



Partsbook
for
Rotatable shear
DRS-60-A

Product	Part Number	Ref.
DRS-60-A Serie 2	DRS060B523BAA5	



Partsbook_drs060b523baa5-a.docx

November 2013

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Housing GP

1

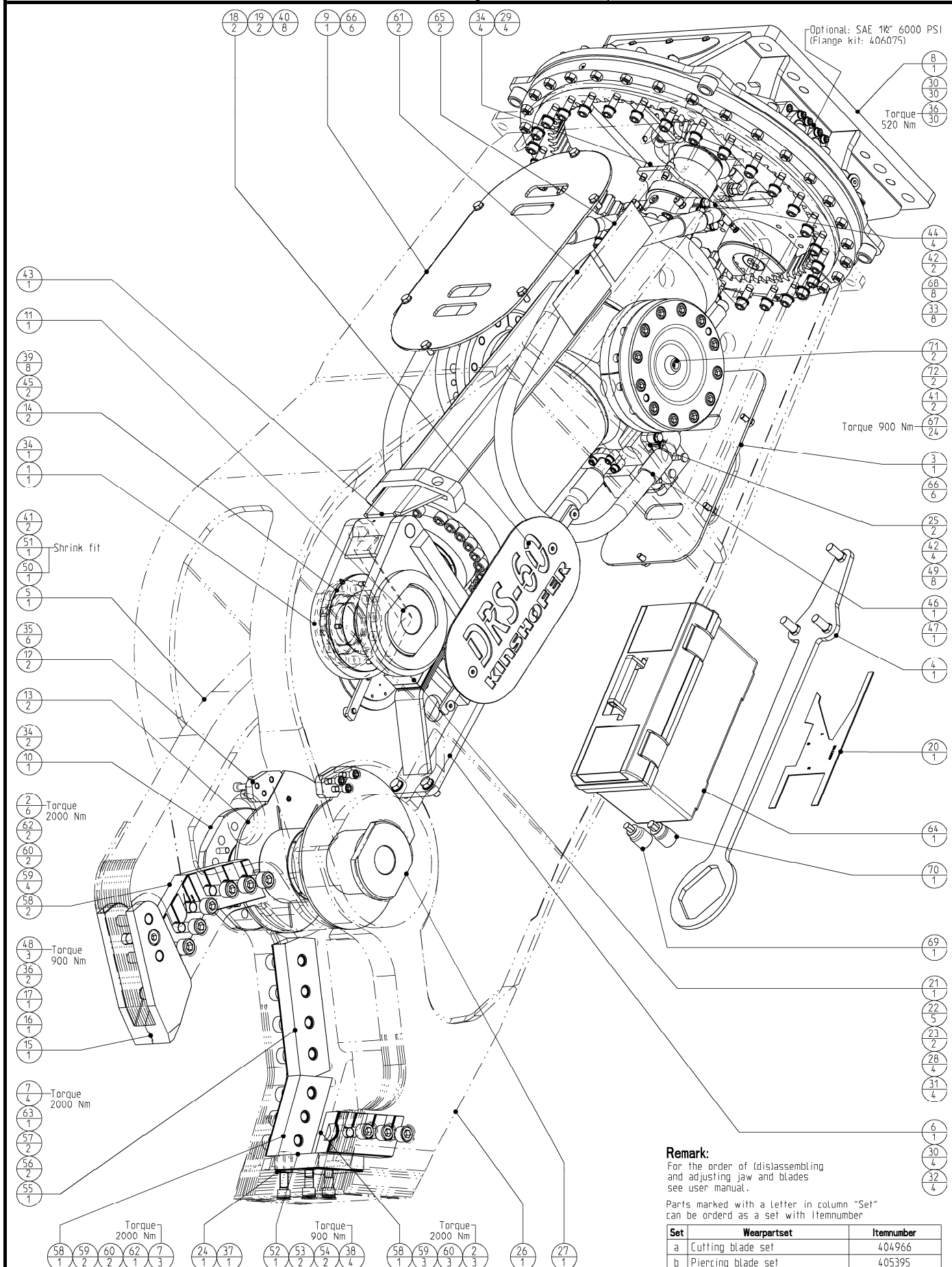
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Rotatable Shear

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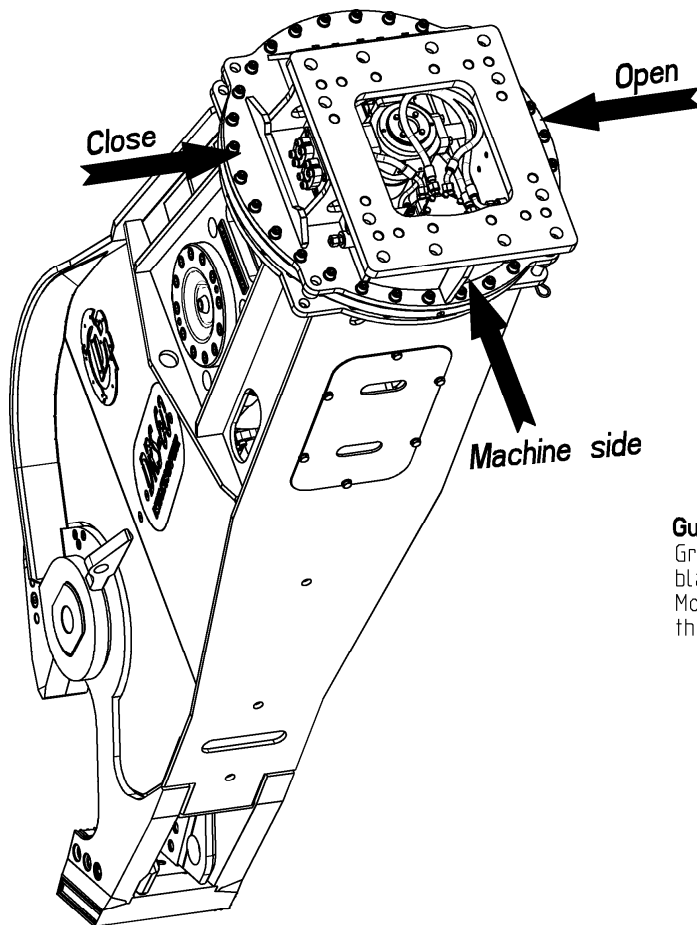
Product type

DRS-60-A

Housing GP

Number

DRS060B523BAA5-A

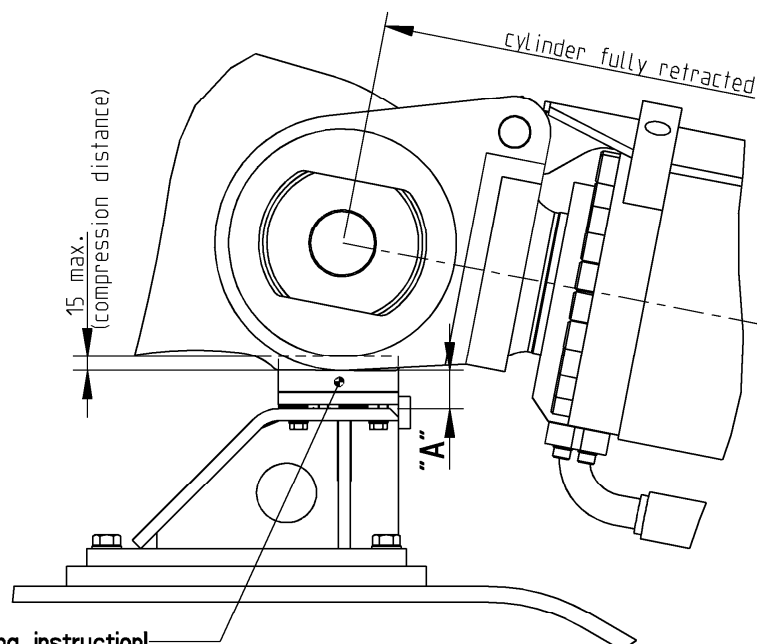
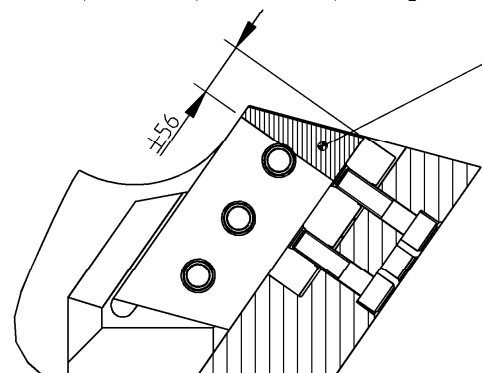


Open/Close

- SAE 1 1/4" 6000 PSI
- 2 Connections parallel
- Both sides

Guiding blade mounting instruction!

Grind the indicated area of the guiding blade parallel to the piercing blade.
Mount the guiding blade with shims with the smallest possible space to the piercing blade.

