

Annex

4-Post Alignment Lift

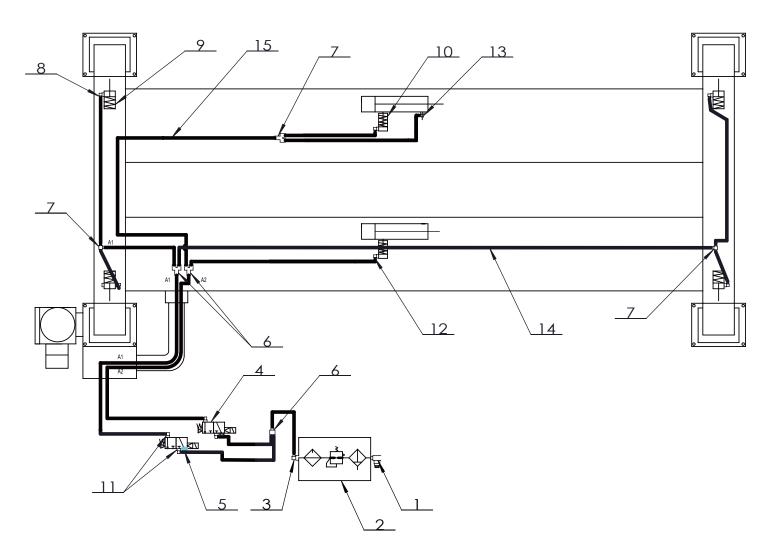
SM65-60/55/51,SM55LT-51

Table of Contents	
Pneumatic circuit diagram	2
Electric wiring diagram	5
Hydraulic circuit diagram	8
Parts break down	12
Spare parts list	40



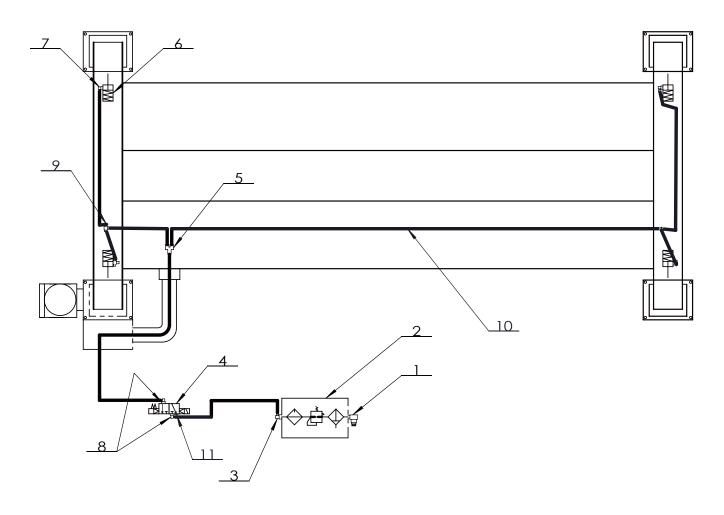
I. Pneumatic circuit diagram For SM65-60/55/51,SM55LT-51

1. The Pneumatic circuit diagram for SM55LT



Item	PartNo.	Description	Oty	Remark
1	EPL8-N02	Air fitting	1	
2	S130080	Air maintenance	1	
3	EPL6-N02	Air Fitting	1	
4	3V210-06AC24V	Exchange valve	2	
5	PSV-01	Silencer	2	
6	SPE-6	Air Fitting	3	
7	SPY-6	Air Fitting	3	
8	EPL6-N01	Fitting	4	
9	S130061	Air cylinder	4	
10	CJPB-15*10	Air cylinder	2	
11	SPL6-01	Air fitting	4	
12	SPL6-M5	Air fitting	2	
13	EPL6-G02	Fitting	1	
14	SM40-9801-2	Air line (L=15000mm)	1	for one lift
15		Blue PUAir line (L=10000mm)	1	for one lift

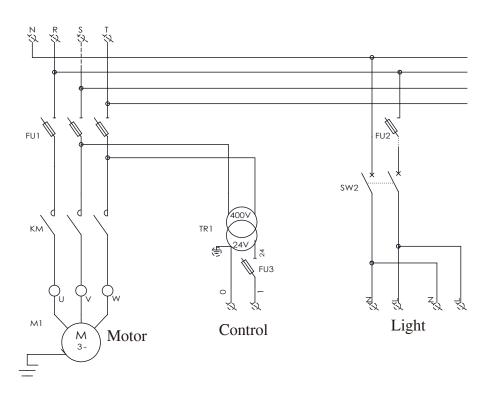
2. The Pneumatic circuit diagram for SM65-60/55/51



Item	PartNo.	Description	Oty	Remark
1	EPL8-N02	Air fitting	1	
2	S130080	Air maintenance	1	
3	EPL6-N02	Air Fitting	1	
4	3V210-06AC24V	Exchange valve	1	
5	SPE-6	Fitting	3	
6	S130061	Air cylinder	4	
7	EPL6-N01	Fitting	4	
8	SPL6-01	Air fitting	2	
9	SPY-6	Air fitting	2	
10	NSM40-9801-2	Air line(φ6) L=15000	1	for one lift
11	PSV-01	Silencer	1	

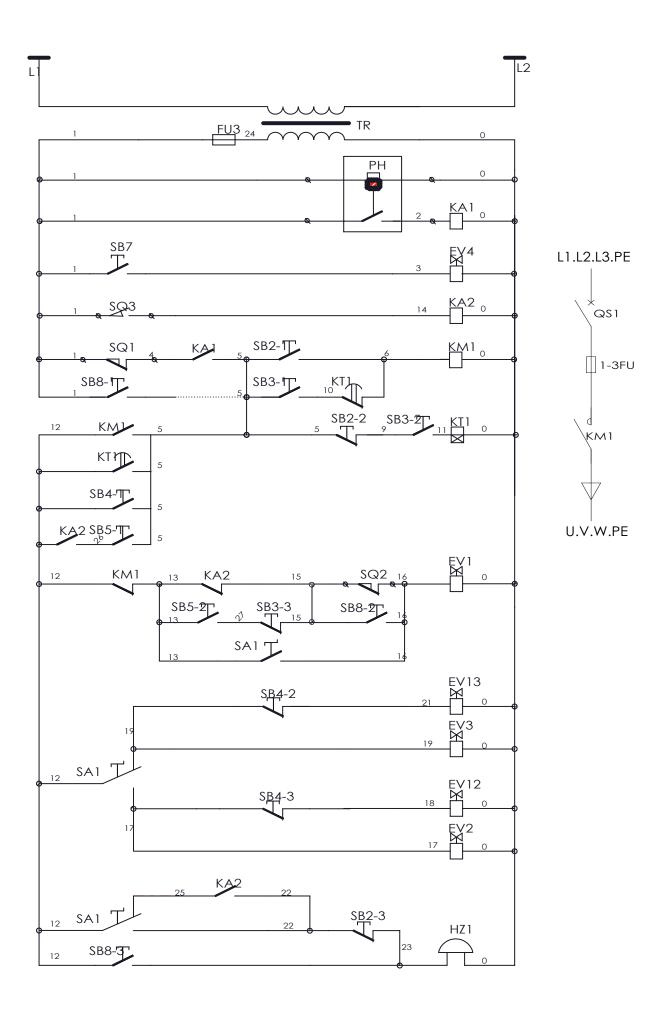
II. Electric wiring diagram For SM65-60/55/51,SM55LT-51

1. An Electric schematic diagram for SM65&SM55LT



2. Two Electric schematic diagram for SM55LT-51 Table for electrical components

SB7	Oil supplementary valve	FU1	Fuse 16A
SB2	Up button	FU2	Fuse 2A
SB3	Down button	FU3	Fuse 6A
SB4	Padlock button	KM1	Contactor
SB8	Emergency Button of help	QS1	Main switch
SB5	Final lowering button	SQ1	Broken cable switch
SA1	Selector switch aux/main	SQ2	Slack cable switch
KA1-KA3	Intermediate relay	SQ3	Low switch
KT1	Time relay	PH	Photoelectric switch
HZ1	Buzzer	EV1	Oil relief valve
EV2	Access valve /aux	EV12	Air valve /aux
EV3	Acess valve /main	EV13	Air valve/main



3. Two Electric schematic diagram for SM65-60/55/51

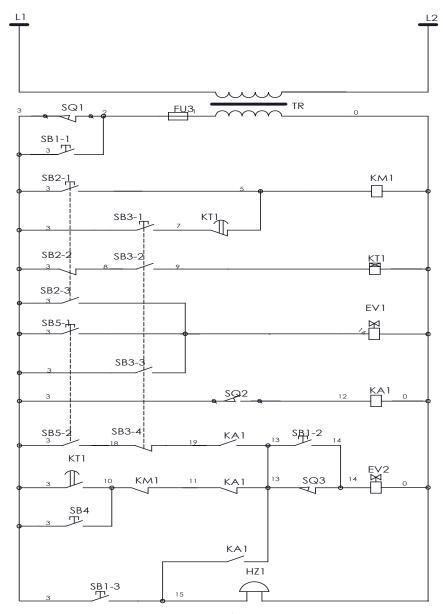
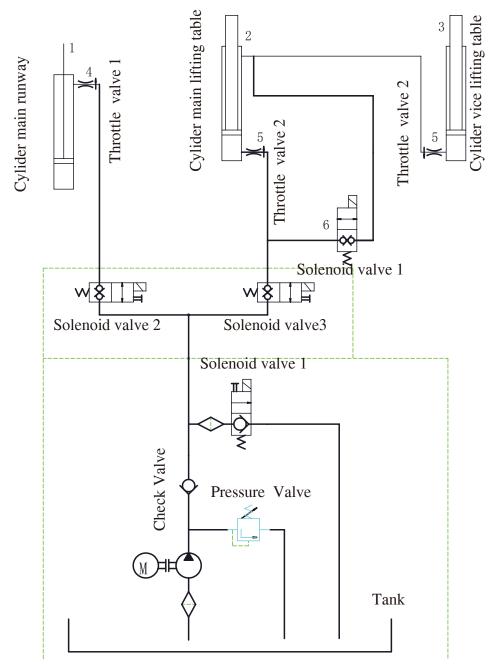


