

STAR

 **LEMKEN**

ディスクハロー

部 品 表

製品コード K25099

型 式 FLR09-300C

製品コード K25100

型 式 FLR09-300D

製品コード K25101

型 式 FLR09-300R

スター農機株式会社

部 品 表

部品のご注文について

1. 部品ご注文の際は、下記項目をご連絡ください。

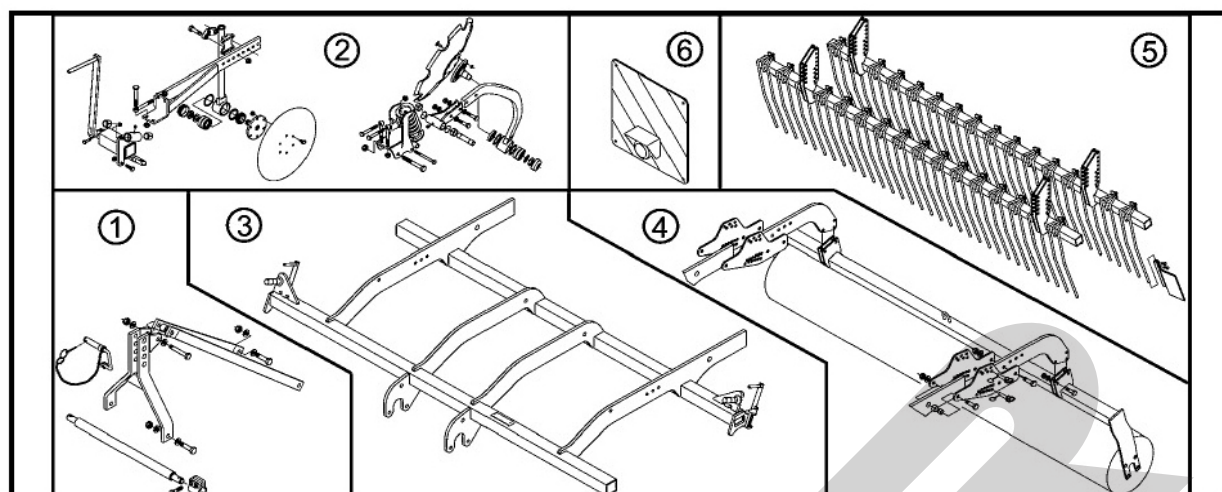
- ①製 品 名
- ②型 式
- ③部品名称
- ④部品番号
- ⑤個 数

補修部品の供給年限について

この製品の補修用部品の供給年限(期間)は、製造打ち切り後9年です。ただし、供給年限内であっても、特殊部品については納期などをご相談させていただく場合もあります。

補修部品の供給は原則的には上記の供給年限で終了しますが、供給年限経過後であっても、部品供給のご要請があった場合は納期および価格についてご相談させていただきます。

FLR09-300

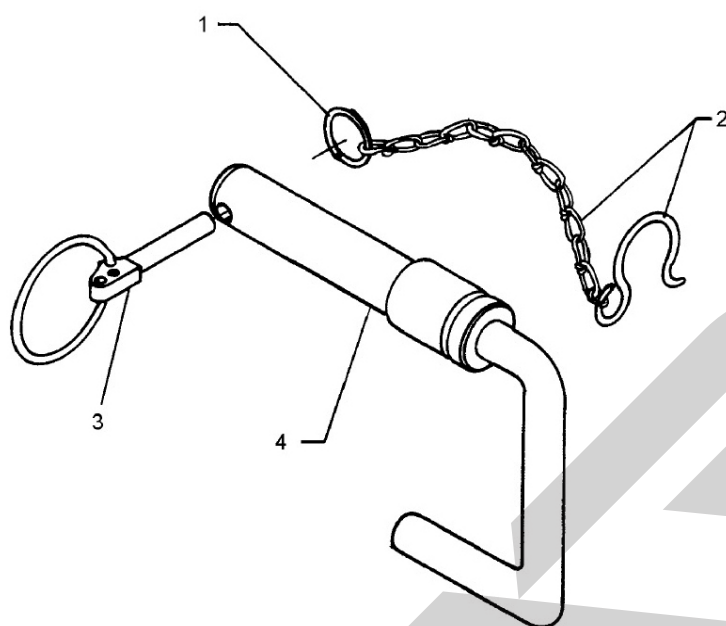


ref	Parts No.	Description	Dimension	page
1	313 7913	Top link pin with chain	KAT2GL D25,4/31,7x173	3
1	640 5233	Headstock	Rubin 9 S	4
1	640 5245	Headstock	Rubin Kompakt 9 S	5
1	661 1385	Lower link connection	E55 L2 Z2	6
2	612 8089	Stalk bracket	Rubin 90x90-B SW41	7
2	612 8090	Stalk bracket	Rubin 90x90-B VO	8
2	612 8091	Stalk bracket	Rubin 90x90-B HI	9
2	612 8100	Hollow disc unit	D620x6 Rubin RE 90x90	10
2	612 8101	Hollow disc unit	D620x6 Rubin LI 90x90	11
2	612 8104	Hollow disc unit	D620x6 Rubin RE 90x90-30	12
2	612 8105	Hollow disc unit	D620x6 Rubin LI 90x90-30	13
2	612 8109	Stalk bracket	Rubin 90x90-A SW41	14
2	612 8110	Stalk bracket	Rubin 90x90-A	15
2	612 8112	Tine with bearing	RE 60x25 D130 6xD12 Rubin 9	16
2	612 8113	Tine with bearing	LI 60x25 D130 6xD12 Rubin 9	17
2	612 8120	Carrier	100x20 Rubin	18
2	612 8150	Bracket	90x90x220 RE Rubin 9	19
2	612 8151	Bracket	90x90x220 LI Rubin 9	20
2	612 8152	Bracket	90x90x188 RE Rubin 9-A	21
2	612 8153	Bracket	90x90x188 LI Rubin 9-A	22
2	612 8154	Bracket	90x90x188 71° RE Rubin Kompakt	23
2	612 8160	Carrier	100x20 Rubin Kompakt	24
2	657 9200	Hollow disc	D620x6 Rubin	25
2	657 9304	Outer disc	D500 Rubin 9	26
3	612 8201	Basic frame	Rubin 9/300	27
3	612 8257	Basic frame	Rubin 9/300-B	28
4	617 8181	Adapter-inner thread	ZPW-SM9/300	29
4	622 0184	Holder	GRW-GR D590-90	30
4	622 6345	Packer roller	ZPW D500-3,0m	31
4	622 6610	Tube bar roller	D400-300 SM9	32
4	622 6611	Tube bar roller	D540-300 SM9	33
4	622 6620	Tube bar roller	D600-300 SM9	34
4	622 6701	Double roller	D400-300 SM9	35
4	622 6744	Packer roller, short scraper	ZPW D500-3,0m	36
4	622 6851	Double roller	D540/400-3.00	37
4	622 6873	Rubber ring roller	GRW D590-300-24R-125	38
5	622 6399	Leveller	100x8x200 Rubin 9	39
5	622 6402	Levelling harrow	Rubin 9/300	40

FLR09-300

Top link pin with chain

313 7913

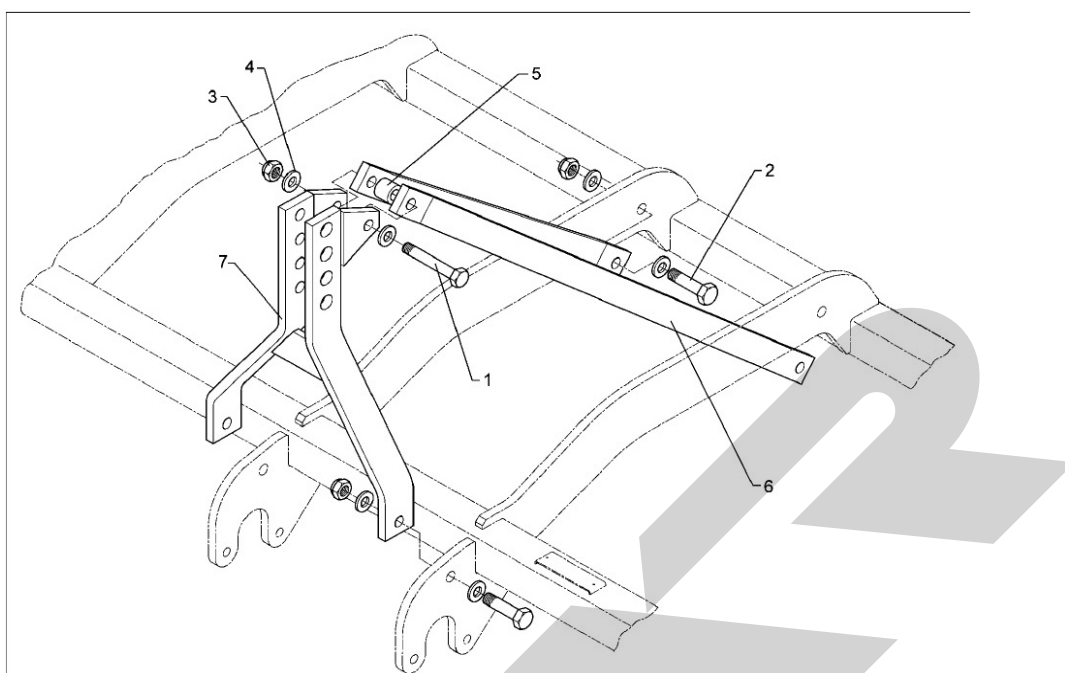


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3058545	Securing ring	3x30-35x1,25 Zn	1
2	ZD3058560	Securing clip with chain	D3,6/D21-460mm-Zn	1
3	ZD3119315	Securing pin	8x42 DIN11023	1
4	ZD3137912	Top link pin	KAT2GL D25,4/31,7x173 Zn	1

FLR09-300

Headstock

640 5233

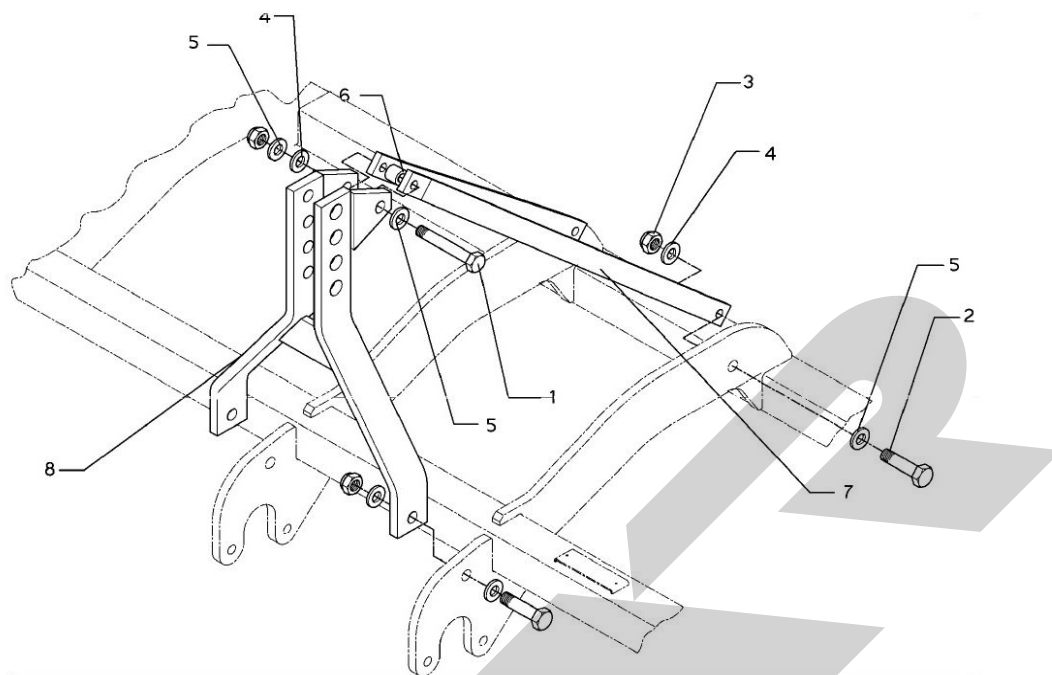


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3014720	Bolt	M24x150ls115x30-8.8	1
2	ZD3015392	Bolt	M24x85ls50x30-8.8	4
3	ZD3030937	Selflocking nut	DIN985-NM24-8 Zn	5
4	ZD3056274	Washer	D50/25x8	5
5	ZD3056530	Washer	D55/24,5x30	1
6	ZD4403521	Support	60x20x1248 Rubin 9S	2
7	ZD4405233	Headstock	80x20x745 3+1L Rubin S	1
8	ZD3056253	Washer	B25 DIN125-St	6