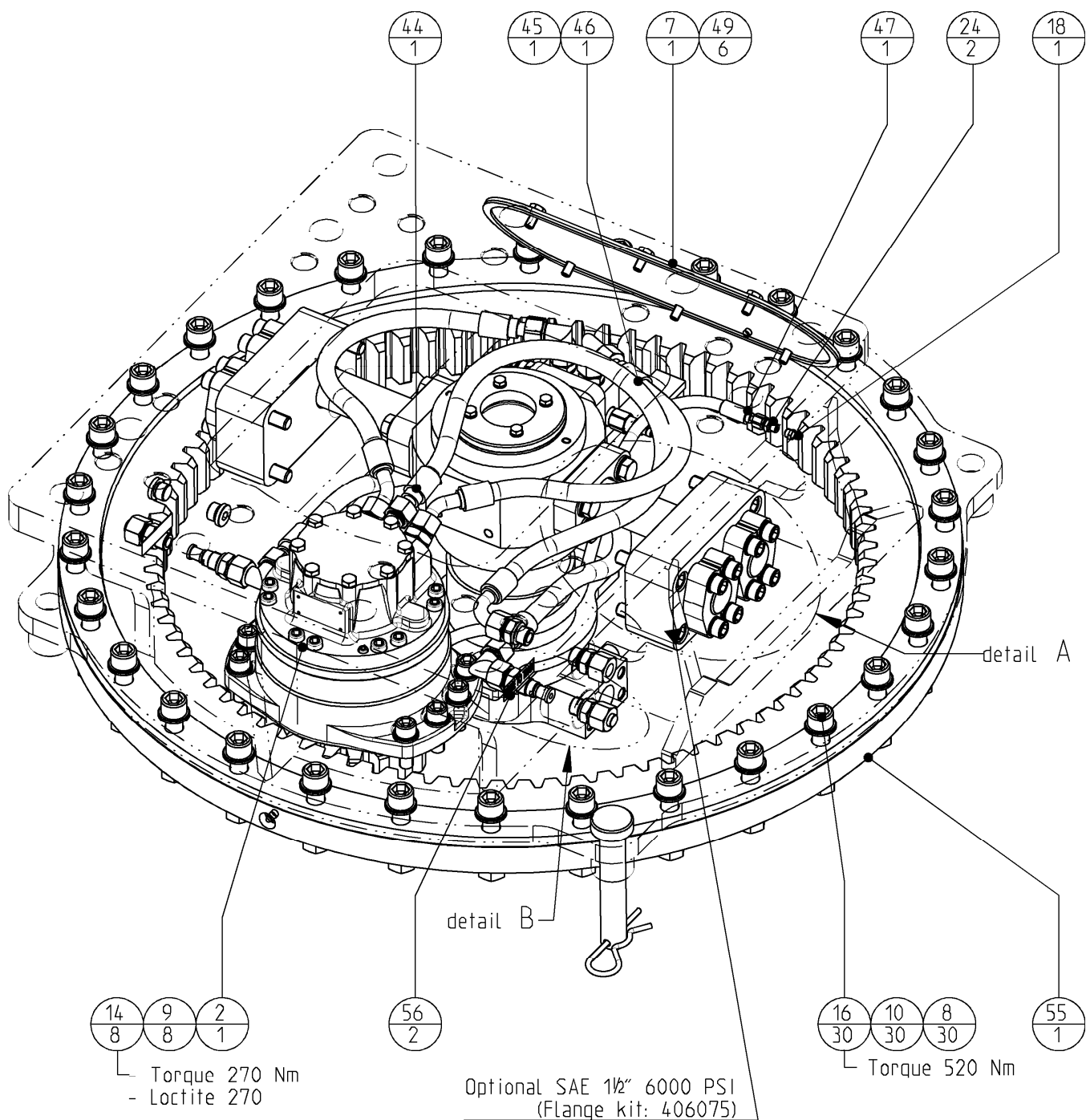


Stop mounting instruction!

- Retract cylinder fully
- Measure distance "A" rod eye - stop asm. (405052)
- Stop (406042) + shims (406043 / 406044) = "A" + 15 mm

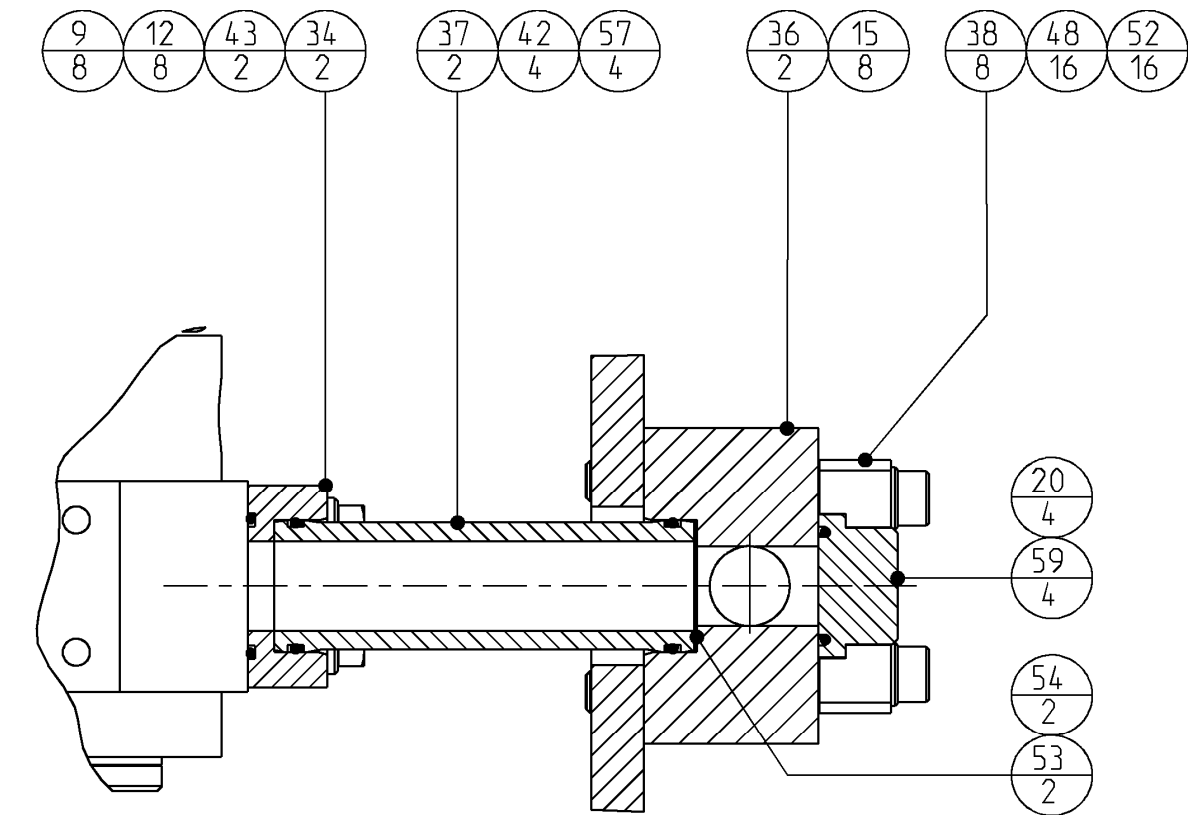
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					Date		November 2013					
					Product type		DRS-60-A					
Housing GP					Number		DRS060B523BAA5-A					
							40	500358	Flat countersunk head cap screws			8
							39	500347	Flat countersunk head cap screws			8
							38	500285	Hex. socket head cap screw			4
							37	500281	Hex. socket head cap screw			1
						b	36	500276	Hex. socket head cap screw			32
							35	500264	Hex. socket head cap screw			6
							34	500258	Hex. socket head cap screw			7
							33	500205	Bolts Hexagon			8
	72	783062750	Ring	2			32	500159	Bolts Hexagon			4
	71	783062740	Bearing housing	2			31	500132	Bolts Hexagon			4
	70	192072799	Screwdriver bit socket	1			30	500055	Washer HV			34
	69	192072798	Screwdriver bit socket	1			29	500054	Washer HV			4
	68	122000163	Washer normal	8			28	500053	Washer HV			4
	67	120060890	Hex. socket head cap screw	24			27	406094	Pin			1
	66	120015514	Bolts Hexagon - self locking	12			26	406085	Housing machined			1
	65	508152	Sticker	2			25	406073	Flange - intermed. SAE 1¼"			2
	64	508136	Toolbox GP	1			24	406071	Lock			1
a	63	508134	Shim - straight	1			23	406044	Shim			2
a	62	508129	Shim - diamond	3			22	406043	Shim			5
	61	508113	Sticker	2			21	406042	Stop - vulcanized rubber			1
a	60	508104	Shim - diamond	7			20	405742	Fixture DRS-60/75/90			1
a	59	508103	Shim - diamond	9			19	405519	Lockbar - cover			2
a	58	508102	Shear - blade diamond	4			18	405516	Cover asm.			2
a	57	508101	Shim - straight	2		b	17	405398	Lockpin			1
a	56	508100	Shim - straight	2		b	16	405397	Piercingblade (V2) RH			1
a	55	508099	Shear - blade trapezium	1		b	15	405396	Piercingblade (V2) LH			1
a	54	508088	Shim - straight	2			14	405142	Spacer			2
a	53	508087	Shim - straight	2			13	405141	Spacer			2
a	52	508086	Shear - blade straight	1			12	405140	Lockplate			2
	51	507008	Bushing	1			11	405079	Pin			1
	50	507007	Bushing	1			10	405078	Locknut			1
	49	506050	Bolts Hexagon	8			9	405075	Cover			1
b	48	506025	Shoulder bolt	3			8	405057	Rotatorhead GP			1
	47	505101_RM405010-2	Hydr. hose asm. 1¼" SAE 100R15	1		a	7	405056	Hex. socket head cap screw			7
	46	505101_RM405010-1	Hydr. hose asm. 1¼" SAE 100R15	1			6	405052	Stop asm.			1
	45	504100	Scraper	2			5	405046	Jaw asm. machined			1
	44	503504	SAE split-flange	4			4	404986	Key GP			1
	43	501350_DRS	Hydraulic Cylinder & Valve GP	1			3	404911	Cover			1
	42	500603	O-ring	6		a	2	404749	Hex. socket head cap screw			9
	41	500560	Grease - nipple	4			1	401548	Locknut			1
					Set	POS	PARTNUMBER		PARTNAME			QT

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	Date	November 2013		
	Product type	DRS-60-A		
Rotatorhead GP	Number	405057-02		

