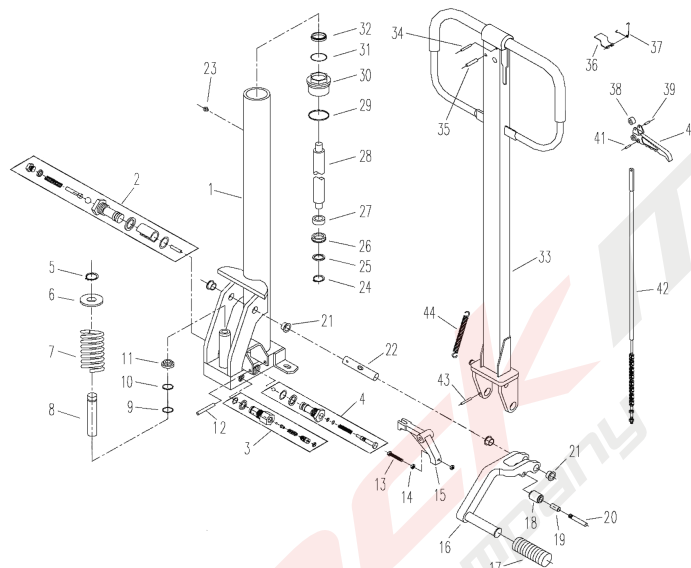




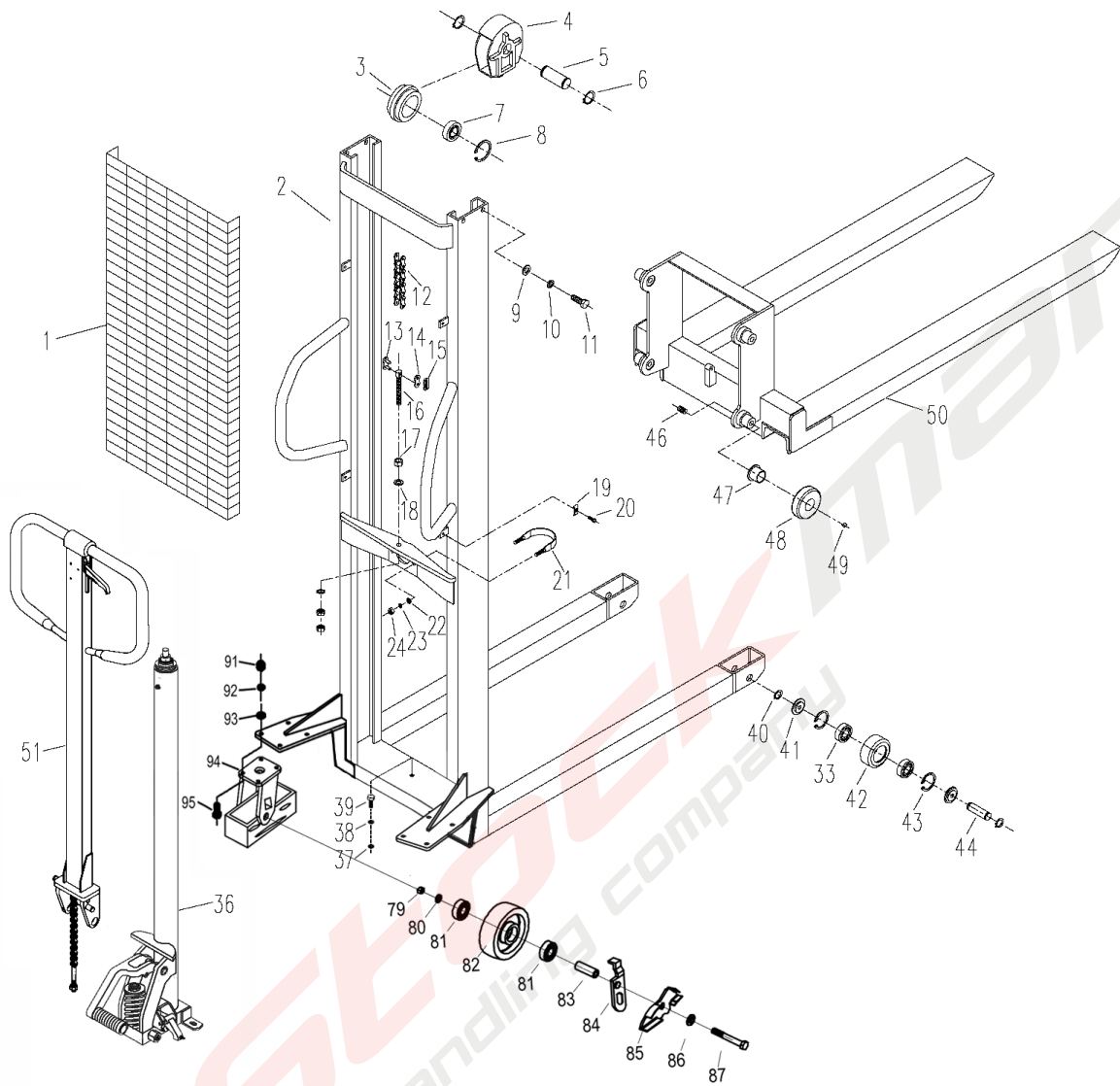
VUES ÉCLATÉES HMS

Fig 1. Vue éclatée et détails des pièces du timon et de la pompe HMS05/1600



Item	Parts N°	Description	QTY	Item	Parts N°	Description	QTY
1	19010101	Cylinder body	1	24	19010124	Snap Ring 12	1
2	19010102	Check valve assy.	1	25	19010125	Plane Washer 16	1
3	19010103	Safety valve assy.	1	26	19010126	Seal Ring UN27	1
4	19010104	Relief valve assy.	1	27	19010127	Bush	1
5	19010105	Snap Ring 15	1	28	19010128	Piston Rod	1
6	19010106	Spring Cup	1	29	19010129	Seal washer	1
7	19010107	Spring	1	30	19010130	Top Nut	1
8	19010108	Pump Plunger	1	31	19010131	O-Seal Ring 29.5×3.65	1
9	19010109	O-Seal Ring 18×2.5	1	32	19010132	Dust ring 38.5×28.5×6.5	1
10	19010110	Snap Ring	1	33	19010133	Handle Instrument	1
11	19010111	Dust Seal Ring 18	1	34	19010134	Spring Cotter 4×30	1
12	19010112	Spring Cotter 8×40	1	35	19010135	Spring Cotter 6×30	1
13	19010113	Bolt M6×35	1	36	19010136	Flat Spring	1
14	19010114	Nut M6	2	37	19010137	Spring	1
15	19010115	Bracket	1	38	19010138	Nylon Roller	1
16	19010116	Food Pedal	1	39	19010139	Spring Cotter 4×20	1
17	19010117	Pedal Pad	1	40	19010140	Return Oil Handle	1
