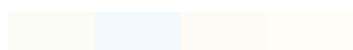


PARTS LIST

V44

MULTIPLE USE CUTTER/CRUSHER

ACDE



Nederland B.V.



SUPPLY PERIOD OF SPARE PARTS

Thank you for purchasing a Furukawa Rock Drill product.

Please note that the supply of spare parts will be assured for 10 years after the termination of production. Although the supply of spare parts is terminated in principle at the maturity of the subject supply period, we may be able to supply them upon request even after the expiration of the supply period on condition that the delivery date and price are subject to negotiation.

Even if it is within the supply period, however, the delivery date, price, etc. may be subject to negotiation when it is difficult to keep stocks should the purchased parts, such as electronic parts, etc., be not available because the manufacturer does not produce them anymore.

If you have any questions about any particular model subject to the warranty as stated above and the time limit of spare parts supply, please contact your nearest FRD Europe B.V. distributor.



USING THE PARTS LIST

1. This parts list describes the components of a multiple use cutter/crusher.
2. When ordering a part, refer to the illustrations and lists in this parts list and then inform the FRD Europe B.V. distributor in your area of the following items.
 - (1) Model name
 - (2) Serial No.
 - (3) Part No.
 - (4) Part name
 - (5) Quantity
3. Use "Genuine Furukawa Rock Drill Parts" when replacing all parts.
4. The illustrations in this parts list show the positions and shapes of the parts so that a user can order a part without any problem.

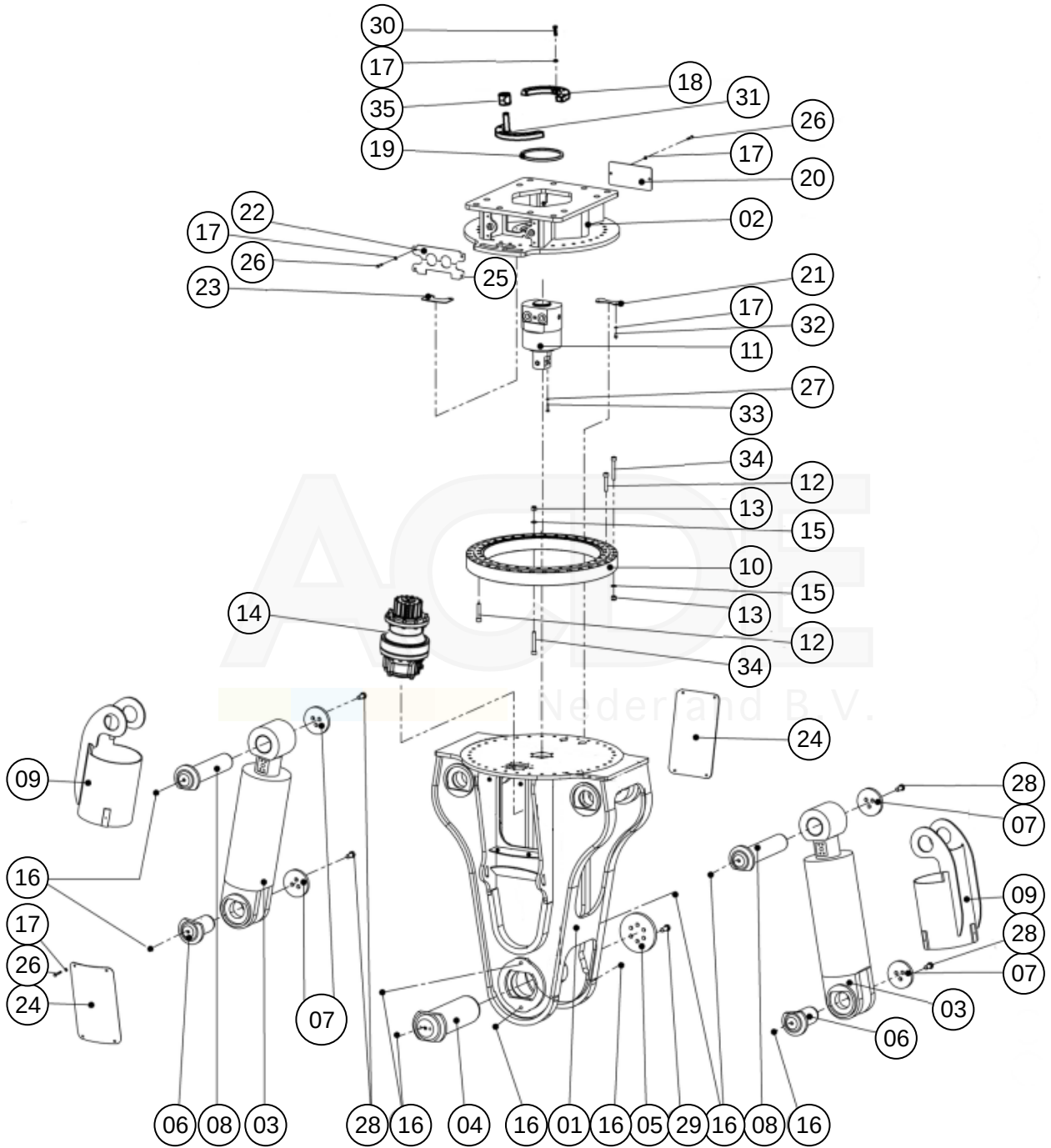
Do not repair a multiple use cutter/crusher by using this parts list.
5. The parts in this list are subject to change for improvement without notice on the part of the manufacturer.