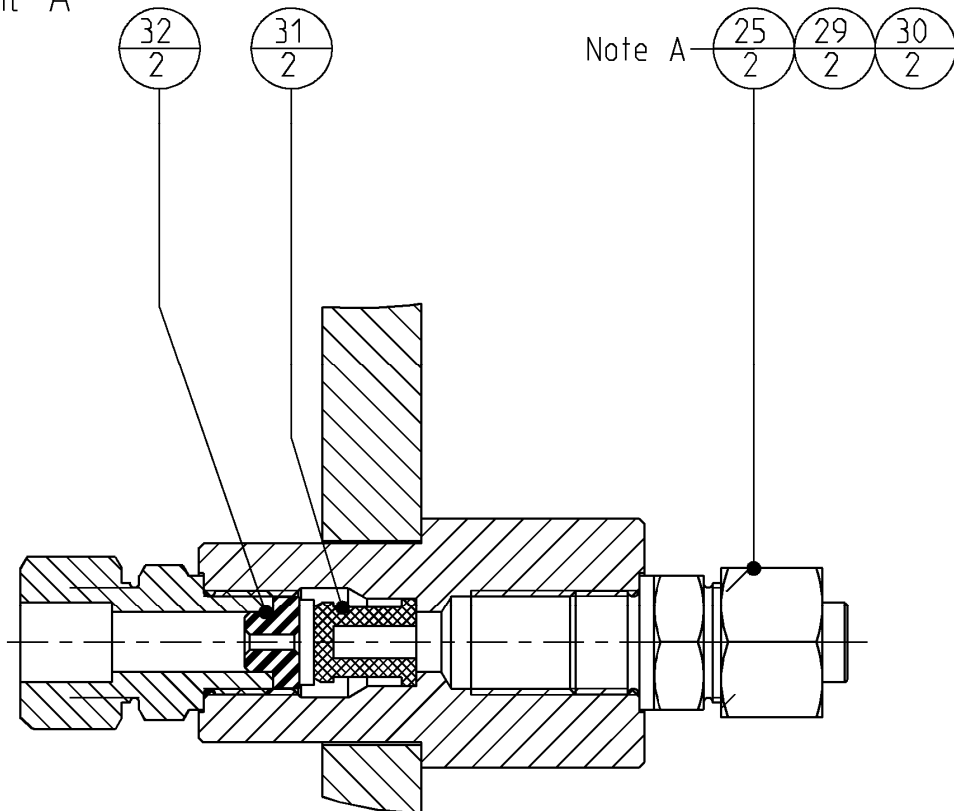


Note A
Mount with Cyberbound TT 62
according instructions at the end
of this partsbook.

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	Date	November 2013		
	Product type	DRS-60-A		
Rotatorhead GP	Number	405057-02		

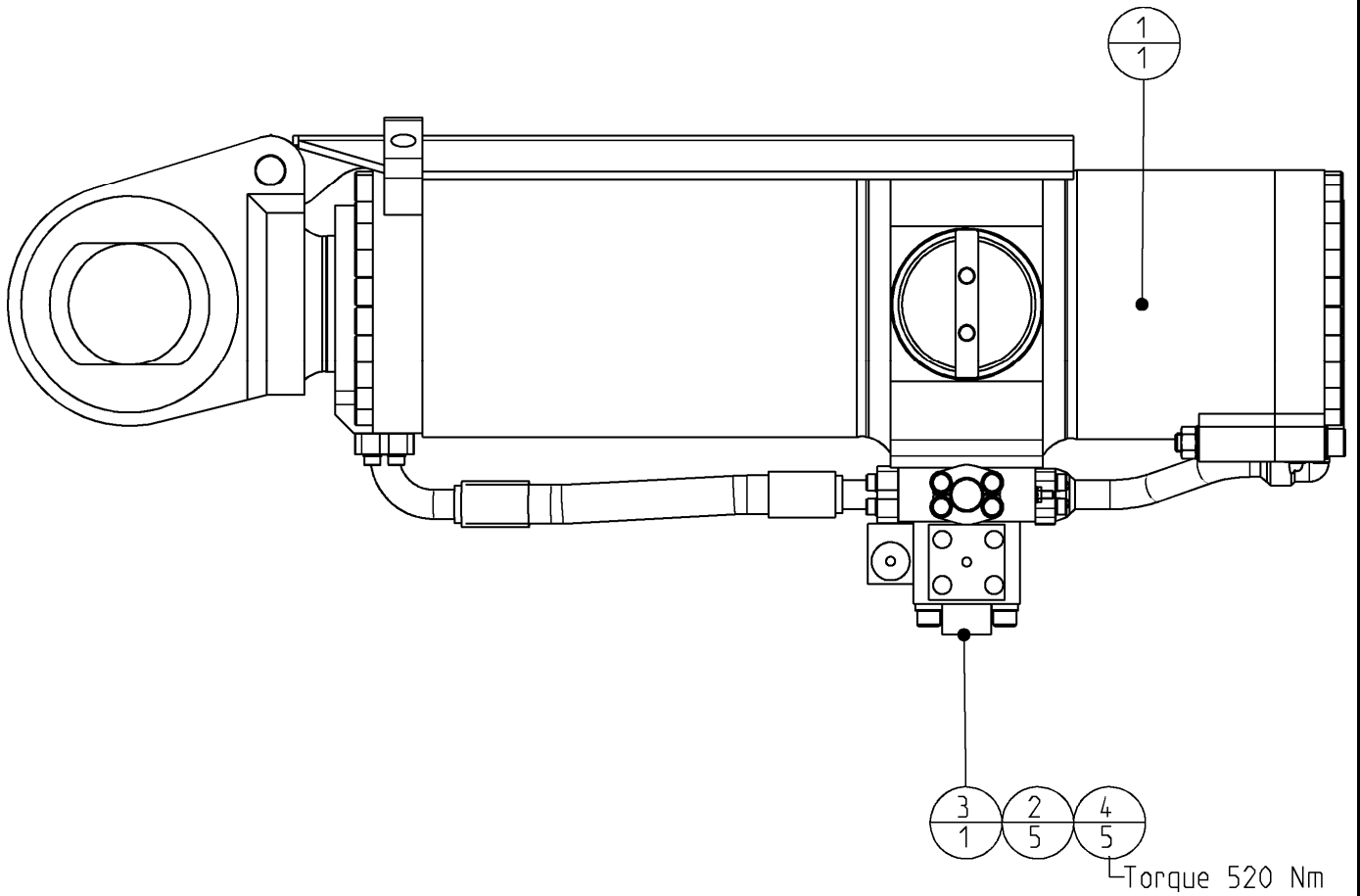


detail A

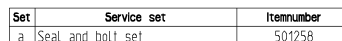


detail B

Rotatable Shear	Page	8	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Cylinder & Valve GP	Number	501350-00		



4	120065238	Hex. socket head cap screw	5
3	502962	Speedvalve	1
2	502862	Spacer	5
1	501351	Hydraulic Cylinder GP	1
POS	PARTNUMBER	PARTNAME	QT



Rotatable Shear	Page	10	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Cylinder GP	Number	501351-00		

	38	291065241	SAE stop	2
	37	123000042	Washer spring	8
	36	122012249	Washer hex.sckt head	8
	35	122000163	Washer normal	8
	34	121060762	Nut Hexagon sealing	1
	33	506034	Lockwasher - Schnorr	2
	32	506005	Hex. socket head cap screw	16
	31	505121_RM501350	Hydr. hose asm. 1¼" SAE 100R15	1
	30	503504	SAE split-flange	4
	29	502860	Bottom asm.	1
	28	502855_RM501350	Hydr. tube asm.	1
a	27	502847_RM501350	Seal set	1
	26	502846	Cylinder - head	1
	25	502845	Piston	1
	24	502837	Cylinder - house asm.	1
	23	502816	Baseplate	1
	22	502661	Lockplate	2
	21	502660	Bearing	2
	20	502562	Bleeding screw	1
	19	502260	Blanking cover	1
	18	502124	Hex.socket plug-tappered	1
	17	501363	Lockpin	1
	16	501359	Protection cap asm.	1
	15	501358	Support - protection cap	1
	14	501352	Rod asm.	1
	13	500603	O-ring	6
	12	500537	Springtype straight pin	1
	11	500426	Hex. socket set screw	2
a	10	500291	Hex. socket head cap screw	2
a	9	500287	Hex. socket head cap screw	44
	8	500272	Hex. socket head cap screw	2
	7	500205	Bolts Hexagon	8
	6	500165	Bolts Hexagon	2
	5	500133	Bolts Hexagon	4
	4	500068	Washer spring	4
a	3	500056	Washer HV	4
	2	500055	Washer HV	2
a	1	500007	Nut Hexagon	2
Set	POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear

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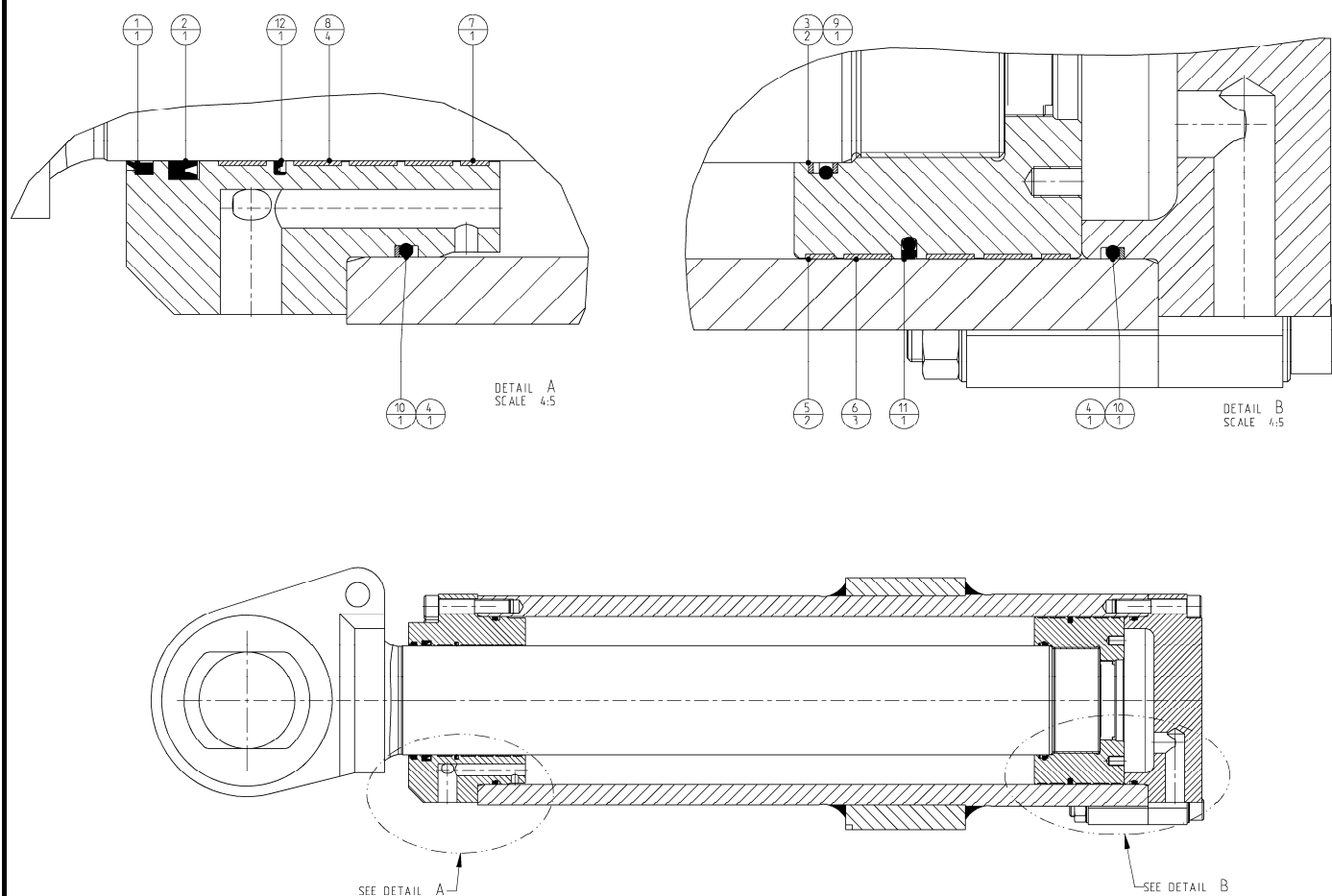
Product type