18	19010118	Roller	1	41	19010141	Spring Cotter 4×12	1
19	19010119	Oilless Bearing 1028	1	42	19010142	Tie Rod and chain assy.	1
20	19010120	Pin	1	43	19010143	Spring Cotter 4×30	1
21	19010121	Oilless Bearing	4	44	19010144	Extension Spring	1
22	19010122	Handle Axle	1	***	19010145	Pump seal kits	1
23	19010123	Stopper	1				

Fig 2. Vue éclatée mât et châssis HMS05/1600

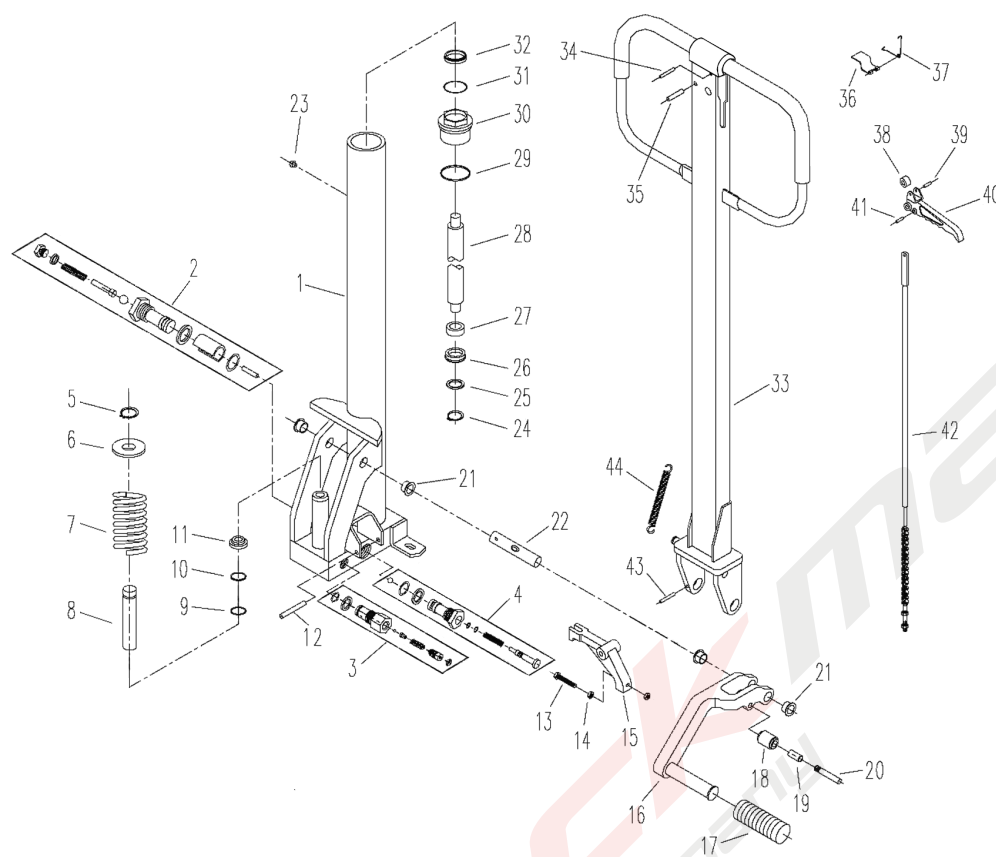


Détails pièces HMS05/1600

Item	Parts N°.	Description	QTY
1	19010201	Net Cover	1
2	19010202	Chassis & mast	1
3	19010203	Carrier Wheel	1
4	19010204	Carrier Wheel Cover	1
5	19010205	Carrier Wheel Axle	1
6	19010206	Snap Ring 30	2
7	19010207	Bearing 6206	1
8	19010208	Snap Ring 62	1
9	19010209	Plane Washer 12	4
10	19010210	Spring Washer 12	4
11	19010211	Bolt M12×35	4
12	19010212	Chain	1
13	19010213	Chain Pin	2
14	19010214	Chain Sheet	2
15	19010215	Chain Lock Sheet	2
16	19010216	Chain Joint 12A-66L	1
17	19010217	Nut M16	3
18	19010218	Plane Washer 16	2
19	19010219	Flat washer	4
20	19010220	Bolt M6×20	4
21	19010221	Clevis Bolt	1
22	19010222	Flat Washer 8	2
23	19010223	Spring Washer 8	2
24	19010224	Nut M8	2
33	19010233	Bearing 6204	4
36	19010236	Cylinder assy. 0.5T/1.6M	1
37	19010237	Flat Washer 10	2