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GROUP NAME	PAGE
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CUTTER/CRUSHER FRAME ASSEMBLY



CUTTER/CRUSHER FRAME ASSEMBLY

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
01	V44-02001	FRAME ASSEMBLY	1	
02	VR56ER-02218	FLAT TOP BRACKET	1	
03	V44-91001	HYDRAULIC CYLINDER	2	SEE PAGE 02-01
04	V44-02501	CENTRE PIN	1	
05	V44-02502	COVER	1	
06	VR56ER-02514	CYLINDER PIN - LOWER	2	
07	VR56ER-02513	COVER	4	
08	V44-02503	CYLINDER PIN - UPPER	2	
09	V44-01018	ROD GUARD	2	
10	VR56ER-93003	SWIVEL BEARING	1	
11	VR42ER-94001	HYDRAULIC SWIVEL JOINT ASSEMBLY	1	
12	102032-20100	HEXAGON SOCKET BOLT	28	M20 X 100 10.9
13	VR56ER-02511	SELF LOCKING NUT	44	M20
14	**	ROTATION MOTOR ASSEMBLY	**	SEE PAGE 03-01
15	HB3R-81114E	DISC WASHER	44	M20
16	VS30E-02508	GREASE NIPPLE	9	
17	NORDLOCK 12	DISC WASHER	22	M12
18	VR42ER-02503	SEMI CIRCULAR LOCKING RING	1	
19	VR42ER-02510	SEAL	1	
20	VR42ER-02507	COVER	1	
21	V44-02505	COVER	1	
22	VR56ER-02505	DUST COVER	1	
23	VR56ER-02507	DUST COVER	1	
24	V44-02506	COVER	2	
25	VR56ER-02504	DUST COVER	1	
26	101022-12025	HEXAGON BOLT	14	M12 X 25 8.8
27	VM19ER-08508	DISC WASHER	12	M12
28	101033-24050	HEXAGON BOLT FINE THREAD	12	M24 X 2 X 50 10.9
29	101033-24060	HEXAGON BOLT FINE THREAD	6	M24 X 2 X 60 10.9
30	101032-12055	HEXAGON BOLT	8	M12 X 55 10.9
31	VR42ER-02502	SEMI CIRCULAR LOCKING RING	1	
32	101022-10020	HEXAGON BOLT	2	M10 X 20 8.8
33	101032-12040	HEXAGON BOLT	6	M12 X 40 10.9
34	102032-20130	HEXAGON SOCKET BOLT	44	M20 X 130 10.9
35	VR42ER-02504	ANTI ROTATION BLOCK	1	
**	VM32ER-98011	ROTATION MOTOR SEAL KIT	**	
**	V44-94011	HYDRAULIC SWIVEL JOINT SEAL KIT	**	

CUTTER/CRUSHER FRAME ASSEMBLY

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
**	VM32ER-98021	REDUCTION GEAR/BRAKE SEAL KIT	**	