DRS-60-A

Sealset

Number

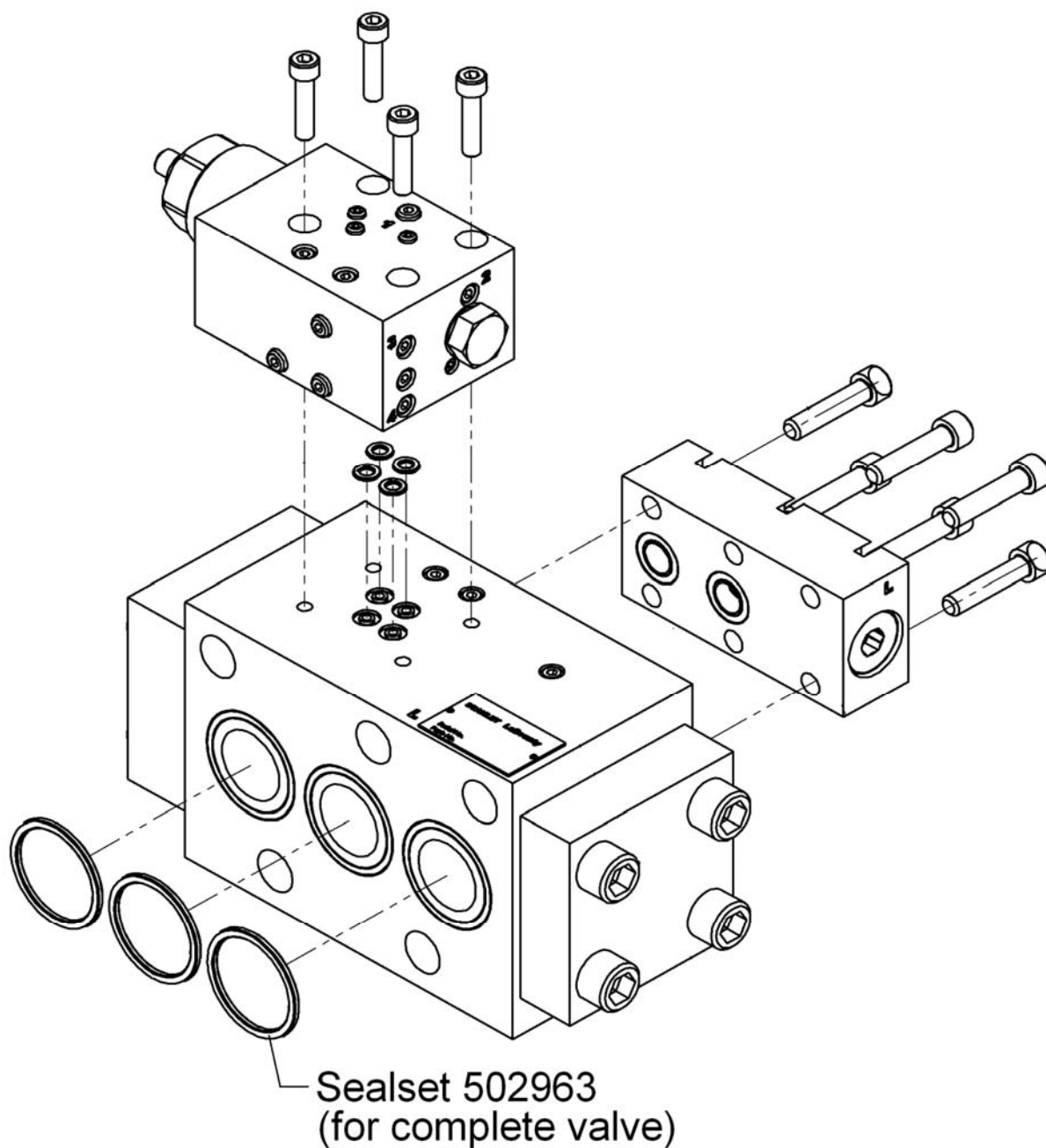
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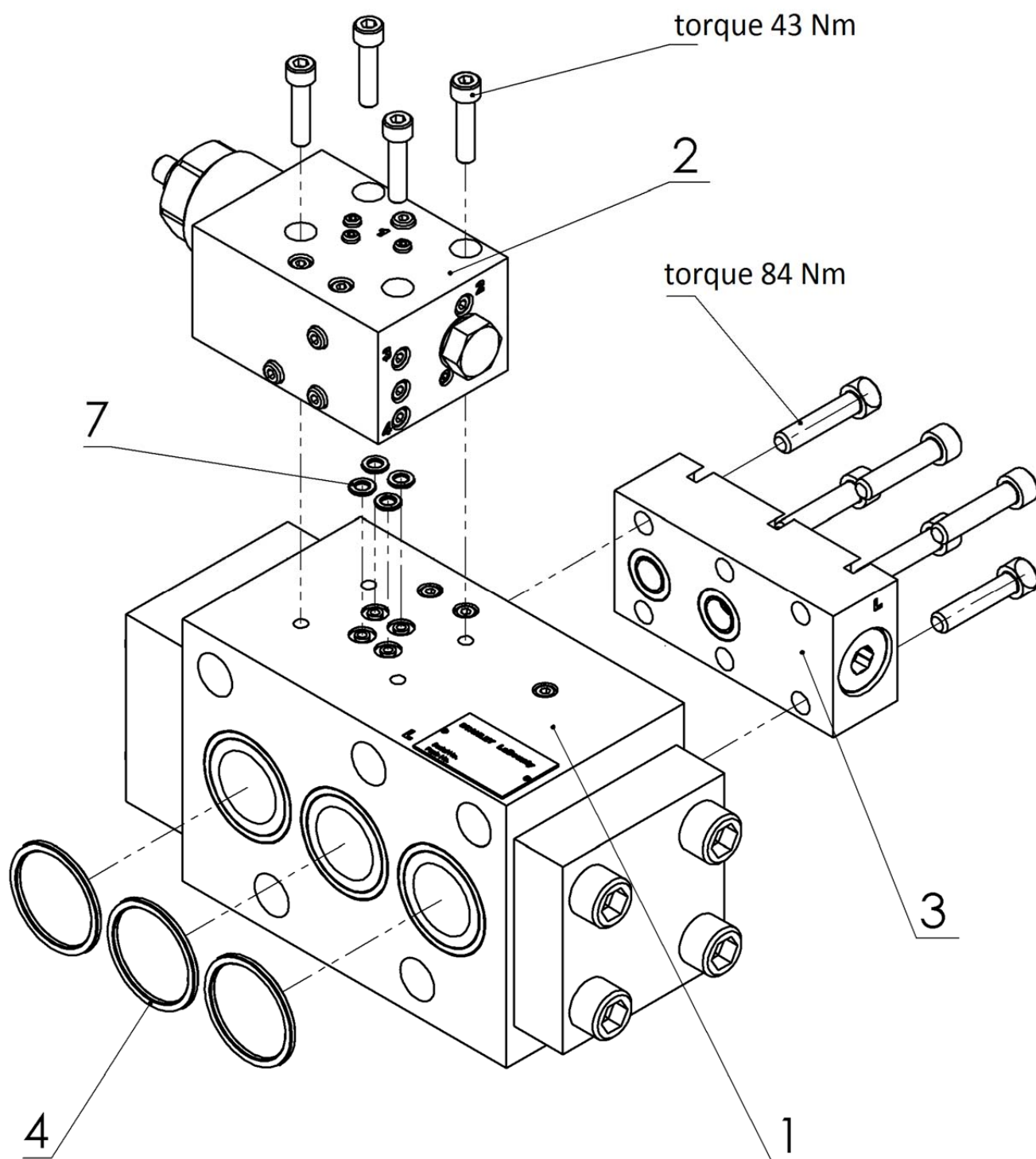
Partslist sealset 502847-00

12	SM24357332	Rod seal GP	1
11	PT0402800	Turcon Glydring T	1
10	ORAR00450	O-ring	2
9	ORAR00442	O-ring	1
8	GR7501800	Bearing Luytex	4
7	GR7301800	Bearing Turcite	1
6	GP7502800	Bearing Luytex	3
5	GP7302800	Bearing Turcite	2
4	BU5802800	Back-up ring	2
3	BU5801800	Back-up ring	2
2	B3J020P6000	U-Cup	1
1	504062	Scraper	1
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	12	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Valve GP	Number	502962-00		