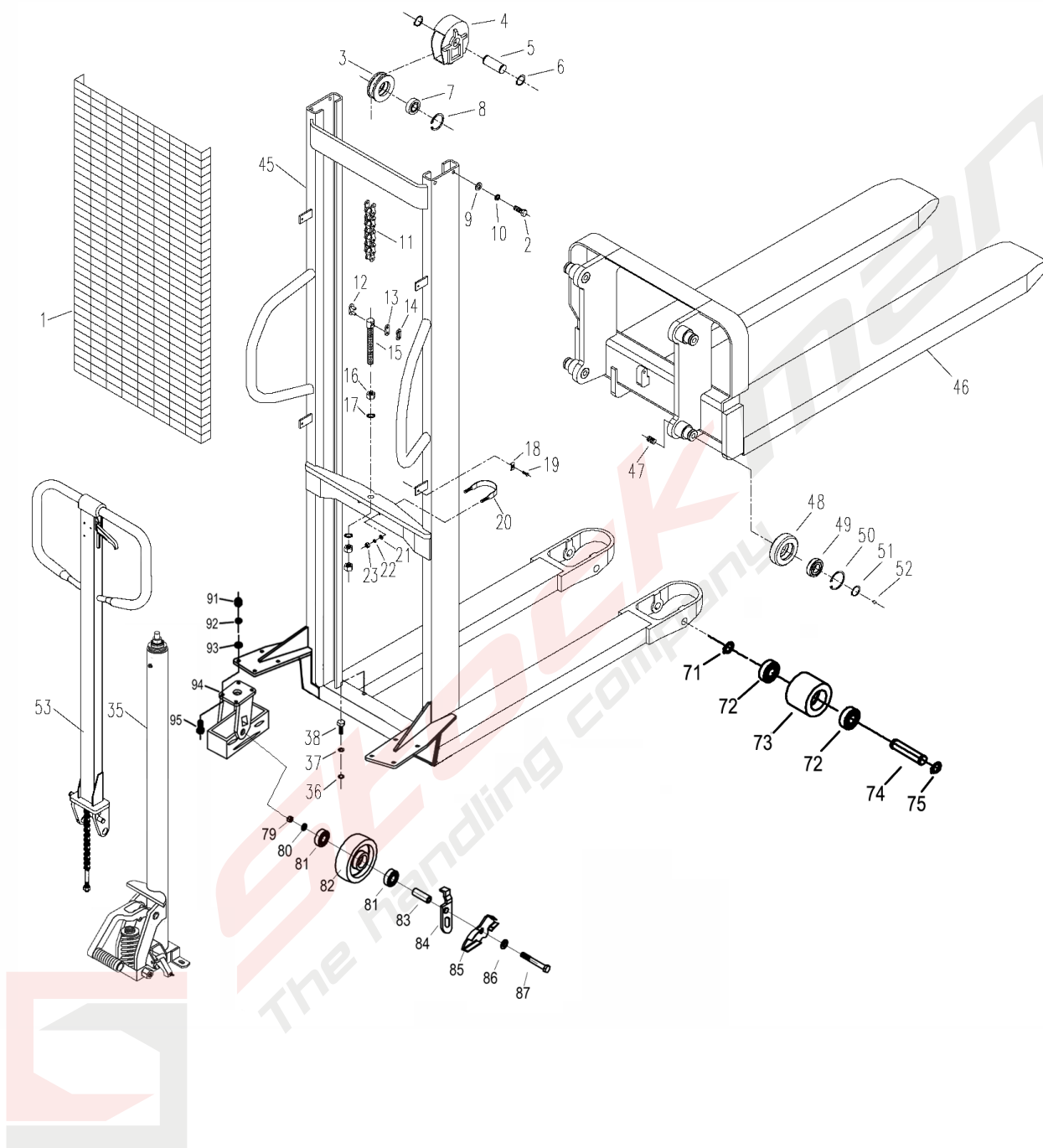
Item	Parts N°.	Description	QTY
38	19010238	Spring Washer 10	2
39	19010239	Bolt M10x25	2
40	19010240	Snap Ring 20	4
41	19010241	Push Cover	4
42	19010242	Front Wheel Ø78x36	2
43	19010243	Snap Ring 47	4
44	19010244	Axle	2
46	19010246	Screw M12×20	4
47	19010247	Oilless Bearing 43/34×30×24	4
48	19010248	Roller	4
49	19010249	Steel Bead 12	4
50	19010250	Fork Arm Carrier	1
51	19010251	Handle assy.	1
79	19010252	Dustproof nut M12	1
80	19010253	Washer 12	1
81	19010254	Bearing 203	2
82	19010255	Nylon wheel 150x50	1
83	19010256	Rubber Sleeve	1
84	19010257	Latch	1
85	19010258	Pedal	1
86	19010259	Spring Washer	1
87	19010260	Screw M12x85	1
91	19010261	Nut M12	4
92	19010262	Spring Washer 12	4
93	19010253	Washer 12	4
94	19010263	Wheel Stand	1
95	19010264	Screw M12x25	4

Fig 3. Vue éclatée et détail pièces timon et pompe HMS10/1600



Item	Parts N°.	Description	QTY	Item	Parts N°.	Description	QTY
1	19020101	Cylinder body	1	24	19020124	Snap Ring 12	1
2	19020102	Check valve assy.	1	25	19020125	Plane Washer 16	1
3	19020103	Safety valve assy.	1	26	19020126	Seal Ring UN27	1
4	19020104	Relief valve assy.	1	27	19020127	Bush	1
5	19020105	Snap Ring 15	1	28	19020128	Piston Rod	1
6	19020106	Spring Cup	1	29	19020129	Seal washer	1
7	19020107	Spring	1	30	19020130	Top Nut	1
8	19020108	Pump Plunger	1	31	19020131	O-Seal Ring 31.5×3.55	1
9	19020109	O-Seal Ring 18×2.5	1	32	19020132	Dust ring 32×45×8	1
10	19020110	Snap Ring	1	33	19020133	Handle Instrument	1
11	19020111	Dust Seal Ring 18	1	34	19020134	Spring Cotter 4×30	1
12	19020112	Spring Cotter 8×40	1	35	19020135	Spring Cotter 6×30	1
13	19020113	Bolt M6×35	1	36	19020136	Flat Spring	1
14	19020114	Nut M6	2	37	19020137	Spring	1
15	19020115	Bracket	1	38	19020138	Nylon Roller	1
16	19020116	Food Pedal	1	39	19020139	Spring Cotter 4×20	1
17	19020117	Pedal Pad	1	40	19020140	Return Oil Handle	1
18	19020118	Roller	1	41	19020141	Spring Cotter 4×12	1
19	19020119	Oilless Bearing 1028	1	42	19020142	Tie Rod and chain assy.	1
20	19020120	Pin	1	43	19020143	Spring Cotter 4×30	1
21	19020121	Oilless Bearing 26/20×18×11	4	44	19020144	Extension Spring	1
22	19020122	Handle Axle	1	***	19020145	Pump seal kits	1
23	19020123	Stopper	1				