Table for electrical components

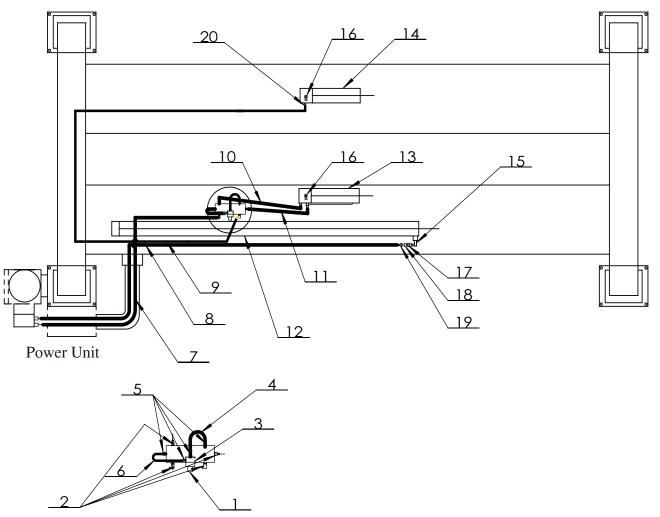
SB1	Emergency button for help	FU1	Fuse 16A
SB2	Up button	FU2	Fuse 2A
SB3	Down button	FU3	Fuse 6A
SB4	Padlock button	KM1	Contactor
SB5	Final lowering button	QS1	Main switch
HZ1	Buzzer	SQ1	Broken cable switch
KT1	Timer relay	SQ3	Slack cable switch
KA1	Intermediate relay	SQ2	Low switch
_			

III. Hydraulic circuit diagram For SM65-60/55/51,SM55LT-51

1. The Hydraulic circuit schema for SM55LT-51

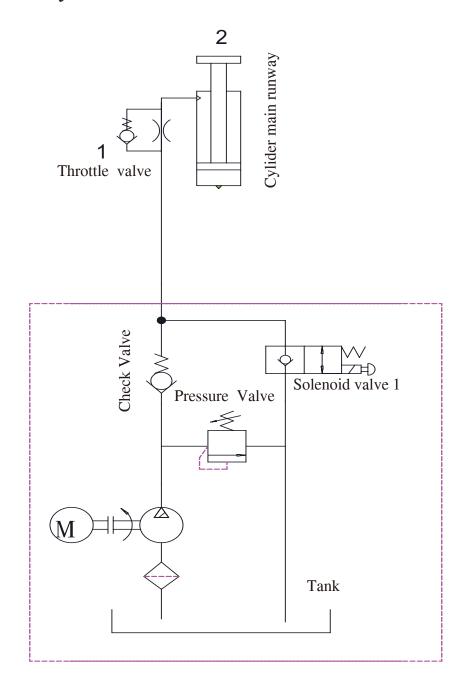


Item	PartNo.	Description	Qty	Remark
1	SM65-9100	Cylinder for main runway	1	
2	R520-ZY1	Cylinder for main lifting table	1	
3	R520-ZY2	Cylider for vice lifting table	1	
4.1	IFC-6T-10	Throttle valve	1	
4.2	I12-9802-2.1	Valve block	1	
5	XG130077	Throttle valve 2	2	in the cylinder
6	LSV-08-2NCSP-LM-2H	Solenoid valve 1	1	in the runway

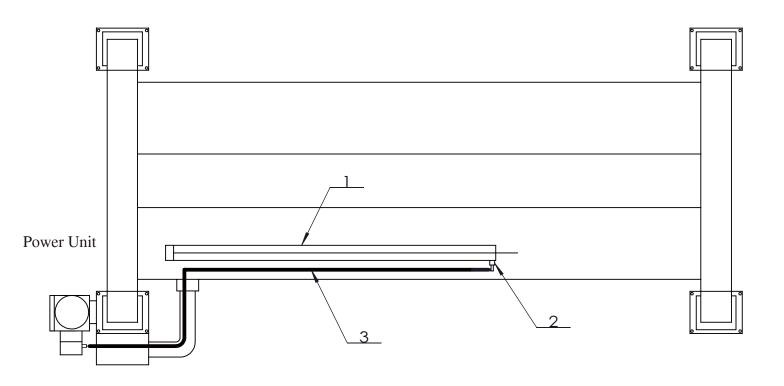


Item	PartNo.	Description	Oty	Remark
1	LSV-08-2NCSP-LM-2H	Solenoid valve	1	DC24V
2	WR-001	Fitting	4	
3	PV4-9102	Valve block	1	
4	PV4-9104	Steel hose	1	
5	E10	Fitting	4	
6	PV4-9103	Steel hose	1	
7	SM50-9801-2	Hose (3630mm)to lifting table	1	
8	SM50-9801-4	Hose (4500mm) to main lift	1	
9	SM50-9801-1	Hose (5570mm)	1	
10	SM50-9801-3	Hose (2000mm)	1	
11	SM50-9801-5	Hose (1900mm)	1	
12	SM65-9100	Main cylinder	1	
13	R520-ZY1	Main cylinder of lifting table	1	
14	R520-ZY2	Vice cylinder og lifting table	1	
15	SM55-9802-1	Fitting	1	
16	XG130077	Throttle valve	2	In the cylinder
17	IFC-6T-10	Throttle valve	1	
18	I12-9802-2.1	Valve block	1	
19	SVW6353-9802-1	Fitting	1	
20	C30N-9802-1	Fitting	3	

2. The Hydraulic circuit schema for SM65-60/55/51

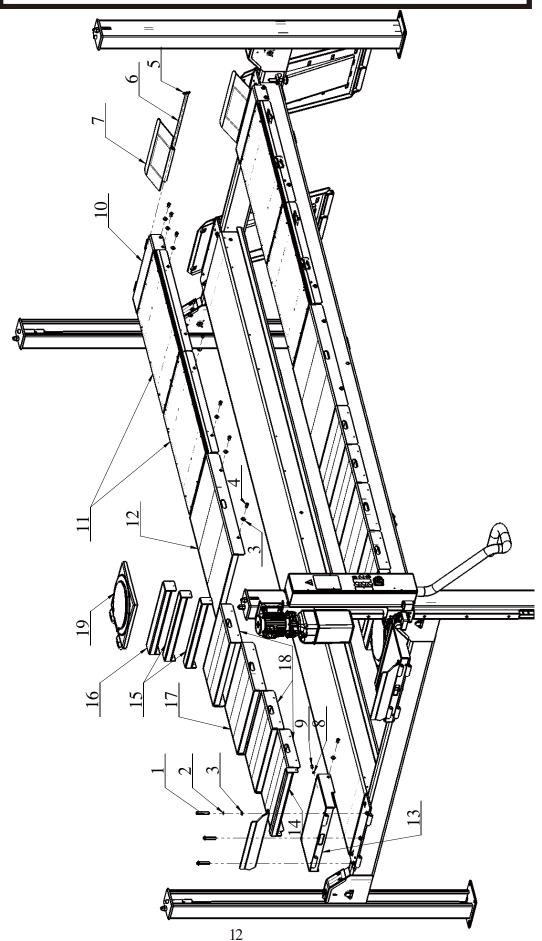


Item	PartNo.	Description	Qty	Remark
1	SM60-9200	Throttle valve	1	
2	SM65-9100	Cylinder	1	

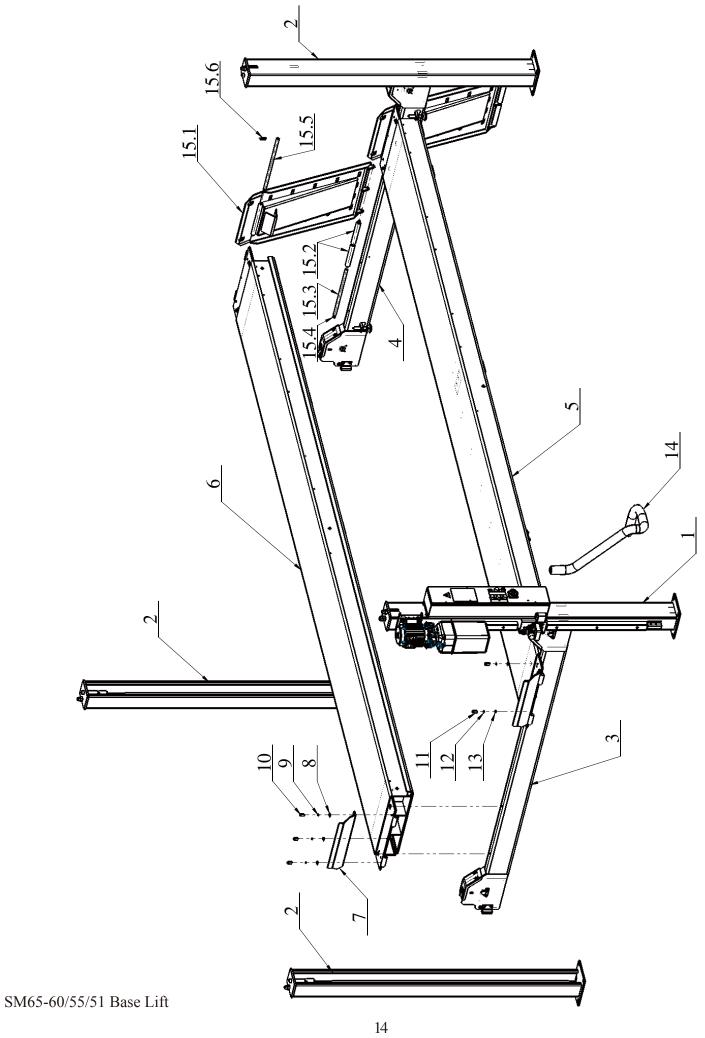


Item	PartNo.	Description	Oty	Remark
1	SM65-9100	Cylinder	1	
2	SM60-9200	Throttle valve	1	
	SM65-9801-2	Hose	1	for SM65-60
3	SM65-9801-3	Hose	1	for SM65-55
	SM65-9801-4	Hose	1	for SM65-51