FLR09-300

Headstock

640 5245

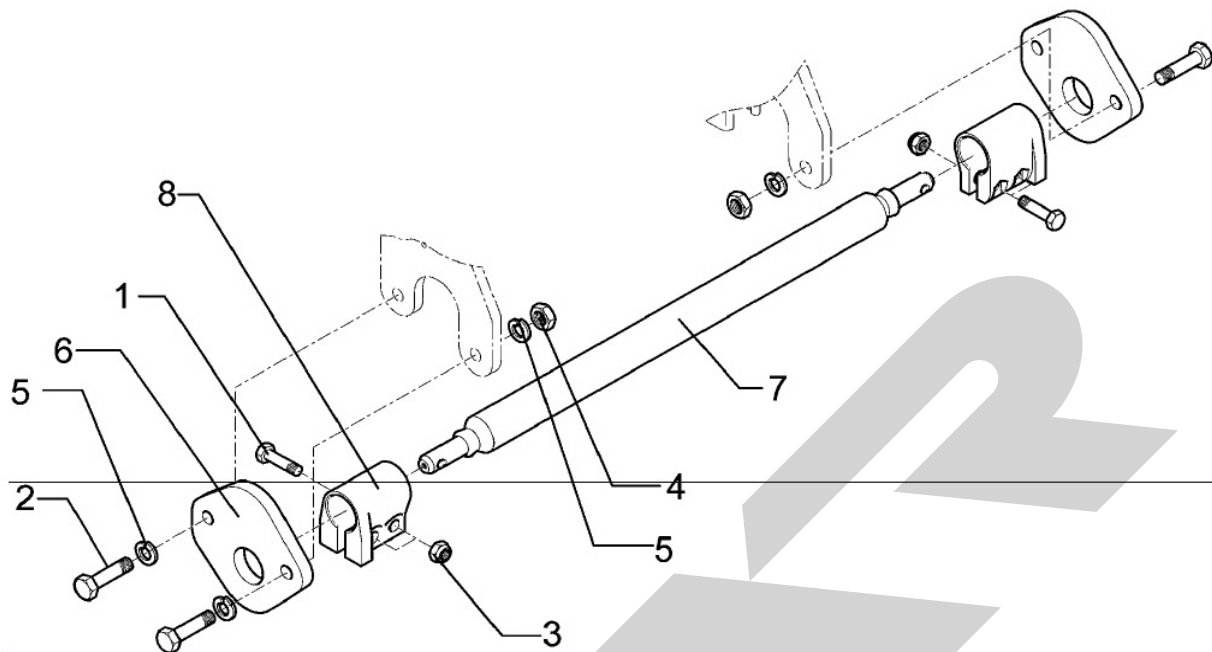


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3014720	Bolt	M24x150ls115x30-8.8	1
2	ZD3015392	Bolt	M24x85ls50x30-8.8	4
3	ZD3030937	Selflocking nut	DIN985-NM24-8 Zn	5
4	ZD3056253	Washer	B25 DIN125-St	6
5	ZD3056274	Washer	D50/25x8	5
6	ZD3056530	Washer	D55/24,5x30	1
7	ZD4403529	Support	60x20x990 Rubin Kompakt 9S	2
8	ZD4405233	Headstock	80x20x745 3+1L Rubin S	1

FLR09-300

Lower link connection

661 1385

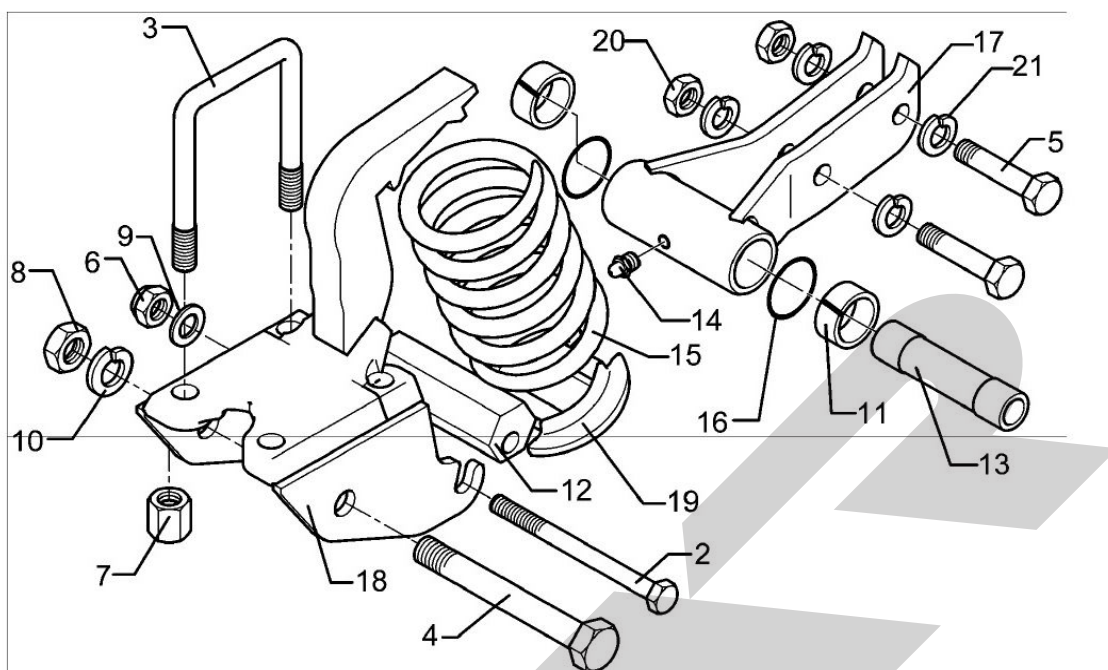


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013867	Bolt	M16x65-8.8	4
2	ZD3015390	Bolt	M20x65-12.9	4
3	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	4
4	ZD3030978	Nut	M20 DIN934-8	4
5	ZD3059888	Spring ring	20 DIN127-A	8
6	ZD4616060	Plate for drawbar	E55	2
7	ZD4617917	Drawbar	D55 L2 Z2	1
8	ZD4619892	Stop	D55x100 2xD18	2

FLR09-300

Stalk bracket

612 8089

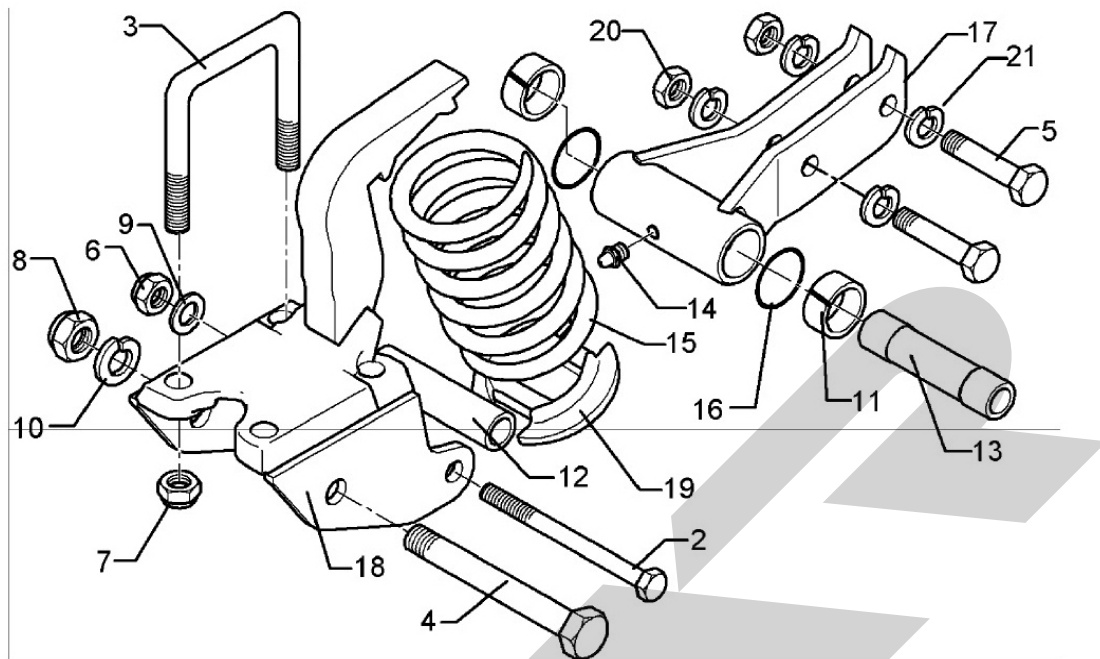


ref.	Parts No.	Description	Dimension	Q'ty
2	ZD3014099	Bolt	M16x160-8.8	1
3	ZD3017795	U-bolt	M16/90/135 (381) Zn	2
4	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
5	ZD3015361	Bolt	M16x75-12.9	2
6	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	1
7	ZD3030954	Nut	M16 DIN 6330-10 Form B	4
8	ZD3030977	Nut	M20x1,5 DIN934-10	1
9	ZD3056143	Washer	B17/30x3 DIN125	1
10	ZD3059888	Spring ring	20 DIN127-A	2
11	ZD3173422	Expansion bush	EG30/38x25-DIN1498	2
12	ZD3177701	Eccentric	SW41x125 D16,25	1
13	ZD3177199	Bushing	D30/20,1x128-2xL25	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298467	Spring	14x97x218	1
16	ZD3251226	O-ring	46x3-80Shore Viton83	2
17	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
18	ZD4128091	Stalk bracket	90x90/D20x128-D18 Rubin-B HI	1
19	ZD4278170	Bearing	D110/27x83 Rubin 9	1
20	ZD3030971	Nut	M16 DIN934-10	2
21	ZD3059887	Spring ring	16 DIN127	4

FLR09-300

Stalk bracket

612 8090

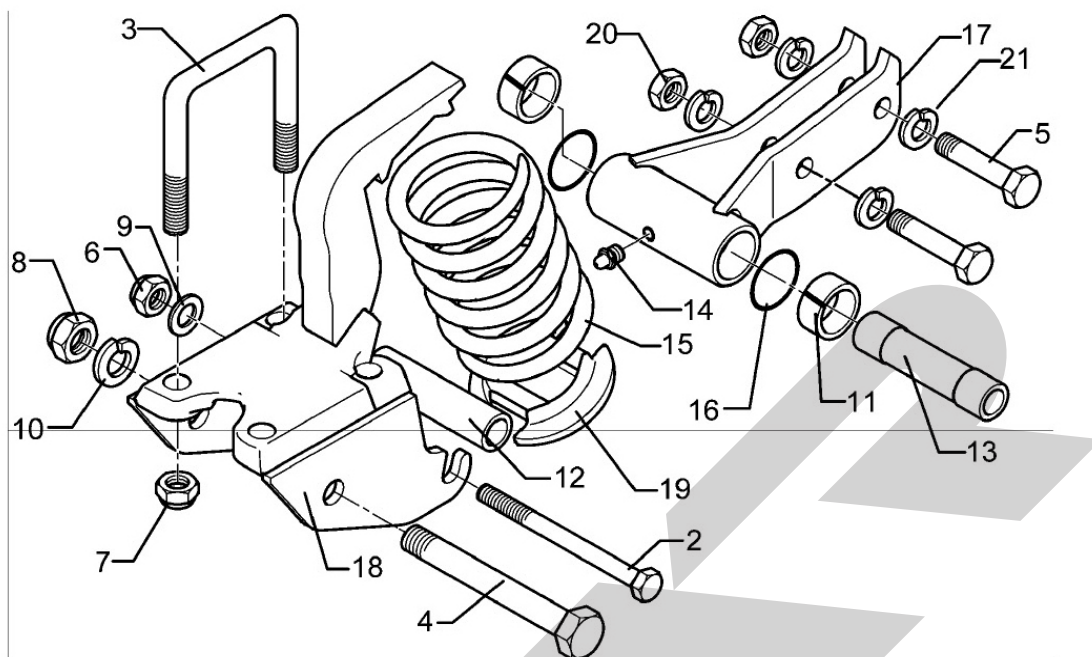


ref.	Parts No.	Description	Dimension	Q'ty
2	ZD3014099	Bolt	M16x160-8.8	1
3	ZD3017795	U-bolt	M16/90/135 (381) Zn	2
4	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
5	ZD3015361	Bolt	M16x75-12.9	2
6	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	1
7	ZD3030954	Nut	M16 DIN 6330-10 Form B	4
8	ZD3030977	Nut	M20x1,5 DIN934-10	1
9	ZD3056143	Washer	B17/30x3 DIN125	1
11	ZD3173422	Expansion bush	EG30/38x25-DIN1498	2
12	ZD3176826	Tube	30,0x4,5x125 +-1,0	1
13	ZD3177199	Bushing	D30/20,1x128-2xL25	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298467	Spring	14x97x218	1
16	ZD3251226	O-ring	46x3-80Shore Viton83	2
17	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
18	ZD4128110	Stalk bracket	90x90/D20x128-D18 Rubin-A	1
19	ZD4278170	Bearing	D110/27x83 Rubin 9	1
20	ZD3030971	Nut	M16 DIN934-10	2
21	ZD3059887	Spring ring	16 DIN127	4

FLR09-300

Stalk bracket

612 8091

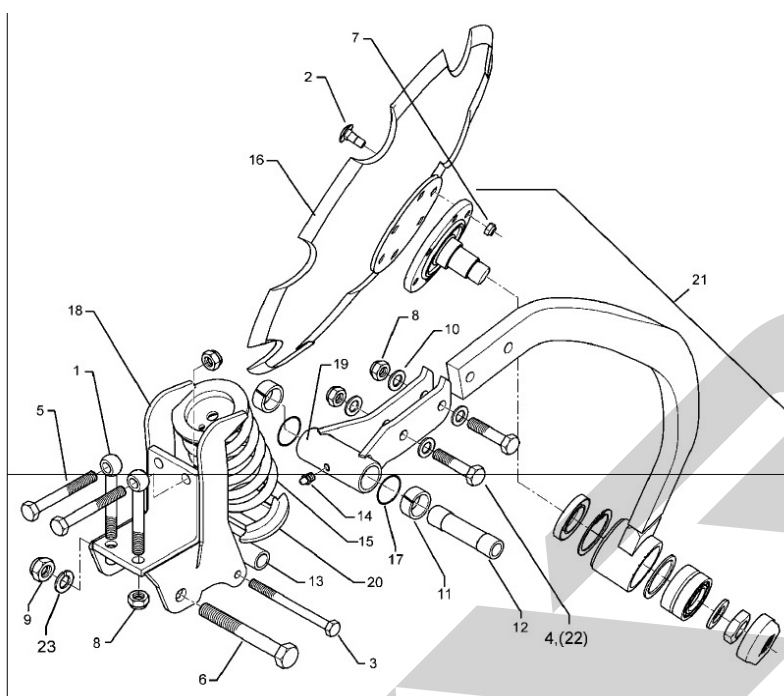


ref.	Parts No.	Description	Dimension	Q'ty
2	ZD3014099	Bolt	M16x160-8.8	1
3	ZD3017795	U-bolt	M16/90/135 (381) Zn	2
4	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
5	ZD3015361	Bolt	M16x75-12.9	2
6	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	1
7	ZD3030954	Nut	M16 DIN 6330-10 Form B	4
8	ZD3030977	Nut	M20x1,5 DIN934-10	1
9	ZD3056143	Washer	B17/30x3 DIN125	1
10	ZD3059888	Spring ring	20 DIN127-A	2
11	ZD3173422	Expansion bush	EG30/38x25-DIN1498	2
12	ZD3176826	Tube	30,0x4,5x125 +-1,0	1
13	ZD3177199	Bushing	D30/20,1x128-2xL25	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298467	Spring	14x97x218	1
16	ZD3251226	O-ring	46x3-80Shore Viton83	2
17	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
18	ZD4128091	Stalk bracket	90x90/D20x128-D18 Rubin-B HI	1
19	ZD4278170	Bearing	D110/27x83 Rubin 9	1
20	ZD3030971	Nut	M16 DIN934-10	2
21	ZD3059887	Spring ring	16 DIN127	4

