	1	
N2.3369	76	Key	KEY 5x5x50 DIN 6885	1	
N21.5120	77	Spring	SPRING D.INT.24.1 L=67.5	1	**C**
N21.5122	78	Spring	SPRING Dh=16 Dd=8 Lo=25 ISO 10243	2	**C**
N3.1147	79	Ball bearings	BALL BEARING 20x47x14 6204.2RS	1	**A-D**
N3.1182	80	Ball bearings	BALL BEARING 15x35x11 6202.2RS	1	**A-D**
N3.3317	81	Bush	BUSH D.INT.=6mm L= 6mm	8	
N4.1941	82	Lever	LEVER d.12xD.17 - M10 L=174	1	
N4.1942	83	Handle	HEXAGON HANDLE VP/60 M8x60	1	**A**
N4.2210	84	Roll	ROLLS TYPE GL57 L=566MM	2	**A**
N5.2357	85	Sensor	MICRO SENSOR FR601-A FOOT PROTECTION	1	**C**
N5.2635	86	Photocell	PHOTOCELL RX8/00-1A	1	**A**
N5.2638	86	Photocell	PHOTOCELL (BLACK FILM)	1	**A**
N5.2651	86	Photocell	PHOTOCELL (BLACK GOODS)+SUPPORT **FS3.2224**	1	**A**
N5.3331	87	Cable gland	CABLE GLAND PG. 11 KLEINHUIS	1	**A**

16.8661 Carriage 2 FS3.0217G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
N5.6701	88	Clamp	CLAMP 12 POLES	1	**E**
N1.3302	89	Bolt	BOLT M5x6 DIN 916 BLACK	1	
N1.6358	90	Washer	WASHER TYPE PS DIN988 8X14X0,15 ZINCED	2	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FROMM WRAPPING SYSTEMS

16.8663 Carriage 4 FS3.0229G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2039	1	Bracket	HARMONIC STEEL PLATE SPOOL HOLDER LOCKER	2	
FS3.2151	2	Roll	RUBERED ROLL	1	**C**
FS3.2184	3	Holder	SPOOL HOLDER	1	**A**
FS3.2209	4	Flange	BALL BEARING HOUSING	1	
FS3.2210	5	Distance	DISTANCE PIECE	1	
FS3.2211	6	Disk	DISK TO CENTRE THE SPOOL HOLDER FLANGE	1	
FS3.2223	7	Support	PHOTOCELL SUPPORT	1	
FS3.2231	8	Holder	SPOOL HOLDER CENTRAL	1	**C**
FS3.2385	9	Block	BLOCK FOR THE SPRING	1	
FS3.2410	10	Sheet	WELDED STEEL STRUCTURE YELLOW RAL 1021	1	**A**
FS3.2411	11	Flange	BALL BEARING HOUSING	1	
FS3.2412	12	Disk	DISK	1	
FS3.2413	13	Distance piece	DISTANCE PIECE	1	
FS3.2418	14	Door	DOOR	1	
FS3.2420	15	Bracket	BRACKET	1	
FS3.2428	16	Carter	UPPER CARTER	1	
FS3.2429	17	Bracket	BRACKET	1	
FS3.2430	18	Carter	PROTECTION CARTER YELLOW RAL 1021	1	**A**
FS3.2431	19	Flange	FLANGE	1	
FS3.2432	20	Steel	CRUSH-PROOF GUARD STEEL	1	**E**
N1.1212	21	Screw	BUTTON HEAD SCREW 4x6 ZINCED ISO 7380	3	
N1.1230	22	Screw	BUTTON HEAD SCREW 4x10 ZINCED ISO 7380	8	**B**
N1.1593	23	Screw	HEXAGON HEAD BOLT DIN 933 - M5 x 10 ZINCED	2	
N1.1914	24	Screw	PHILIPS HEAD SCREW 3x16 ZINCED DIN 7985A	10	**B**
N1.1916	25	Screw	PHILIPS HEAD SCREW 3x20 ZINCED DIN 7985A	2	
N1.2102	26	Screw	SOCKET CTRS. HD BOLT DIN 7991-A- M6x20 ZN	4	
N1.2108	27	Screw	SOCKET CTRS. HD BOLT DIN 7991-A- M6x16 ZN	4	
N1.2180	28	Screw	SOCKET CTRS. HD BOLT DIN 7991-A- M4x12 ZN	2	**B**
N1.3302	29	Bolt	BOLT M5x6 DIN 916 BLACK	1	
N1.5124	30	Nut	NUT DIN 934 - M4	2	
N1.5131	31	Nut	NUT DIN 934 - M5	4	
N1.5301	32	Nut	NUT M6 ZN DIN 985	4	
N1.5313	33	Nut	NUT M3 ZN DIN 985	10	
N1.6115	34	Washer	PLAIN WASHER D.4.3x9 M4 ZINCED DIN 435	10	
N1.6141	35	Washer	PLAIN WASHER D.6x20x1.5 ZINCED	2	
N1.6154	36	Washer	PLAIN WASHER M3 3,2x9x0,8 GALVANIZED DIN 9021	2	
N1.6160	37	Washer	PLAIN WASHER D.4.3x14x0.8 M4 ZINCED	3	
N1.6175	38	Washer	WASHER D.6x20x1.5 ZINCED	1	
N1.6190	39	Washer	NYLON WASHER Di=3.2 De=7 Sp.0.5	2	
N1.6204	40	Washer	SPRING LOCK WASHER DIN 127 -B- M6	2	
N1.6217	41	Washer	SPRING LOCK WASHER DIN 127 -B- M5	14	
N1.6219	42	Washer	SPRING LOCK WASHER DIN 127 -B- M4	4	
N1.6325	43	Washer	WASHER TYPE "PS" 18x25x1 DIN 988	3	
N1.6328	44	Washer	WASHER TYPE "PS" 20x28x0.2 DIN 988	1	
N1.6375	45	Washer	WASHER TYPE "PS" 15x21x1 DIN 988	1	