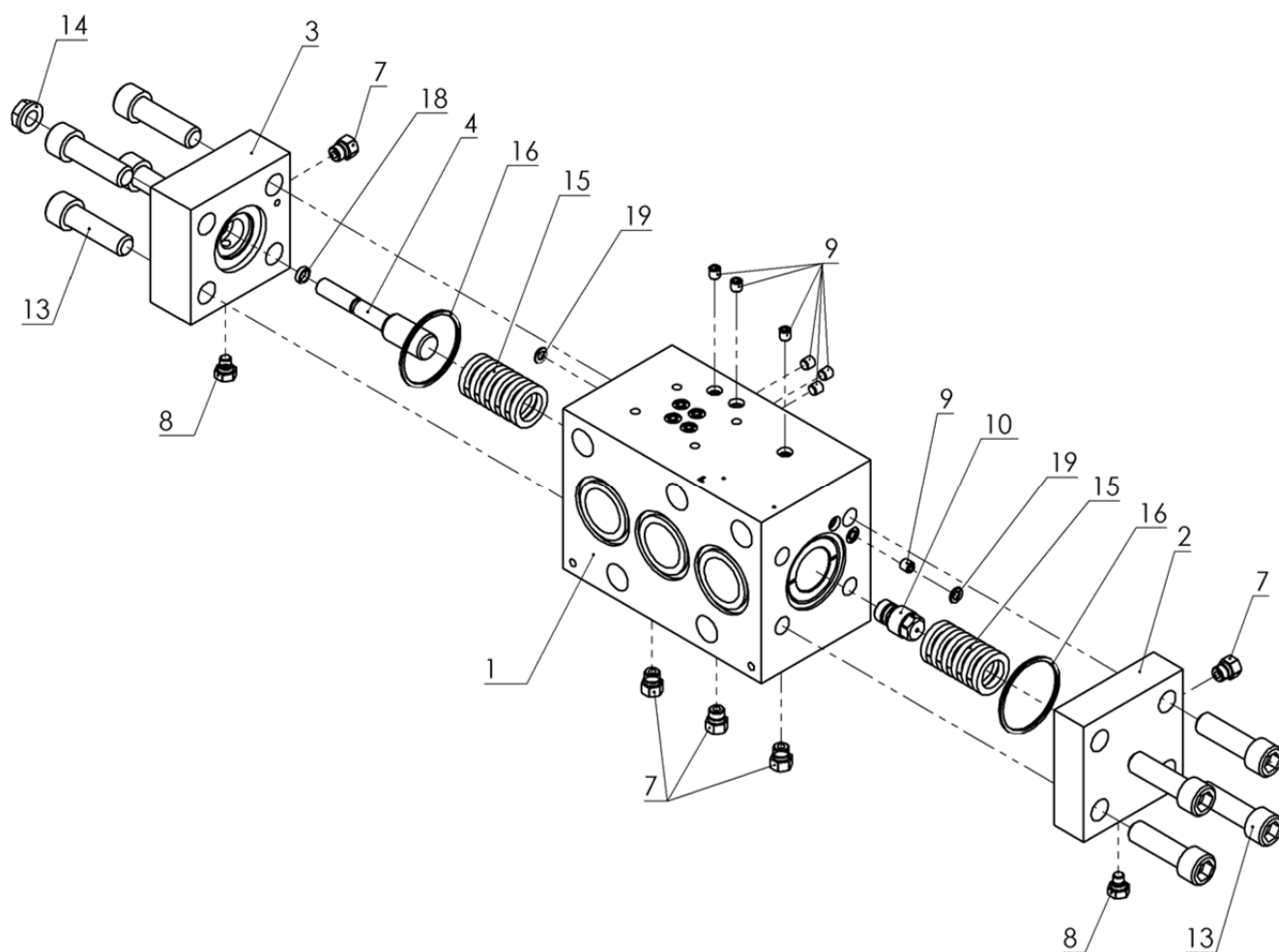


Rotatable Shear	Page	13	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Sealset	Number	502963-00		



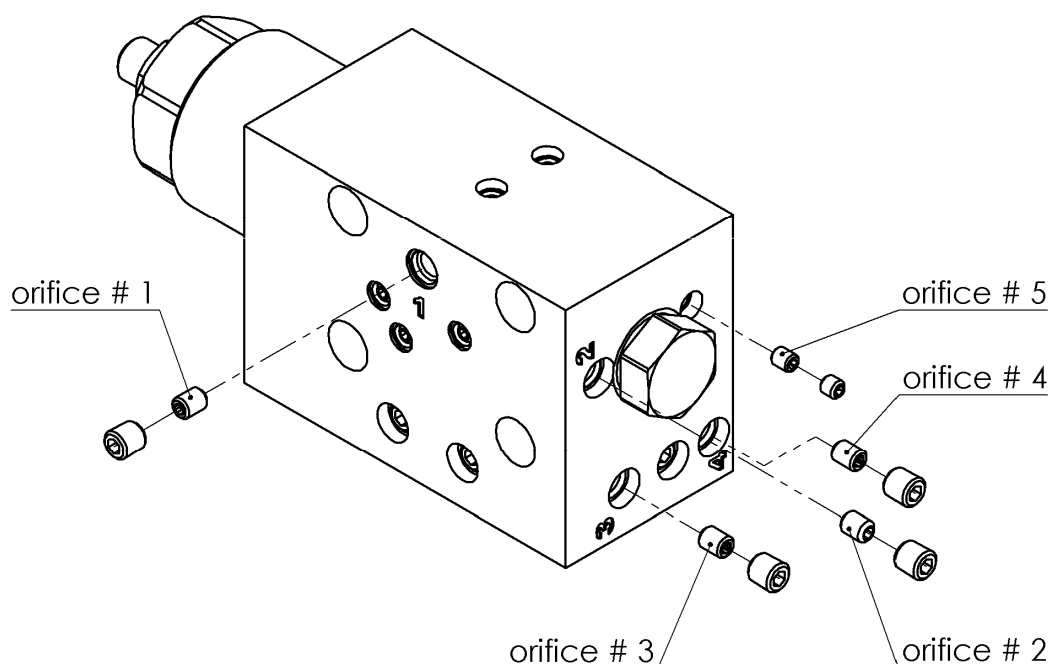
Sealset 502963			
7	270.308.650.6	O-ring	4
4	271.947.650.6	O-ring	3
3	279.954.602.7	Sealset	1
2	279.953.602.7	Sealset	1
1	279.951.602.7	Sealset	1
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	14	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Sealset	Number	502963-00		

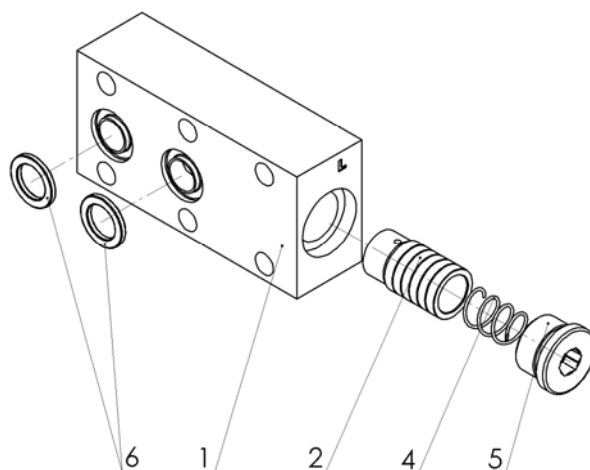


Sealset 279.951.602.7			
4	138.325.001.2	Stop	1
8	000.502.013.2	Blanking end	2
9	000.502.016.1	Blanking end	7
10	420.000.002.8	Sealset	1
14	138.012.000.6	Nut hexagon sealing	1
16	271.754.650.6	O-ring	2
19	270.308.650.6	O-ring	2
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	15	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Sealset	Number	502963-00		