FLR09-300

Hollow disc unit

612 8100

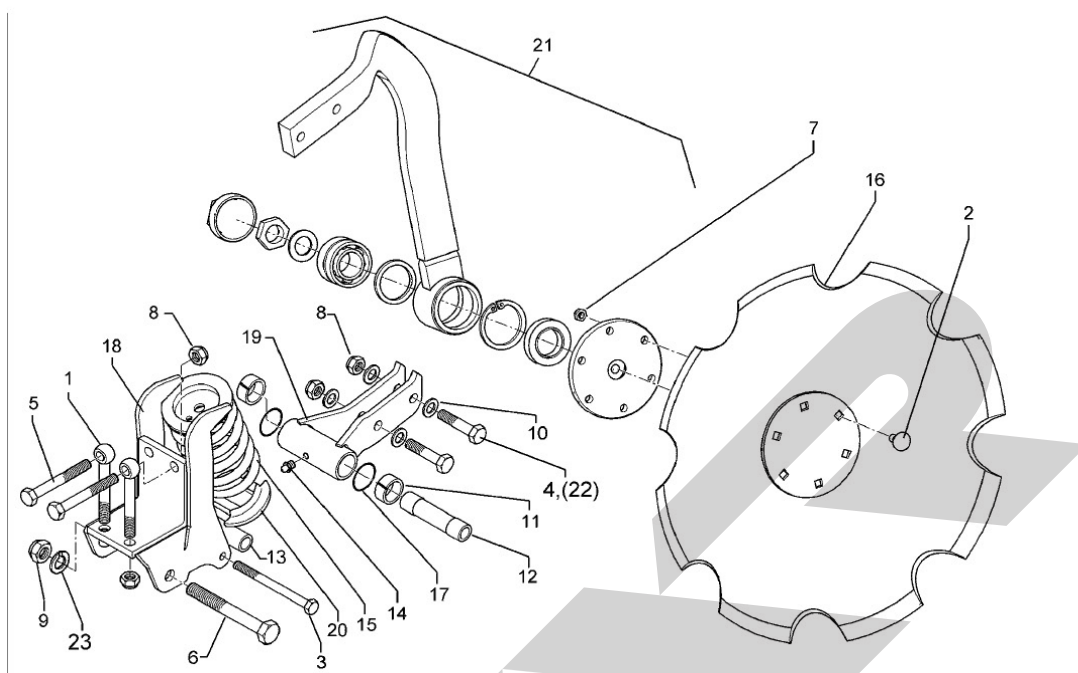


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3010869	Eye bolt	BM16x130xb25-8.8 D2=16,1	2
2	ZD3011806	Bolt, cup square head	M12x30-10.9	6
3	ZD3015015	Bolt	M12x130-10.9	1
4	ZD3015360	Bolt	M16x70-12.9	2
5	ZD3014079	Bolt	M16x140-8.8	2
6	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
7	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	7
8	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	6
9	ZD3030977	Nut	M20x1,5 DIN934-10	1
10	ZD3056143	Washer	B17/30x3 DIN125	4
11	ZD3173417	Expansion bush	EG30/38x25	2
12	ZD3177199	Bushing	D30/20,1x128-2xL25	1
13	ZD3176835	Tube	30x8x99 +-1,0	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298469	Spring	14x97x202	1
16	ZD3490466	Hollow disc	D620x6	1
17	ZD3251226	O-ring	46x3-80Shore Viton83	2
18	ZD4128102	Stalk bracket	90x90/D20x128 Rubin	1
19	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
20	ZD4278169	Bearing	D110/20x83 Rubin 9	1
21	ZD5128100	Tine with bearing	RE 60x25 D130 6xD12 Rubin 9	1
22	ZD3013870	Bolt	M16x65-10.9	2
23	ZD3059888	Spring ring	20 DIN127-A	1

FLR09-300

Hollow disc unit

612 8101

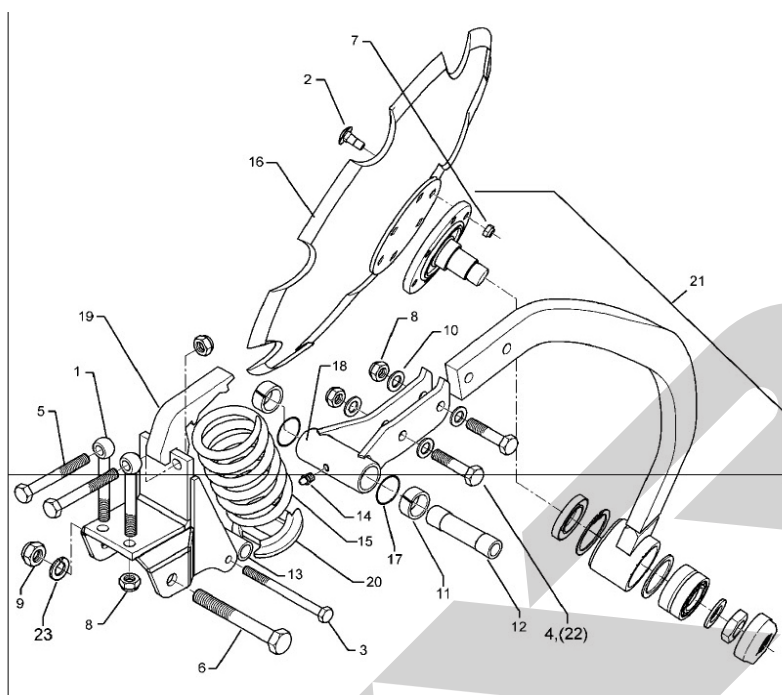


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3010869	Eye bolt	BM16x130xb25-8.8 D2=16,1	2
2	ZD3011806	Bolt, cup square head	M12x30-10.9	6
3	ZD3015015	Bolt	M12x130-10.9	1
4	ZD3015360	Bolt	M16x70-12.9	2
5	ZD3014079	Bolt	M16x140-8.8	2
6	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
7	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	7
8	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	6
9	ZD3030977	Nut	M20x1,5 DIN934-10	1
10	ZD3056143	Washer	B17/30x3 DIN125	4
11	ZD3173417	Expansion bush	EG30/38x25	2
12	ZD3177199	Bushing	D30/20,1x128-2xL25	1
13	ZD3176835	Tube	30x8x99 +-1,0	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298469	Spring	14x97x202	1
16	ZD3490466	Hollow disc	D620x6	1
17	ZD3251226	O-ring	46x3-80Shore Viton83	2
18	ZD4128102	Stalk bracket	90x90/D20x128 Rubin	1
19	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
20	ZD4278169	Bearing	D110/20x83 Rubin 9	1
21	ZD5128101	Tine with bearing	LI 60x25 D130 6xD12 Rubin 9	1
22	ZD3013870	Bolt	M16x65-10.9	2
23	ZD3059888	Spring ring	20 DIN127-A	1

FLR09-300

Hollow disc unit

612 8104

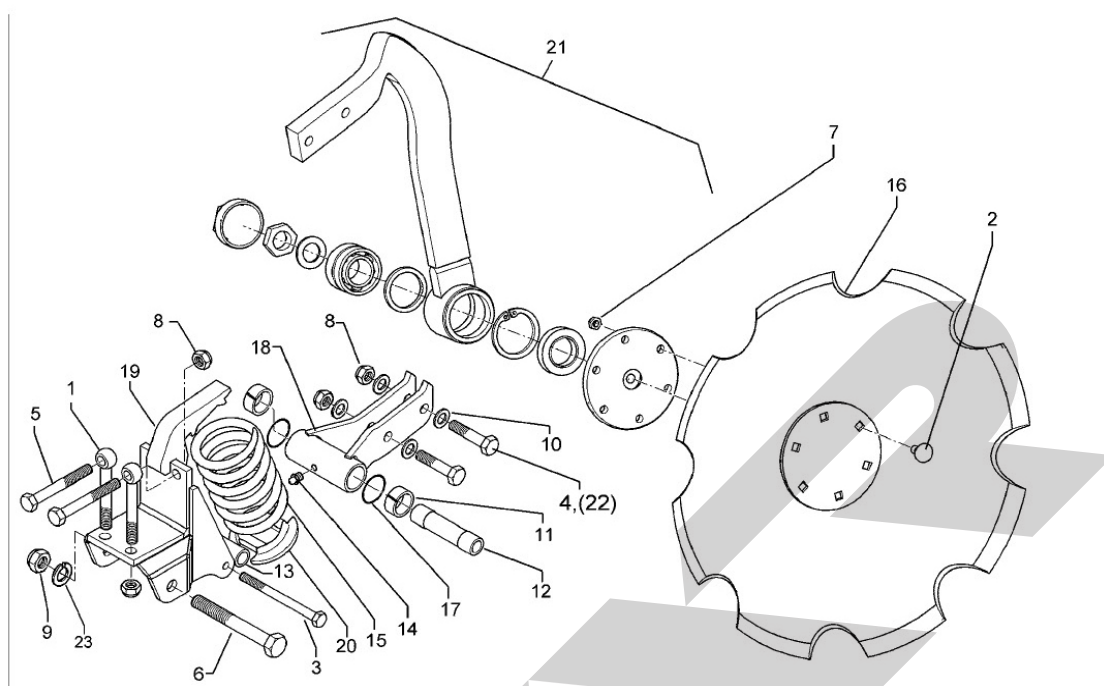


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3010869	Eye bolt	BM16x130xb25-8.8 D2=16,1	2
2	ZD3011806	Bolt, cup square head	M12x30-10.9	6
3	ZD3015015	Bolt	M12x130-10.9	1
4	ZD3015360	Bolt	M16x70-12.9	2
5	ZD3014079	Bolt	M16x140-8.8	2
6	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
7	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	7
8	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	6
9	ZD3030977	Nut	M20x1,5 DIN934-10	1
10	ZD3056143	Washer	B17/30x3 DIN125	4
11	ZD3173417	Expansion bush	EG30/38x25	2
12	ZD3177199	Bushing	D30/20,1x128-2xL25	1
13	ZD3176835	Tube	30x8x99 +-1,0	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298469	Spring	14x97x202	1
16	ZD3490466	Hollow disc	D620x6	1
17	ZD3251226	O-ring	46x3-80Shore Viton83	2
18	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
19	ZD4128105	Stalk bracket	90x90/D20x128-30 Rubin	1
20	ZD4278169	Bearing	D110/20x83 Rubin 9	1
21	ZD5128100	Tine with bearing	RE 60x25 D130 6xD12 Rubin 9	1
22	ZD3013870	Bolt	M16x65-10.9	2
23	ZD3059888	Spring ring	20 DIN127-A	1

FLR09-300

Hollow disc unit

612 8105

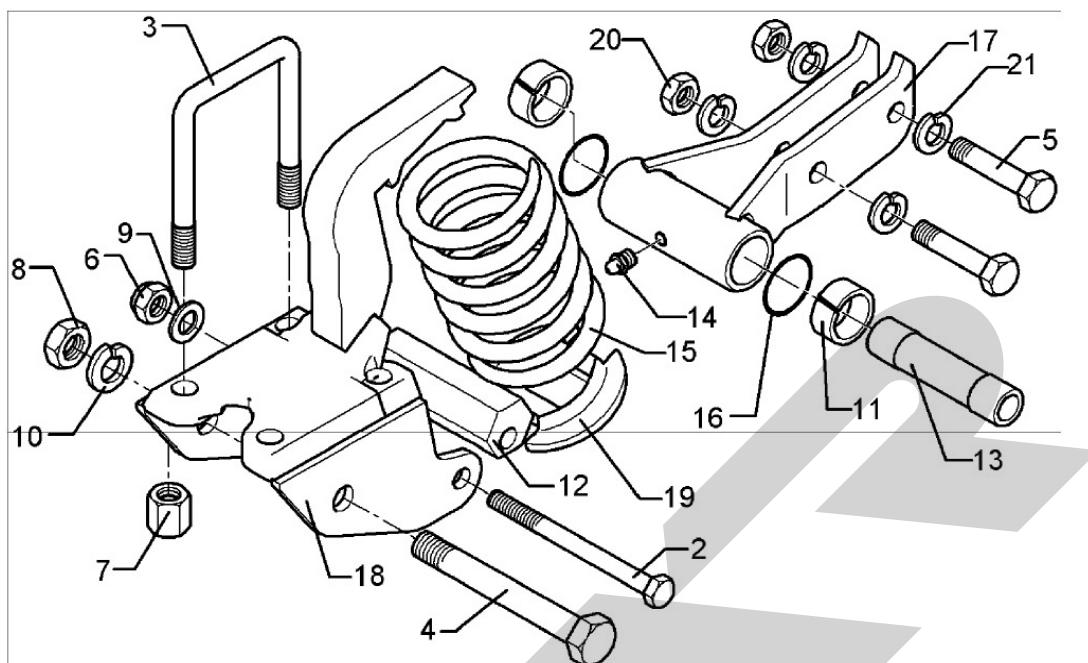


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3010869	Eye bolt	BM16x130xb25-8.8 D2=16,1	2
2	ZD3011806	Bolt, cup square head	M12x30-10.9	6
3	ZD3015015	Bolt	M12x130-10.9	1
4	ZD3015360	Bolt	M16x70-12.9	2
5	ZD3014079	Bolt	M16x140-8.8	2
6	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
7	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	7
8	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	6
9	ZD3030977	Nut	M20x1,5 DIN934-10	1
10	ZD3056143	Washer	B17/30x3 DIN125	4
11	ZD3173417	Expansion bush	EG30/38x25	2
12	ZD3177199	Bushing	D30/20,1x128-2xL25	1
13	ZD3176835	Tube	30x8x99 +-1,0	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298469	Spring	14x97x202	1
16	ZD3490466	Hollow disc	D620x6	1
17	ZD3251226	O-ring	46x3-80Shore Viton83	2
18	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
19	ZD4128105	Stalk bracket	90x90/D20x128-30 Rubin	1
20	ZD4278169	Bearing	D110/20x83 Rubin 9	1
21	ZD5128101	Tine with bearing	LI 60x25 D130 6xD12 Rubin 9	1
22	ZD3013870	Bolt	M16x65-10.9	2
23	ZD3059888	Spring ring	20 DIN127-A	1

