EC226 - Rotator frame

engcon®

COVERSHEET

Planned document changes:

Breifly:
No planned changes.

Document changes:

Date:	Change:	Rev. after change:
2026-10-09	ECHF added to spare parts page.	S
2025-01-20	Parts incl. in motor updated.	R
2024-10-10	Bearing ring w. screws replaced. Nippel to frame added.	Q
2023-10-27	Loxeal added. O-ring for worm wheel updated.	P
2022-05-11	EC226S added. (EC226 with ePS2 sensors).	O
2022-01-20	Details for end lock added.	N
2021-05-28	Bearing ring updated.	M
2020-10-20	Motor hose ECHF replaced. Photo replaced.	L
2020-08-19	Worm wheel, bearing ring, end lock, ePS cover replaced.	K
2020-01-23	Layout/irrelevant.	J
2019-04-24	QSM added (also applicable for "Without swivel")	I
2019-02-18	QTY for top part details corrected.	H
2018-07-31	Part no for shim kit added.	G
2018-07-03	Layout/irrelevant.	F
2018-07-02	Bearing ring tightening updated.	E
2018-06-18	Layout/irrelevant.	D
2017-10-18	MACS sensor replaced, new distance 3mm.	C
2017-08-07	Layout/irrelevant.	B
2017-05-18	Coversheet added.	A

Readers note:

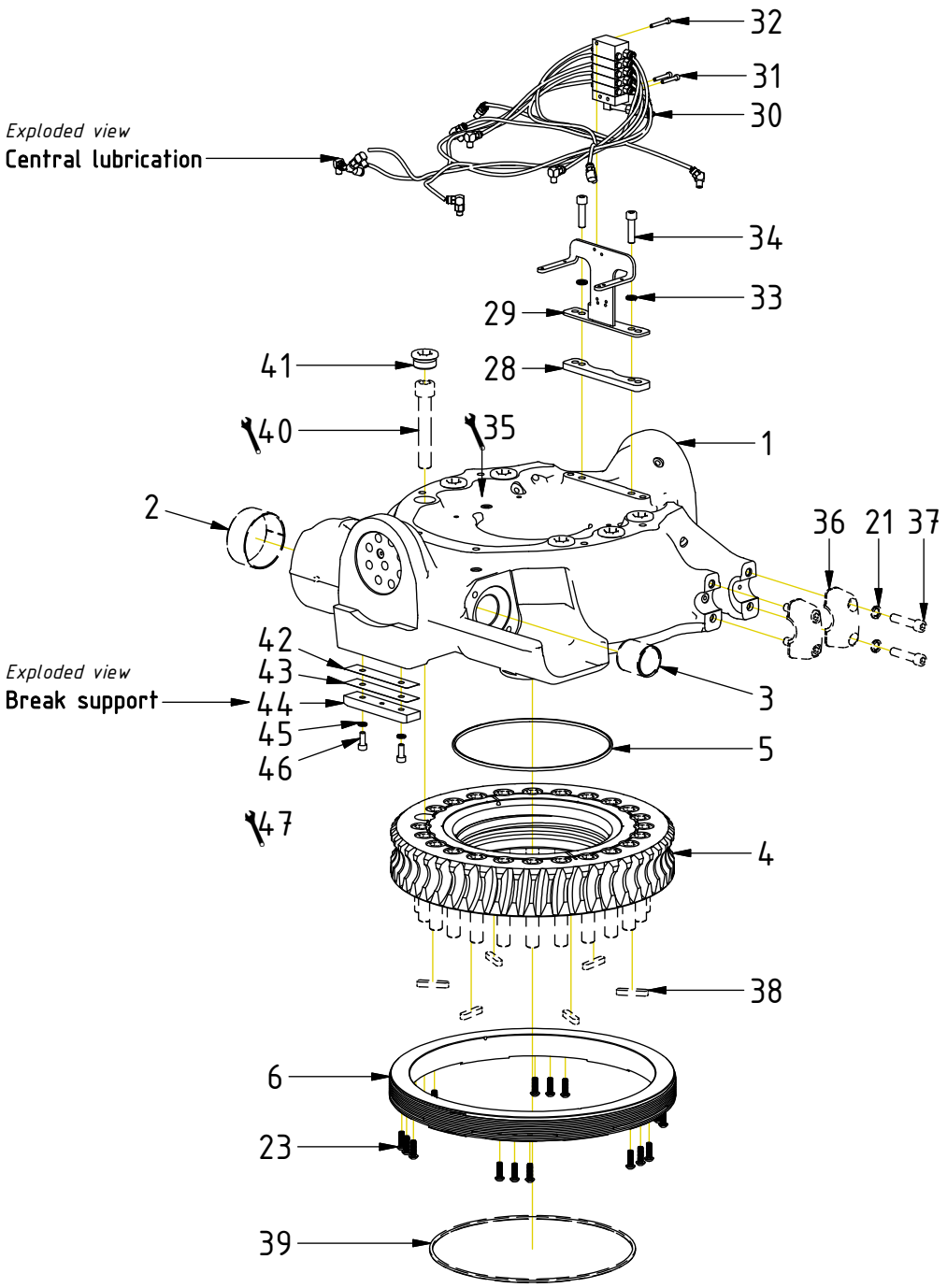
Indicates instruction.