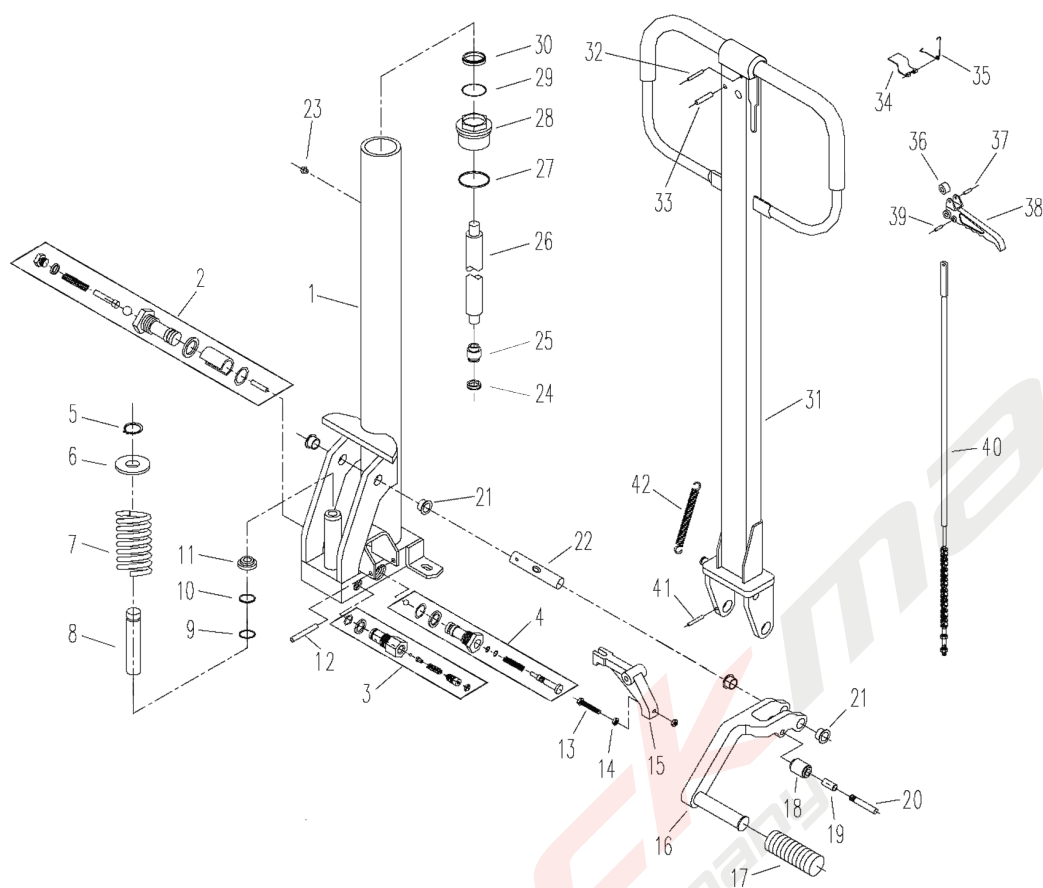
Fig 4. Vue éclatée châssis et mât HMS10/1600