FLR09-300

Stalk bracket

612 8109

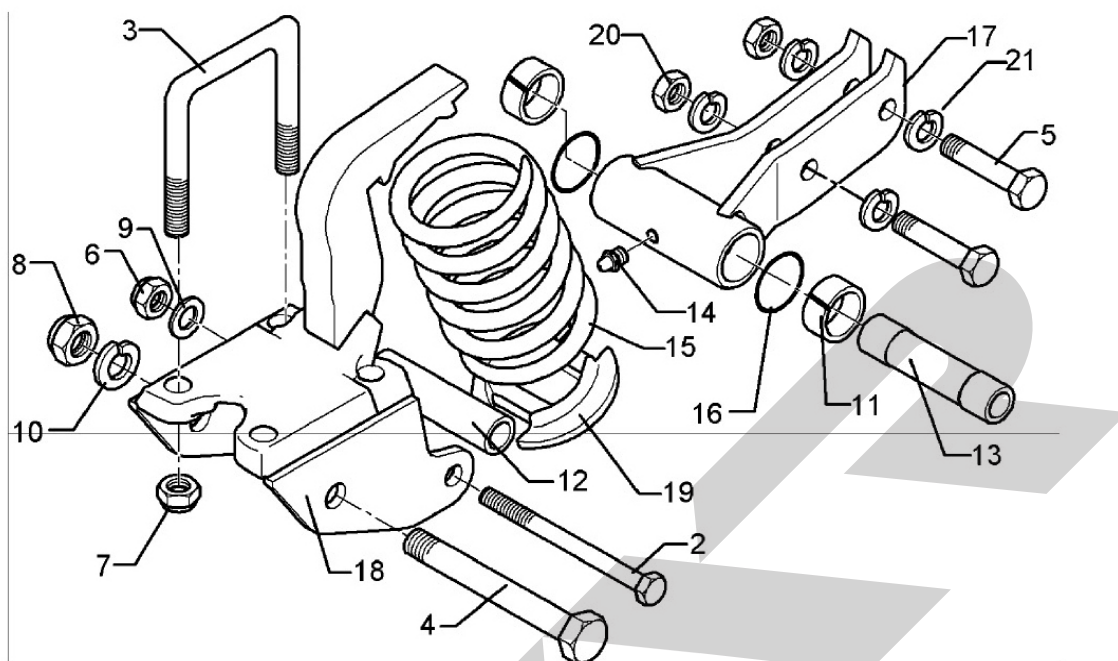


ref.	Parts No.	Description	Dimension	Q'ty
2	ZD3014099	Bolt	M16x160-8.8	1
3	ZD3017795	U-bolt	M16/90/135 (381) Zn	2
4	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
5	ZD3015361	Bolt	M16x75-12.9	2
6	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	1
7	ZD3030954	Nut	M16 DIN 6330-10 Form B	4
8	ZD3030977	Nut	M20x1,5 DIN934-10	1
9	ZD3056143	Washer	B17/30x3 DIN125	1
10	ZD3059888	Spring ring	20 DIN127-A	2
11	ZD3173422	Expansion bush	EG30/38x25-DIN1498	2
12	ZD3177701	Eccentric	SW41x125 D16,25	1
13	ZD3177199	Bushing	D30/20,1x128-2xL25	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298469	Spring	14x97x202	1
16	ZD3251226	O-ring	46x3-80Shore Viton83	2
17	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
18	ZD4128110	Stalk bracket	90x90/D20x128-D18 Rubin-A	1
19	ZD4278169	Bearing	D110/20x83 Rubin 9	1
20	ZD3030971	Nut	M16 DIN934-10	2
21	ZD3059887	Spring ring	16 DIN127	4

FLR09-300

Stalk bracket

612 8110

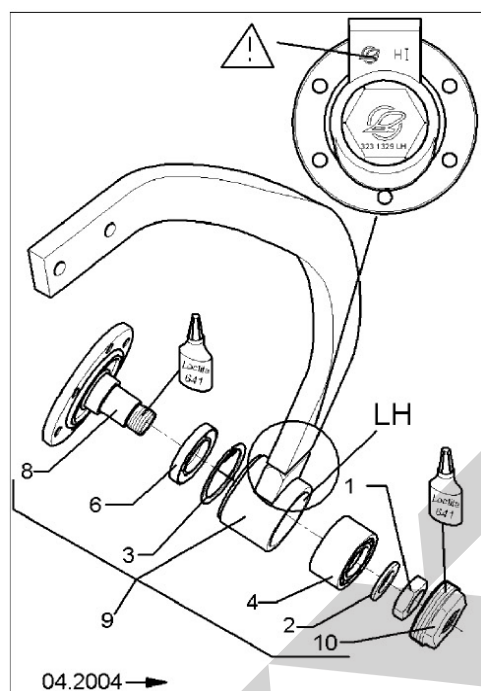


ref.	Parts No.	Description	Dimension	Q'ty
2	ZD3014099	Bolt	M16x160-8.8	1
3	ZD3017795	U-bolt	M16/90/135 (381) Zn	2
4	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
5	ZD3015361	Bolt	M16x75-12.9	2
6	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	1
7	ZD3030954	Nut	M16 DIN 6330-10 Form B	4
8	ZD3030977	Nut	M20x1,5 DIN934-10	1
9	ZD3056143	Washer	B17/30x3 DIN125	1
10	ZD3059888	Spring ring	20 DIN127-A	2
11	ZD3173422	Expansion bush	EG30/38x25-DIN1498	2
12	ZD3176826	Tube	30,0x4,5x125 +-1,0	1
13	ZD3177199	Bushing	D30/20,1x128-2xL25	1
14	ZD3236348	Grease nipple	AM10x1 DIN71412	1
15	ZD3298469	Spring	14x97x202	1
16	ZD3251226	O-ring	46x3-80Shore Viton83	2
17	ZD4128103	Bracket bearing	D51x128 60x25 Rubin 9	1
18	ZD4128110	Stalk bracket	90x90/D20x128-D18 Rubin-A	1
19	ZD4278169	Bearing	D110/20x83 Rubin 9	1
20	ZD3030971	Nut	M16 DIN934-10	2
21	ZD3059887	Spring ring	16 DIN127	4

FLR09-300

Tine with bearing

612 8112

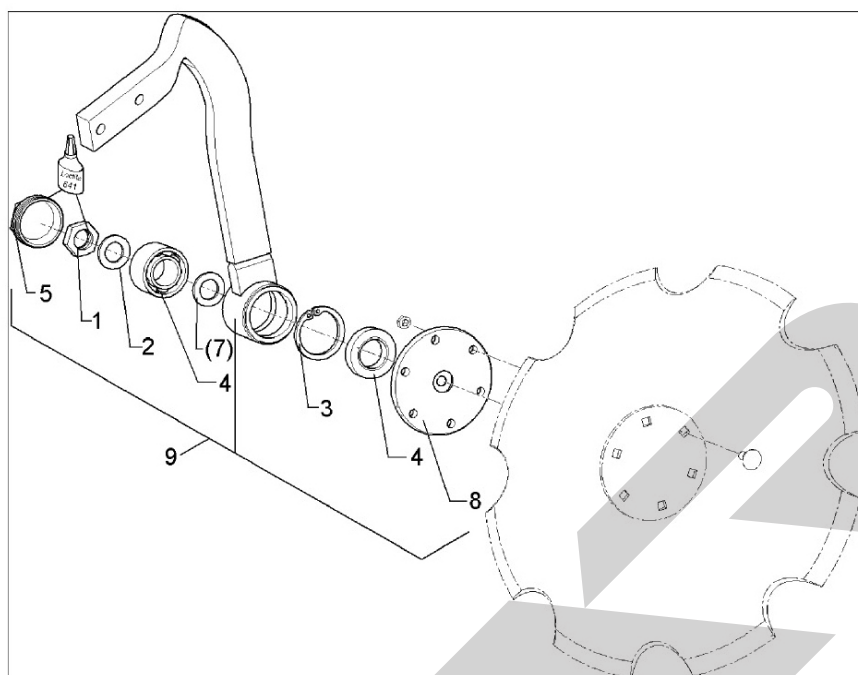


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3030994	Nut	M30x1,5 DIN439-05 Zn	1
2	ZD3052242	Supporting washer	S 30/42x2,5 DIN988	1
3	ZD3058938	Securing ring	72x2,5 DIN472	1
4	ZD3198750	Bearing	35/72 2RS	1
5	ZD3231328	Cap	M75x1,5-RH	1
6	ZD3238301	Sealing	RWDR 45x70x17 75 NBR 106200	1
7	ZD3052071	Shim	35x45x0,5 DIN988	1
8	ZD4550300	Shaft	D160x88 M30x1,5 6xD12,1	1
9	ZD5128100	Tine with bearing	RE 60x25 D130 6xD12 Rubin 9	1
10	ZD3231329	Cap	M75x1,5-LH	1

FLR09-300

Tine with bearing

612 8113

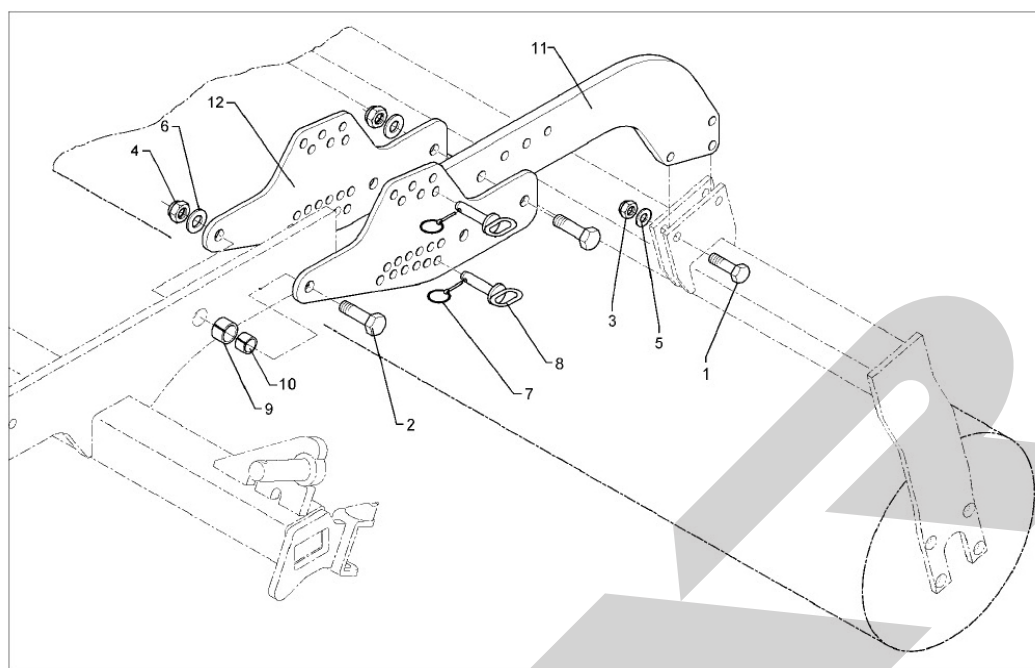


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3030995	Nut	M30x1,5-LH DIN439-05 Zn	1
2	ZD3052242	Supporting washer	S 30/42x2,5 DIN988	1
3	ZD3058938	Securing ring	72x2,5 DIN472	1
4	ZD3198750	Bearing	35/72 2RS	1
5	ZD3231328	Cap	M75x1,5-RH	1
6	ZD3238301	Sealing	RWDR 45x70x17 75 NBR 106200	1
7	ZD3052071	Shim	35x45x0,5 DIN988	1
8	ZD4550301	Shaft	D160x88 M30x1,5-LH 6xD12,1	1
9	ZD5128101	Tine with bearing	LI 60x25 D130 6xD12 Rubin 9	1

FLR09-300

Carrier

612 8120

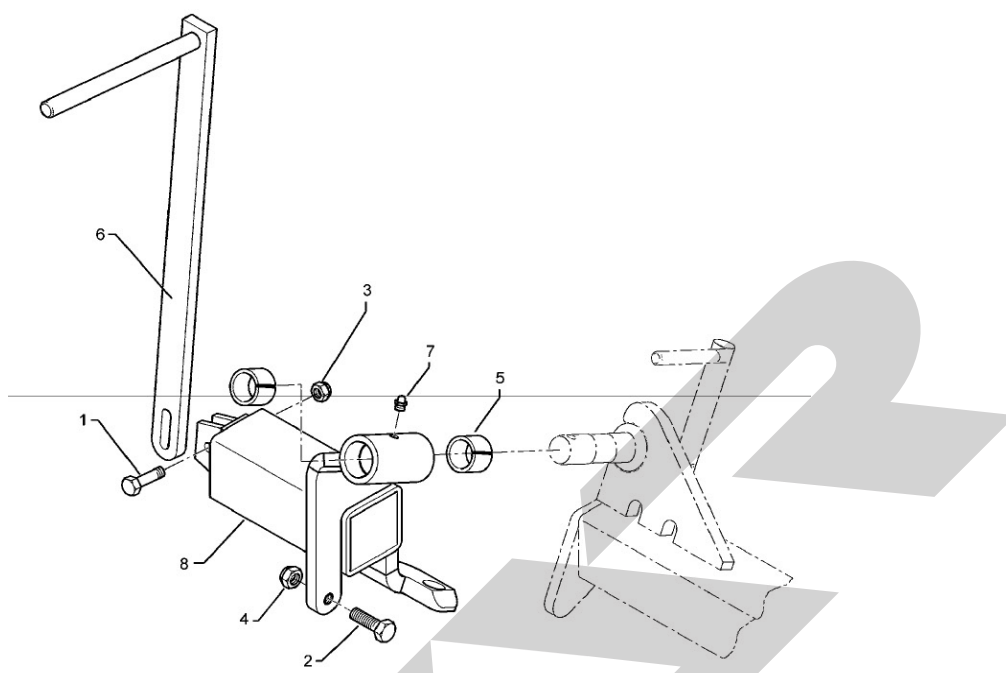


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013870	Bolt	M16x65-10.9	3
2	ZD3014601	Bolt	M20x70-10.9	3
3	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	3
4	ZD3030936	Selflocking nut	DIN985-NM20-8 Zn	3
5	ZD3056155	Washer	D30/17x6 St-37	2
6	ZD3056164	Washer	D35/20,5x5	3
7	ZD3119565	Securing pin	4,5mm	2
8	ZD3138152	Pin with grip, yellow	GB D16x50,8/70 Zn	2
9	ZD3173352	Expansion bush	EG28/32x20	1
10	ZD3176657	Bush	D20/28x22	1
11	ZD4128120	Carrier	276/110x20x713 Rubin	1
12	ZD4128121	Adjuster plate	10x237x560 Rubin	2