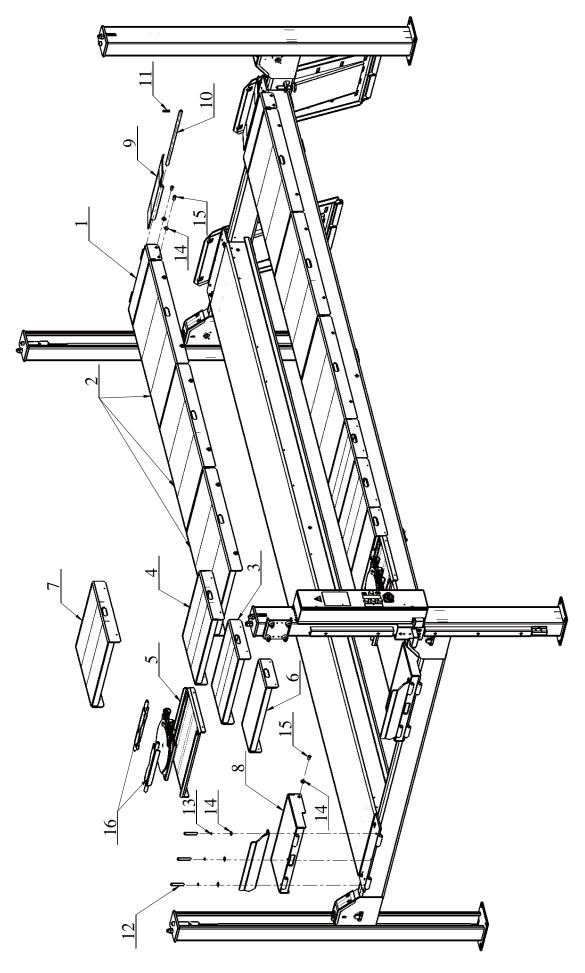
Annex IV. Parts Break Down For SM65-60/55/51,SM55LT-51



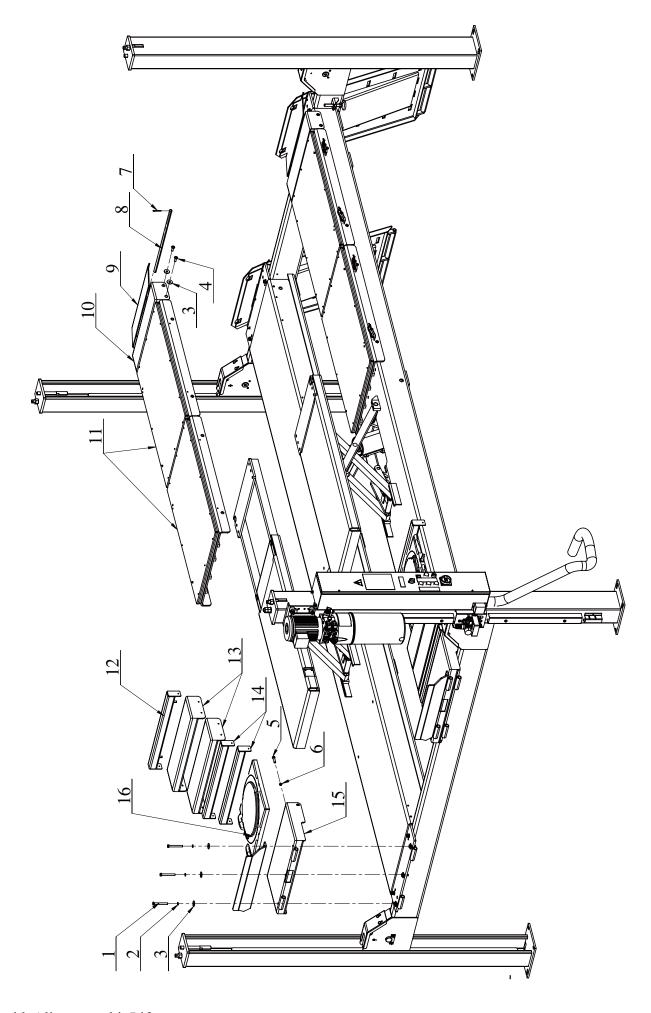
	Detail for PB-SM65-1				
	PartNo.	Description	Qty		
1	B12-10*90	Hexagon bolt M10*90 10.9 grand	6		
2	B40-10	Spring washer φ10	6		
3	B42-10	Big flat washer φ10	38		
4	B23-10*30	Cross recessed pan head screw M10*30	32		
5	B52-5*40	Cotter pin φ5*40	4		
6	MOT40-1503	Shaft	2		
7	SM60-1338G	Stop runway weldment	2		
8	B30-8	Nut M8	6		
9	B10-8*40	Hexagon bolt M8*40	6		
10	SM65-2300G	Fixed weldment	2		
11	SM65-2000G	Slip plates assembly	4		
12	SM65-2400G	Long fixed weldment (1050mm)	2		
13	SM65-2700B	End fixed weldment	2		
14	SM55LT-51-2200	50mm filler weldment	2		
15	SM65-60-2500	70mm filler weldment	4		
16	SM65-60-2600	100mm filler weldment	2		
		500mm filler weldment for SM65-51	0		
17	SM65-2600G	500mm filler weldment for SM65-55	0		
		500mm filler weldment for SM65-60	2		
		400mm filler weldment for SM65-51	4		
18	SM65-2500G	400mm filler weldment for SM65-55	6		
		400mm filler weldment for SM65-60	6		
19	Turn table (50mm height)	Optional accessories(just for show)	0		



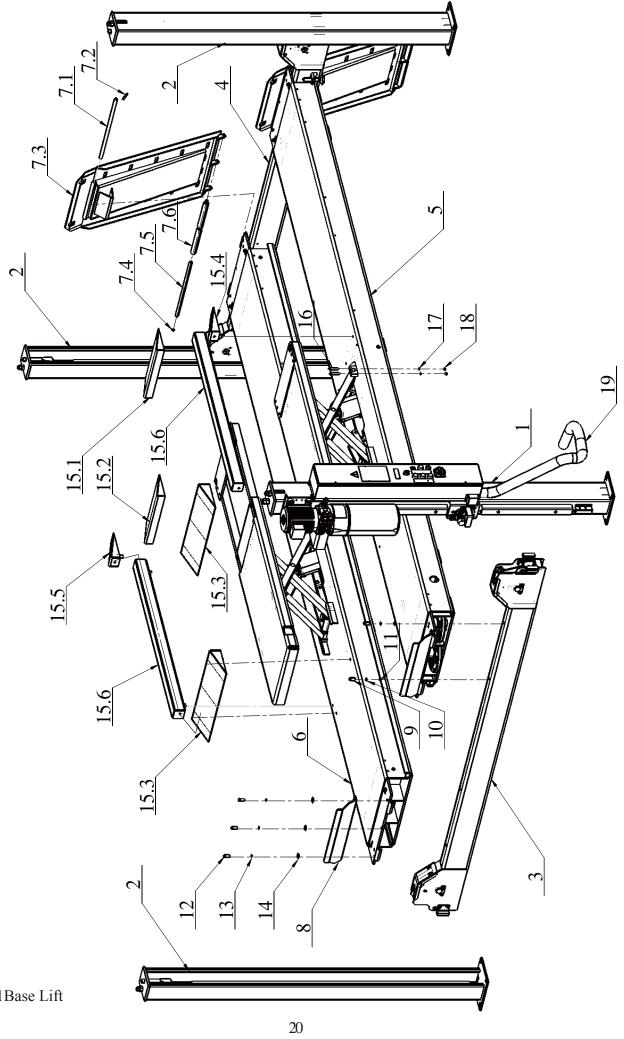
	Detail f	for PB-SM65-2	
	PartNo.	Description	Qty
1	MOT40-1100	PU column weldment	1
2	MOT40-1200	Vice column weldment	3
3	SM65-60-1400ZP	PU crossbeam assembly	1
	SM65-60-1400	PU crossbeam weldment	1
4	SM65-60-1500ZP	Vice crossbeam assembly	1
4	SM65-60-1500	Vice crossbeam weldment	1
	SM65-60-1100ZP	Mian runway assembly(SM65-60)	1
	SM65-60-1100	Mian runway weldment(SM65-60)	
5	SM65-55-1100NZP	Mian runway assembly(SM65-55)	-1
)	SM65-55-1100N	Mian runway weldment(SM65-55)	
	SM65-51-1100NZP	Mian runway assembly(SM65-51)	
	SM65-51-1100N	Mian runway weldment(SM65-51)	1
	SM65-60-1200	Vice runway weldment(SM65-60)	1
6	SM65-55-1200N	Vice runway weldment(SM65-55)	1
	SM65-51-1200N	Vice runway weldment(SM65-51)	1
7	SM65-1131G	Wheel stop	1
8	B42-10	Big flat washer φ10	6
9	B40-10	Spring washer φ10	6
10	B12-10*30	Hexagon bolt M10*30 10.9 grand	6
11	B12-12*30	Hexagon bolt M12*30 10.9 grand	8
12	B40-12	Spring washer φ12	8
13	B41-12	Flat washer φ12	8
14	B91-2*1600	Flxeible pipe	1
15	MOT40-1500ZP	Drive on ramp assembly	2
15.1	MOT40-1500	Ramp weldment	2
15.2	FC5992Y	Nylon roller	4
15.3	FC5991Y	Shaft	2
15.4	B60-16	Circlips for shaft φ16	4
15.5	MOT40-1503	Shaft	2
15.6	B52-5*40	Cotter pin φ5*40	4