16.8663 Carriage 4 FS3.0229G

Part no.	RIF	Description	Specification English	Quantity	Maintenance
N1.7203	46	Screw	HEAD PIN SCREW M4x14 ZINCED UNI 8112	2	
N1.7333	47	Screw	HEAD PIN SCREW M4x10 ZINCED UNI 8112	3	**B**
N1.7336	48	Screw	PHILIPS HEAD SCREW 3.5x10 ZINCED UNI 9707	4	
N1.7339	49	Screw	HEAD PIN SCREW M5x16 ZINCED UNI 8112	6	
N11.1115	50	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M5x16 ZN	2	**B**
N11.1123	51	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x30 ZN	1	**B**
N11.1127	52	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M5x30 ZN	4	**B**
N11.1136	53	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M6x14 ZN	2	**B**
N11.1147	54	Screw	CYLINDRICAL HEAD CAP SCREWS DIN 912 M5x16 ZN	4	
N11.6104	55	Washer	PLAIN WASHER D.15x5.3x1.2 M5 ZINCED ISO 4759/3	2	
N2.1112	56	Seeger	SEEGER D.17 TYPE A DIN 471	2	
N2.1206	57	Seeger	SEEGER FOR HOLES D.35 TYPE J	1	
N2.3371	58	Key	KEY 5x5x36 DIN 6885	1	
N2.5231	59	Spring	SPRING	2	**C**
N2.6108	60	Hinge	HINGE	2	
N21.5120	61	Spring	SPRING D.INT.24.1 L=67.5	1	**C**
N3.1147	62	Ball bearings	BALL BEARING 20x47x14 6204.2RS	1	**A-D**
N3.1182	63	Ball bearings	BALL BEARING 15x35x11 6202.2RS	1	**A-D**
N4.1908	64	Handle	HANDLE	1	
N4.1943	65	Closer	MAGNETIC CLOSER SOUTHCO 02-10-201-10	2	**C**
N4.2210	66	Roll	ROLLS TYPE GL57 L=566MM	3	**A**
N4.7726	67	Elet. Clutch	ELETTROMAGNETIC CLUTCH	1	**E**
N5.2375	68	Microswitch	MICROSWITCH OMRON D3V-166-M1C5	5	**C**
N5.2635	69	Photocell	PHOTOCELL RX8/00-1A	1	**A**
N5.2638	69	Photocell	PHOTOCELL (BLACK FILM)	1	**A**
N5.2651	69	Photocell	PHOTOCELL (BLACK GOODS)+SUPPORT **FS3.2224**	1	**A**
N5.6701	70	Clamp	CLAMP 12 POLES	2	**E**