FLR09-300

Bracket

612 8150

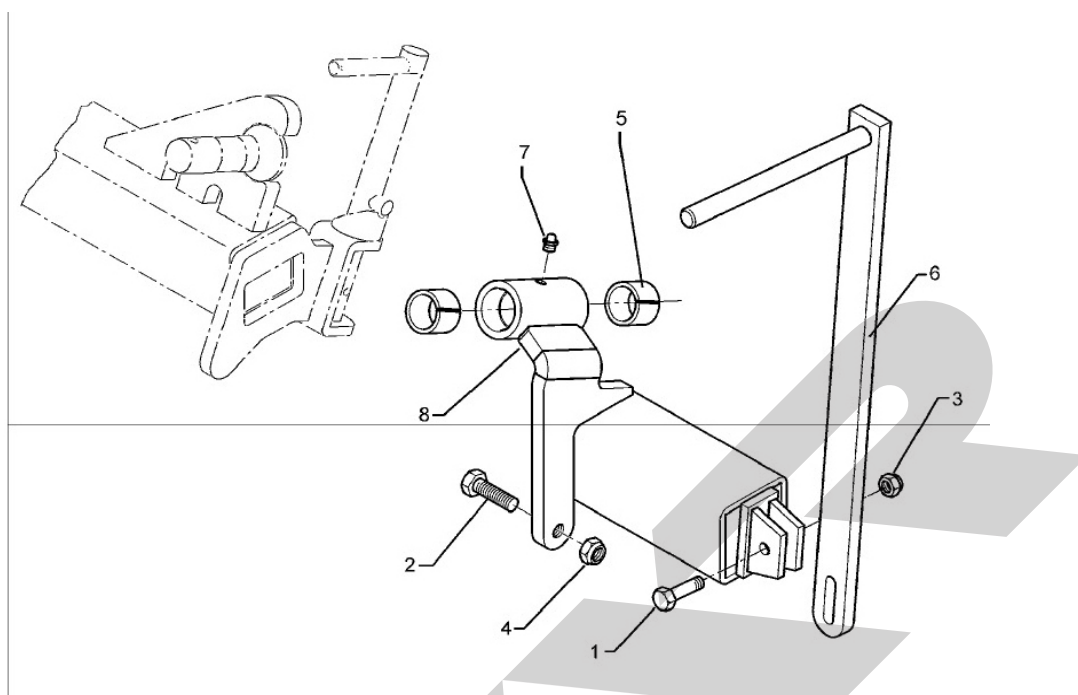


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013363	Bolt	M12x45-8.8	1
2	ZD3013775	Screw	M16x50-8.8	1
3	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	1
4	ZD3030976	Nut	M16 DIN934-8	1
5	ZD3173421	Expansion bush	EG35/40x22	2
6	ZD3216936	Handle	40x10x590	1
7	ZD3236348	Grease nipple	AM10x1 DIN71412	1
8	ZD4128150	Bracket	90x90x220 25° LI Rubin 9	1

FLR09-300

Bracket

612 8151

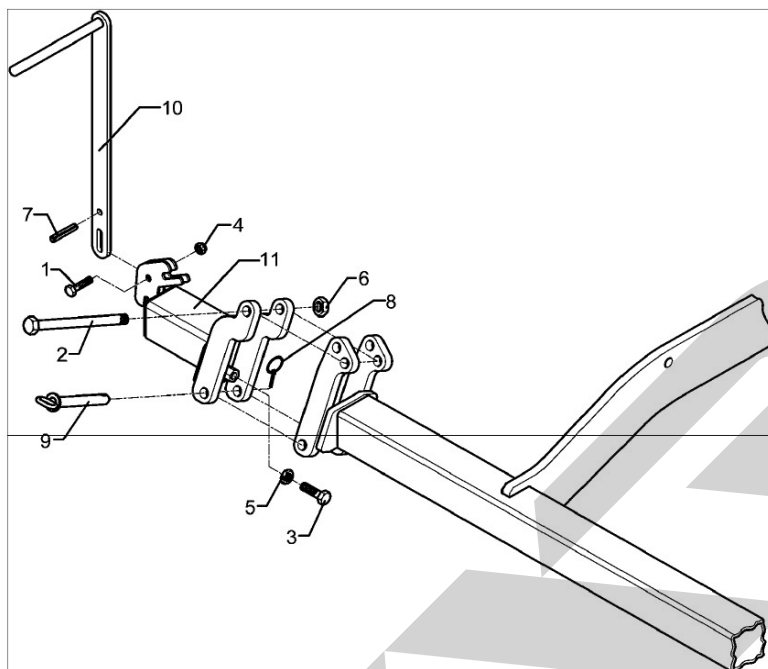


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013363	Bolt	M12x45-8.8	1
2	ZD3013775	Screw	M16x50-8.8	1
3	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	1
4	ZD3030976	Nut	M16 DIN934-8	1
5	ZD3173421	Expansion bush	EG35/40x22	2
6	ZD3216936	Handle	40x10x590	1
7	ZD3236348	Grease nipple	AM10x1 DIN71412	1
8	ZD4128151	Bracket	90x90x220 25° LI Rubin 9	1

FLR09-300

Bracket

612 8152

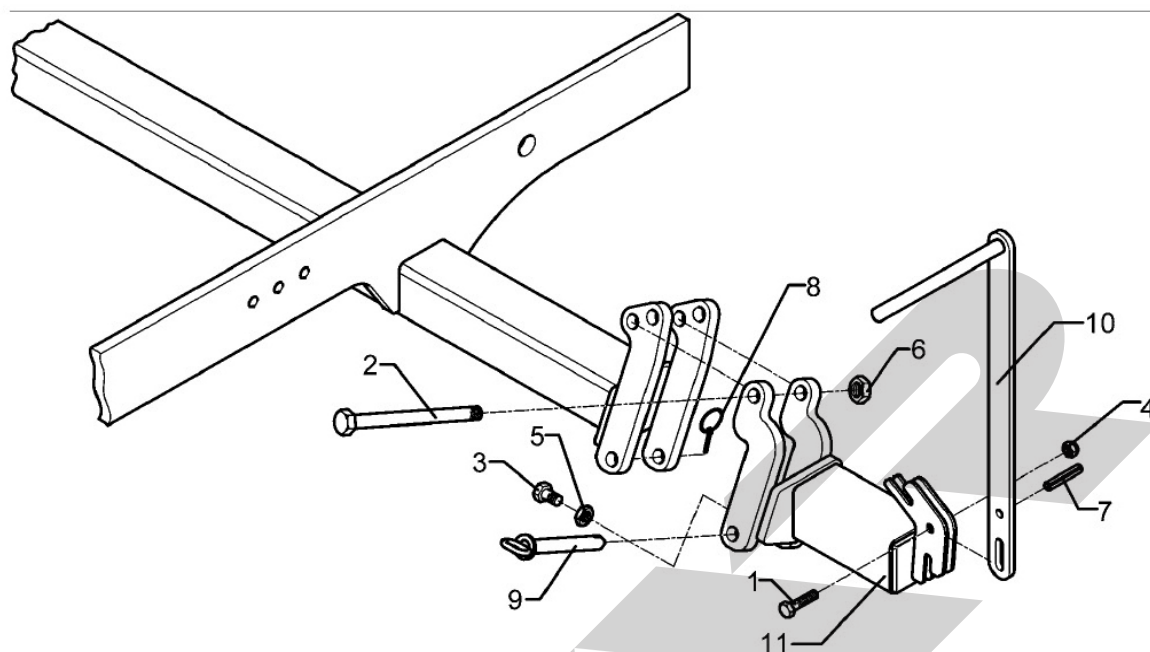


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013348	Screw	M12x40-8.8	1
2	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
3	ZD3017380	Screw	M16x35-8.8 Zn	1
4	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	1
5	ZD3030958	Nut	BM16 DIN936-8	1
6	ZD3030977	Nut	M20x1,5 DIN934-10	1
7	ZD3096208	Expansion bush	12x50-DIN1481 Chrom 8	1
8	ZD3119565	Securing pin	4,5mm	1
9	ZD3132020	Pin with grip	GB D20x143/165	1
10	ZD3216936	Handle	40x10x590	1
11	ZD4128152	Bracket	90x90x188 24° RE Rubin 9-A	1

FLR09-300

Bracket

612 8153

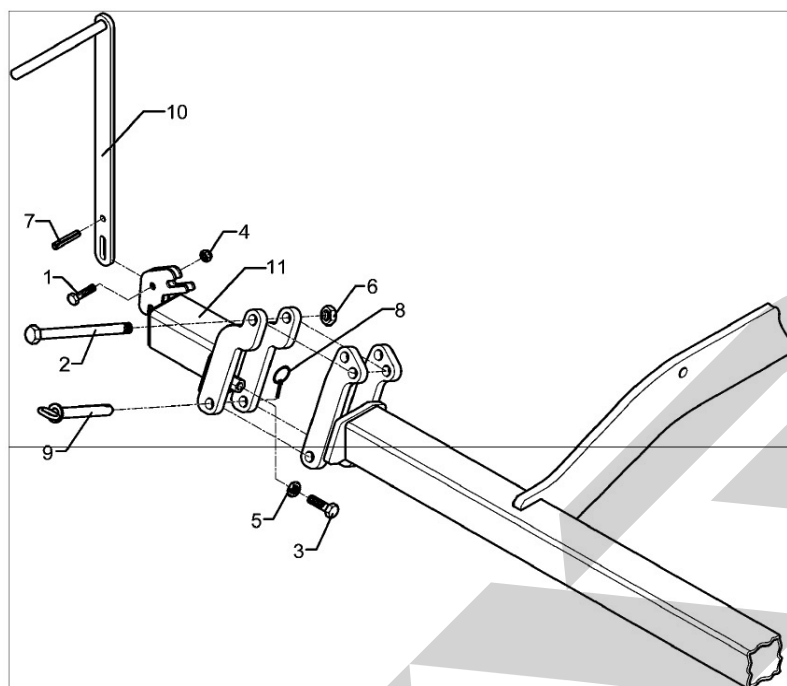


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013348	Screw	M12x40-8.8	1
2	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
3	ZD3017380	Screw	M16x35-8.8 Zn	1
4	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	1
5	ZD3030958	Nut	BM16 DIN936-8	1
6	ZD3030977	Nut	M20x1,5 DIN934-10	1
7	ZD3096208	Expansion bush	12x50-DIN1481 Chrom 8	1
8	ZD3119565	Securing pin	4,5mm	1
9	ZD3132020	Pin with grip	GB D20x143/165	1
10	ZD3216936	Handle	40x10x590	1
11	ZD4128153	Bracket	90x90x188 24° LI Rubin 9-A	1

FLR09-300

Bracket

612 8154

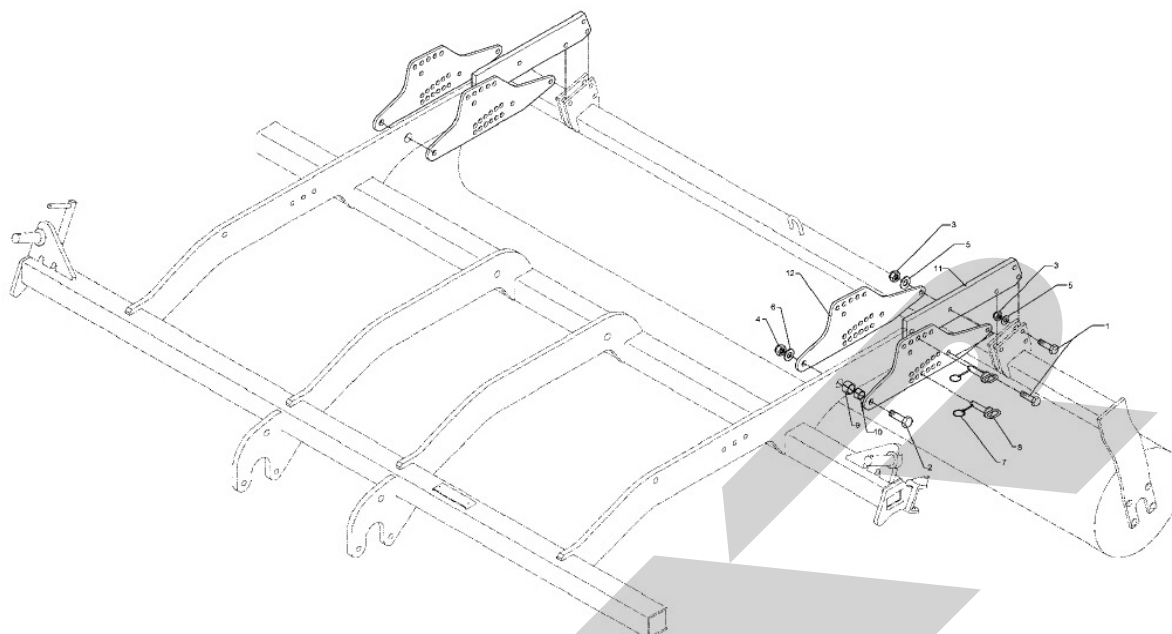


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013348	Screw	M12x40-8.8	1
2	ZD3014523	Bolt	M20x1,5x170ls144xb23-10.9	1
3	ZD3017380	Screw	M16x35-8.8 Zn	1
4	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	1
5	ZD3030958	Nut	BM16 DIN936-8	1
6	ZD3030977	Nut	M20x1,5 DIN934-10	1
7	ZD3096208	Expansion bush	12x50-DIN1481 Chrom 8	1
8	ZD3119565	Securing pin	4,5mm	1
9	ZD3132020	Pin with grip	GB D20x143/165	1
10	ZD3216936	Handle	40x10x590	1
11	ZD4128154	Bracket	90x90x188 19° RE Rubin Kompakt	1