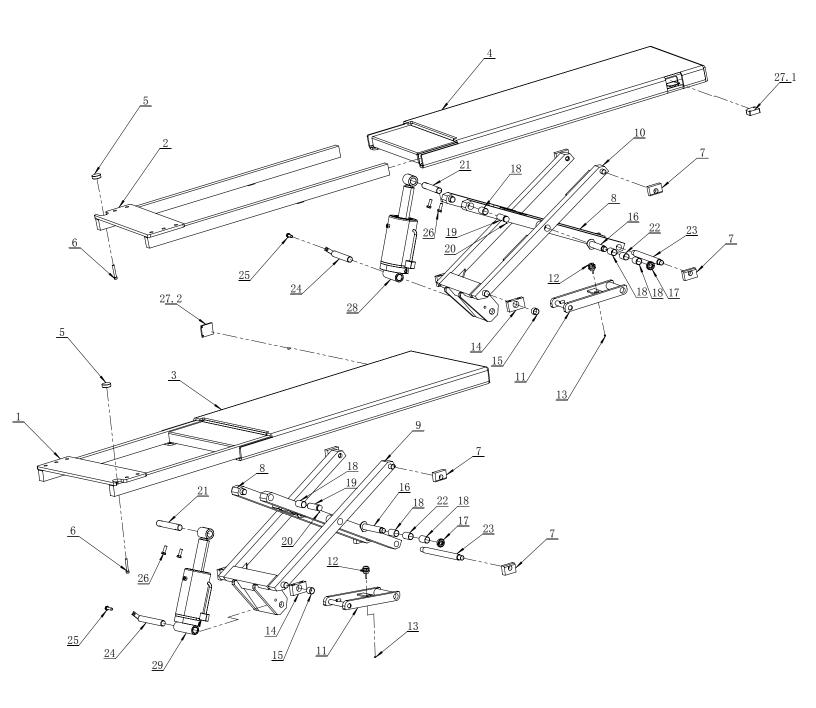
	Detail for PB-SM65-3				
	PartNo.	Description	Qty		
1	SM65-2300G	End fixed filler weldment	2		
2	SM65-2400G	Long fixed filler weldment	6		
		400mm Filler weldment(SM65-60)	2		
3	SM65-2500G	400mm Filler weldment(SM65-55)	2		
		400mm Filler weldment(SM65-51)	0		
		400mm Filler weldment(SM65-60)	2		
4	SM65-2600G	400mm Filler weldment(SM65-55)	0		
		400mm Filler weldment(SM65-51)	0		
5	SM65-60-2100	Baseplate weldment	2		
6	SM65-60-2200	290mm Filler weldment	2		
7	SM65-60-2300	620mm Filler weldment	1		
8	SM65-2700B	End fixed filler weldment	2		
9	SM60-1338G	Wheel stop	2		
10	MOT40-1503	Shaft	2		
11	B52-5*40	Cotter pin φ5*40	4		
12	B12-10*90	Hexagon bolt M10*90 10.9 grand	6		
13	B40-10	Spring washer φ10	6		
14	B42-10	Big flat washer φ10	42		
15	B23-10*30	Cross recessed pan head screw M10*30	36		
16	FC7117Y	Bridge of turn table	4		
17	Turn table (38mm height)	Optional accessories (just for show)	0		



	Detail for PB-SM65-4			
	PartNo.	Description	Qty	
1	B12-10*90	Hexagon bolt M10*90 10.9grand	6	
2	B40-10	Spring washer φ10	6	
3	B42-10	Big flat washer φ10	34	
4	B23-10*30	Cross recessed pan head screw M10*30	28	
5	B10-8*40	Hexagon bolt M8*40	6	
6	B30-8	Nut M8	6	
7	B52-5*40	Cotter pin φ5*40	4	
8	MOT40-1503	Shaft	2	
9	SM60-1338G	Stop runway weldment	2	
10	SM55LT-51-2300G	Fixed filler weldment	2	
11	SM65-2000G	Slip plates assembly	4	
12	SM55LT-51-2100	Fixed filler weldment	2	
13	SM55LT-51-2400	200mm filler weldment	4	
14	SM55LT-51-2200	50mm filler weldment	4	
15	SM55LT-51-2500G	End fixed weldment	2	
16	Turn table (50mm height)	Optinal accessories (just for show)	2	
17	SM65-60-2500	70mm filler weldment(not show)	2	
18	SM65-60-2600	100mm filler weldment (not show)	2	

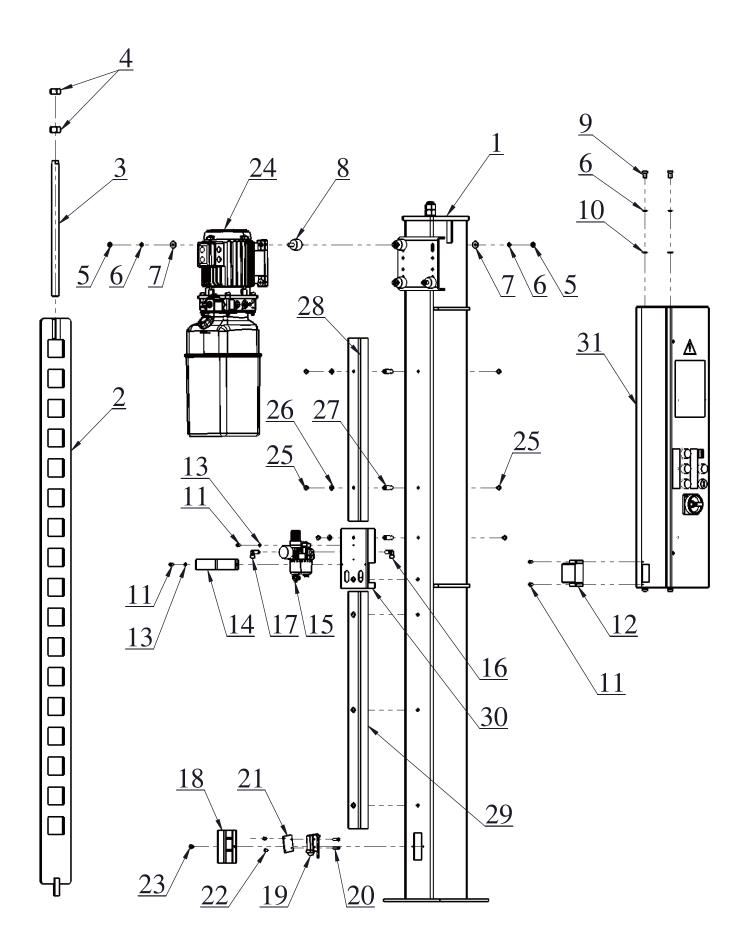


Detail for PB-SM65-5			
	PartNo.	Description	Qty
1	MOT40-1100B	PU column weldment	1
2	MOT40-1200	Vice column weldment	3
3	SM65-60-1600ZP	PU crossbeam assembly	1
3	SM65-60-1600	PU crossbeam weldment	1
4	SM65-60-1500ZP	Vice crossbeam assembly	$\begin{vmatrix} & & 1 & 1 \end{vmatrix}$
_ +	SM65-60-1500	Vice crossbeam weldment	
	SM55LT-51-1000NZP	Main runway assembly with lifting table	
5 [SM55LT-51-1100NZP	Main runway assembly(no lifting table)	1
	SM55LT-51-1100N	Main runway weldment	
	SM55LT-51-1200NZP	Vice runway assembly with lifting table	1
6	SM55LT-51-1200N	Vice runway weldment(no lifting table)	
7	MOT40-1500ZP	Ramp assembly	2
7.1	MOT40-1503	Shaft	2
7.2	B52-5*40	Cotter pin φ5*40	4
7.3	MOT40-1500	Ramp weldment	2
7.4	B60-16	Circlips for shaft φ16	4
7.5	FC5991Y	shaft	2
7.6	FC5992Y	Nylon tube	4
8	SM65-1131G	Wheel stop	2
9	B12-12*30	Hexagon bolt M12*30 10.9 galvanize	8
10	B40-12	Lock washer φ12	8
11	B41-12	Flat washer φ12	8
12	B12-10*30	Hexagon bolt M10*30 10.9 galvanize	6
13	B40-10	Lock washer φ10	6
14	B41-10	Flat washer φ10	6
15	LRMP-SM55LT	Ramp kit for lifting table	1
15.1	SM55LT-51-1800-1	Lifting table ramp weldment	1
15.2	SM55LT-51-1800-2	Lifting table ramp weldment	1
15.3	SM55LT-51-1800-3	Lifting table ramp weldment	2
15.4	SM55LT-51-1800-4	Lifting table ramp weldment	1
15.5	SM55LT-51-1800-4DC	Lifting table ramp weldment	1
15.6	SM55LT-51-1800-5	Lifting table ramp weldment	2
16	B202-8*60	Hexagon socket cap screwM8*60 8.8grand	4
17	B41-8	Flat washer φ8	4
18	B33-8	Nylon lock nut M8	4
19	B91-2*1600	Flexible pipe	1