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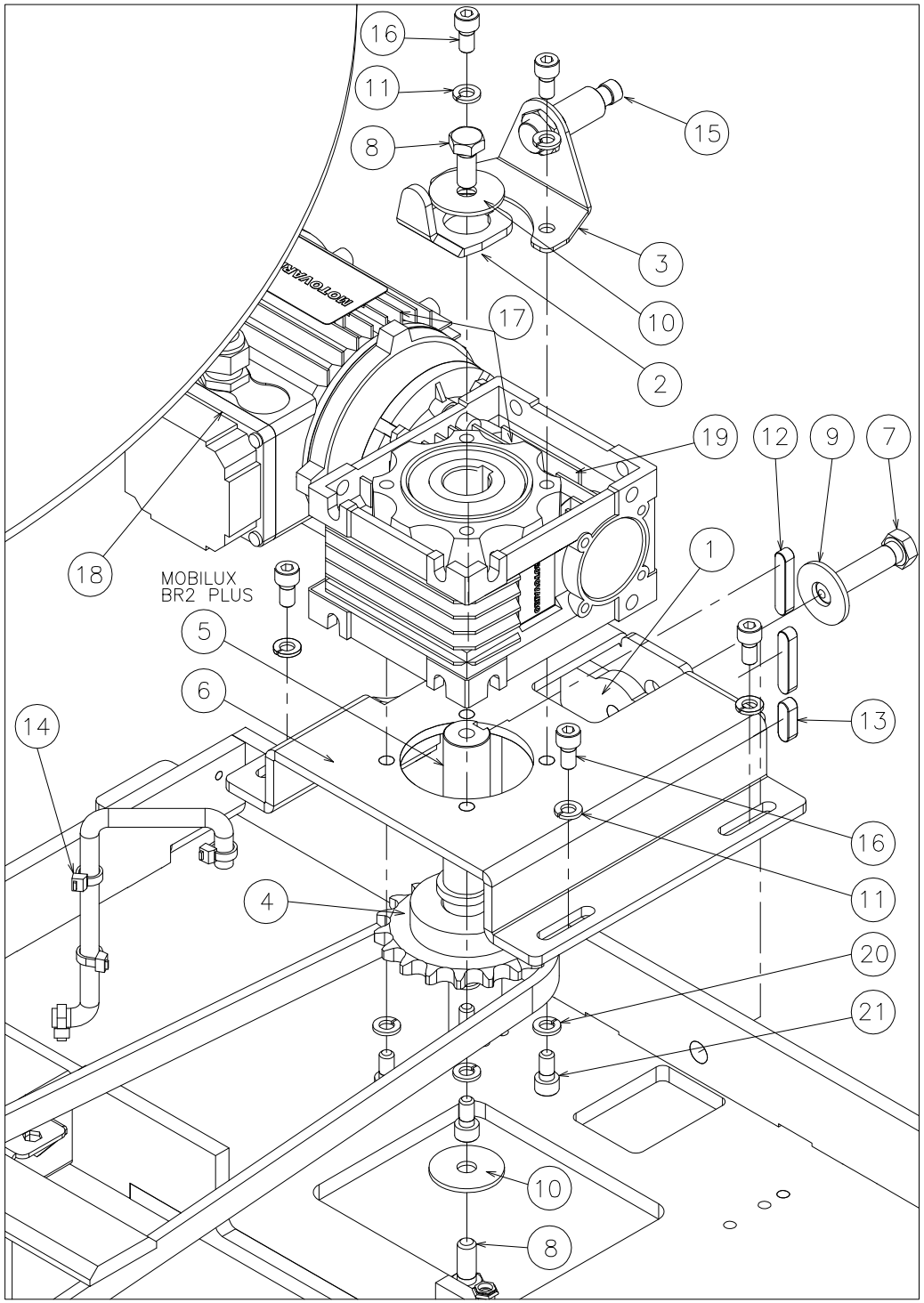

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16.8670A

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16.8670A Standard motor group FS3.0214A