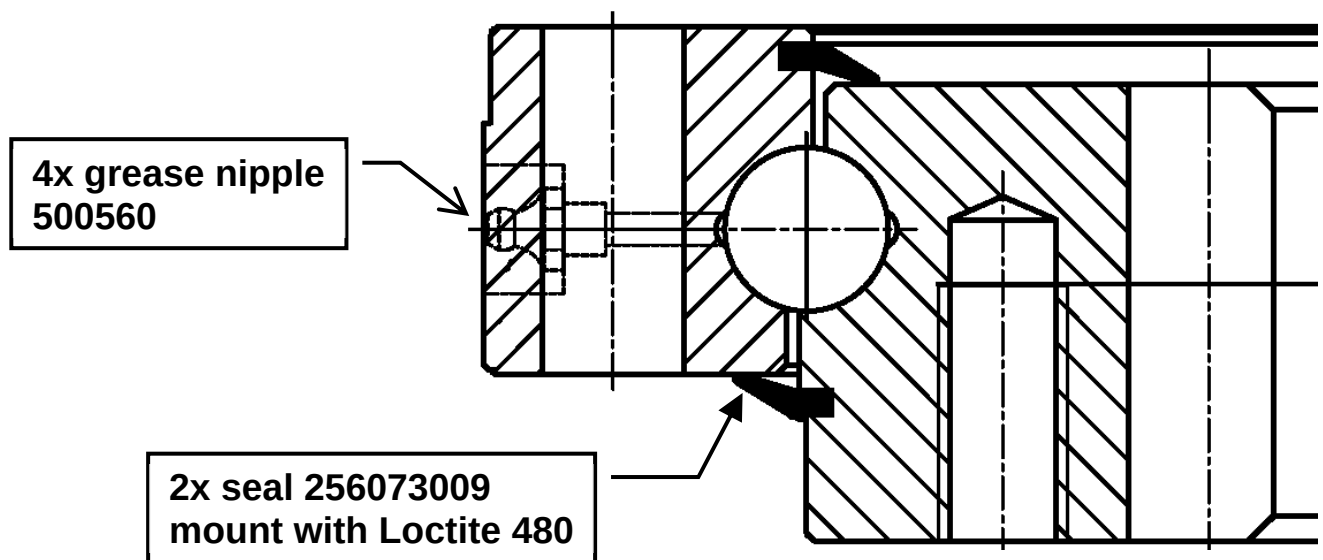
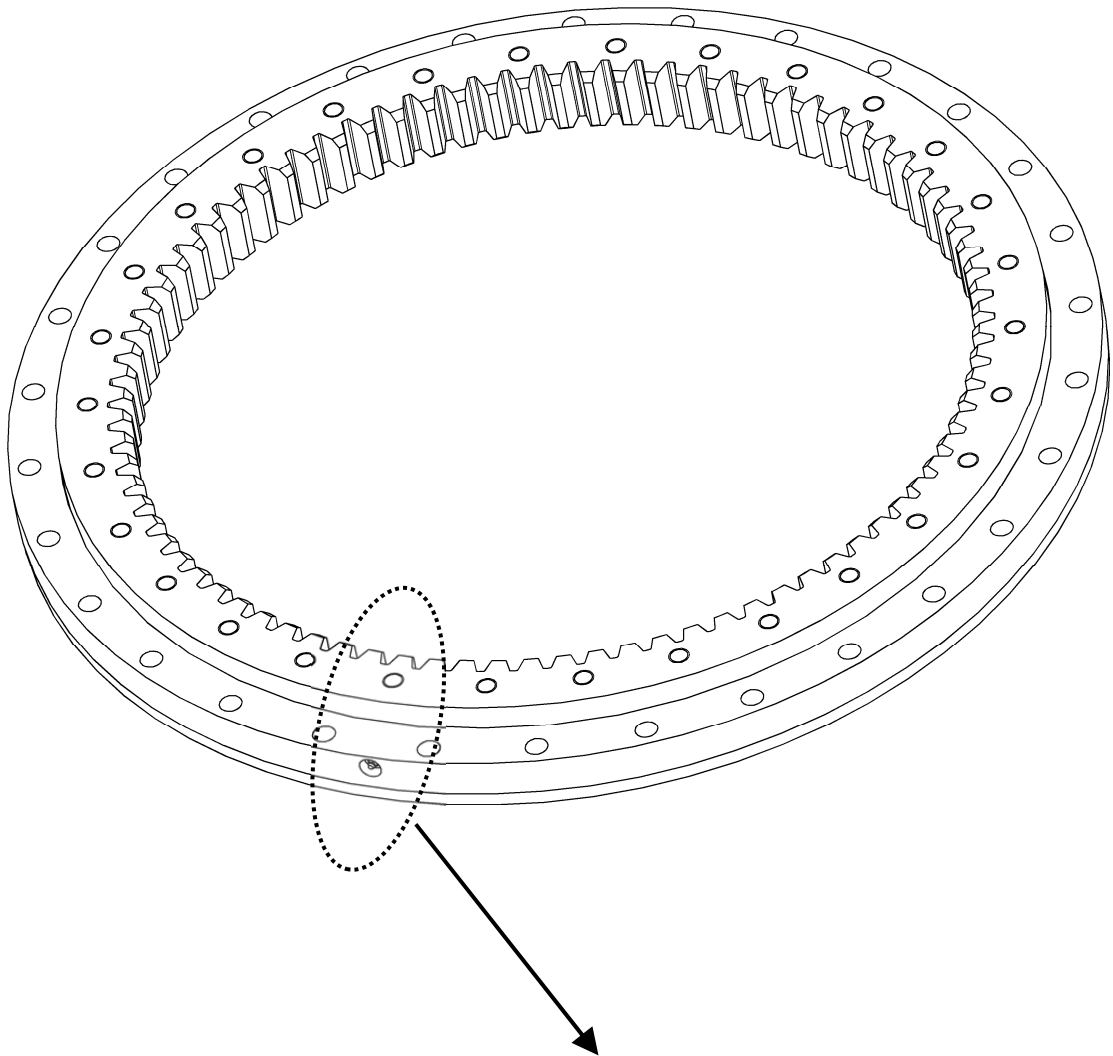


Sealset 279.953.602.7			
3	000.221.008.2	Hex. socket set screw	1
11	000.502.035.1	Blanking end	8
12	000.502.016.1	Blanking end	10
21	271.918.650.6	O-ring	1
22	272.536.650.6	O-ring	1
24	138.012.000.6	Nut hexagon sealing	1
25	275.508.650.6	Quadring	1
26	275.414.650.6	Back-up ring	1
31	255.013.006.6	Blanking end	1
POS	PARTNUMBER	PARTNAME	QT

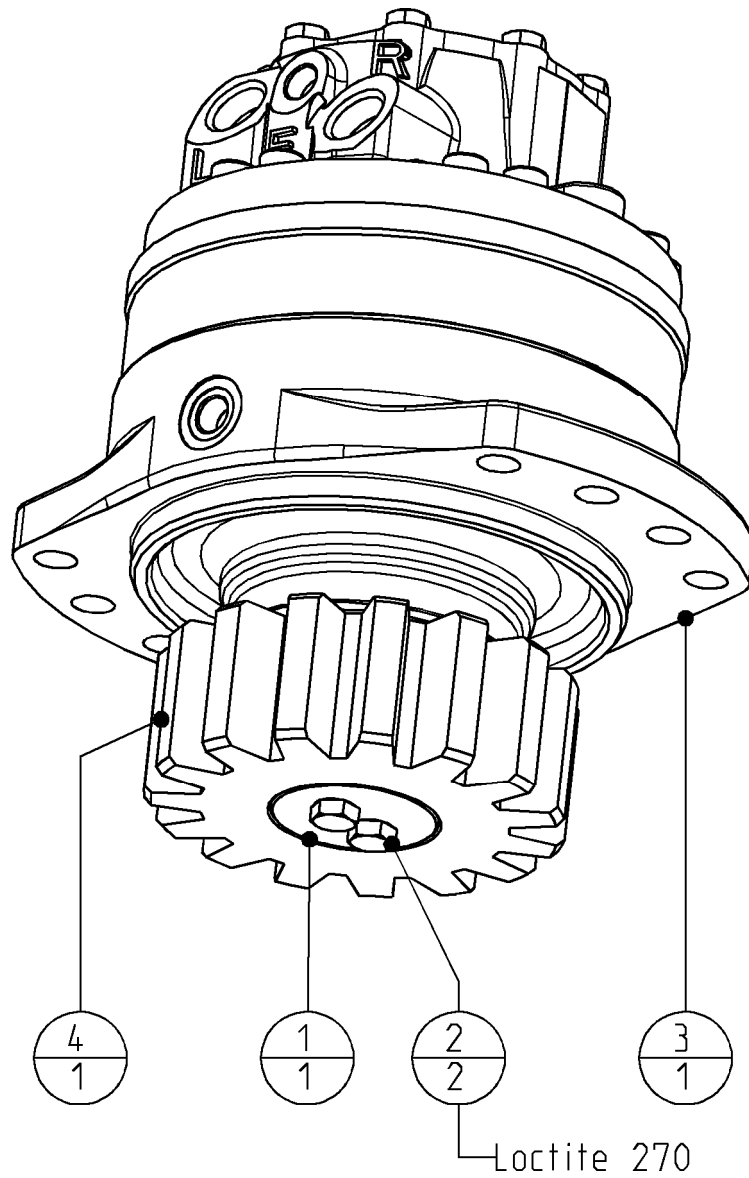


Sealset 279.954.602.7			
5	255.032.006.6	Blanking end	1
6	271.919.650.6	O-ring	2
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	16	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Slewing ring	Number	168058096-A		

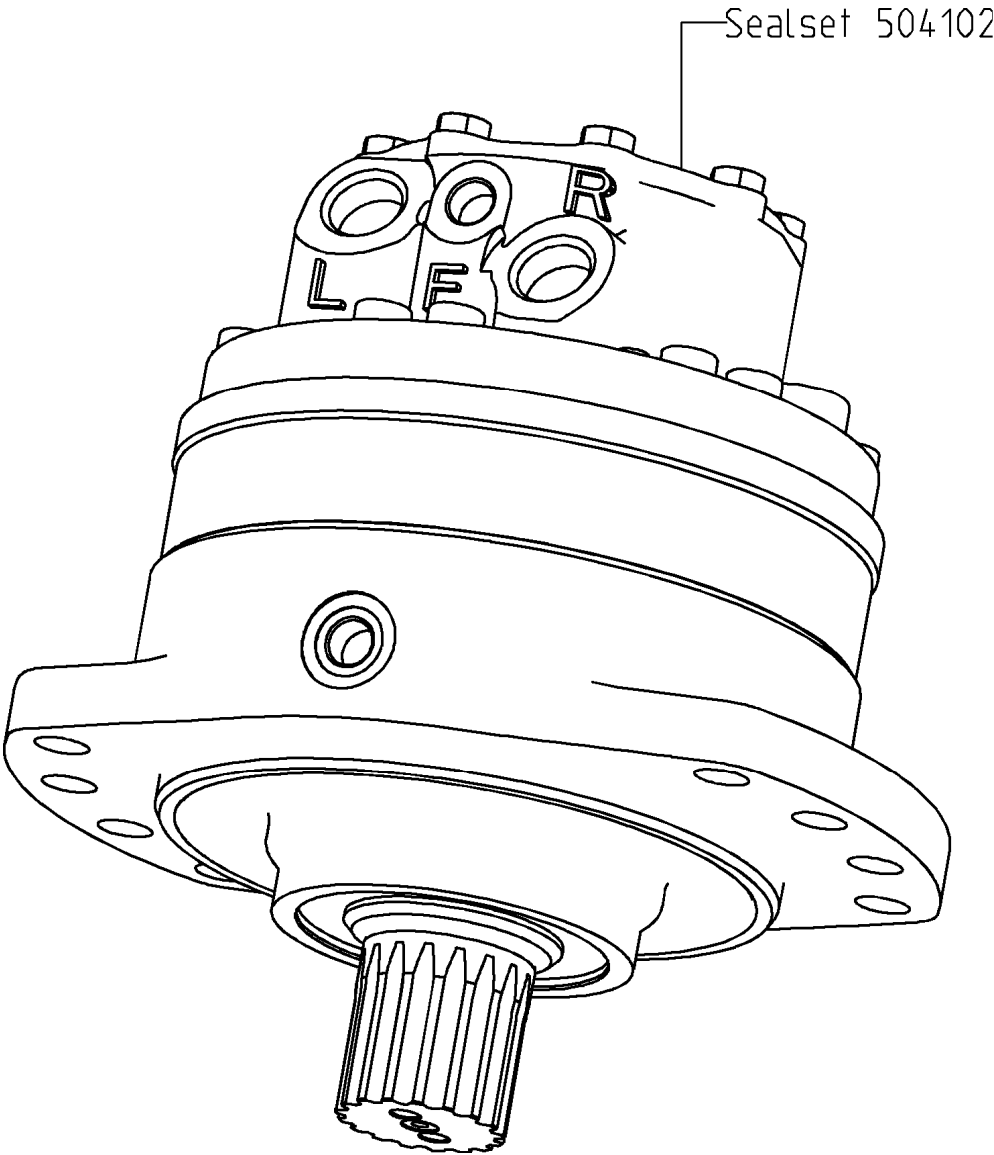


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	Date	November 2013		
	Product type	DRS-60-A		
Hydraulic motor GP	Number	404855-00		