FLR09-300

Carrier

612 8160

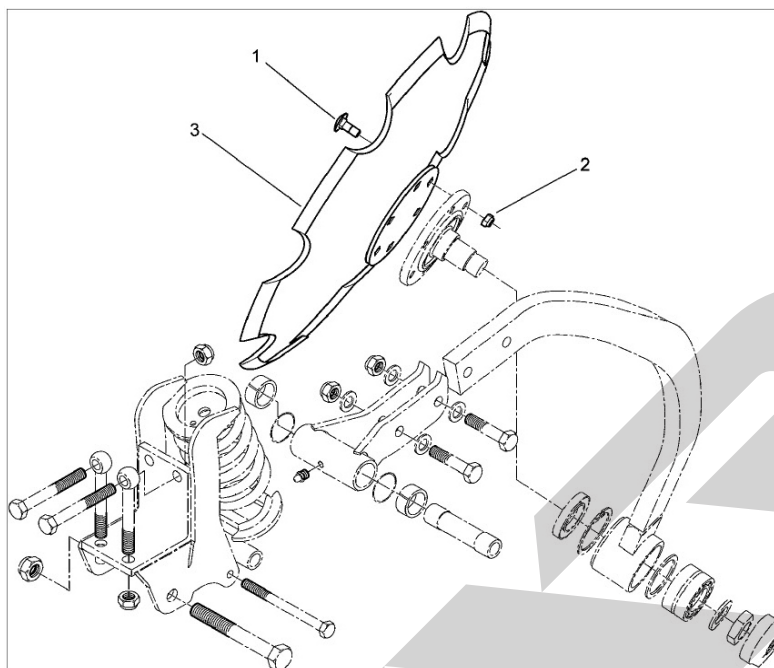


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013870	Bolt	M16x65-10.9	5
2	ZD3014601	Bolt	M20x70-10.9	1
3	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	5
4	ZD3030936	Selflocking nut	DIN985-NM20-8 Zn	1
5	ZD3056155	Washer	D30/17x6 St-37	4
6	ZD3056164	Washer	D35/20,5x5	1
7	ZD3119565	Securing pin	4,5mm	2
8	ZD3138152	Pin with grip, yellow	GB D16x50,8/70 Zn	2
9	ZD3173352	Expansion bush	EG28/32x20	1
10	ZD3176657	Bush	D20/28x22	1
11	ZD4128160	Carrier	100x20x531 Rubin 8	1
12	ZD4128161	Adjuster plate	10x203x590 Rubin Kompakt	2

FLR09-300

Hollow disc

657 9200

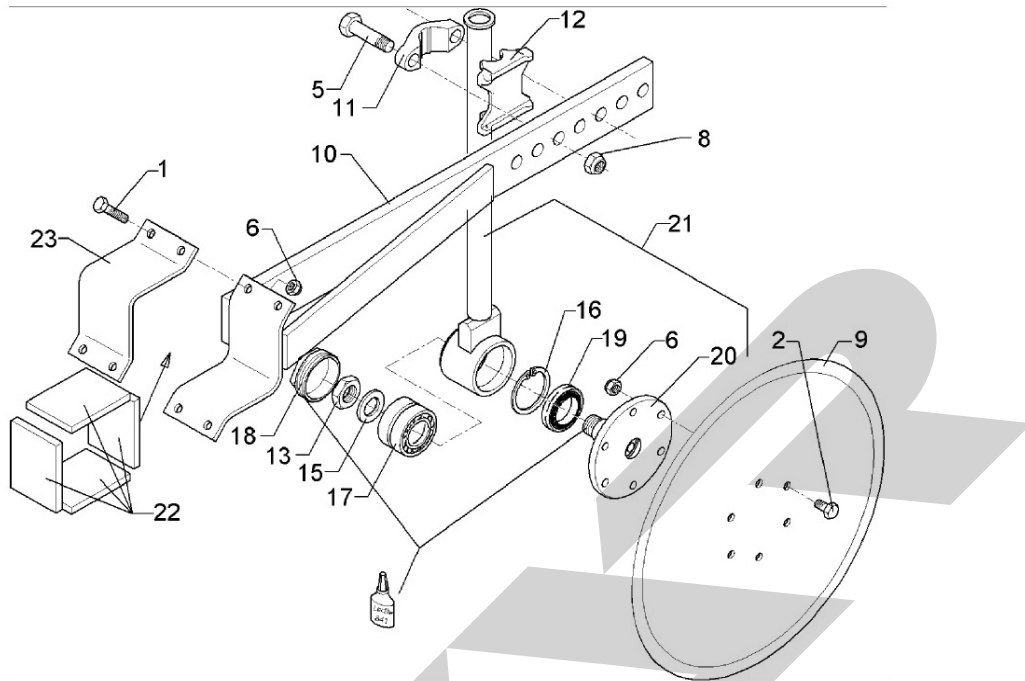


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3011806	Bolt, cup square head	M12x30-10.9	6
2	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	6
3	ZD3490466	Hollow disc	D620x6	1

FLR09-300

Outer disc

657 9304

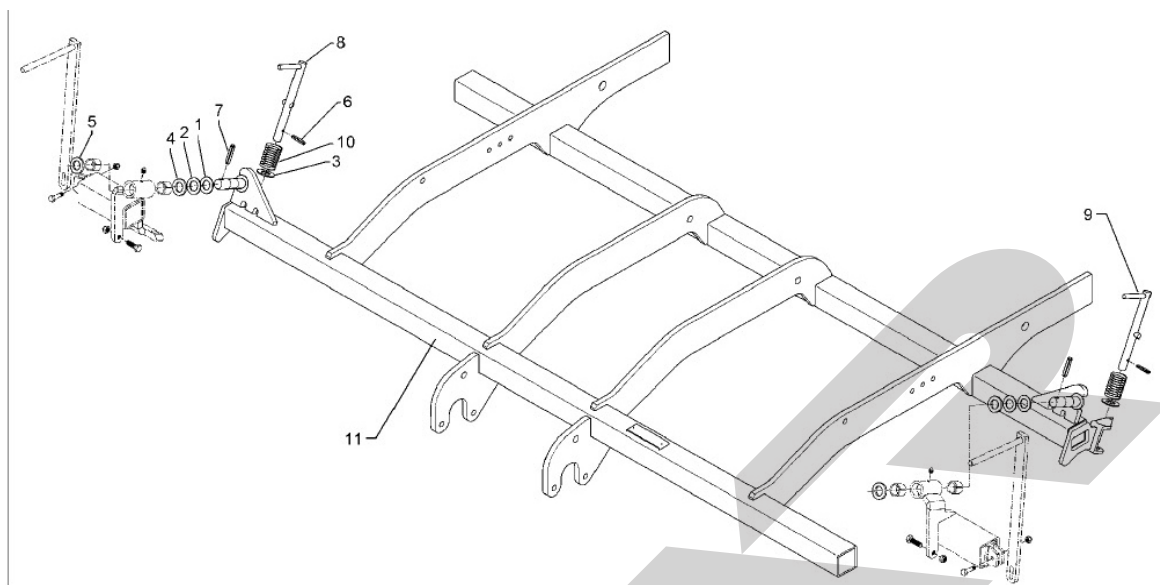


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013363	Bolt	M12x45-8.8	4
2	ZD3013323	Screw	M12x30-8.8	6
5	ZD3014387	Bolt	M20x90-8.8	2
6	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	10
8	ZD3030936	Selflocking nut	DIN985-NM20-8 Zn	2
9	ZD3490028	Disc	D500/130x5	1
10	ZD4579304	Bracket	100x8/80x20x850	1
11	ZD4599009	Clamp	45x35x120	1
12	ZD4599013	Clamping plate	35/80 Opal 90	1
13	ZD3030994	Nut	M30x1,5 DIN439-05 Zn	1
15	ZD3052242	Supporting washer	S 30/42x2,5 DIN988	1
16	ZD3058938	Securing ring	72x2,5 DIN472	1
17	ZD3198750	Bearing	35/72 2RS	1
18	ZD3231329	Cap	M75x1,5-LH	1
19	ZD3238301	Sealing	RWDR 45x70x17 75 NBR 106200	1
20	ZD4550300	Shaft	D160x88 M30x1,5 6xD12,1	1
21	ZD5579303	Disc arm cpl.	D35x520 D130/6xD12	1
22	ZD3314980	Rubber tape	90x12x120	4
23	ZD4599346	Clamping plate	8x100x280 4xD13	1

FLR09-300

Basic frame

612 8201

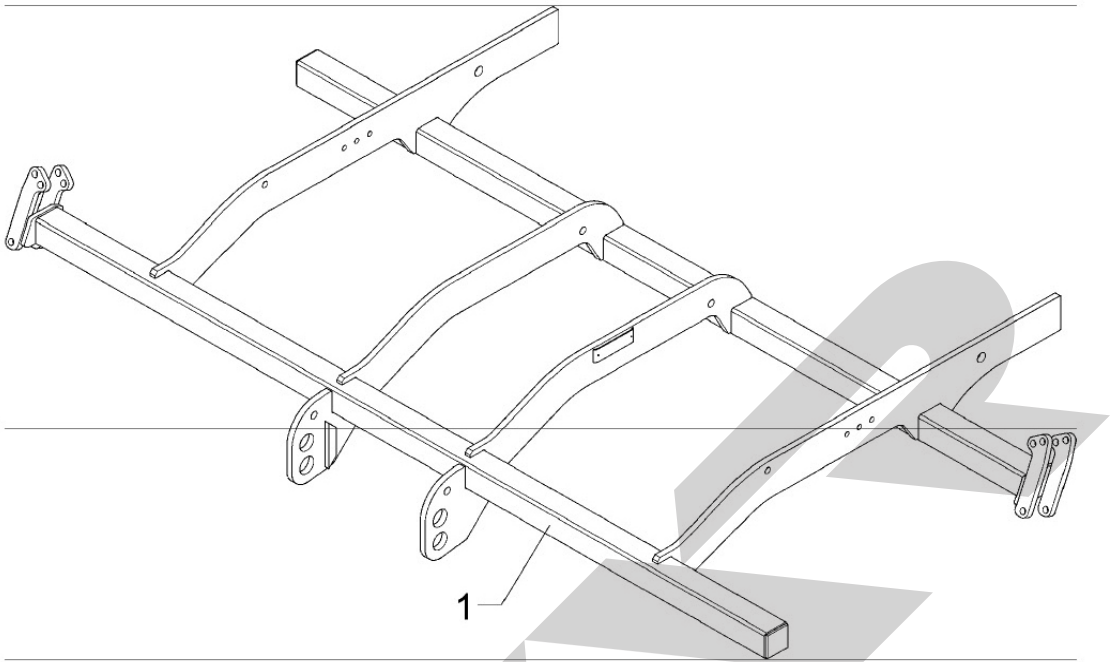


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3052071	Shim	35x45x0,5 DIN988	1
2	ZD3052072	Shim	35x45x1,0 DIN988	2
3	ZD3052240	Supporting washer	S 28x40x2,0 DIN988	2
4	ZD3052250	Supporting washer	S 40x50x2,5 DIN988	2
5	ZD3056364	Washer	60x36x4,5	2
6	ZD3096072	Expansion bush	8x40-DIN1481 Zn	2
7	ZD3096211	Expansion bush	12x60-DIN1481	2
8	ZD3138280	Locking pin	D26/RB223 (294) RE	1
9	ZD3138281	Locking pin	D26/RB223 (294) LI	1
10	ZD3298176	Spring	2,5x32x110 DIN2098	2
11	ZD4128201	Basic frame	Rubin 9/300	1

FLR09-300

Basic frame

612 8257

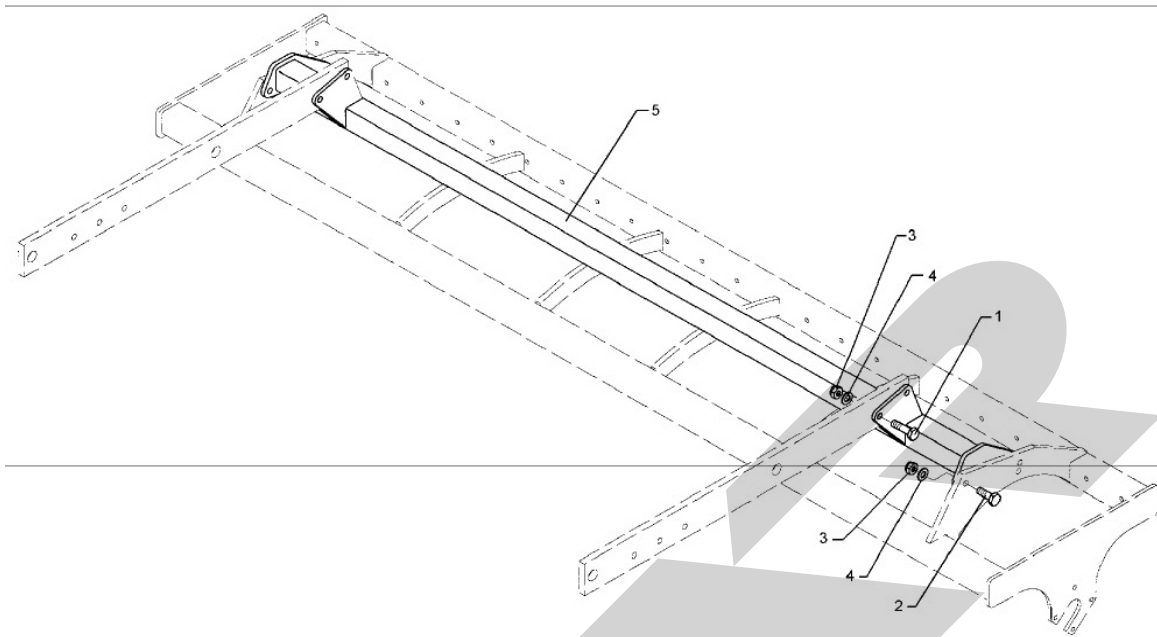


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD4128257	Basic frame	Rubin 9/300-B	1