Represents Hose.

Dashed lines for overview, mounts on other pages/assemblies.

EC226 - Rotator frame

engcon®



POS	DESCRIPTION	PART	QTY	COMMENTS
1	Rotator frame EC226 V4	1023732	1	(POS.2-3 incl.)
2	Bushing 85/90x40	630319	1	
3	Bushing WB802 45/50x50	630102	1	
4	Worm wheel EC226 24 holes	1057021	1	
5	O-ring 242x5 NBR 90	7001663	1	
6	Bearing ring EC226 V2	1077002	1	(Only compatible with 8x25)
21	Washer NL 12mm	611042	10	QTY: 8 part of top part assembly
23	Screw TX45 8x25 10,9 FZB	1078840	18	Torque: 34Nm Tighten in cross pattern
28	Spacer central lubrication QSM	1047832	1	
29	Mounting plate lube. ECHF/QSM	1031517	1	
30	Lubrication kit	1021136	1	
31	Screw MC6S M5x30 12.9	610403	2	
32	Screw MC6S M5x35 12.9	610404	1	
33	Washer NL 10mm	611041	2	
34	Screw MC6S M10x40 12.9 ZFSHL	612020	2	Torque: 79Nm
35	Punch serial no into rotator frame			
36	Clamping half Complete	1016393	4	Part of top part
37	Screw MC6S M12x55 12.9 ZFSHL	6000155	8	Part of top part. Torque: 136Nm
38	Feather Key	650102	6	Part of quick hitch
39	O-ring 319,3x5,7	710908	1	Part of quick hitch
40	Screws depends on quick hitch		24	See "Quick hitch"
41	Pipe Plug M36x2	650408	6	
42	Shim supporting plate 0,1mm	1023344	1	
43	Shim supporting plate 0,3mm	1023447	1	
44	Supporting plate	1023292	1	
45	Washer NL 8mm	611040	2	
46	Screw MC6S M8x20 12.9 ZFSHL	6000157	2	
47	Break play: 0,6mm - 0,8mm			Assy. between frame & quick hitch