Détails pièces HMS10/1600

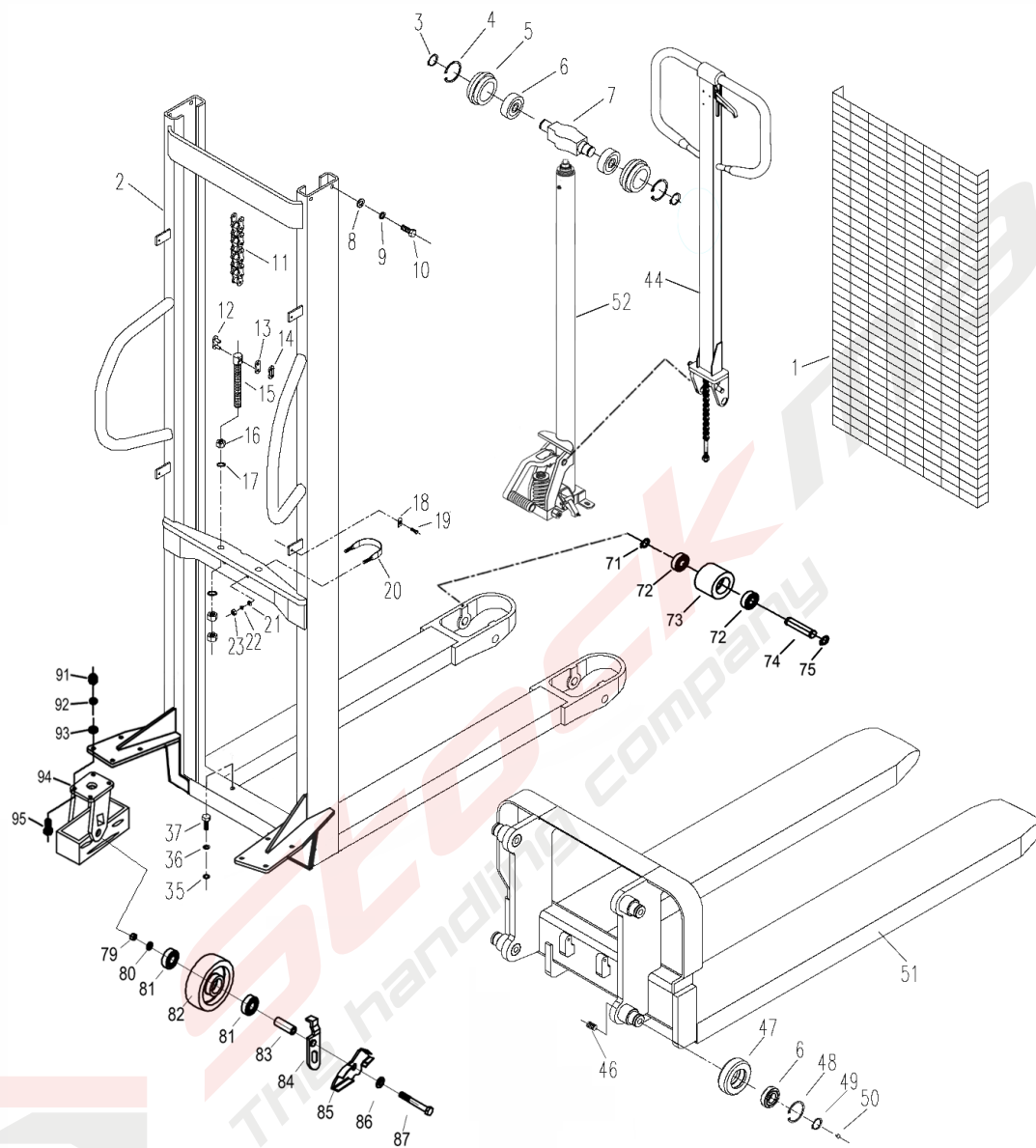
Item	Parts N°.	Description	QTY	Item	Parts N°.	Description	QTY
1	19020201	Net Cover	1	46	19020246	Fork Arm Carrier	1
2	19020202	Bolt M12×35	4	47	19020247	Screw M12x20	4
3	19020203	Carrier Wheel	1	48	19020248	Roller	4
4	19020204	Carrier Wheel Cover	1	49	19020249	Bearing 6206	4
5	19020205	Carrier Wheel Axle	1	50	19020250	Snap Ring 62	4
6	19020206	Snap Ring 30	2	51	19020251	Snap ring 30	4
7	19020207	Bearing 6306	1	52	19020252	Steel bead 12	4
8	19020208	Snap Ring 72	1	53	19020253	Handle assembly	1
9	19020209	Plane Washer 12	4	71	19020254	Snap Ring 20	4
10	19020210	Spring Washer 12	4	72	19020255	Bearing 6204	8
11	19020211	Chain	2	73	19020256	Load wheel φ80×60	2
12	19020212	Chain Pin	4	74	19020257	Axle	2
13	19020213	Chain sheet	4	75	19020258	Push Cover	4
14	19020214	Chain lock sheet	4	79	19010252	Dustproof nut M12	1
15	19020215	Chain joint	2	80	19010253	Washer 12	1
16	19020216	Nut M16	3	81	19010254	Bearing 203	2
17	19020217	Plane Washer 16	2	82	19010255	Nylon wheel 150x50	1
18	19020218	Flat washer	2	83	19010256	Rubber Sleeve	1
19	19020219	Bolt M6×20	4	84	19010257	Latch	1
20	19020220	Clevis Bolt	4	85	19010258	Pedal	1
21	19020221	Plane Washer 8	1	86	19010259	Spring Washer	1
22	19020222	Spring Washer 8	2	87	19010260	Screw M12x85	1
23	19020223	Nut M8	2	91	19010261	Nut M12	4
35	19020235	Cylinder assy. 1T/1.6M	1	92	19010262	Spring Washer 12	4
36	19020236	Flat Washer 10	2	93	19010253	Washer 12	4
37	19020237	Spring Washer 10	2	94	19010263	Wheel Stand	1
38	19020238	Bolt M10x25	2	95	19010264	Screw M12x25	4
45	19020245	Chasis & mast	1				

Fig 5. Vue éclatée et détail pièces timon et pompe HMS15/1600



Item	Parts N°	Description	QTY	Item	Parts N°	Description	QTY
1	19030101	Cylinder body	1	23	19030123	Stopper	1
2	19030102	Check valve assy.	1	24	19030124	Seal washer 30*40*6	1
3	19030103	Safety valve assy.	1	25	19030125	Piston	1
4	19030104	Relief valve assy.	1	26	19030126	Piston rod	1
5	19030105	Snap Ring 15	1	27	19030127	Oil seal	1
6	19030106	Spring Cup	1	28	19030128	Top Nut	1
7	19030107	Spring	1	29	19030129	O-Seal Ring 31.5×3.55	1
8	19030108	Pump Plunger	1	30	19030130	Dust ring 32×45×8	1
9	19030109	O-Seal Ring 18×2.5	1	31	19030131	Handle Instrument	1
10	19030110	Snap Ring	1	32	19030132	Spring Cotter 4×30	1
11	19030111	Dust Seal Ring 18	1	33	19030133	Spring Cotter 6×30	1
12	19030112	Spring Cotter 8×40	1	34	19030134	Flat Spring	1
13	19030113	Bolt M6×35	1	35	19030135	Spring	1
14	19030114	Nut M6	2	36	19030136	Nylon Roller	1
15	19030115	Bracket	1	37	19030137	Spring Cotter 4×20	1
16	19030116	Food Pedal	1	38	19030138	Return Oil Handle	1
17	19030117	Pedal Pad	1	39	19030139	Spring Cotter 4×12	1
18	19030118	Roller	1	40	19030140	Tie Rod and chain assy.	1
19	19030119	Oilless Bearing 1028	1	41	19030141	Spring Cotter 4×30	1
20	19030120	Pin	1	42	19030142	Extension Spring	1
21	19030121	Oilless Bearing 26/20×18×11	4	***	19030143	Pump seal kits	1
22	19030122	Handle Axle	1				