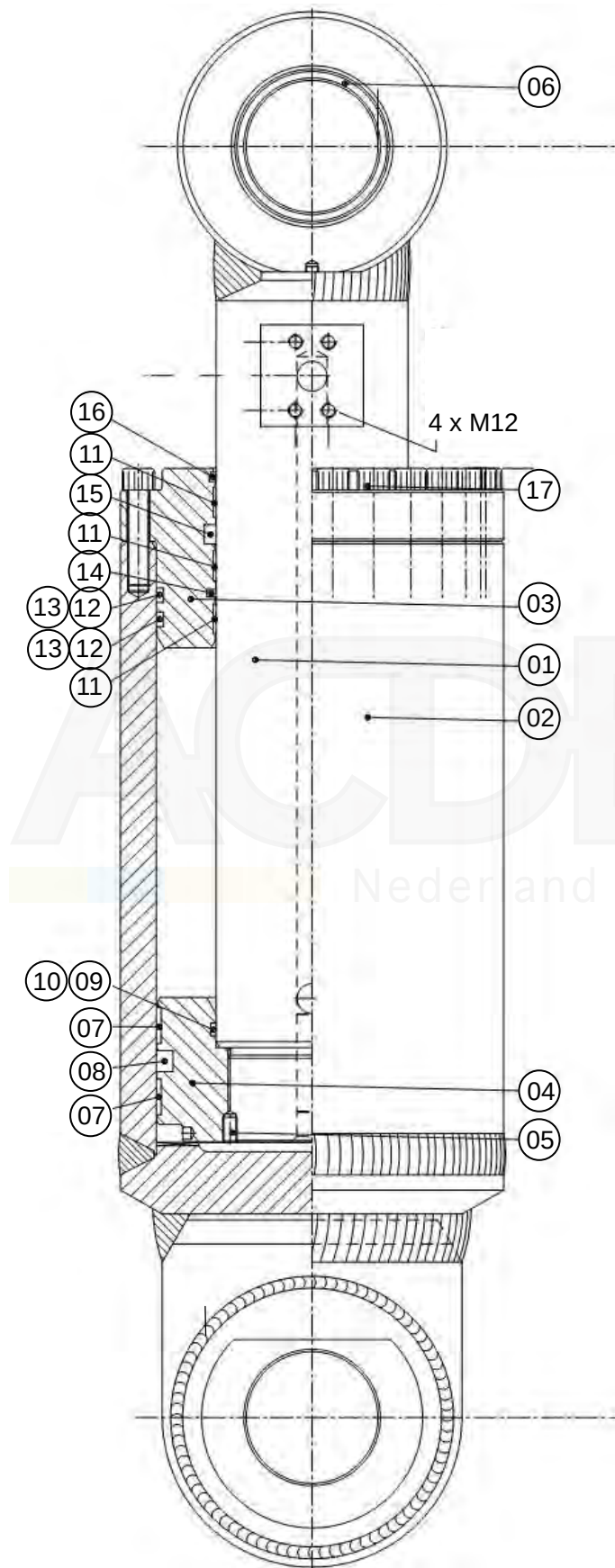


SERVICE MEMO

Service memo template with horizontal lines for writing.



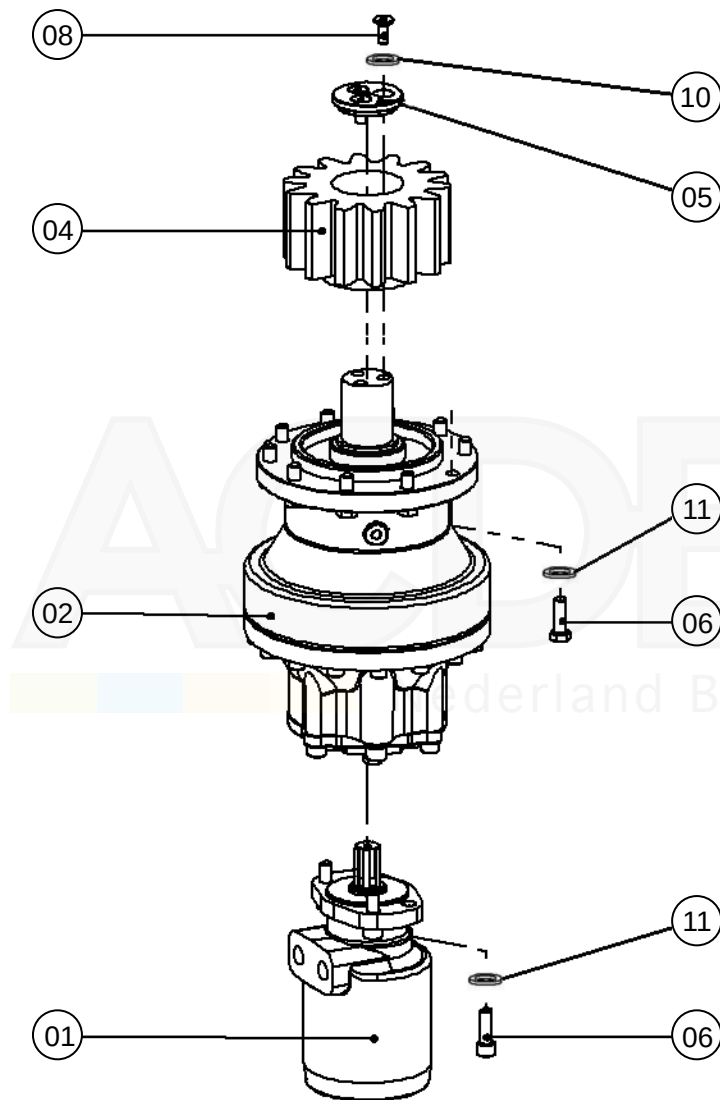
HYDRAULIC CYLINDER



HYDRAULIC CYLINDER

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	V44-91001	HYDRAULIC CYLINDER ASSEMBLY	1	(ITEMS 1 - 17)
01	V44-01501	PISTON ROD	1	
02	V44-01502	CYLINDER TUBE	1	
03	V44-01503	PISTON HEAD	1	
04	V44-01504	PISTON	1	
05	V44-01505	SET SCREW	2	
06	V44-01506	BUSHING	2	
07	V44-01507	PISTON GUIDE	2	
08	V44-01508	PISTON SEAL	1	
09	V44-01509	PISTON SEAL	1	
10	V44-01510	PISTON SEAL	2	
11	V44-01511	ROD GUIDE	3	
12	V44-01512	SEAL	2	
13	V44-01513	SEAL	2	
14	V44-01514	ROD SEAL	1	
15	V44-01515	ROD SEAL	1	
16	V44-01516	SCRAPER RING	1	
17	V44-01517	HEXAGON SOCKET BOLT	26	
**	V44-91011	CYLINDER SEAL KIT	**	(ITEMS 7 - 16)