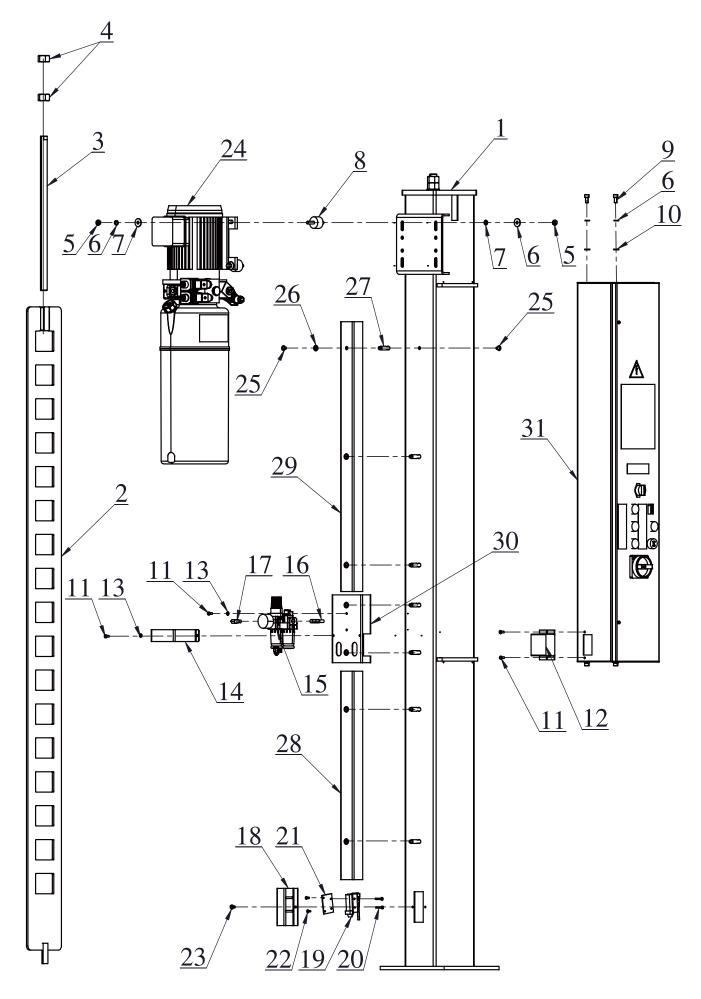


Lifting table assembly for SM55LT-51

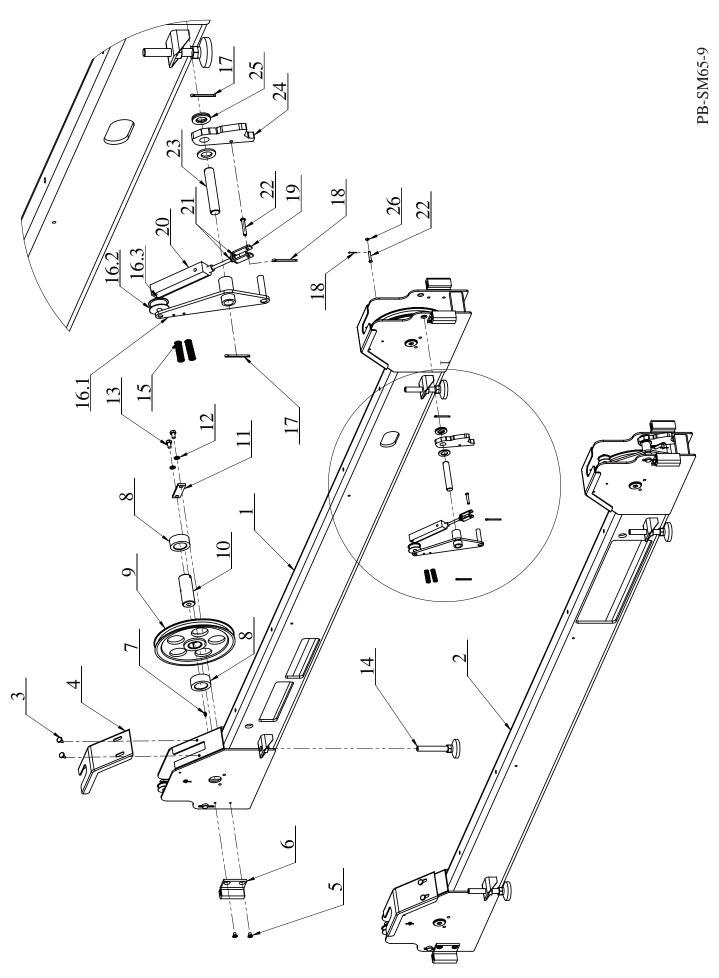
Detail for PB-SM65-6			
	PartNo.	Description	Qty
1	SM55LT-51-1700	Extension arm weldment 1	1
2	SM55LT-51-1700DC	Extension arm weldment2	1
3	SM55LT-51-1600	Lifting table weldment 1	1
4	SM55LT-51-1600DC	Lifting table weldment2	1
5	SM55LT-51-1705	Limit handle	2
6	B20-8*55	hexagon socket cap screws M8*55	2
7	SM55LT-51-1005	Slider block	8
8	SM55LT-51-1500	Inner Scissor weldment	2
9	SM55LT-51-1400A	Outside scissor weldment A	1
10	SM55LT-51-1400B	Outside scissor weldment B	1
11	SM55LT-51-1900	Lock system weldment	2
12	CJPB-15*10	Air cylinder	2
13	B35-5	Cap nut M5	2
14	SM55LT-51-1001	Fixed block	2
15	B78-2520	Bearing SF-1 2520	4
16	SM55LT-51-1003	Shaft	4
17	XG130007	Nylon Lock nut	4
18	B78-2540	Bearing SF-1 2540	12
19	SM55LT-51-1007	Shaft	4
20	B22-8*16	Six pyramid end screw set M8*16	4
21	SM55LT-51-1015	Shaft	2
22	B78-2530	Bearing SF-1 2530	
23	SM55LT-51-1006	Shaft	2
24	SM55LT-51-1008	Shaft for cylinder	2
25	B10-8*20	Hexagon bolt t M8*20	2
26	B11-10*35	Hexagon bolt M10*35 8.8 grand	4
27	LRK-5050-115	Optoelectronic switch kit	1
27.1	LRK-5050-115-1	Optoelectronic Switch	1
27.2	LRK-5050-115-2	Switch reflector	1
28	R520-ZY1	Main hydraulic cylider	1
29	R520-ZY2	Vice hydraulic cylider	1



	Detail for PB-SM65-7			
	PartNo.	Description	Qty	
1	MOT40-1100	PU columnweldment	1	
2	MOT40-1300	Latch bar weldment	1	
3	MOT40-1303	Bolt	1	
4	B30-20	Nut M20	2	
5	B30-8	Nut M8	8	
6	B40-8	Lock washer φ8	12	
7	B42-8	Big washer φ8	8	
8	PV-2005	Power unit bolt	4	
9	B20-8*16	Hexagon socket cap screwsM8*16	4	
10	B41-8	Flat washer φ8	4	
11	B23-5*12	Cross recessed pan head screwM5*12	2	
12	MOT40-1002	Cover plate	1	
13	B41-5	Flat washer φ5	4	
14	MOT40-1003	Retainer	1	
15	S130080	Air maintance	1	
16	EPL6-N02	Fitting	1	
17	EPL8-N02	Fitting	1	
18	MOT40-1001	Cover	1	
19	AZ-7120	Limit switch	1	
20	B23-4*25	Cross recessed pan head screw M4*25	2	
21	PV4-1017	switch holder	1	
22	B23-4*10	Cross recessed pan head screwM4*10	2	
23	B23-4*8	Cross recessed pan head screw M4*8	2	
24	PU	Power unit	1	
25	41659	Hexagon socket bolts with flange M6*10	14	
26	G3T-1005	Rubber washer	7	
27	G3T-1004	Stud	7	
28	MOT40-1104G	Plastic cover(615mm)	1	
29	MOT40-1003G	Plastic cover(796mm)	1	
30	MOT40-1105	Base plate for air maintance	1	
31	MOT40-1400	Control box assembly	1	

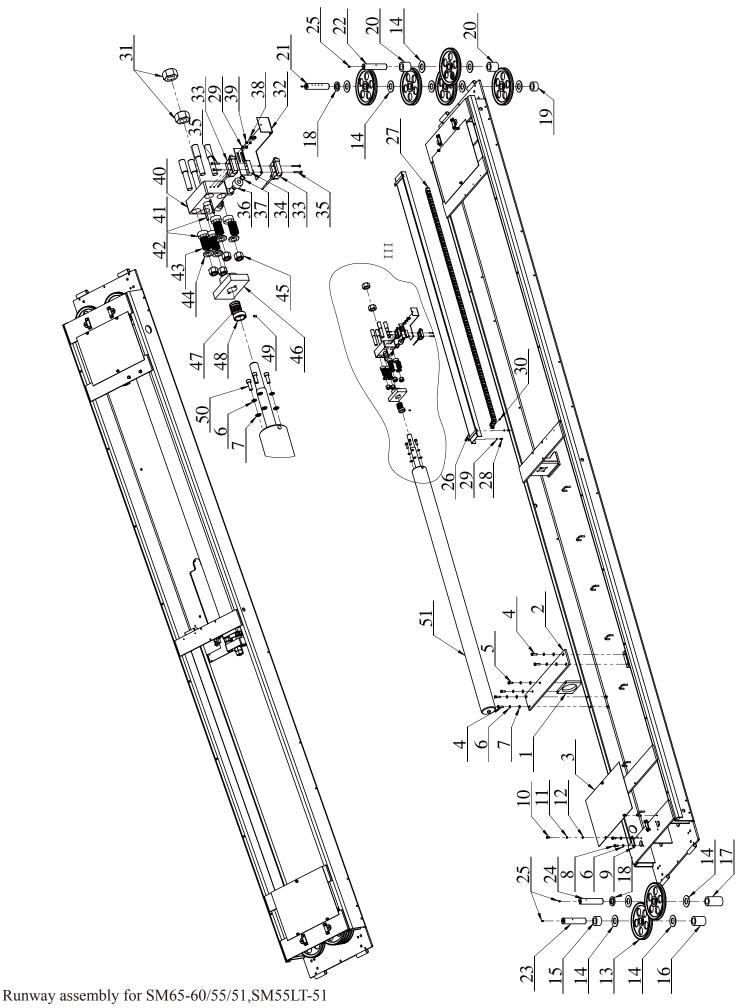


	Detail for PB-SM65-8			
	PartNo.	Description	Qty	
1	MOT40-1100B	PU columnweldment	1	
2	MOT40-1300	Latch bar weldment	1	
3	MOT40-1303	Bolt	1	
4	B30-20	Nut M20	2	
5	B30-8	Nut M8	8	
6	B40-8	Lock washer φ8	12	
7	B42-8	Big washer φ8	8	
8	PV-2005	Power unit bolt	4	
9	B20-8*16	Hexagon socket cap screwsM8*16	4	
10	B41-8	Flat washer φ8	4	
11	B23-5*12	Cross recessed pan head screwM5*12	2	
12	MOT40-1002	Cover plate	1	
13	B41-5	Flat washer φ5	4	
14	MOT40-1003	Retainer	1	
15	S130080	Air maintance	1	
16	EPL6-N02	Fitting	1	
17	EPL8-N02	Fitting	1	
18	MOT40-1001	Cover	1	
19	AZ-7120	Limit switch	1	
20	B23-4*25	Cross recessed pan head screw M4*25	2	
21	PV4-1017	switch holder	1	
22	B23-4*10	Cross recessed pan head screwM4*10	2	
23	B23-4*8	Cross recessed pan head screw M4*8	2	
24	PU	Power unit	1	
25	41659	Hexagon socket bolts with flange M6*10	14	
26	G3T-1005	Rubber washer	7	
27	G3T-1004	Stud	7	
28	MOT40-1104G	Plastic cover(615mm)	1	
29	MOT40-1003G	Plastic cover(796mm)	1	
30	MOT40-1105	Base plate for air maintance	1	
31	MOT40-1400B	Control box assembly for LT lift	1	



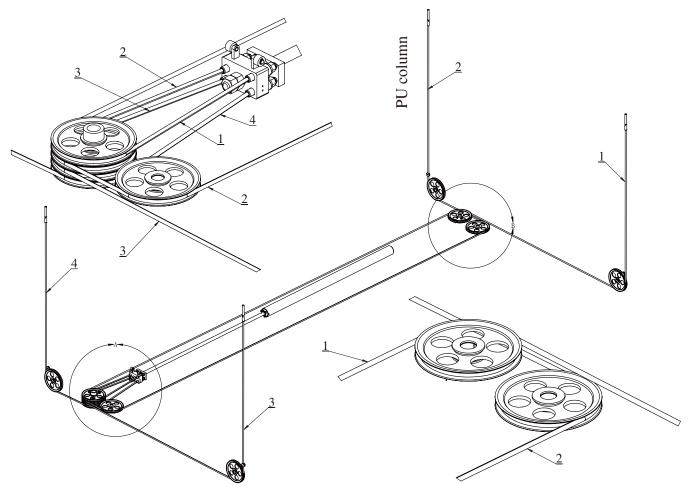
 $Crossbeam\ for\ SM65\text{-}60/55/51, SM55LT\text{-}51$