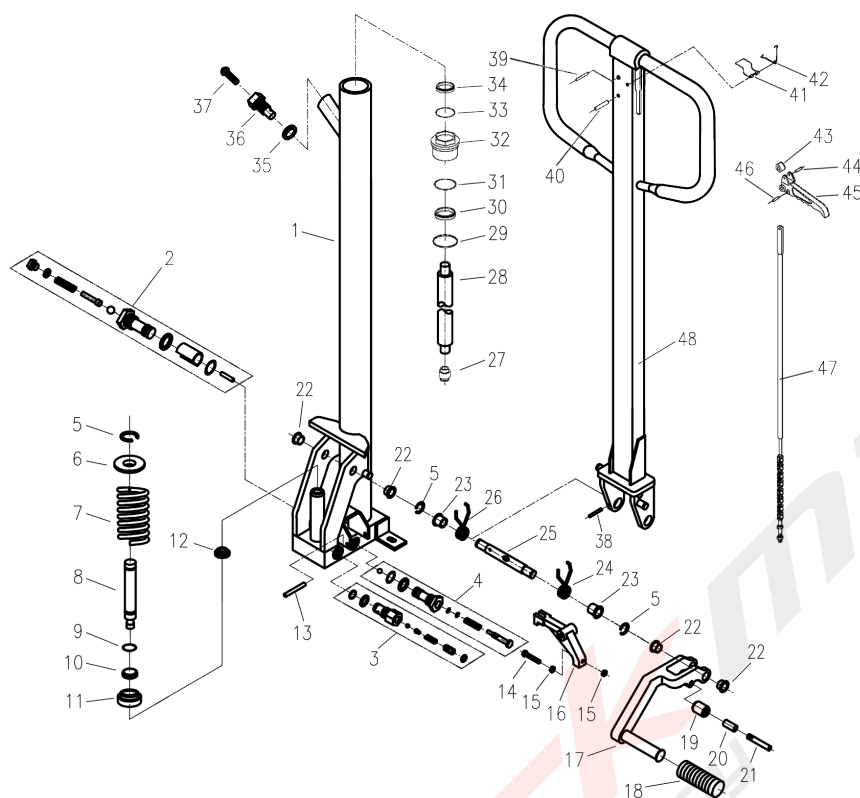
Fig 6. Vue éclatée châssis et mât HMS15/1600



Détail pièces HMS15/1600

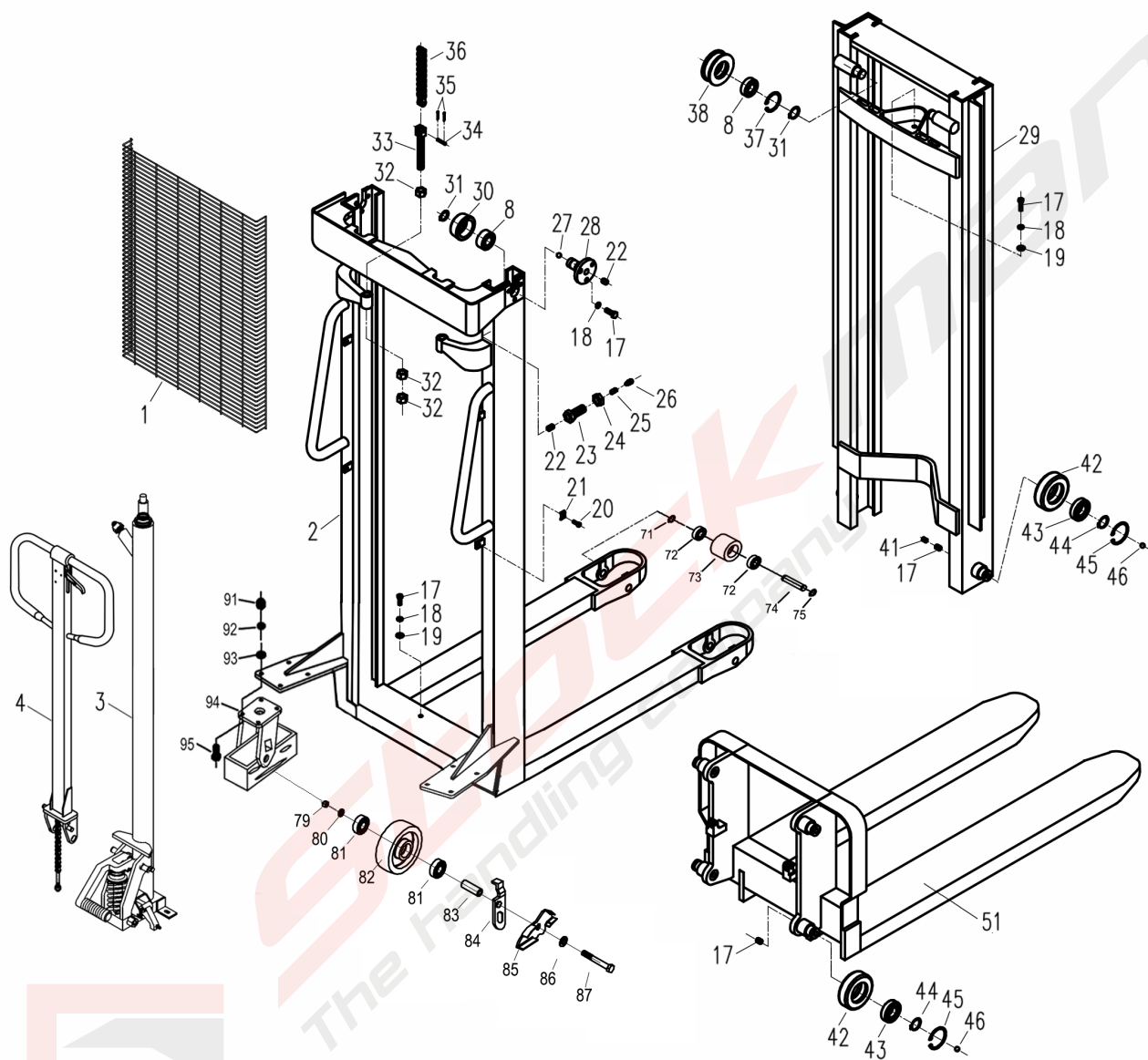
Item	Parts N°	Description	QTY	Item	Parts N°	Description	QTY
1	19030201	Net Cover	1	46	19030246	Screw M12x20	4
2	19030202	Chassis & mast	1	47	19030247	Roller	4
3	19030203	Snap Ring 30	2	48	19030248	Snap Ring 62	4
4	19030204	Snap Ring 62	2	49	19030249	Snap ring 30	4
5	19030205	Carrier Wheel	2	50	19030250	Steel bead 12	4
6	19030206	Bearing 6206	6	51	19030251	Fork Arm Carrier	1
7	19030207	Carrier Wheel axle	1	52	19030252	Cylinder assy. 1.5T/1.6M	1
8	19030208	Plane Washer 12	4	71	19020254	Snap Ring 20	4
9	19030209	Spring Washer 12	4	72	19020255	Bearing 6204	8
10	19030210	Bolt M12×35	4	73	19020256	Load wheel φ80×60	2
11	19030211	Chain	2	74	19020257	Axle	2
12	19030212	Chain Pin	4	75	19020258	Push Cover	4
13	19030213	Chain sheet	4	79	19010252	Dustproof nut M12	1
14	19030214	Chain lock sheet	4	80	19010253	Washer 12	1
15	19030215	Chain joint	2	81	19010254	Bearing 203	2
16	19030216	Nut M16	6	82	19010255	Nylon wheel 150x50	1
17	19030217	Flat washer 16	4	83	19010256	Rubber Sleeve	1
18	19030218	Flat washer	4	84	19010257	Latch	1
19	19030219	Bolt M6×20	4	85	19010258	Pedal	1
20	19030220	Clevis Bolt	1	86	19010259	Spring Washer	1
21	19030221	Plane Washer 8	2	87	19010260	Screw M12x85	1
22	19030222	Spring Washer 8	2	91	19010261	Nut M12	4
23	19030223	Nut M8	2	92	19010262	Spring Washer 12	4
35	19030235	Flat Washer 10	2	93	19010253	Washer 12	4
36	19030236	Spring Washer 10	2	94	19010263	Wheel Stand	1
37	19030237	Bolt M10x25	2	95	19010264	Screw M12x25	4
44	19030244	Handle assembly	1				