ROTATION MOTOR ASSEMBLY

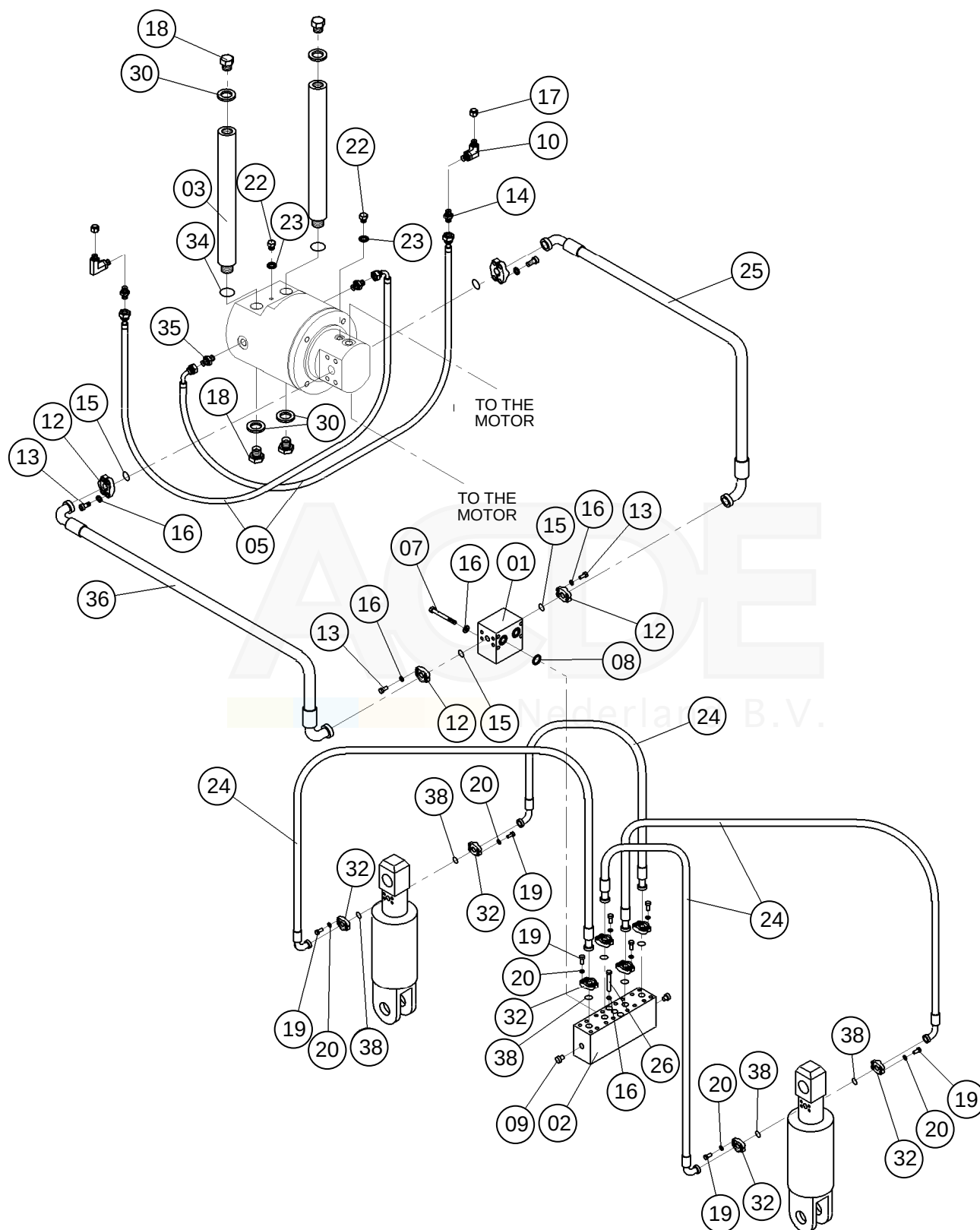


ROTATION MOTOR ASSEMBLY

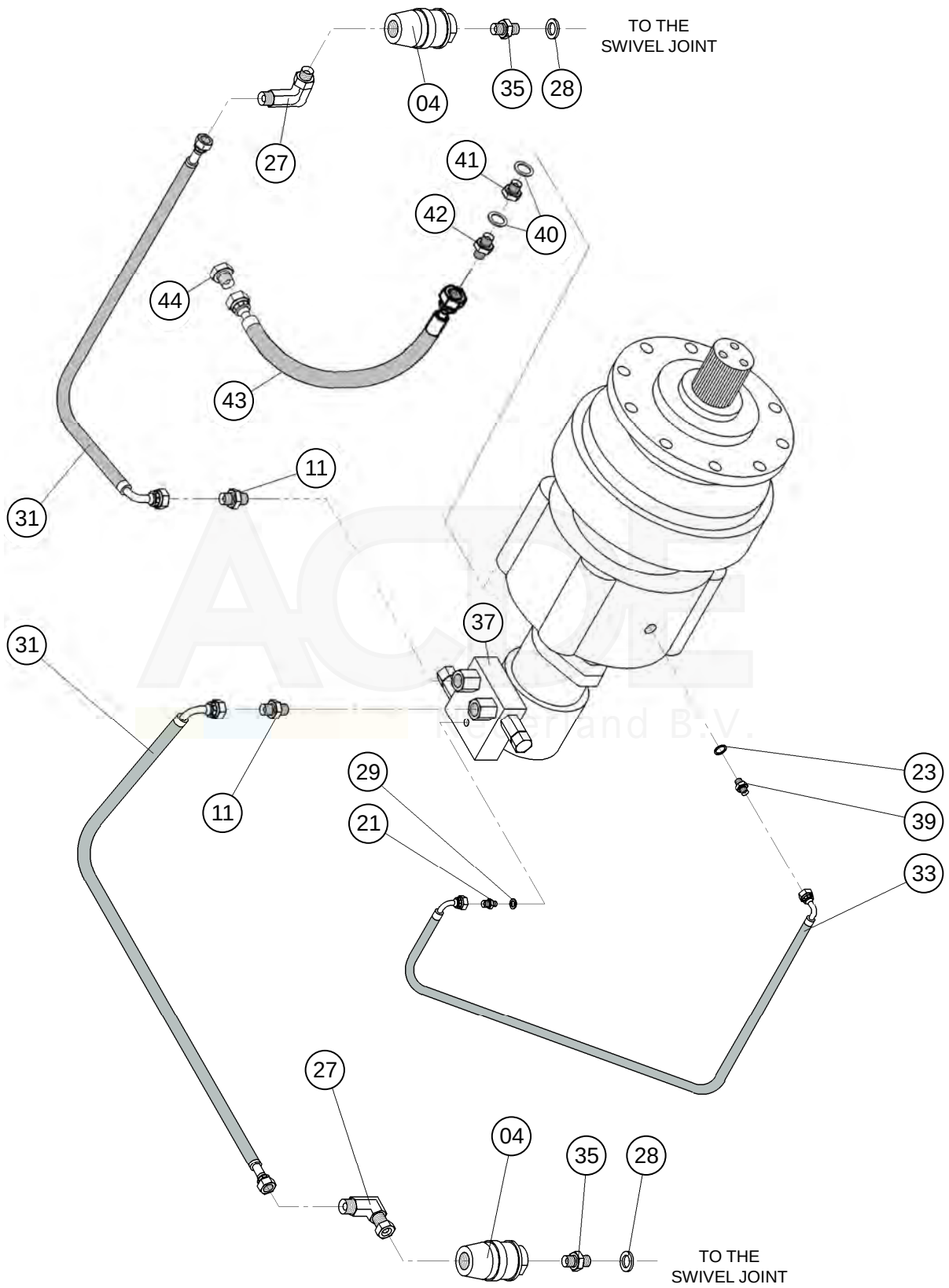
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
01	VR26ER-08116	ROTATION MOTOR	1	
02	VM32ER-98501	REDUCTION GEAR ASSEMBLY	1	
04	VM32ER-08503	GEAR	1	
05	VM32ER-08505	FLANGE	1	
06	101032-12035	HEXAGON BOLT	12	M12 X 35 10.9
08	101032-10025	HEXAGON BOLT	3	M10 X 25 10.9
10	VMX25ER-03502	DISC WASHER	3	M10
11	VM19ER-08508	DISC WASHER	12	M12
**	VM32ER-98011	ROTATION MOTOR SEAL KIT	**	
**	VM32ER-98021	REDUCTION GEAR/BRAKE SEAL KIT	**	
**	V44-98031	REDUCTION GEAR SEAL KIT	**	