Part no.	RIF	Description	Specification English	Quantity	Maintenance
FS3.2085	1	Plate	PLATE TO STRETCH THE CHAIN OF THE BASE UNIT	1	
FS3.2088	2	Bracket	BRACKET SHAFT BASE UNIT	1	
FS3.2089	3	Bracket	BRACKET SUPPORT SENSOR BASE UNIT	1	**E**
FS3.2103	4	Pinion	PINION 5/8"x3/8" Z=18	1	
FS3.2104	5	Shaft	SHAFT GEARBOX	1	
FS3.2169	6	Bracket	BRACKET FOR THE SUPPORT OF THE GEARBOX	1	
N1.1440	7	Bolt	HEXAGON HEAD BOLT DIN 933 - M12 x 55 ZINCED	1	**B**
N1.1546	8	Bolt	HEXAGONAL HEAD CAP BOLT M10x25 ZN DIN 933	2	**B**
N1.6188	9	Washer	PLAIN WASHER DIN 9021 M12 ZINCED	1	
N1.6196	10	Washer	WASHER 10.5x40x2.5	2	
N1.6215	11	Washer/Lock	SPRING LOCK WASHER DIN 127 -B- M8	6	
N2.3308	12	Key	KEY 8x7x40 UNI 6604	2	
N2.3314	13	Key	KEY 8x7x25 UNI 6604	1	
N2.7201	14	Plastic Tie	PLASTIC TIE 170 x 4.8	4	
N5.2554	15	Proximity	PROXIMITY M18 PNP NO CONN. M12	1	**E**
N11.1102	16	Bolt	CYLINDRICAL HEAD CAP SCREW M8x16 ZN UNI 5931	6	**B**
GROUP MOTORGEAR FS31x (VALID UNTIL SERIAL NUMBER MACHINE 03.00001)					
N51.1104	17	Motor/Gear	GEARBOX IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N51.1103	18	Motor	MOTOR IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N4.7645	19	Gear	GEAR NMRV_050_40,00_14*105_25_U_MV	1	**B-C**
GROUP MOTORGEAR FS33x (VALID UNTIL SERIAL NUMBER MACHINE 03.00003)					
N51.1104	17	Motor/Gear	GEARBOX IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N51.1103	18	Motor	MOTOR IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N4.7645	19	Gear	GEAR NMRV_050_40,00_14*105_25_U_MV	1	**B-C**
N51.1118	17	Motor/Gear	MOTOR/GEAR (ONLY FOR SPECIAL MACHINE -25°C)	1	**B-C**
N1.1589	20	Bolt	HEXAGONAL HEAD CAP BOLT M8x18 ZN DIN 933	4	
N1.6164	21	Washer	PLAIN WASHER DIN 125A M8 ZINCED	4	

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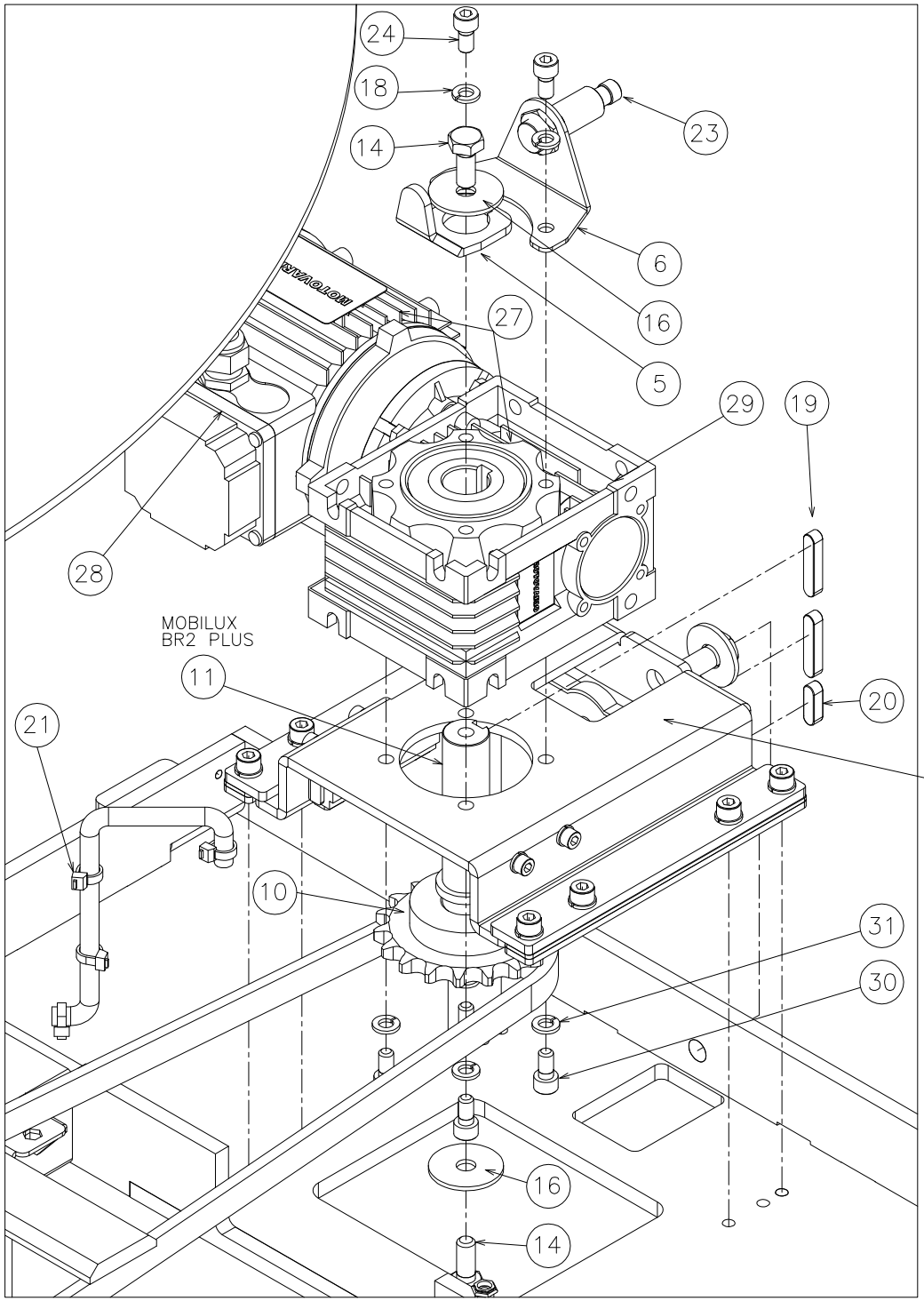