**Fig 9. Vue éclatée et détail pièces timon et pompe
HMS10/1800, HMS10/2500, HMS10/3000 avec mât duplex**



Item	Parts N°.	Description	QTY	Item	Parts N°.	Description	QTY
1	19050101	Cylinder body	1	26	19050126	Left torsional spring	1
2	19050102	Check valve assy.	1	27	19050127	Piston	1
3	19050103	Safety valve assy.	1	28	19050128	Piston Rod	1
4	19050104	Relief valve assy.	1	29	19050129	O-ring 43.7*3.55	1
5	19050105	Snap Ring 12	1	30	19050130	Seal washer D35	1
6	19050106	Spring Cup	1	31	19050131	Oil seal	1
7	19050107	Spring	1	32	19050132	Top Nut	1
8	19050108	Pump Plunger	1	33	19050133	O-Seal Ring 34.5×3.55	1
9	19050109	O-Seal Ring 11.2×2.65	1	34	19050134	Dust ring 35	1
10	19050110	Seal washer D16	1	35	19050135	Composite Washer	1
11	19050111	Spring seat	1	36	19050136	Bolt	1
12	19050112	Dust ring	1	37	19050137	Screw M5x8	1
13	19050113	Spring Cotter 8×40	1	38	19050138	Spring pin φ4x30	1
14	19050114	Bolt M6×30	2	39	19050139	Spring Cotter 4×30	1
15	19050115	Nut M6	1	40	19050140	Spring Cotter 6×30	1
16	19050116	Bracket	1	41	19050141	Flat Spring	1
17	19050117	Food Pedal	1	42	19050142	Spring	1
18	19050118	Pedal Pad	1	43	19050143	Nylon Roller	1
19	19050119	Roller	1	44	19050144	Spring Cotter 4×20	1
20	19050120	Oilless Bearing	1	45	19050145	Return Oil Handle	1
21	19050121	Pin	1	46	19050146	Spring Cotter 4×12	1
22	19050122	Oilless Bearing	4	47	19050147	Tie Rod and chain assy.	1
23	19050123	Snap Ring 12	2	48	19050148	Handle Instrument	1
24	19050124	Right torsional spring	1	***	19050149	Pump seal kits	1
25	19050125	Handle Axle	1				

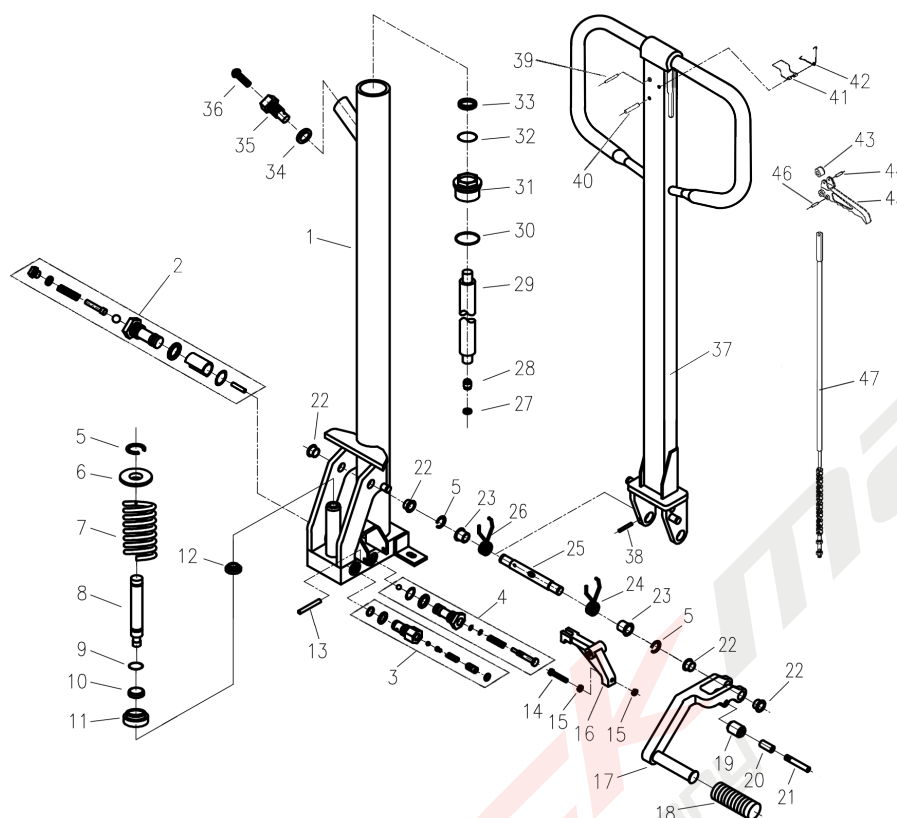
**Fig 10. Vue éclatée châssis et mât HMS10/1800, HMS10/2500, HMS10/3000
avec mât duplex**