POS in order of assembly

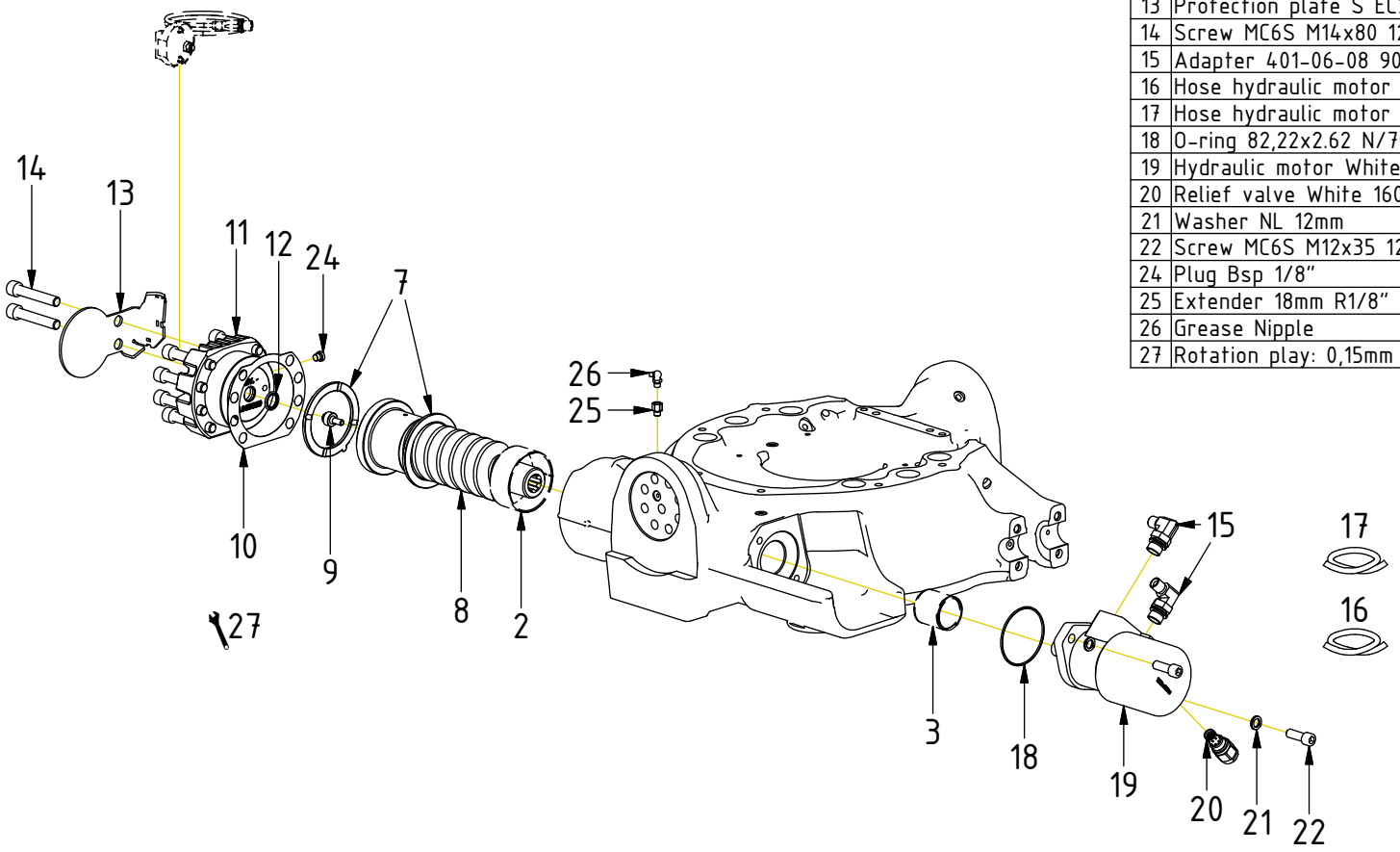
EC226 - Rotator frame

engcon®

EC226S:

Exploded view

ePS2 Sensors



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Bushing 85/90x40	630319	1	
3	Bushing WB802 45/50x50	630102	1	
7	Axial washer (with ear)	1016104	2	Face grooves toward worm screw
8	Worm Screw EC226	1016101	1	
9	Magnet Spacer Worm Screw	1062693	1	Loxeal 83-52. Torque: 20Nm
10	Shims kit End Lock 0,3-0,4-0,5mm	1043983	1	
11	End Lock S EC226 Cast	1065859	1	(POS.12 incl.)
12	Seal end lock 20x27.5x3.2	1063616	1	
13	Protection plate S EC226	1063521	1	
14	Screw MC6S M14x80 12.9 ZFSHL	6000354	8	Torque: 217Nm
15	Adapter 401-06-08 90° (3/8''-1/2'')	710157	2	
16	Hose hydraulic motor B QSM	7000957	1	Part of quick hitch assy.
17	Hose hydraulic motor A QSM	7000958	1	Part of quick hitch assy.
18	O-ring 82,22x2.62 N/70	7000920	1	
19	Hydraulic motor White 200cc	7001807	1	
20	Relief valve White 160/200cc	7001647	1	Torque: 55Nm. Assy. before motor
21	Washer NL 12mm	611042	10	QTY: 8 part of top part assembly
22	Screw MC6S M12x35 12.9 ZFSHL	6000150	2	Torque: 136Nm
24	Plug Bsp 1/8"	711503	1	
25	Extender 18mm R1/8"	712216	1	
26	Grease Nipple	711409	1	
27	Rotation play: 0,15mm - 0,25mm			Note rotation play on module card