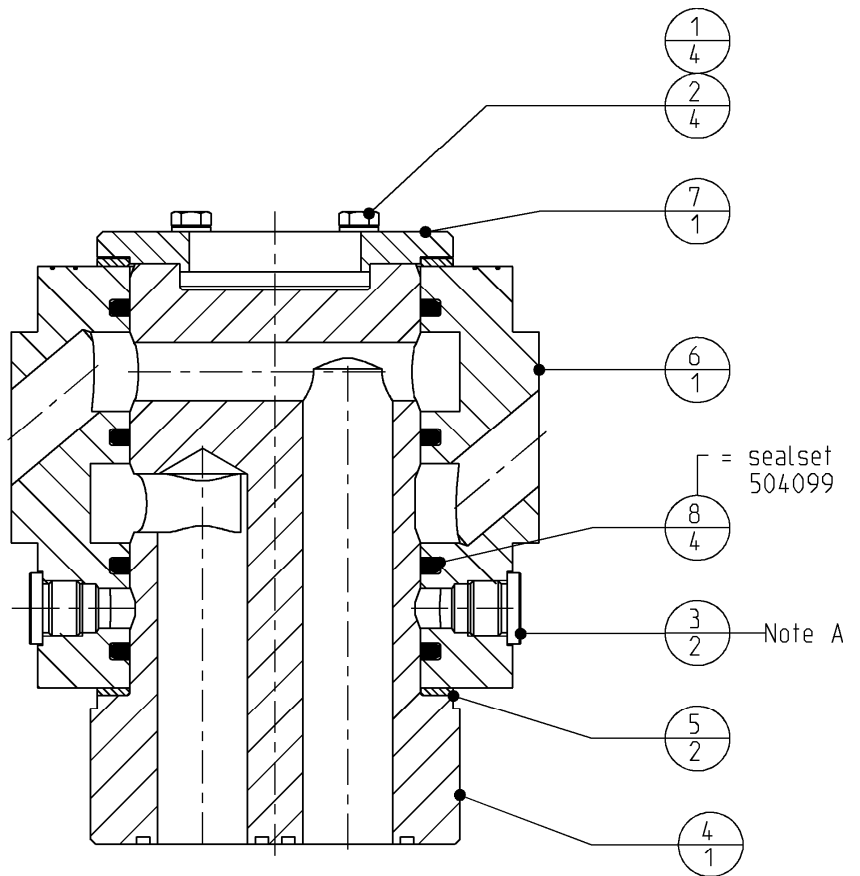
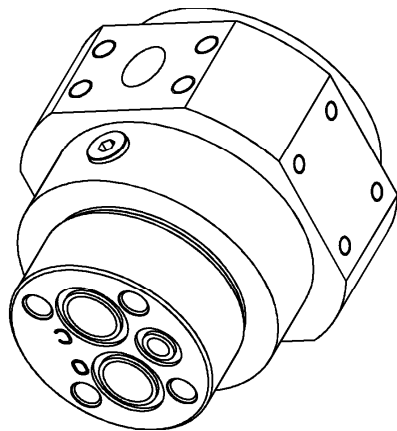
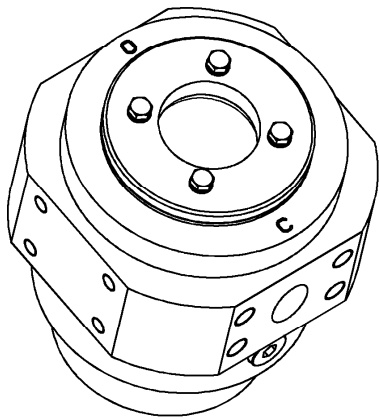


4	501094	Pinion	1
3	501093	Hydraulic motor	1
2	500116	Bolts Hexagon	2
1	404856	Washer	1
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	18	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Hydraulic motor	Number	501093-01		



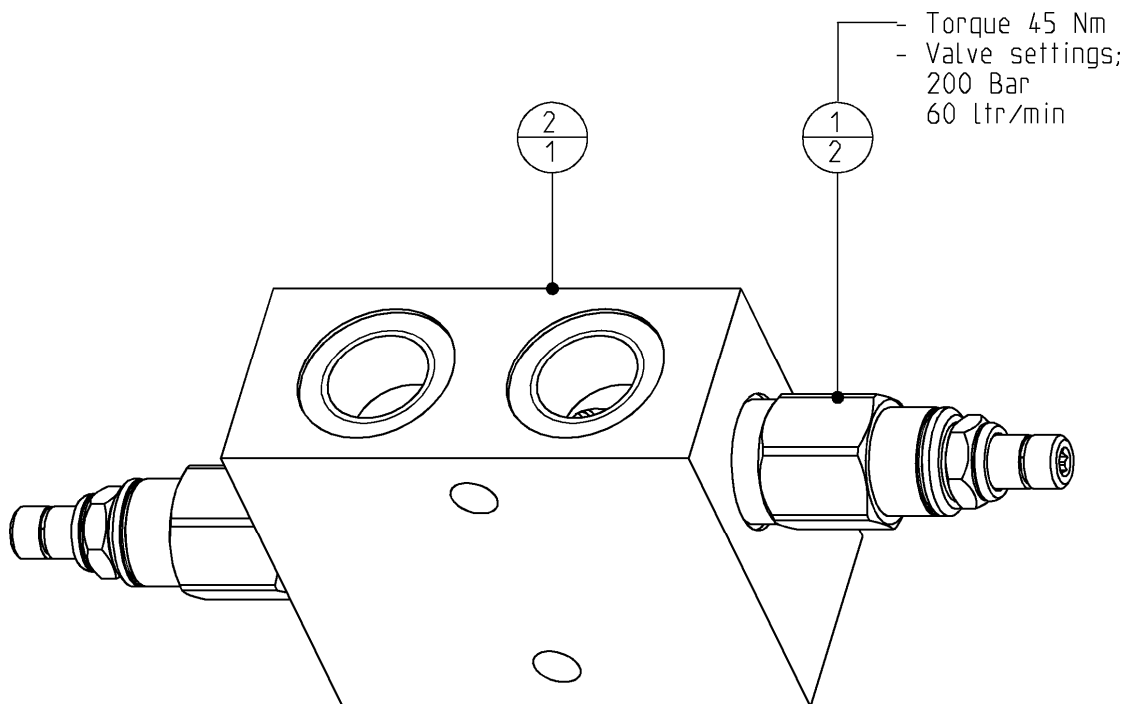
Rotatable Shear	Page	19	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Swivel GP	Number	502760-02		



Note A
Mount with Cyberbound TT62
according instructions at the end
of this partsbook.

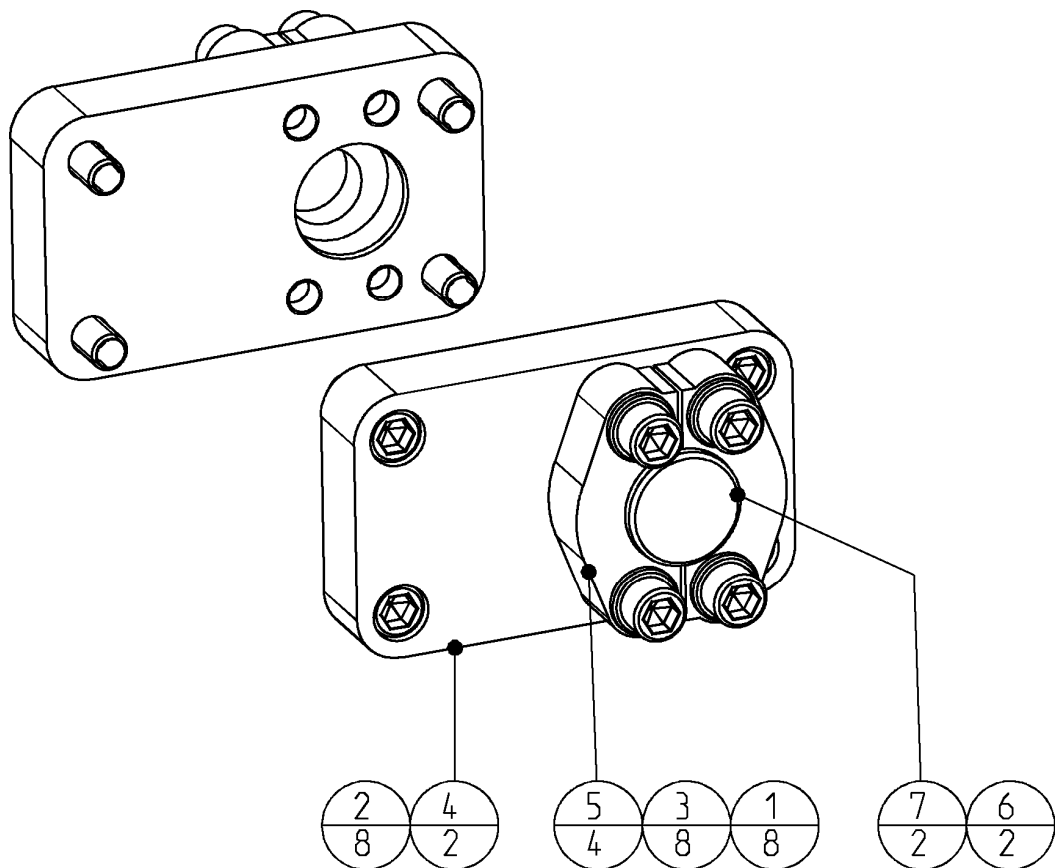
8	504098	Seal - Roto Glyd Ring with Rotolock	4
7	502764	Cover	1
6	502763	Housing	1
5	502762	Axial ring	2
4	502761	Stator	1
3	500652	Blanking end	2
2	500105	Bolts Hexagon	4
1	500066	Washer spring	4
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	20	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Valve GP	Number	270065240-B		