Détail pièces HMS10/1800, HMS10/2500, HMS10/3000 avec mât duplex

Item	Parts N°	Description	QTY	Item	Parts N°	Description	QTY
1	19050201	Net Cover	1	37	19050237	Chain roller	2
2	19050202	Chassis & mast 1T	1	38	19050238	Circlip 52	2
3	19050203	Cylinder assy. 1T/2M	1	41	19050241	Blocking column	2
	19050203-1	Cylinder assy. 1T/2.5M	1	42	19050242	Cover of roller φ107.2×32	6
	19050203-2	Cylinder assy. 1T/3M	1	43	19050243	Bearing 6206	6
4	19050204	Handle assy.	1	44	19050244	Circlip 30	6
17	19050217	Flat Washer 10	2	45	19050245	Circlip 62	6
18	19050218	Spring Washer 10	2	46	19050246	Steel ball 12.0000G16b	6
19	19050219	Bolt M10×25	2	51	19050251	Fork assy. 1T	1
20	19050220	Bolt M6×15	4	71	19020254	Snap Ring 20	4
21	19050221	Washer	4	72	19020255	Bearing 6204	8
22	19050222	Screw M12×20	10	73	19020256	Load wheel φ80×60	2
23	19050223	Connect bolt	2	74	19020257	Axle	2
24	19050224	Nut M20×1.5	2	75	19020258	Push Cover	4
25	19050225	Spring	2	79	19010252	Dustproof nut M12	1
26	19050226	Position rod	2	80	19010253	Washer 12	1
27	19050227	Steel ball 12.0000G16b	2	81	19010254	Bearing 203	2
28	19050228	Upper bearing socket 1T	2	82	19010255	Nylon wheel 150x50	1
29	19050229	Inner mast	1	83	19010256	Rubber Sleeve	1
30	19050230	Cover of roller φ72×26 1T	2	84	19010257	Latch	1
31	19050231	Circle 25	4	85	19010258	Pedal	1
32	19050232	Net M16	6	86	19010259	Spring Washer	1
33	19050233	Chain connector	2	87	19010260	Screw M12x85	1
34	19050234	Spring pin φ5×30	4	91	19010261	Nut M12	4
35	19050235	Spring pin φ1.2×16	8	92	19010262	Spring Washer 12	4
36	19050236	Chain for 3m lifting height	2	93	19010253	Washer 12	4
	19050236-1	Chain for 2m lifting height	2	94	19010263	Wheel Stand	1
	19050236-2	Chain for 2.5m lifting height	2	95	19010264	Screw M12x25	4

**Fig 11. Vue éclatée et détail pièces timon et pompe
HMS10/1800, HMS10/2500, HMS10/3000 avec mât duplex**



Item	Parts N°.	Description	QTY	Item	Parts N°.	Description	QTY
1	19060101	Cylinder body	1	25	19060125	Handle axle	1
2	19060102	Check valve assy.	1	26	19060126	Left torsional spring	1
3	19060103	Safety valve assy.	1	27	19060127	Seal washer 35	1
4	19060104	Relief valve assy.	1	28	19060128	Piston	1
5	19060105	Snap Ring 12	1	29	19060129	Piston rod	1
6	19060106	Spring Cup	1	30	19060130	Oil seal	1
7	19060107	Spring	1	31	19060131	Top Nut	1
8	19060108	Pump Plunger	1	32	19060132	O-Seal Ring 34.5×3.55	1
9	19060109	O-Seal Ring 11.2×2.65	1	33	19060133	Dust ring 35	1
10	19060110	Seal washer D16	1	34	19060134	Composite Washer	1
11	19060111	Spring seat	1	35	19060135	Bolt	1
12	19060112	Dust ring	1	36	19060136	Screw M5x8	1
13	19060113	Spring Cotter 8×40	1	37	19060137	Handle Instrument	1
14	19060114	Bolt M6×30	2	38	19060138	Spring pin φ4x30	1
15	19060115	Nut M6	1	39	19060139	Spring Cotter 4×30	1
16	19060116	Bracket	1	40	19060140	Spring Cotter 6×30	1
17	19060117	Food Pedal	1	41	19060141	Flat Spring	1
18	19060118	Pedal Pad	1	42	19060142	Spring	1
19	19060119	Roller	1	43	19060143	Nylon Roller	1
20	19060120	Oilless Bearing	1	44	19060144	Spring Cotter 4×20	1
21	19060121	Pin	1	45	19060145	Return Oil Handle	1
22	19060122	Oilless Bearing	4	46	19060146	Spring Cotter 4×12	1
23	19060123	Snap Ring 12	2	47	19060147	Tie Rod and chain assy.	1
24	19060124	Right torsional spring	1	***	19060148	Pump seal kits	1