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HYDRAULIC SYSTEM



HYDRAULIC SYSTEM



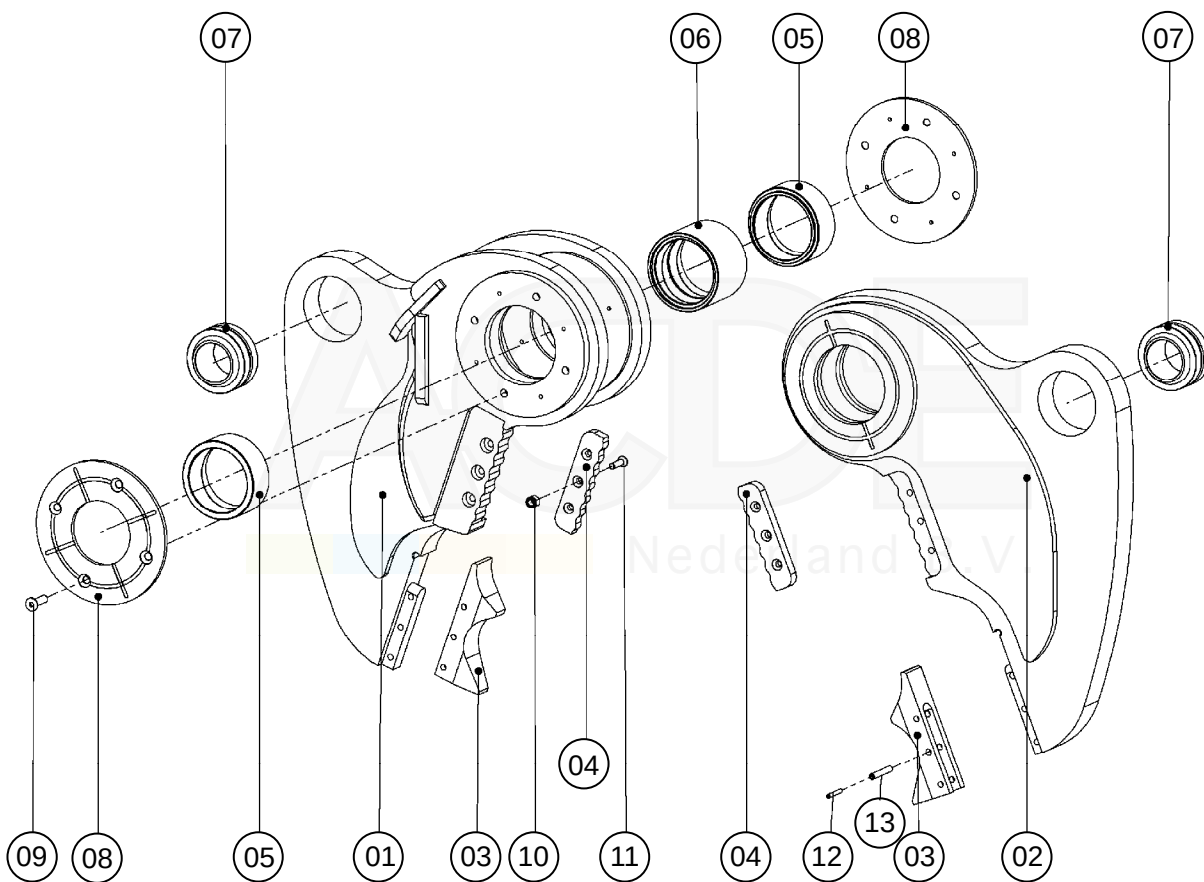
HYDRAULIC SYSTEM

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
01	VS22-94016	ACCELERATION VALVE ASSEMBLY	1	
02	V44-03501	DISTRIBUTION BLOCK	1	
03	VR42ER-03501	EXTENSION TUBE	2	
04	VM19ER-03503	VALVE	2	
05	VR42ER-03503	HOSE ASSEMBLY	2	
07	101032-14135	HEXAGON BOLT	4	M14 X 135 10.9
08	161021-00035	O-RING	2	
09	V44-03502	PLUG	2	
10	VM32ER-03530	45° ELBOW FITTING	2	
11	VM19ER-03526	CONNECTOR	2	
12	VS30E-03509	SPLIT FLANGE	4	
13	VM60ER-03501	HEXAGON SOCKET BOLT	16	M14
14	VM32ER-03510	CONNECTOR	2	
15	161021-00038	O-RING	4	
16	VX100ER-03509	DISC WASHER	23	M14
17	VM32ER-03531	PLUG	2	
18	VR42ER-03507	PLUG	4	
19	101032-12040	HEXAGON BOLT	32	M12 X 40 10.9
20	VM19ER-08508	DISC WASHER	32	M12
21	VM32ER-03514	CONNECTOR	1	
22	VM19ER-03515	PLUG	3	
23	VM19ER-03516	SEAL	4	
24	V44-03503	HOSE ASSEMBLY	4	
25	V44-03504	HOSE ASSEMBLY	1	
26	102032-14100	HEXAGON SOCKET BOLT	3	M14 X 100 10.9
27	VM32ER-03529	90° ELBOW FITTING	2	
28	VM19ER-03527	SEAL	2	
29	VM32ER-03515	SEAL	1	
30	VR42ER-03509	SEAL	4	
31	V44-03505	HOSE ASSEMBLY	2	
32	VS30E-03504	SPLIT FLANGE	8	
33	VM32ER-03523	HOSE ASSEMBLY	1	
34	VR76ER-03503	O-RING	2	
35	VM32ER-03524	CONNECTOR	4	
36	V44-03506	HOSE ASSEMBLY	1	
37	VM32ER-03525	VALVE BLOCK	1	
38	VS30E-03503	O-RING	8	

HYDRAULIC SYSTEM

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
39	VM32ER-03535	CONNECTOR	1	
40	VX100ER-03511	SEAL	2	
41	VX100ER-03512	CONNECTOR	1	
42	VX100ER-03513	CONNECTOR	1	
43	VX100ER-03514	HOSE ASSEMBLY	1	
44	VM19ER-03512	PLUG	1	
				