Detail for PB-SM65-9			
	PartNo.	Description	Qty
1 1	SM65-60-1400ZP	PU crossbeam assembly for SM65	1
1.1	SM65-60-1400	PU crossbeam weldment for SM65	1
1.2	SM65-60-1600ZP	PU crossbeam assembly for SM55LT	1
1.2	SM65-60-1600	PU crossbeam weldment for SM55LT	
_	SM65-60-1500ZP	Vice crossbeam assembly for SM65/55LT	1
2	SM65-60-1500	Vice crossbeam weldment for SM65/55LT	
3	460440	Plastic plug	8
4	FC5985Y	Plastic cover	4
5	B24-8*12	Cross recessed pan head screw M8*12	16
6	FC622Y	Slider block	8
7	B85-6	Oil cup M6	4
8	S130286Y	Spacer	8
9	SM65-60-1013	Sheave with bearing	4
10	SM65-60-1402	Sheave pin	4
11	H4P-3006	Lock plate	4
12	B40-10	Spring washer φ10	8
13	B10-10*16	Hexagon bolt M10*16	8
14	BMW-2300G	Adjustment bolt	4
15	FC522-25Y	Spring	8
16	S110435Y	Kicker assembly	4
16.1	S121272Y	Kicker weldment	4
16.2	FC553-21Y	Roll sleeve	4
16.3	B60-9	Circlips for shaft φ9	4
17	B52-4*40	Cotter pin 4*40	8
18	B52-2*20	Cotter pin 2*20	8
19	FC5993Y	U plate	4
20	S130061	Air cylinder	4
21	40622	Nut 1/4"-28NF	8
22	S130287Y	Pin	8
23	FC5901-7Y	Shaft	4
24	FC5986Y	Locking latch	4
25	B41-20	Flat washerφ20	8
26	B41-6	Flat washer φ6	4

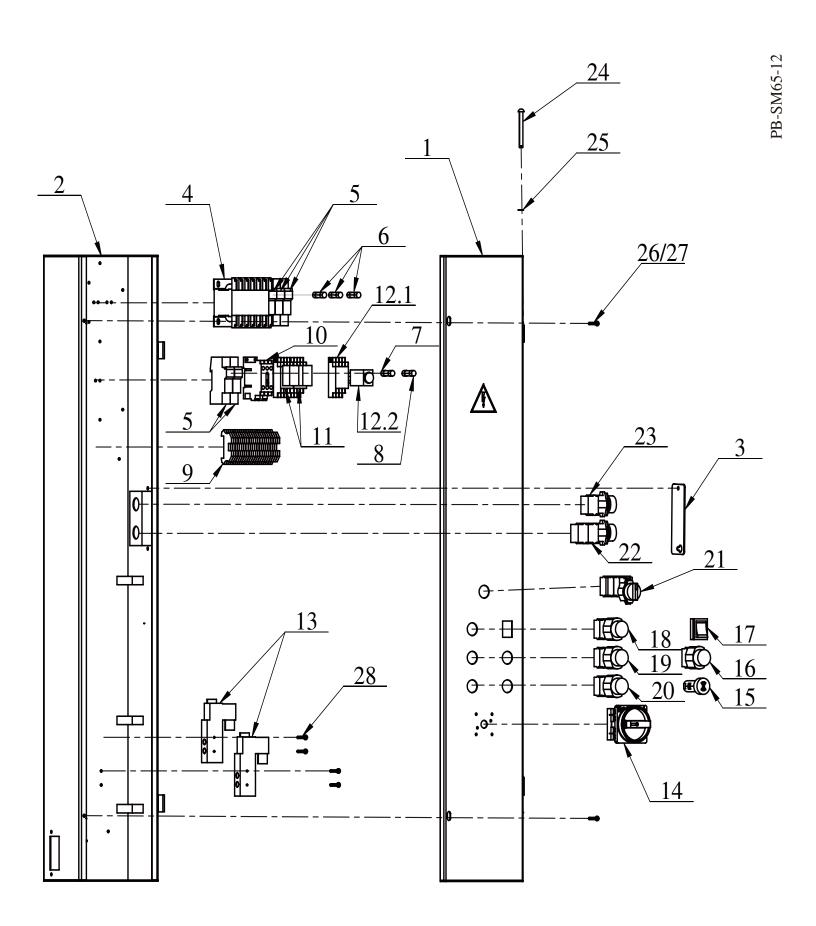


Detail for PB-SM65-10			
	PartNo.	Description	Qty
1	SM65-60-1008	Support plate	1
2	SM65-60-1109	Connect plate (Only for SM65-60/55)	1
3	SM65-60-1015	Cover plate	2
4	B11-10*35	Hexagon bolt M10*35 8.8 grade (Only for SM65-60/55)	4
5	B10-10*25	Hexagon bolt M10*25	2
6	B40-10	Spring washer φ10	18
7	B41-10	Flat washer φ10	10
8	B10-10*20	Hexagon bolt M10*20	8
9	H4P-3006	Lock plate	4
10	B20-8*16	Hexagon socket cap screw M8*16	6
11	B40-8	Spring washer φ8	6
12	B41-8	Flat washer φ8	6
13	SM65-60-1013	Sheave with bearing	7
14	S130246Y	Spacer	11
15	SM65-60-1003	Spacer(37mm)	1
16	SM65-60-1004	Spacer(81.4mm)	1
17	SM65-60-1002	Spacer(110.4mm)	1
18	SM65-60-1014	Spacer(8mm)	2
19	SM65-60-1001	Spacer(31.8mm)	1
20	SM65-60-1005	Spacer(59.2mm)	2
21	SM65-60-1012	Sheave pin	1
22	SM65-60-1011	Sheave pin	1
23	SM65-60-1009	Sheave pin	1
24	SM65-60-1010	Sheave pin	1
25	B85-6	Oil cup M6	4
26	SM65-60-1113	Support plate for drag chain	1
27	B92-25*2280	drag chain	1
28	B20-5*12	Hexagon socket cap screw M5*12	4
29	B41-5	Flat washer φ5	8
30	B23-4*8	Cross recess pan head screw M4*8	2
31	B30-30*1.5	Nut M30*1.5	2
32	SM55LT-51-1002G	Switch support plate	1

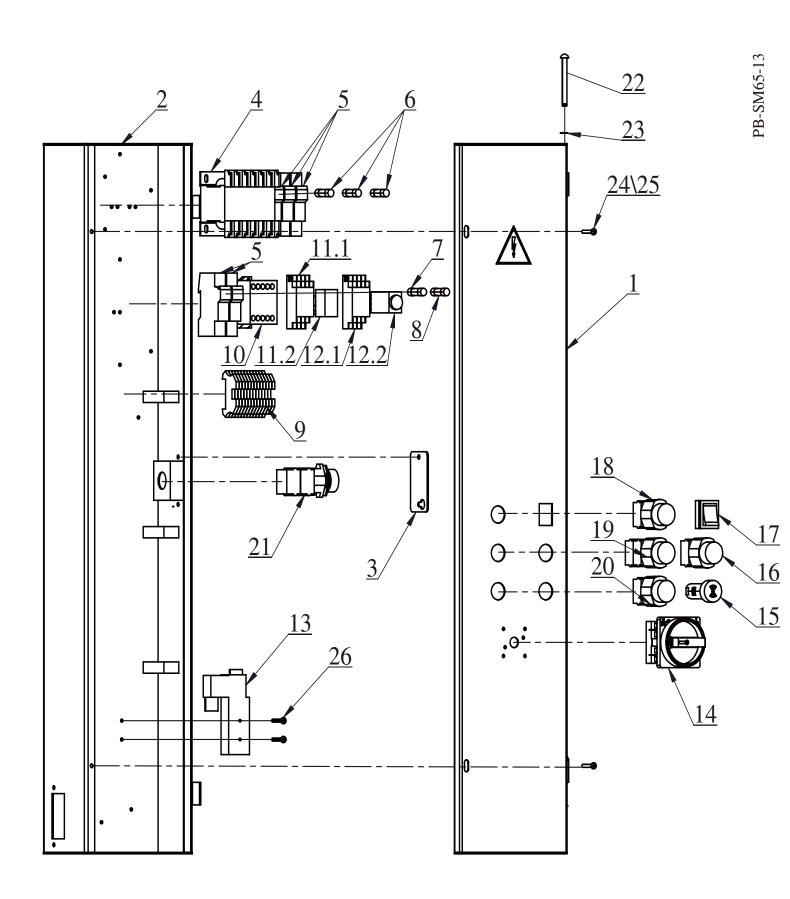
33	TZ-7166	Limit switch	2
34	PV4-3030	Aquare bar	1
35	B23-4*30	Cross recess pan head screw M4*30	4
36	SM60-1122	Roller	4
37	B60-14	Snap ring φ14	2
38	B20-5*12	Hexagon socket cap screw M5*12	2
39	B40-5	Spring washer φ5	2
40	SM65-60-1006	Cable support bar weldment	1
41	B51-6*70	Spring-type straight pin 6*70	2
42	SM60-1129	Cable lock ring	4
43	SM60-1128	Spring	4
44	SM60-1130	Cable lock ring	4
45	B33-18	Nylon lock nut M18	4
46	SM60-1125	Piston slider	1
47	SM60-1127	Spring	1
48	SM65-60-1116	Lock ring	1
49	B21-6*10	Hexagon socket screw with flat point M6*10	1
50	B20-10*35	Hexagon socket cap screw M10*35	4
51	SM65-9100	Hydraulic cylinder	1