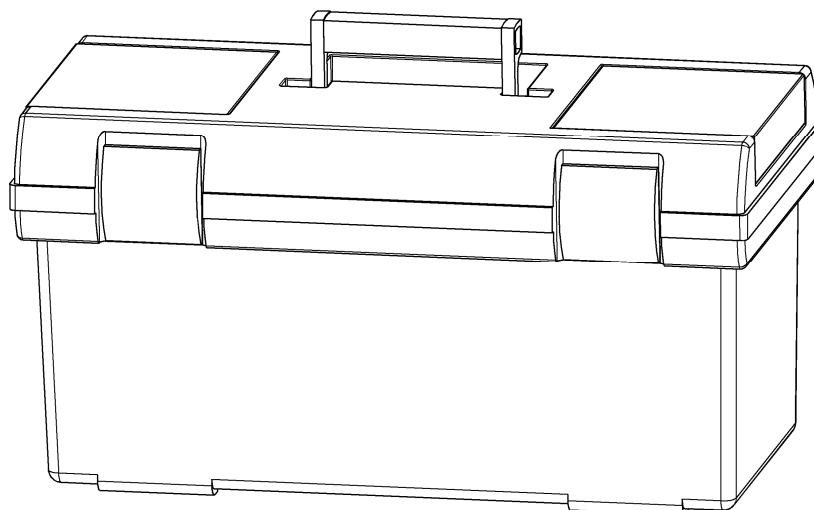
2	272065239	Valve housing	1
1	271072365	Cartridge relief	2
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	21	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Flange kit (optional)	Number	406075-00		



7	291062155	SAE stop	2
6	504097	O-ring	2
5	503505	SAE split-flange	4
4	502783	Flange 1 1/2" 6000 PSI	2
3	500263	Hex. socket head cap screw	8
2	500260	Hex. socket head cap screw	8
1	500054	Washer HV	8
POS	PARTNUMBER	PARTNAME	QT

Rotatable Shear	Page	22	of	24
	Date	November 2013		
	Product type	DRS-60-A		
Toolbox	Number	508136-02		



**Content of toolbox,
completed with shims, partsbook and manual of the shear**

				25	257013302	Kantseal 15,54 x 2,51	2
				24	121060762	Locknut M10 SEAL LOCK	2
				23	DR504043	O-ring 6,0 x 1,5	3
				22	DR504045	O-ring 12,0 x 2,0	3
				21	DR504070	O-ring 12,37x 2,62	3
44	DR504026	Back-up ring 44,5x42,5x2,9	2	20	DR504046	O-ring 16,3 x 2,4	3
43	251065237	Back-up ring 50,0x 44,6x1,4	2	19	DR504047	O-ring 20,3 x 2,4	3
42	DR500649	Blanking end 1/8"-WD	1	18	DR500600	O-ring 25,0 x 3,53	3
41	DR500650	Blanking end 1/4"-WD	1	17	DR504048	O-ring 25,3 x 2,4	3
40	DR500651	Blanking end 3/8"-WD	1	16	DR500601	O-ring 32,93x 3,53	3
39	DR500652	Blanking end 1/2"-WD	1	15	DR504017	O-ring 36,09x 3,53	2
38	DR500653	Blanking end 3/4"-WD	1	14	DR500603	O-ring 37,7 x 3,53	3
37	DR500654	Blanking end 1" -WD	1	13	DR504009	O-ring 44,04x 3,53	3
36	120075770	Blanking screw M8x1,0	4	12	DR504097	O-ring 47,22x 3,53	3
35	290066544	Blanking end M10x1,0 OR	1	11	DR504038	Seal 1/2" 18,5x23,9x1,5	2
34	290058184	Blanking end M22x1,5 OR	1	10	DR504036	Seal 1/4" 11,6x16,5x1,5	2
33	290058185	Blanking end M27x2 OR	1	9	DR504039	Seal 3/4" 23,9x29,2x1,5	2
32	290058186	Blanking end M33x2 OR	1	8	DR504040	Seal 1" 29,7x35,7x2	2
31	DR502562	Bleedingscrew M10 L=58,5	2	7	DR504041	Seal 1-1/4" 38,8x45,8x2	2
30	DR502000	Filter line built-in	2	6	189069365	Sticker "Free to tank"	2
29	DR506046	Glue Loctite 2701 5ml	1	5	DR508152	Sticker "Maintenance"	4
28	195050158	Glue TT62 pump gel	1	4	DR508113	Sticker "Safety"	4
27	DR508139	Grease cartridge	1	3	DR503638	Testpoint 7/16"UNF	2
26	DR508138	Grease pistol	1	2	DR500740	Testpoint G1/4"	2
25	DR500560	Grease-nipple, straight M10x1	10	1	DR508137	Toolbox 580x290x300	1
				POS	PARTNUMBER	PARTNAME	QT

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Additional parts	Number	n.a.		

Chemical lock

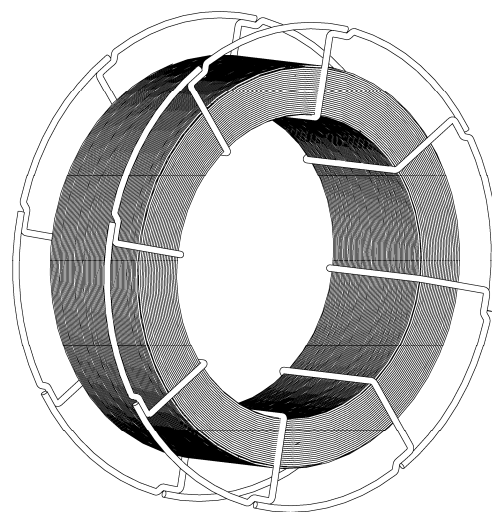
195050158	Cyberbond TT62 Pumpgel	1
506018	Loctite 480 Flacon 20 gr	1
506017	Loctite 638 Flacon 50 ml	1
506016	Loctite 270 Flacon 50 ml	1
PARTNUMBER	PARTNAME	QT



MAG welding wire

- for hard facing cutting blades
- 48-52 HRC
- Standards;
 - AWS A 5.21: no standard
 - EN ISO 14700: ~S Fe14
 - DIN: W.Nr. 1.8425
 - DIN 8555: MSG 2-GZ-500

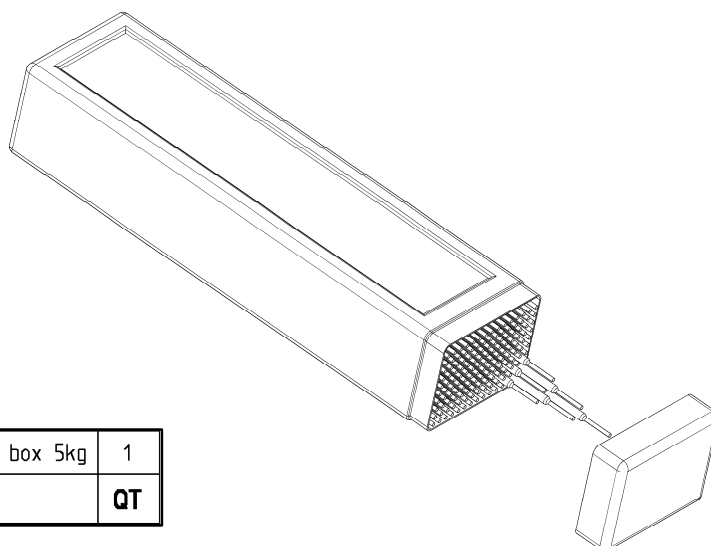
501237	Welding wire MAG; 1.8425, coil 15kg	1
PARTNUMBER	PARTNAME	QT



Welding electrodes

- for hard facing cutting blades
- 48-52 HRC
- Standards;
 - AWS A 5.21: no standard
 - EN ISO 14700: ~S Fe14
 - DIN: W.Nr. 1.8425
 - DIN 8555: MSG 2-GZ-500

501238	Weld. electr.:1.8425, Ø 2.5mm, box 5kg	1
PARTNUMBER	PARTNAME	QT



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	Product type	DRS-60-A		
Instructions	Number	n.a.		

Mounting instructions for Cyberbound TT 62

This instruction shall guarantee that all hydraulic fittings and cartridges will be mounted and glued in correctly.

Procedure:

Clean and degrease thoroughly all components with a special cleaner for anarobic adhesives (e.g. Loctite cleaner 7063) or acetone.

Apply on the outside thread only a bead of Cyberbond TT62 pump gel to approx. 2/3 of the girth of the second thread for fittings up to a diameter of 20mm or to the entire girth for fittings with a diameter larger than 20mm.



Cyberbound
TT 62



Clean from adhesive residues pressed out from the bore hole after fitting.

ATTENTION. The sealings shall be free of adhesive residues!

Tighten fittings with given fastening torques.

Standard torque values for bolts (when not indicated)

Thread size	Torque (Nm) for quality		
	8.8	10.9	12.9
M8	22,5	32,4	38,7
M10	45,0	63,0	75,6
M12	77,4	109,0	131,0
M16	194,0	270,0	324,0
M20	369,0	522,0	630,0
M24	639,0	900,0	1080,0
M27	945,0	1305,0	1575,0
M30	1260,0	1800,0	2160,0



DEMAREC AND KINSHOFER WORLDWIDE

Netherlands:

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