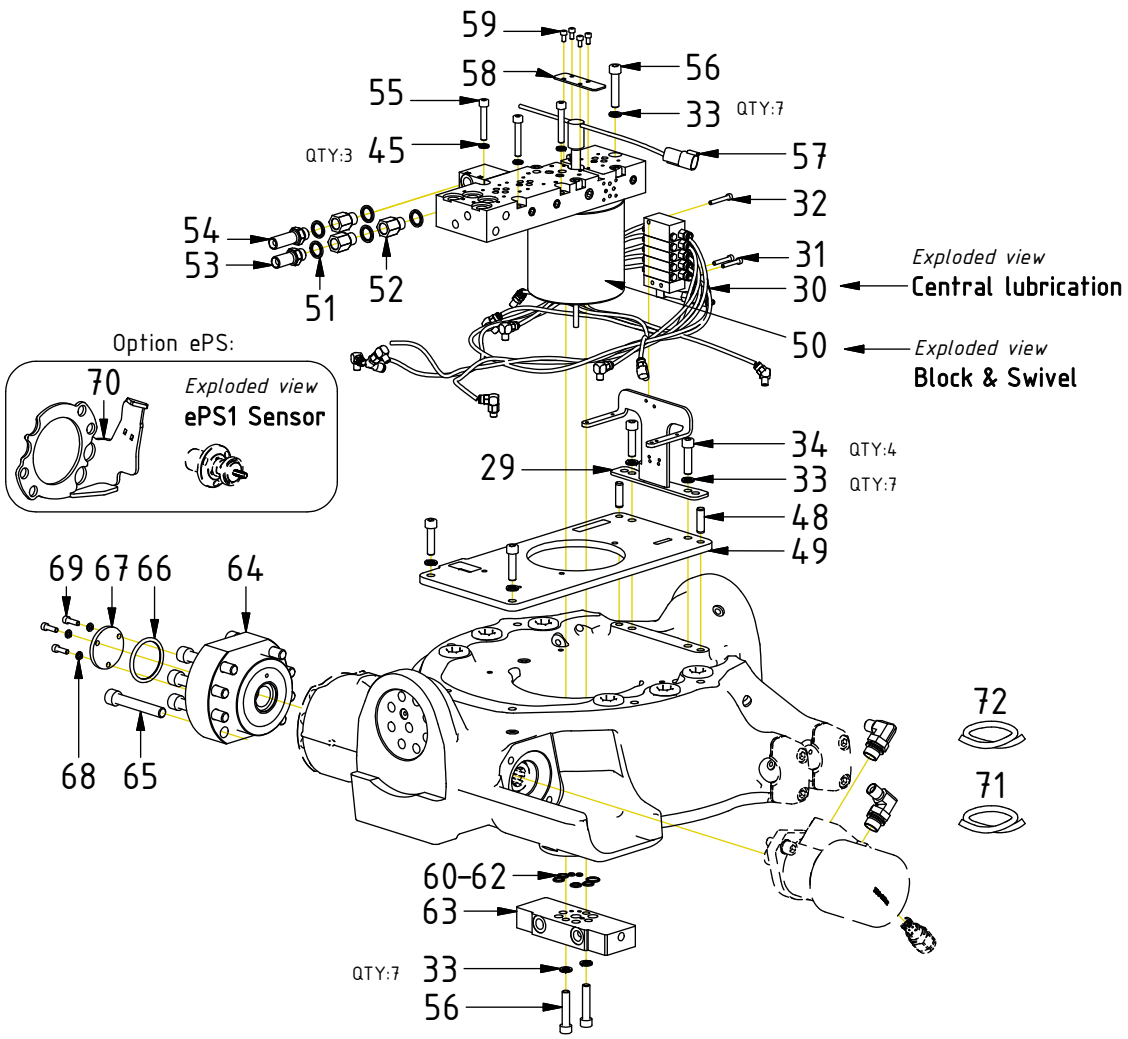
POS in order of assembly

EC226 - Rotator frame

engcon®

RELATED SPARE PARTS

EC226 ECHF



POS	DESCRIPTION	PART	QTY	COMMENTS
29	Mounting plate lube. ECHF/QSM	1031517	1	
30	Lubrication kit	1021136	1	
31	Screw MC6S M5x30 12.9	610403	2	
32	Screw MC6S M5x35 12.9	610404	1	
33	Washer NL 10mm	611041	2	
34	Screw MC6S M10x40 12.9 ZFSHL	612020	2	Torque: 79Nm
45	Washer NL 8mm	611040	2	
48	Cylindrical pin	1015672	2	
49	Valve plate ECHF	1024824	1	
50	Valve bl. & Swivl for slipring Compl.	1027386	1	
51	Washer GBR06 3/8	710703	5	
52	Adapter 236-06-06	710131	3	
53	Adapter 1260-06-32 (3/8")	710242	1	
54	Adapter 1260-06-43 (3/8")	710262	1	
55	Screw MC6S 8x50H 12.9	610439	3	
56	Screw MC6S M10x50 12.9 ZFSHL	611515	3	
57	Kit slip ring ECHF DTM	1030298	1	For QS. See "Slip rings"
58	Cover plate slip ring	1026200	1	
59	Screw MC6S M5x10 12.9	610594	4	
60	O-ring 6,07x1,78	712422	2	
61	O-ring 12,42x1,78	710973	4	
62	O-ring 15,6x1,78	710912	1	
63	Connection block ECHF	1028391	1	Guide with spring pin from swivel
64	End lock EC226 V2	1056095	1	
65	Screw MC6S M14x90 12.9 ZFSHL	6000158	8	Torque: 217Nm
66	O-ring 27x5	7000485	1	
67	Cover end lock	1041613	1	
68	Washer NL 6mm	611039	3	
69	Screw MC6S M6x20 A4-80	611513	3	
70	Protection ePS	1055677	1	For ePS1
71	Hose hydraulic motor Long ECHF	7001404	1	
72	Hose hydraulic motor Short ECHF	7000026	1	