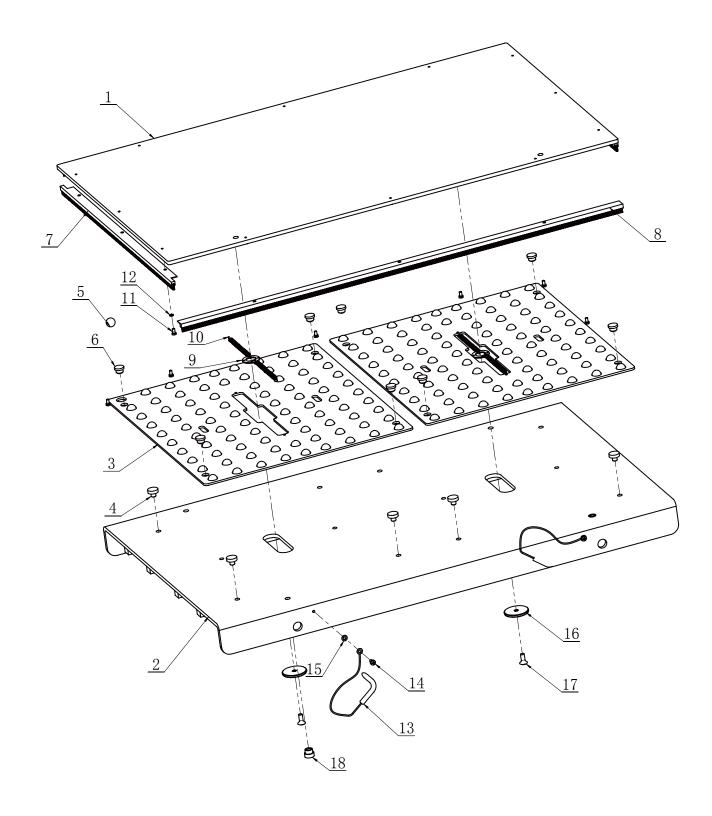
	,			
	Detail for PB-SM65-11			
	PartNo.	Description	Qty	
		SM65-60		
1	SM65-60-1016-1	Cable(11640mm)	1	
2	SM65-60-1016-2	Cable (10355mm)	1	
3	SM65-60-1016-4	Cable (5598mm)	1	
4	SM65-60-1016-3	Cable (3780mm)	1	
		SM65-55		
1	SM65-60-1016-5	Cable (11140mm)	1	
2	SM65-60-1016-6	Cable (9855mm)	1	
3	SM65-60-1016-4	Cable (5598mm)	1	
4	SM65-60-1016-3	Cable (3780mm)	1	
SM65-51				
1	SM65-60-1016-7	Cable (10740mm)	1	
2	SM65-60-1016-8	Cable (9455mm)	1	
3	SM65-60-1016-4	Cable (5598mm)	1	
4	SM65-60-1016-3	Cable (3780mm)	1	
SM55LT-51				
1	SM65-60-1016-11	Cable(10460mm)	1	
2	SM65-60-1016-12	Cable(9190mm)	1	
3	SM65-60-1016-10	Cable(5318mm)	1	
4	SM65-60-1016-9	Cable(3498mm)	1	



Detail for PB-SM65-12(MOT40-1400B)			
	PartNo.	Description	Qty
1	MOT40-1416	Control box cover weldment	1
2	MOT40-1411	Control box button weldment	1
3	PV4-1032	Cover plate	1
4	JBK3-400/230V/24V	Voltage changer	1
5	LS501	Fuse base	5
6	RT18-16	Fuse(16A)	3
7	RT18-2	Fuse(2A) left	1
8	RT18-6	Fuse(6A) right	1
9	DK2.5-22/NSM40LT	Terminals component	1
10.1	XTCG012B00B5	Contactor	1
10.2	XTCGXFAC11	Additional contact	1
11.1	FS4COECO	Intermediate relay base	2
11.2	DRM570524LT	Intermediate relay	2
12.1	RXZE1M2C	Time Relay base	1
12.2	RXL2TMB7	Time Relay	1
13	3V210-06AC24V	Exchange valve	2
14	ER254B 4P	Power switch	1
15	AD16-22SM/R	Buzzer	1
16	LA39-A2-12/G	Down to lock button	1
17	KCD1-201N/5A/250VAC	Light switch	1
18	LA39-A2-12/W	Upper button	1
19	LA39-A2-21/K	Down button	1
20	LA39-A2-20/K	Down button in danger zone	1
21	LA39-A2-32-X/K	Switch button	1
22	LA39-A2-30/R	Emergency button for help	1
23	LA39-A2-10/Y	oil supplementary button	1
24	PV4-1036	Hinge B	2
25	B60-7	Snap ring φ7	2
26	B23-5*30	Cross recess head screw M5*30	2
27	B30-5	Nut M5	4
28	B23-4*30	Cross recess head screw M4*30	4



PartNo. Description Q 1 MOT40-1406 Control box cover weldment 2 MOT40-1401 Control box button weldment 3 SM40BMW-47-3213 Cover plate 4 JBK3-400/230V/24V Voltage changer 5 LS501 Fuse base 6 RT18-16 Fuse(16A) 7 RT18-2 Fuse(2A) left 8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch 18 LA39-A
2 MOT40-1401 Control box button weldment 3 SM40BMW-47-3213 Cover plate 4 JBK3-400/230V/24V Voltage changer 5 LS501 Fuse base 6 RT18-16 Fuse(16A) 7 RT18-2 Fuse(2A) left 8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
3 SM40BMW-47-3213 Cover plate 4 JBK3-400/230V/24V Voltage changer 5 LS501 Fuse base 6 RT18-16 Fuse(16A) 7 RT18-2 Fuse(2A) left 8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
4 JBK3-400/230V/24V Voltage changer 5 LS501 Fuse base 6 RT18-16 Fuse(16A) 7 RT18-2 Fuse(2A) left 8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
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5 LS501 Fuse base 6 RT18-16 Fuse(16A) 7 RT18-2 Fuse(2A) left 8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
7 RT18-2 Fuse(2A) left 8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
8 RT18-6 Fuse(6A) right 9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
9 DK2.5-14/bmw Terminals component 10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
10 AS16-30-01-20 Contactor 11.1 FS4COECO Intermediate relay base 11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
11.1FS4COECOIntermediate relay base11.2DRM570524LTIntermediate relay12.1RXZE1M2CTime Relay base12.2RXL2TMB7Time Relay133V210-06AC24VExchange valve14ER254B 4PPower switch15AD16-22SM/RBuzzer16LA39-A2-10/GDown to lock button17KCD1-201N/5A/250VACLight switch
11.2 DRM570524LT Intermediate relay 12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
12.1 RXZE1M2C Time Relay base 12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
12.2 RXL2TMB7 Time Relay 13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
13 3V210-06AC24V Exchange valve 14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
14 ER254B 4P Power switch 15 AD16-22SM/R Buzzer 16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
16 LA39-A2-10/G Down to lock button 17 KCD1-201N/5A/250VAC Light switch
17 KCD1-201N/5A/250VAC Light switch
8
18 LA39-A2-21/W Upper button
19 LA39-A2-31/K Down button
20 LA39-A2-20/K Down button in danger zone
21 LA39-A2-30/R Emergency button
22 PV4-1036 Hinge B
23 B60-7 Snap ring φ7
24 B23-5*30 Cross recess head screw M5*30
25 B30-5 Nut M5
26 B23-4*30 Cross recess head screw M4*30



Sliding plate assembly for SM65/SM55LT Lift

	Detail for PB-SM65-14(SM65-2000G)				
Item	PartNo.	Description	Qty		
1	SM65-2100G	Weldment ,upper sliding plate	1		
2	SM65-2200G	Weldment, down sliding plate	1		
3	SM65-2001G	Rear slip plate ball retainer	2		
4	SM65-2002	Nylon bolt	8		
5	FC5190-7	Plastic ball φ19.05	168		
6	SM60-1521-1	Nylon bolt	8		
7	SM65-2006G	Dustproof brush	2		
8	SM65-2005G	Dustproof brush	2		
9	SM60-1522	Spring Support Ring	2		
10	NH4D-1011	Spring	4		
11	B23-5*10	Cross recessed pan head M5*10	12		
12	B40-5	Spring washer φ5	12		
13	H4P-7500	Fixed pin	2		
14	B23-6*10	Cross recessed pan headM6*10	2		
15	B41-6	Flat washer φ6	2		
16	SM65-2003	Nylon disk	2		
17	B26-8*25	Hexagon socket countersunk head screwsM8*16	2		
18	SM65-2007	Guide sleeve	2		

V . Spare Parts List For SM65-60/55/51,SM55LT-51

1.



Part.No	Description	Qty	Dim
SM65-60-1013 Sheave with bearing 11 Φ222*22			Ф222*22
See PB-SM65-9/10,For SM65/SM55LT-51			

2.



Part.No	Description	Qty	Dim
SM65-60-1402	Sheave pin for crossbeam	4	Φ40*102
SM65-60-1009	Sheave pin for runway	1	Ф40*180
SM65-60-1010	Sheave pin for runway	1	Ф40*180
SM65-60-1011	Sheave pin for runway	1	Φ40*180
SM65-60-1012	Sheave pin for runway	1	Φ40*180
See PB-SM65-9/10,For SM65/SM55LT-51			

3.



Part.No	Description	Qty	
LRK-5050-115	Optoelectronic switch kit	1	
LRK-5050-115-1	Optoelectronic switch	1	
LRK-5050-115-2 Switch reflector		1	
See PB-SM65-6,For SM55LT-51			

4.

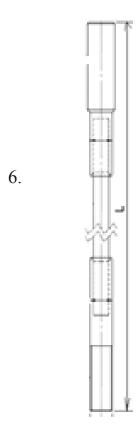


Part.No	Qty		
SM55LT-51-1005	8		
See PB-SM65-6,For SM55LT-51			

5.



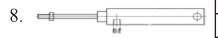
Part.No	Qty		
CJPB-15*10	2		
See PB-SM65-6,For SM55LT-51			



Part.No.	Description	Qty	Dim		
For SM65-60					
SM65-60-1016-1	Cable	1	11640mm		
SM65-60-1016-2	Cable	1	10355mm		
SM65-60-1016-3	Cable	1	3780mm		
SM65-60-1016-4	Cable	1	5598mm		
	For SM65-:	55			
SM65-60-1016-5	Cable	1	11140mm		
SM65-60-1016-6	Cable	1	9855mm		
SM65-60-1016-3	Cable	1	3780mm		
SM65-60-1016-4	Cable	1	5598mm		
For SM65-51					
SM65-60-1016-7	Cable	1	10740mm		
SM65-60-1016-8	Cable	1	9455mm		
SM65-60-1016-3	Cable	1	3780mm		
SM65-60-1016-4	Cable	1	5598mm		
For SM55LT-51					
SM65-60-1016-9	Cable	1	3498mm		
SM65-60-1016-10	Cable	1	5318mm		
SM65-60-1016-11	Cable	1	10460mm		
SM65-60-1016-12	Cable	1	9190mm		
See PB-SM65-11					



Part.No	Part.No Description		
FC553-21Y	4		
See PB-SM65-9,For SM65/SM55LT			



Part.No	Description	Qty	
S130061Y Air cylinder for crossbeam 4			
See PB-SM65-9,For SM65/SM55LT			



Part.No Description Qty			
FC5706-16Y Slider block for yoke end 8			
See PB-SM65-9,For SM65/SM55LT			

10.