FLR09-300

Adapter-inner thread

617 8181

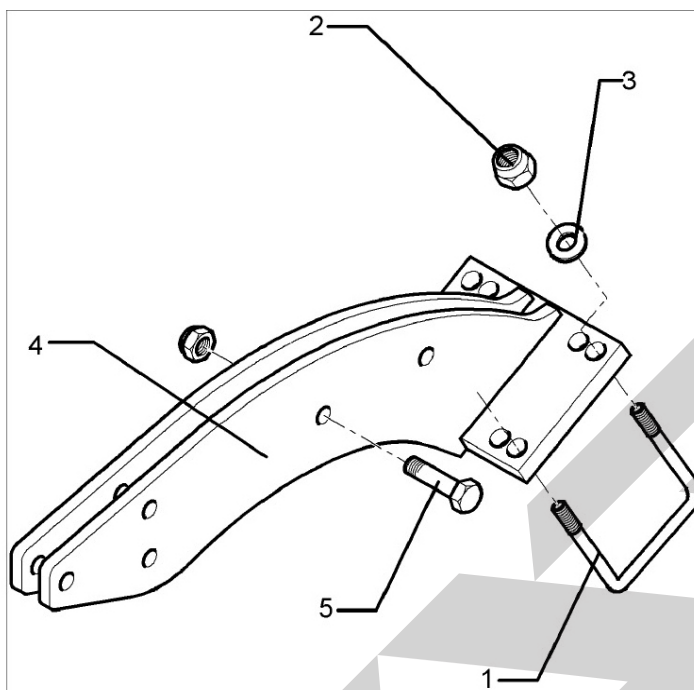


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3015360	Bolt	M16x70-12.9	4
2	ZD3015388	Bolt	M16x45-8.8	4
3	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	8
4	ZD3056155	Washer	D30/17x6 St-37	4
5	ZD4178181	Adapter for packer roller	SM9/300	1

FLR09-300

Holder

622 0184

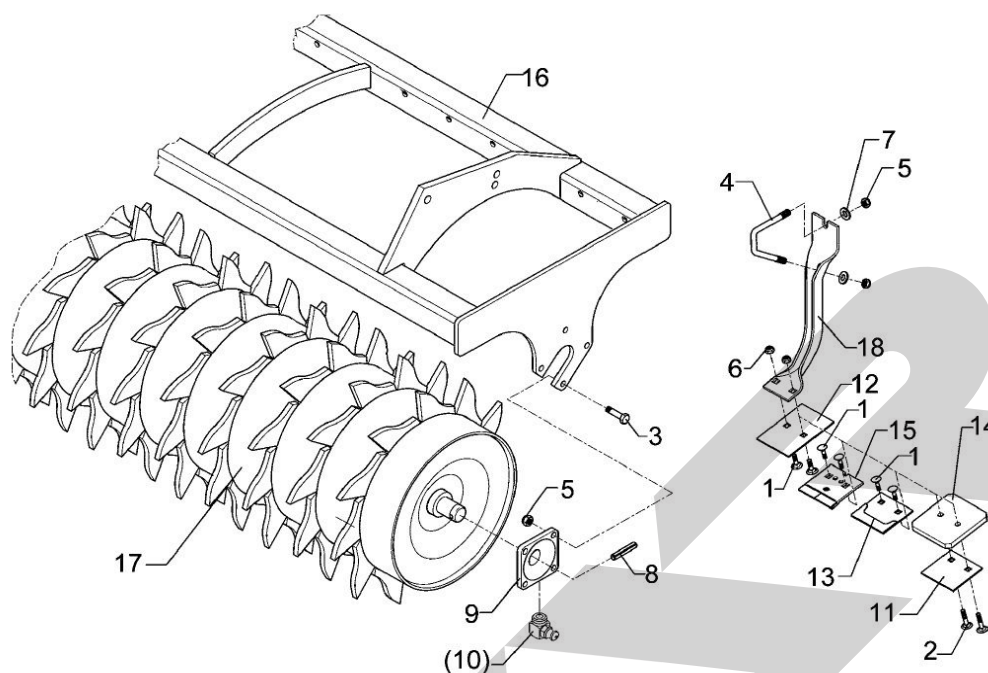


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3017797	U-bolt	M16/90/135 (381)	2
2	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	6
3	ZD3056143	Washer	B17/30x3 DIN125	4
4	ZD4220184	Holder	140x177x20-90 GRW D590	1
5	ZD3015360	Bolt	M16x70-12.9	2

FLR09-300

Packer roller

622 6345

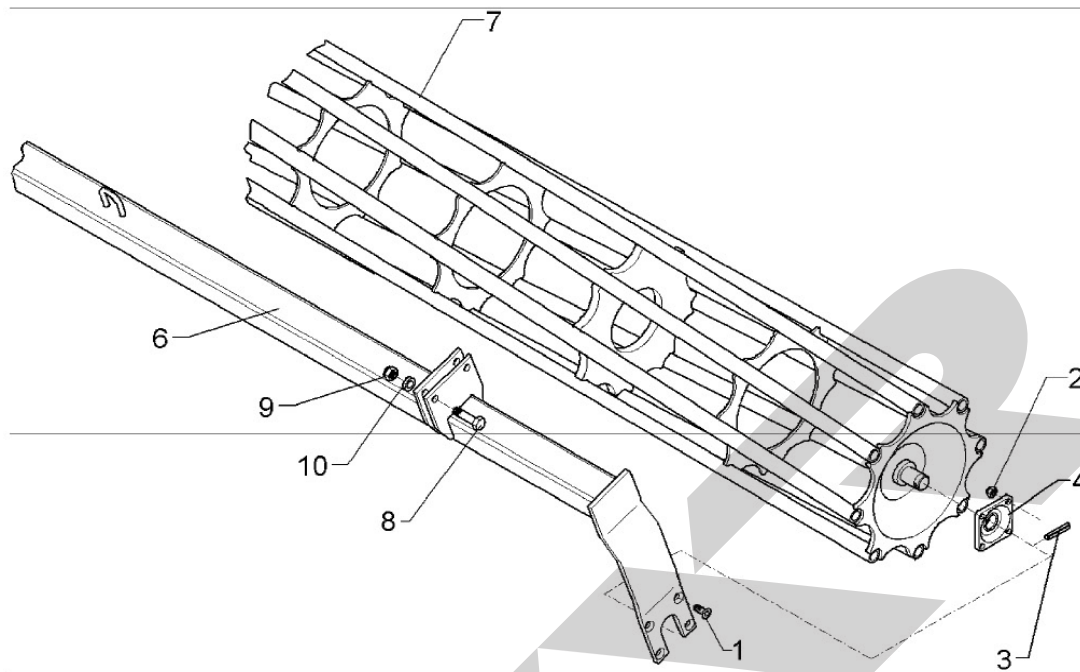


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3011700	Bolt, cup square head	M10x20-8.8	2
2	ZD3011706	Bolt, cup square head	M10x30-8.8 Zn	2
3	ZD3013348	Screw	M12x40-8.8	8
4	ZD3017788	U-bolt	M12/43/94/8.8 Zn	24
5	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	56
6	ZD3030970	Nut	M10 DIN934-8	2
7	ZD3056136	Washer	13/25x3 DIN1441-St	48
8	ZD3096072	Expansion bush	8x40-DIN1481 Zn	2
9	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	2
10	ZD3236360	Grease nipple	R1/8	2
11	ZD3492000	Scraper plate	90x3x85	1
12	ZD3492001	Scraper	90x3x130	1
13	ZD3492002	Scraper, hardfaced	90x3x85	1
14	ZD3492003	Synthetic scraper	110x120x12	1
15	ZD3492004	Scraper	90x5x94	1
16	ZD4226345	Frame	ZPW D500-300 A	1
17	ZD4232136	Packer roller	ZPW D500-3,0m	1
18	ZD4235905	Carrier for scraper	70x5x375-D500	1

FLR09-300

Tube bar roller

622 6610

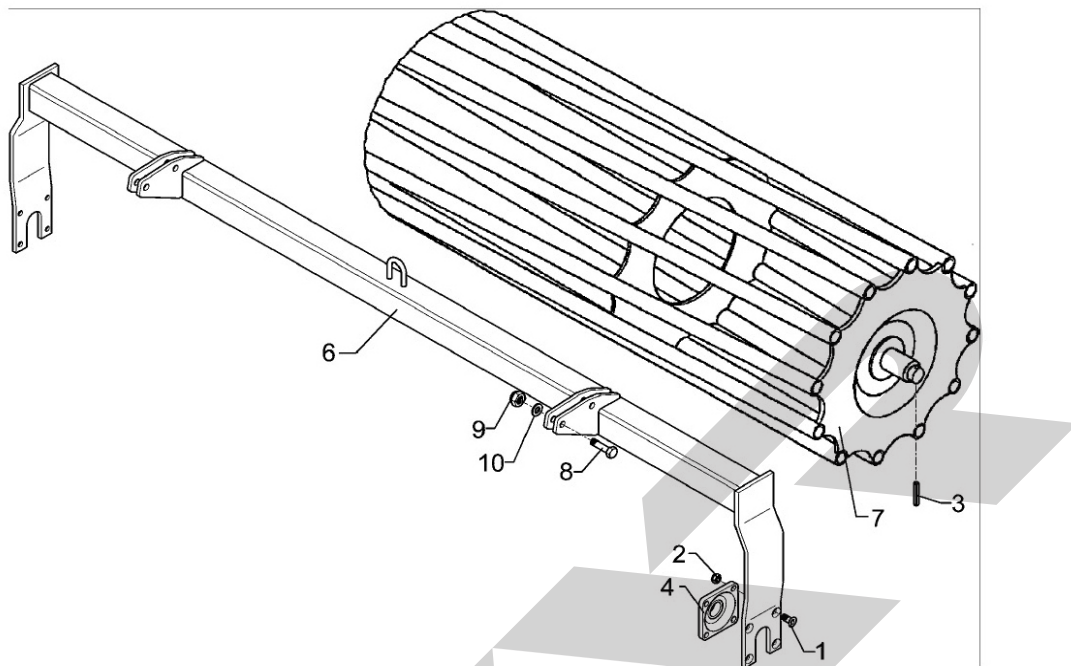


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3016130	Countersunk bolt	M12x40-10.9	8
2	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	8
3	ZD3096072	Expansion bush	8x40-DIN1481 Zn	2
4	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	2
6	ZD4226610	Frame	80x2910 D400-300	1
7	ZD4230943	Tube bar roller	D400x2954-V RE 3.00	1
8	ZD3013870	Bolt	M16x65-10.9	4
9	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	4
10	ZD3056155	Washer	D30/17x6 St-37	4

FLR09-300

Tube bar roller

622 6611

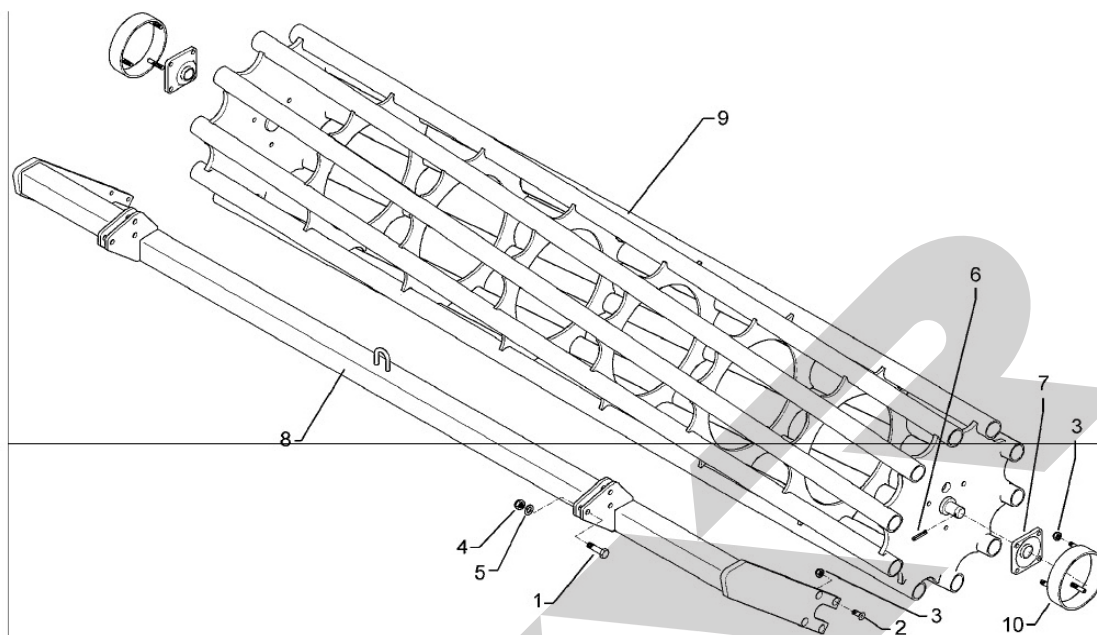


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3016130	Countersunk bolt	M12x40-10.9	8
2	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	8
3	ZD3096072	Expansion bush	8x40-DIN1481 Zn	2
4	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	2
6	ZD4226611	Frame	80x2910 D540-300	1
7	ZD4230938	Tube bar roller	D540x2954 RE 3.00	1
8	ZD3013870	Bolt	M16x65-10.9	4
9	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	4
10	ZD3056155	Washer	D30/17x6 St-37	4