POS in order of assembly

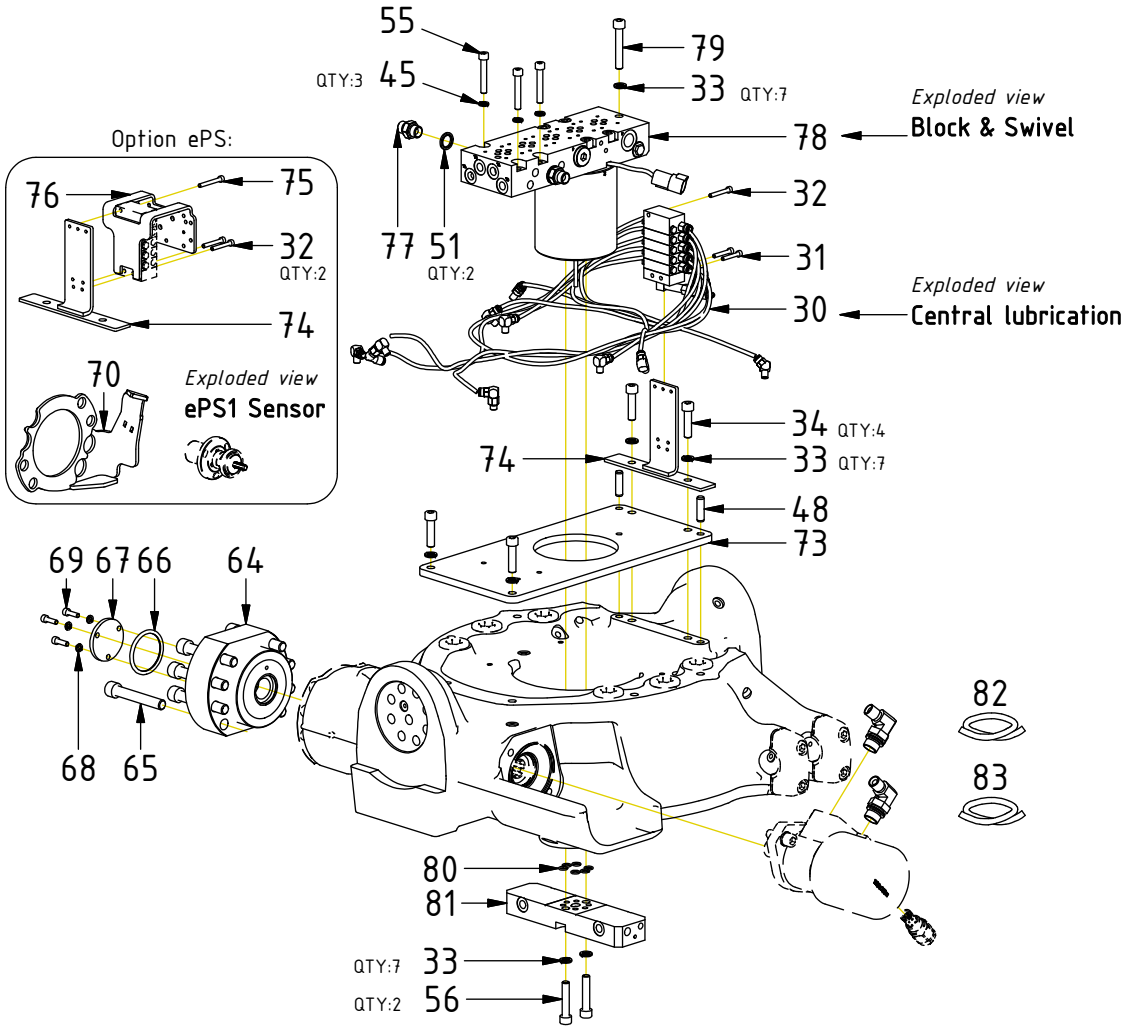
Parts history on p.6

EC226 - Rotator frame

engcon®

RELATED SPARE PARTS

EC226 6-ch



POS	DESCRIPTION	PART	QTY	COMMENTS
30	Lubrication kit	1021136	1	
31	Screw MC6S M5x30 12.9	610403	2	
32	Screw MC6S M5x35 12.9	610404	1	
33	Washer NL 10mm	611041	2	
34	Screw MC6S M10x40 12.9 ZFSHL	612020	2	Torque: 79Nm
45	Washer NL 8mm	611040	2	
48	Cylindrical pin	1015672	2	
51	Washer GBR06 3/8	710703	5	
55	Screw MC6S 8x50H 12.9	610439	3	
56	Screw MC6S M10x50 12.9 ZFSHL	611515	3	
64	End lock EC226 V2	1056095	1	
65	Screw MC6S M14x90 12.9 ZFSHL	6000158	8	Torque: 217Nm
66	O-ring 27x5	7000485	1	
67	Cover end lock	1041613	1	
68	Washer NL 6mm	611039	3	
69	Screw MC6S M6x20 A4-80	611513	3	
70	Protection ePS	1055677	1	For ePS1
73	Valve plate	1011515	1	