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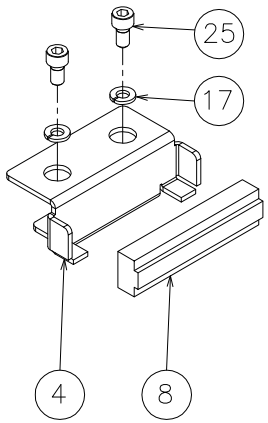

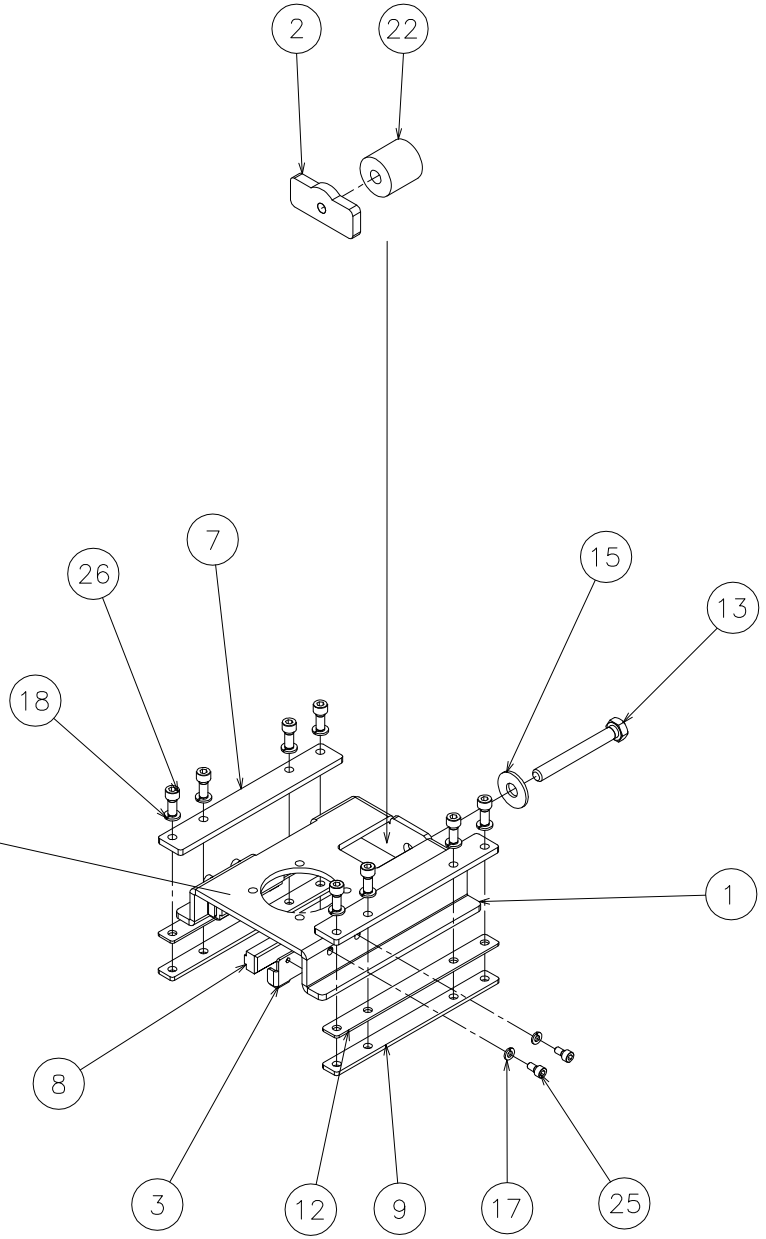

16.8671A

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16.8671A Motor group with shock-absorber FS3.0207A