STANDARD (P) JAW ASSEMBLY

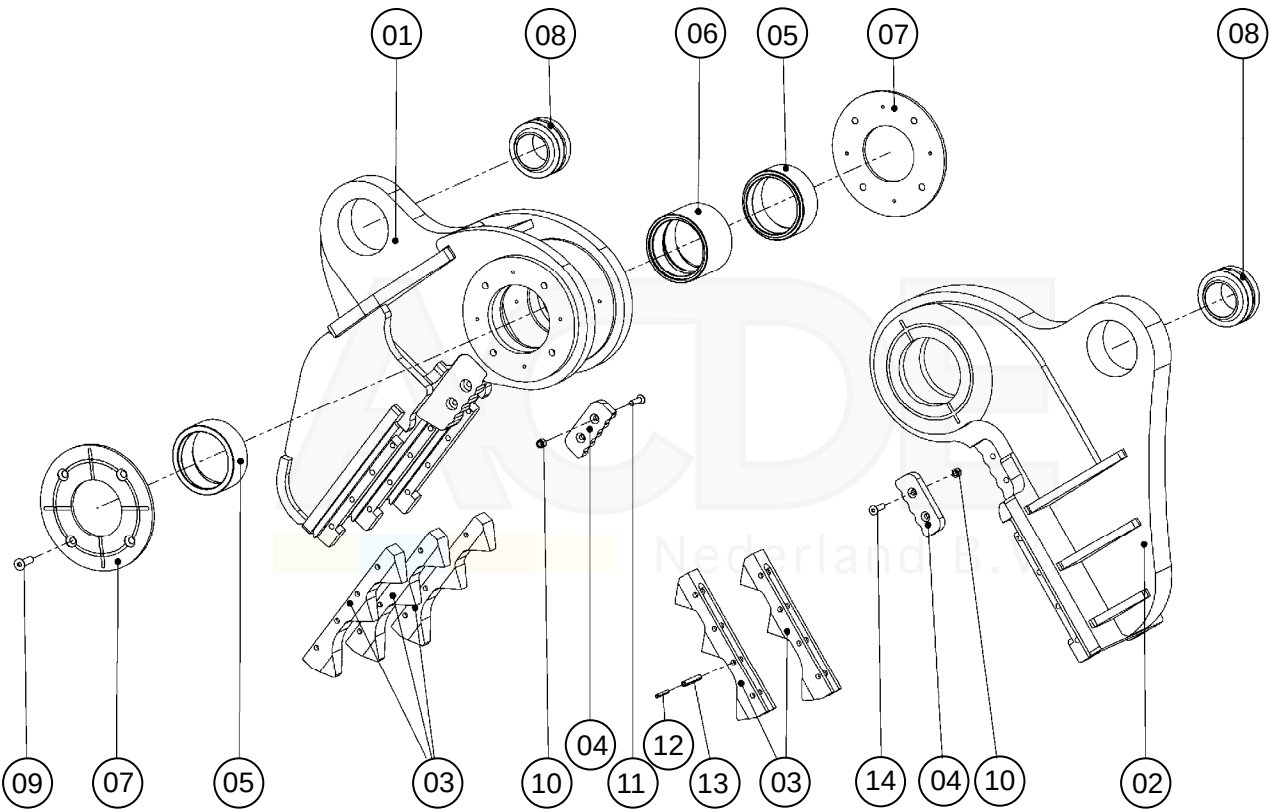


STANDARD (P) JAW ASSEMBLY

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
01	V44P-02801	JAW (F)	1	M16
02	V44P-02802	JAW (M)	1	
03	V44P-02803	TOOTH	2	
04	VS30E-02024	CUTTER BLADE	2	
05	V44P-02804	BUSHING	2	
06	V44P-02805	BUSHING	1	
07	V44P-02806	SPHERICAL BUSHING	2	
08	V44P-02807	RETAINING PLATE	2	
09	V44P-02808	COUNTERSUNK SCREW	8	
10	VS30E-02506	SELF-LOCKING NUT	6	
11	V34P-02808	COUNTERSUNK SCREW	6	
12	V22P-02810	SPRING PIN	6	
13	V22P-02812	SPRING PIN	6	