74	Mounting plate lubrication 6-ch	1018052	1	
75	Screw MC6S M5x40 12.9	610405	1	
76	Mounting plate angle sensor ePS	1029973	1	
77	Adapter 136-06-06 (3/8")	710106	2	
78	Valve bl. & Swivel w. slipring Compl.	1030297	1	
79	Screw MC6S M10x60 12.9	610460	1	
80	O-ring 9,25x1,78	710901	6	
81	Connection block 6-ch	1024045	1	"1" on swivel against "X" on block
82	Hose hydraulic motor Long 6-ch	742332	1	
83	Hose hydraulic motor Short 6-ch	742331	1	

POS in order of assembly

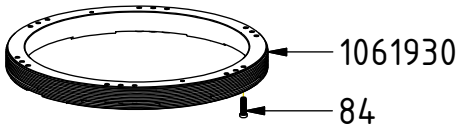
Parts history on p.6

EC226 - Rotator frame

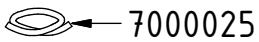
engcon®

RELATED SPARE PARTS

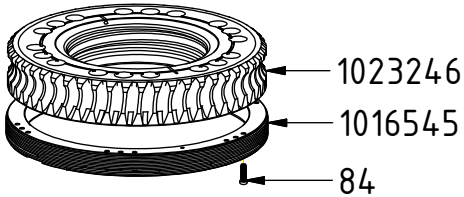
Replaced from 2024-10:



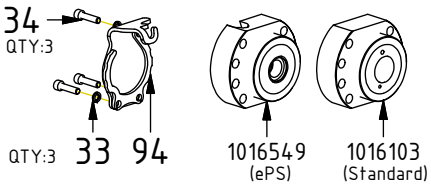
Replaced by POS.71
from 2020-10:



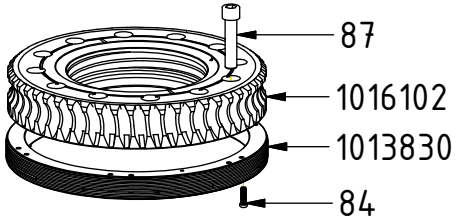
Replaced from 2020-06:



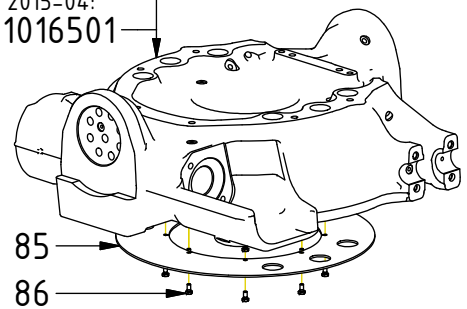
Replaced from 2020-07:



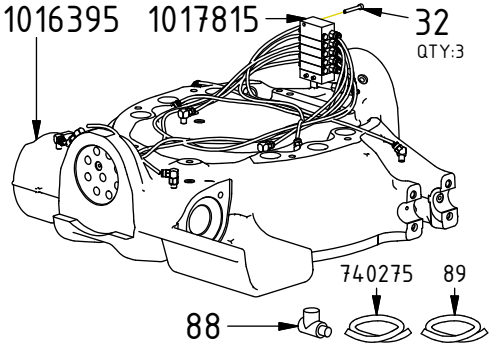
Replaced from 2013-03:



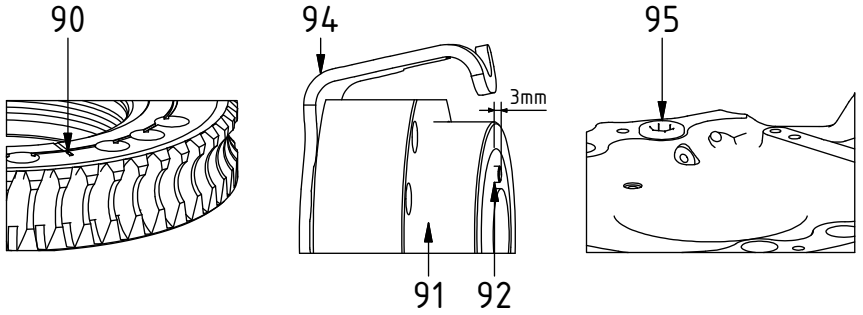
Replaced from
2016-05:
1023306
2015-04:
1016501



Replaced from 2013-01:



MACS:



POS	DESCRIPTION	PART	QTY	COMMENTS
1	Rotator frame EC226 V4	1023732	1	(POS.2-3 incl.)
4	Worm wheel EC226 24 holes	1057021	1	
6	Bearing ring EC226 V2	1077002	1	(Only compatible with 8x25)
23	Screw TX45 8x25 10,9 FZB	1078840	18	Torque: 34Nm Tighten in cross pattern
32	Screw MC6S M5x35 12.9	610404	1	
33	Washer NL 10mm	611041	2	
34	Screw MC6S M10x40 12.9 ZFSHL	612020	2	Torque: 79Nm
64	End lock EC226 V2	1056095	1	
70	Protection ePS	1055677	1	For ePS1
71	Hose hydraulic motor Long ECHF	7001404	1	
82	Hose hydraulic motor Long 6-ch	742332	1	
83	Hose hydraulic motor Short 6-ch	742331	1	
84	Screw TX45 M8x30 FZB 10,9	612201	18	Torque: 34Nm. Used until 2024-10
85	Wear washer	1011242	1	Used until 2016-05
86	Screw M6S M6x12 8,8 FZB	610108	8	Used until 2016-05
87	Screw MC6S 20x90 12.9	610556	12	Used until 2013-10
88	Adapter DSVW-15 LR	710510	1	Used until 2013-03
89	Hose hydraulic motor v1 Short 6-ch	740274	1	Replaced by POS.83 from 2013-03
90	MACS Magnet 8x5x3	6000047	1	Loctite 415. Harden 1 minute
91	MACS End Lock EC226	1028331	1	
92	MACS Inductive sensor M8 PNP	1043698	1	Distance 3mm. Nut torque: 3Nm
93	MACS Inductive sensor M8-M12	1028045	1	Replaced by POS.92 from 2017-08 Distance 4mm. Nut torque: 3Nm
94	MACS Protection	1016554	1	(Also for ePS until 2020-07)
95	MACS Pipe Plug M36/M8	650411	1	

POS in order of assembly