Part.No	Description	Qty	
SM60-9200	Throttle valve	1	
For SM65 main cylinder			

11.



Part.No	Description	Qty	
IFC-6T-10	Flow restricted valve	1	
I12-9802-2.1	Valve block	1	
SM55-9802-1	Fitting	1	
SVW6353-9802-1	Fitting	1	
For SM55LT main cylinder			

12.



Part.No	Description	Qty
SM60-1128	Spring on cable end	4
See PB-SM65-10.For SM65/SM55LT		

13.



Part.No Description		Qty	
SM60-1125	Nylon block on cable end	1	
See PB-SM65-10 ,For SM65/SM55LT			

14.



Part.No	Description	Qty
Fc522-25Y	Spring on yoke end	8
See PB-SM65-9,For SM65/SM55LT		

15.



Part.No	Description	Qty
S130246Y	Washer between sheaves	11
See PB-SM65-10,For SM65/SM55LT		

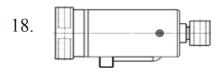
16.

Part.No	Description	Qty	Remark
SM65-9100	Cylinder for main lift	1	Stroke=1802
See PB-SM65-10,For SM65/SM55LT			

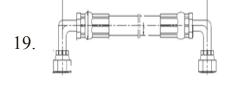
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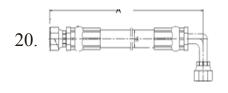
Part.No	Description	Qty	
SM60-1122	Roller on the cable end	2	
See PB-SM65-10 For SM65/SM55LT			



Part.No	Description	Qty	Remark	
R520-ZY1	520-ZY1 Cylinder 1 OD Φ 125 for lifting tab		OD Φ 125 for lifting table	
R520-ZY2	R520-ZY2 Cylinder 1 ODΦ115 for lifting table			
See PB-SM65-6,For SM55LT lifting table				



Part.No	Description	Qty	Remark		
SM50-9801-2	Hose for lifting table	1	A=3630		
SM50-9801-3	50-9801-3 Hose for lifting table				
SM50-9801-4 Hose for lifting table		1	A=4500		
For SM55LT					



Part.No	Description Re		Remark
SM65-9801-4	Hose for main lift	Hose for main lift 1 A=530	
SM65-9801-3	Hose for main lift	Iose for main lift $1 = A=5$	
SM65-9801-2	Hose for main lift	1	A=6200(-60 lift)
SM50-9801-1	Hose for main lift	1	A=5570(-55LT)
SM50-9801-5	Hose for lifting table	1	A=1900(-55LT)
For SM65-60/55/51,SM55LT			

21.	Part.No	Description	Qty	Remark
	BZSM65-60-06	package for install	1	
	Bolts for installing the Power unit and runv			

Part.No Description Qty Remark

BZMOT40-14 package for install SM65-60/55/51 1

BZMOT40-15 Package for install SM55LT-51 1

Air maintance and hydralic fitting for connecting to PU

Other hydraulic components

Part.No	Description	Qty	Remark
SM65-9180	Seal kit for main cylinder	1	
R520-ZY1-9180	Seal kit for lifting table cylinder	1	
R520-ZY29180	Seal kit for lifting table cylinder	1	

ATTACHMENT Four column lifting platform SM65-60 SM65-55 SM65-51 SM55LT-51

Maintenance schedule: Notes for execution of the visual and functional testing

Notes for execution of the visual and functional testing

In the scope of periodical inspections, the followings must be checked in particular:

1. Information on the lifting platform	Object to be checked
Nameplate	Fastening
Labeling	Readability
Summary of the manual	Completeness
2.Detailed operating instructions	Condition
	Readability
3.Warnings	Condition
	Noticeability
4. Protection against unauthorized use	Condition
	Function
	Mobility
	Safety key
5. Actuators	
Lifting, lowering	Condition
Tilting, tipping	Function
Turning, pivoting	Mobility
Switching	Clear assignment
Opening and closing (of the loading tailgate)	Permanent labeling of the direction of movement
Driving	Protection against unintentional actuation
Supports	Locking mechanism of the actuators with multiple
	controls
6. Emergency shutdown,	Condition
Emergency drainage	Function
	Mobility
7. Signalling devices,	Condition
devices for communication	Function
	Noticeability
	Reliability
8. Devices for the stable installation	
Spirit level	Condition
Supports	Function
Spindles	Mobility
Bottom pan	Wear
Elimination of the spring travel	Deformation
	Corrosion
	Cracks
9. Supporting structure	Cracks
	Deformation
	Corrosion
	Mobility of guides, pulleys, hinges, telescopes,
	Wear of guides, pulleys, hinges,
	fastening and securing of removable parts
	Effectiveness of locking mechanisms

10. Load suspension devices	
Protection against sliding	Condition
Roll-off protection	Function
Holding device	
Protection of the hinged bracket	
Safety fence	Condition
	Corrosion
	Fastening and securing of removable parts
	Effectiveness of locking mechanisms
	Mobility of movable parts
Ground	Surefootedness
Ground	Deformation
	Corrosion
	Fastening and securing of removable parts
Parallel motion on operating platforms	Condition
	Function
	Wear
	Cracks
	Corrosion
Stowable operating platform	Condition and effectiveness of the locking
	mechanism
Stairs	Surefootedness
	Deformation
	Corrosion
	Damage
	Fastening and securing of removable parts
	Welded connections
11. Steel wire rope Cable connections	Wear
Tr. Steel wife rope Caste Commections	Corrosion
	Wire breakages
	Wire break nests
	Pinch points
	Loosening of the outer layer
	Bird-caging
Change and pullage	Cracks
Sheaves and pulleys	
	Signs of wear
	Burr formation in the groove
D : 1'	Correct aligning of the groove
Rope winding	Condition
Clamping device	Function
Securing at rope bearings	
Protection against coming off of the rope	
12. Steel link chains, chain linkings	Mobility
	Wear
	Cracks
	Securing of the studs, e.g. by rivet head, ring

Chain wheels	Condition
Sprockets	Function
Clamping device	Condition
Securing of the chain guide	Function
13. Spindles	Storage
	Deformation
	Contamination
	Wear of the threads
	Notches
	Striations
	Grooves, applications
	Efficiency of the covering
Main nut	Wear of the thread (play)
Compensation ring	Bearing
	Condition
	Notches
	Striations
14. Racks	Fastening
	Wear
	Contamination
	Joints of jointed racks
Pinions	Cracks
	Wear
	Contamination
	Fastening and play of the spindle
15. Hydraulics	Leakage
	Leak test
	Venting
Oil reservoir	Condition and readability of the display
	Control of the oil quantity
	Efficiency of the shut-off device in case of lack of
	oil
Lines	Fastening
Line connections	Damages
	Deformation
	Corrosion
Hoses	Fastening
Hose connections	Damage
	Age
	Brittleness
	Porosity
Cylinders	Fastening
	Cracks
	Pipe connections and hose connections
	Tightness of the sleeves
Pistons	Surface of the piston rod
	Striations
I .	Contamination

Filters	External condition
Pressure control valve	External condition
	Lead seal undamaged
16. Pneumatics	
Lines	Leakage
Line connections	Fastening
	Damage
	Deformation
	Corrosion
Hoses	Fastening
Hose connections	Damage
	Age
	Brittleness
C-1:1	Porosity
Cylinders	Fastening, cracks, pipe connections and hose connections
	Tightness of the sleeves
Pistons	Surface of the piston rod, striations, contamination
Relief valve	External condition, lead seal undamaged
	External condition and effectiveness
Gauge, pressure reducer	
17. Driving mechanisms (without bogie)	Connections of parts of the driving mechanism
Dualyas salf lastina asambay asymlinas	shock-free starting
Brakes, self-locking gearbox, couplings	Wear, effectiveness
18. Driving carriage, bogie	TXX CC
Service brakes, emergency brakes	Wear, effectiveness
Drawbar protection	Condition, effectiveness
Positive guide, guide rail	Deformation, cracks, condition of the fastening
Rail joints, end stops, cow-catcher	
Protection against derailing	
19. Points of access and points of loading	Surefootedness, deformation of handrails, damage
20 51-4-1-1	Corrosion, securing of removable parts
20. Electrical equipment	D 0 4 1 1 1 0 0 4 11
Lines	Damage, fastening, strain relief of external lines
Protective earth	Damage, fastening
21. Insulation on aerial work platforms, as far	
as the aerial work platform is intended for work	
on or near unprotected, live parts of electrical installations	
	Contamination damage insulation resistance
Insulation work platform/lifting equipment as well as lifting equipment/driving carriage	Contamination, damage, insulation resistance
22. Special safety devices	
Emergency limit switch, slack rope switch, rope break switch, chain fracture switch, control locks, switch-off strips, restart protection, antitipping device (for stowable work platforms), safety catch, completeness	Effectiveness, fastening, condition Deformation, effectiveness of the switch elements, contamination, condition of pressure springs
safety catch, completeness	

These notes do not claim to be complete, and they must be matched to the lifting platforms to be examined.

ATTACHMENT Four column lifting platforms Inspection log

Inspection log for lifting platforms

Type:	
Serial number:	
Year of construction:	
Operator:	
Day of first commissioning:	

BlitzRotary GmbH Hüfinger Straße 55 D-78199 Bräunlingen



Telephone +49.771.9233.0 Fax +49.771.9233.99 europe@rotarylift.com www.rotarylift.com

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Contact Your Nearest Authorized Rotary Parts Distributor For Genuine Rotary Replacement Parts. Please see the parts breakdown.

DATE	REV.	CHANGE MADE
04-06-15	\mathbf{A}	New annex manual for SM65/SM55LT Lift release
06-01-15	В	Updated for the lifting table ramp of SM55LT

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