Part no.	RIF.	Description	Specification English	Quantity	Maintenance
FS3.2084	1	Bracket	BRACKET SUPPORT GEARBOX BASE UNIT	1	
FS3.2085	2	Plate	PLATE TO STRETCH THE CHAIN OF THE BASE UNIT	1	
FS3.2086	3	Bracket	SUPPORT POLIZENE UNDER THE GEARBOX	2	
FS3.2087	4	Bracket	BRACKET SUPPORT POLIZENE UNDER THE DISK	2	
FS3.2088	5	Bracket	BRACKET SHAFT BASE UNIT	1	
FS3.2089	6	Bracket	BRACKET SUPPORT SENSOR BASE UNIT	1	**E**
FS3.2095	7	Plate	SLIDE FOR SUPPORT OF THE GEARBOX, TH. 6MM	2	
FS3.2097	8	Polizene	POLIZENE FOR MOTOR PINION/CENTRAL GEAR	4	**C**
FS3.2102	9	Plate	SLIDE FOR SUPPORT OF THE GEARBOX, TH. 4MM	2	
FS3.2103	10	Pinion	PINION 5/8"x3/8" Z=18	1	
FS3.2104	11	Shaft	SHAFT GEARBOX	1	
FS3.2145	12	Plate	SLIDE FOR SUPPORT OF THE GEARBOX, TH.S 2.5MM	2	
N1.1542	13	Bolt	HEXAGON HEAD BOLT DIN 933 - M12 x 100 ZINCED	1	**B**
N1.1546	14	Bolt	HEXAGON HEAD BOLT DIN 933 - M10 x 25 ZINCED	2	**B**
N1.6188	15	Washer	PLAIN WASHER DIN 9021 M12 ZINCED	1	
N1.6196	16	Washer	WASHER 10.5x40x2.5	2	
N1.6204	17	Washer/Lock	SPRING LOCK WASHER DIN 127 -B- M6	8	
N1.6215	18	Washer/Lock	SPRING LOCK WASHER DIN 127 -B- M8	14	
N2.3308	19	Key	KEY 8x7x40 UNI 6604	2	
N2.3314	20	Key	KEY 8x7x25 UNI 6604	1	
N2.7201	21	Plastic Tie	PLASTIC TIE 170 x 4.8	4	
N4.1804	22	Spring	POLIURETANIC SPRING	1	**C**
N5.2554	23	Proximity	PROXIMITY M18 PNP NO CONN. M12	1	**E**
N11.1102	24	Bolt	CYLINDRICAL HEAD CAP SCREW M8x16 ZN UNI 5931	6	**B**
N11.1135	25	Screw	CYLINDRICAL HEAD CAP SCREW M6x12 ZN UNI 5931	8	**B**
N11.1141	26	Bolt	CYLINDRICAL HEAD CAP SCREW M8x20 ZN UNI 5931	8	**B**
GROUP MOTORGEAR FS31x (VALID UNTIL SERIAL NUMBER MACHINE 03.00001)					
N51.1104	27	Motor/Gear	GEARBOX IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N51.1103	28	Motor	MOTOR IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N4.7645	29	Gear	GEAR NMRV_050_40,00_14*105_25_U_MV	1	**B-C**
GROUP MOTORGEAR FS33x (VALID UNTIL SERIAL NUMBER MACHINE 03.00003)					
N51.1104	27	Motor/Gear	GEARBOX IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N51.1103	28	Motor	MOTOR IEC 71 0.55KW/4 POLES 230/400V 50Hz	1	**B-C**
N4.7645	29	Gear	GEAR NMRV_050_40,00_14*105_25_U_MV	1	**B-C**
N51.1118	27	Motor/Gear	MOTOR/GEAR (ONLY FOR SPECIAL MACHINE -25°C)	1	**B-C**
N1.1589	30	Bolt	HEXAGONAL HEAD CAP BOLT M8x18 ZN DIN 933	4	
N1.6164	31	Washer	PLAIN WASHER DIN 125A M8 ZINCED	4	