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SECONDARY (S) JAW ASSEMBLY

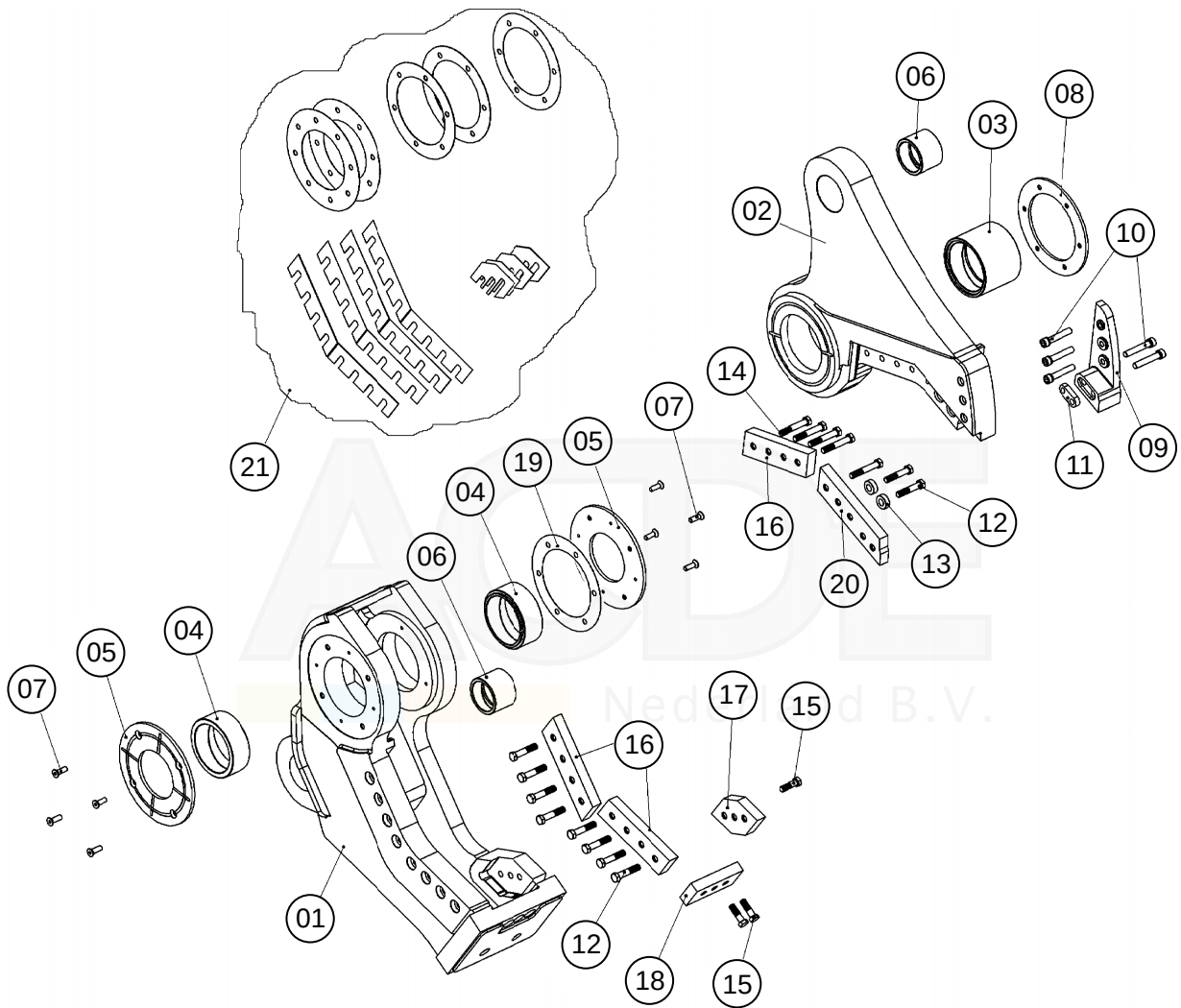


SECONDARY (S) JAW ASSEMBLY

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
01	V44S-02801	JAW (F)	1	M16
02	V44S-02802	JAW (M)	1	
03	V34S-02803	TOOTH	5	
04	VM32ER-02024	CUTTER BLADE	2	
05	V44P-02804	BUSHING	2	
06	V44P-02805	BUSHING	1	
07	V44P-02807	RETAINING PLATE	2	
08	V44P-02806	SPHERICAL BUSHING	2	
09	V44P-02808	COUNTERSUNK SCREW	8	
10	VS30E-02506	SELF-LOCKING NUT	4	
11	V34P-02808	COUNTERSUNK SCREW	2	
12	V11M-02806	SPRING PIN	20	
13	V11M-02807	SPRING PIN	20	
14	V44S-02803	COUNTERSUNK SCREW	2	

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STEEL CUTTER (C) JAW ASSEMBLY



STEEL CUTTER (C) JAW ASSEMBLY

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
01	V44C-02801	JAW (F)	1	
02	V44C-02802	JAW (M)	1	
03	V44C-02810	BUSHING	1	
04	V44C-02811	BUSHING	2	
05	V44C-02815	RETAINING PLATE	2	
06	V44C-02812	BUSHING	2	
07	VS40E-02509	COUNTERSUNK SCREW	8	
08	V44C-02816	RETAINING PLATE	1	
09	VR42ER-02621	TOOTH	1	
10	VR42ER-02626	HEXAGON SOCKET BOLT	5	
11	VR42ER-02601	SPACER	1	
12	VR26ER-02638	HEXAGON BOLT	10	
13	VR26ER-02634	SPACER	2	
14	VR26ER-02632	HEXAGON BOLT	5	
15	VR26ER-02629	HEXAGON BOLT	6	
16	V44C-02627	CUTTER BLADE	3	
17	VR26ER-02626	CUTTER BLADE	1	
18	VR42ER-02615	CUTTER BLADE	1	
19	V44C-02820	SHIM	1	
20	VR42ER-02624	CUTTER BLADE	1	
21	V44C-29000	SHIM SET	1	



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