FLR09-300

Tube bar roller

622 6620

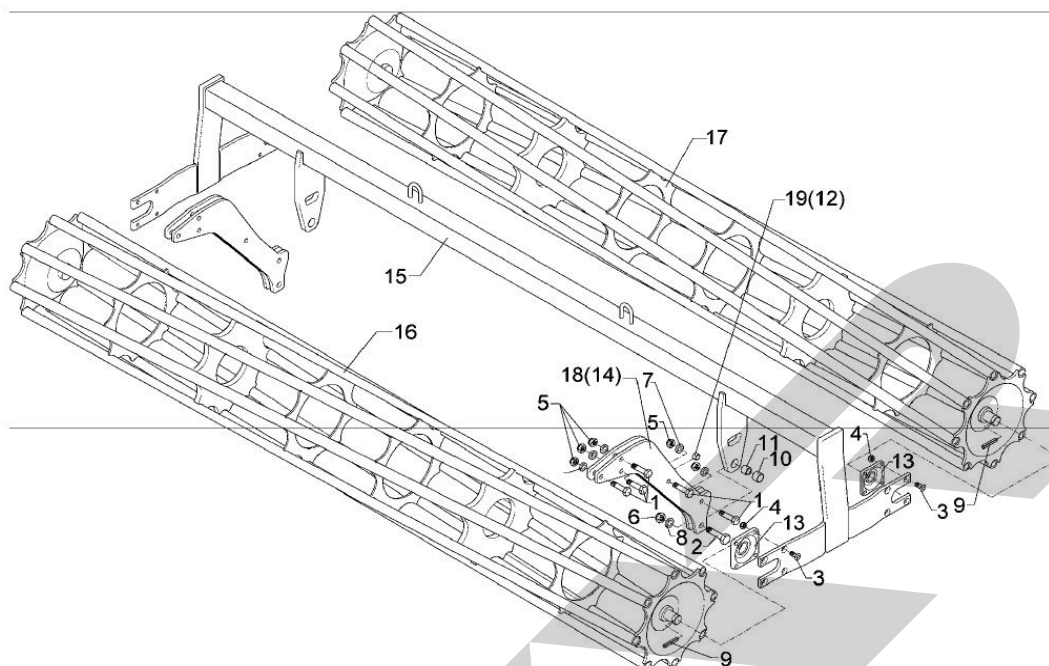


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013870	Bolt	M16x65-10.9	6
2	ZD3016132	Countersunk bolt	M12x50-10.9	8
3	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	8
4	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	6
5	ZD3056155	Washer	D30/17x6 St-37	6
6	ZD3096072	Expansion bush	8x40-DIN1481 Zn	2
7	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	2
8	ZD4226620	Frame	80 D600-3.00 SM9	1
9	ZD4230972	Tube bar roller	D600-3.00 SM9	1
10	ZD4235860	Guard	RSW600 D193,7x6,3x48 3xM12	2

FLR09-300

Double roller

622 6701

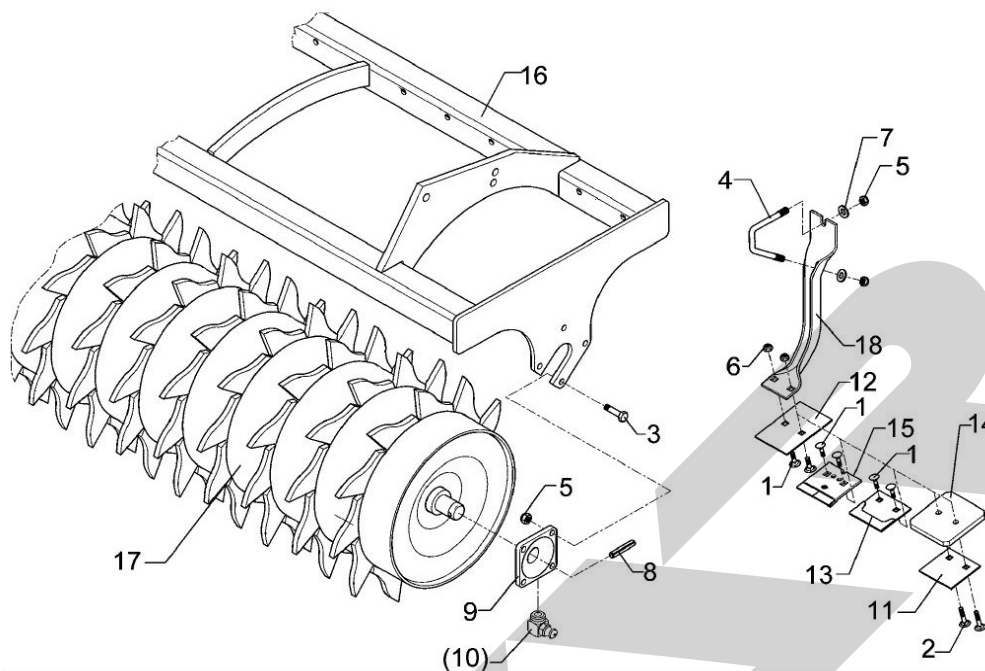


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3015360	Bolt	M16x70-12.9	10
2	ZD3014602	Bolt	M20x75-8.8	2
3	ZD3016130	Countersunk bolt	M12x40-10.9	16
4	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	16
5	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	10
6	ZD3030936	Selflocking nut	DIN985-NM20-8 Zn	2
7	ZD3056155	Washer	D30/17x6 St-37	10
8	ZD3056164	Washer	D35/20,5x5	2
9	ZD3096072	Expansion bush	8x40-DIN1481 Zn	4
10	ZD3173352	Expansion bush	EG28/32x20	2
11	ZD3176657	Bush	D20/28x22	2
12	ZD3176658	Bush	D16/22x22	2
13	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	4
14	ZD4178113	Plate	12x490x510	4
15	ZD4226682	Frame	80x2910 2xD400-300	1
16	ZD4230943	Tube bar roller	D400x2954-V RE 3.00	1
17	ZD4230963	Tube bar roller	D400x2954-V LI 3.00	1
18	ZD4178114	Plate	12x540x510	4
19	ZD3176681	Tube	D24x3x22+1	2

FLR09-300

Packer roller, short scraper

622 6744

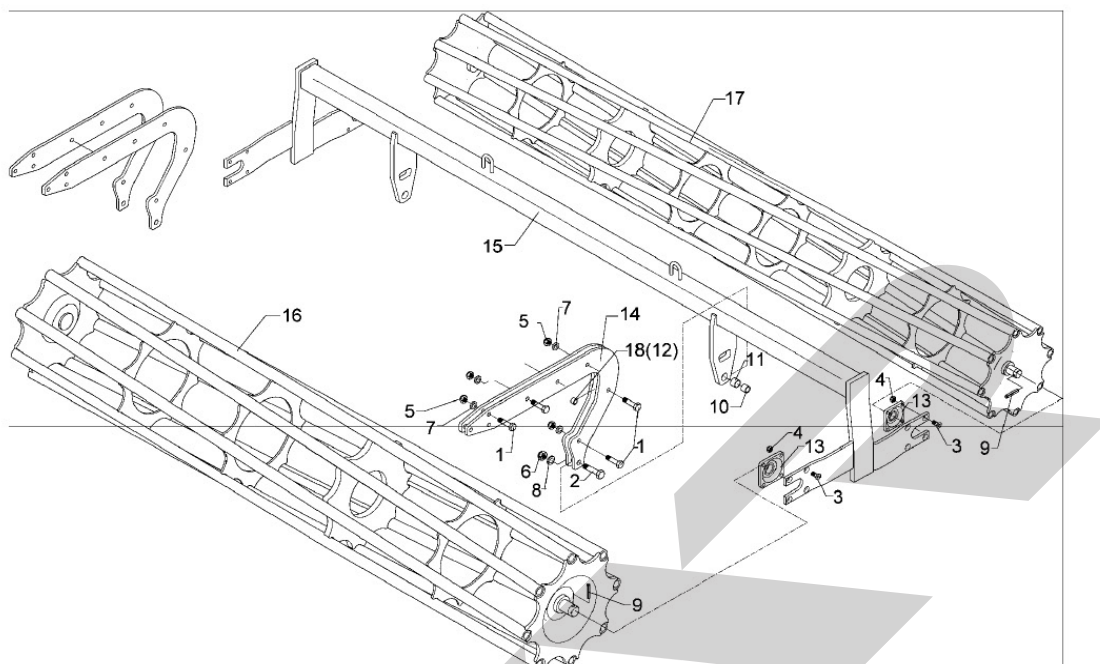


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3011700	Bolt, cup square head	M10x20-8.8	2
2	ZD3011706	Bolt, cup square head	M10x30-8.8 Zn	2
3	ZD3013348	Screw	M12x40-8.8	8
4	ZD3017788	U-bolt	M12/43/94/8.8 Zn	24
5	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	56
6	ZD3030970	Nut	M10 DIN934-8	2
7	ZD3056136	Washer	13/25x3 DIN1441-St	48
8	ZD3096072	Expansion bush	8x40-DIN1481 Zn	2
9	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	2
11	ZD3492000	Scraper plate	90x3x85	1
12	ZD3492001	Scraper	90x3x130	1
13	ZD3492002	Scraper, hardfaced	90x3x85	1
14	ZD3492003	Synthetic scraper	110x120x12	1
15	ZD3492004	Scraper	90x5x94	1
16	ZD4226345	Frame	ZPW D500-300 A	1
17	ZD4232136	Packer roller	ZPW D500-3,0m	1
18	ZD4235901	Carrier for scraper	50x6x337-D420	1

FLR09-300

Double roller

622 6851

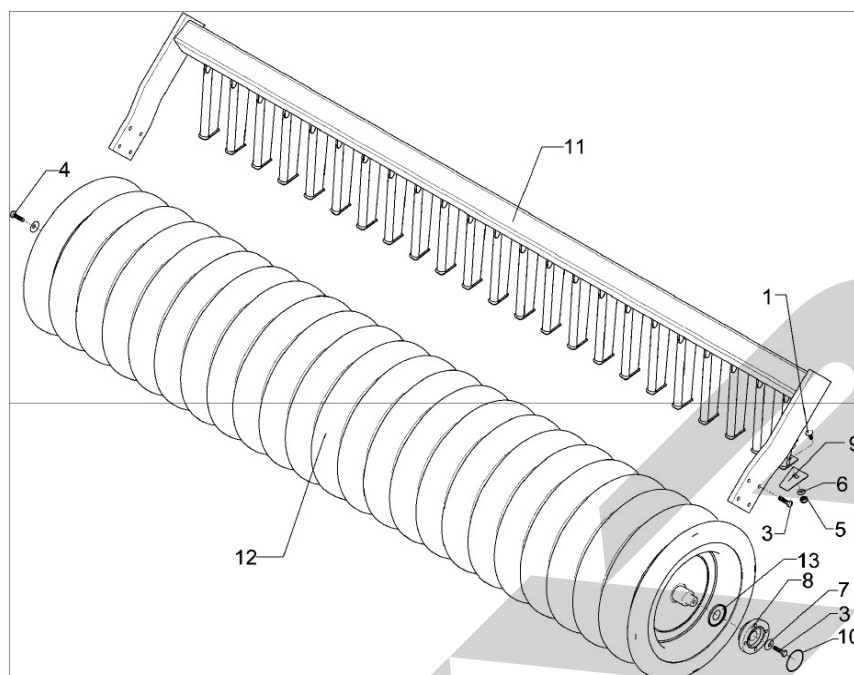


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3015360	Bolt	M16x70-12.9	12
2	ZD3014602	Bolt	M20x75-8.8	2
3	ZD3016130	Countersunk bolt	M12x40-10.9	16
4	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	16
5	ZD3030935	Selflocking nut	DIN985-NM16-8 Zn	12
6	ZD3030936	Selflocking nut	DIN985-NM20-8 Zn	2
7	ZD3056155	Washer	D30/17x6 St-37	10
8	ZD3056164	Washer	D35/20,5x5	2
9	ZD3096072	Expansion bush	8x40-DIN1481 Zn	4
10	ZD3173352	Expansion bush	EG28/32x20	2
11	ZD3176657	Bush	D20/28x22	2
12	ZD3176658	Bush	D16/22x22	8
13	ZD3199365	Bearing cpl.	RCJ 35 35x118x39,9	4
14	ZD4178112	Plate	12x510x806 D540/400	4
15	ZD4226851	Frame	80x2910 D540/400-3.00	1
16	ZD4230938	Tube bar roller	D540x2954 RE 3.00	1
17	ZD4230963	Tube bar roller	D400x2954-V LI 3.00	1
18	ZD3176681	Tube	D24x3x22+1	8

FLR09-300

Rubber ring roller

622 6873

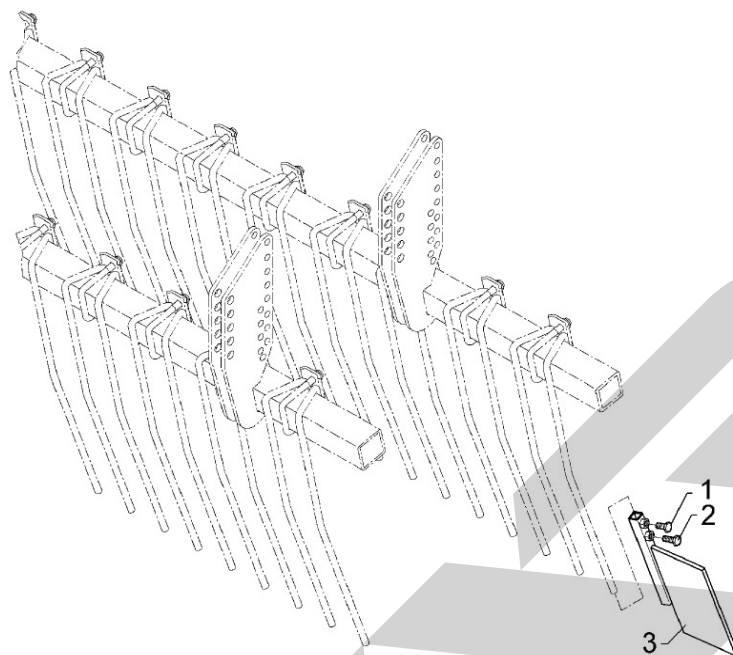


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3011701	Bolt, cup square head	M10x20-4.6 Zn	23
3	ZD3013348	Screw	M12x40-8.8	9
4	ZD3013325	Screw	M12LHx30-8.8 Zn	1
5	ZD3030933	Selflocking nut	DIN985-NM10-8 Zn	23
6	ZD3056132	Washer	D11/25x2,5 Zn	23
7	ZD3296124	Cup spring	40x14,2x2 DIN2093	2
8	ZD3199372	Bearing cpl.	RCJ 35 35x118x39,9 4xM12	2
9	ZD3492009	Scraper	72x3x90 P	23
10	ZD3751278	O-ring	80x2	2
11	ZD4226873	Frame	90 GRW D590-300-125	1
12	ZD5236872	Rubber ring roller	GRW D590-300-24R-125	1
13	ZD3230411	Cap	D80/d35 t=2x5,5	2

FLR09-300

Leveller

622 6399

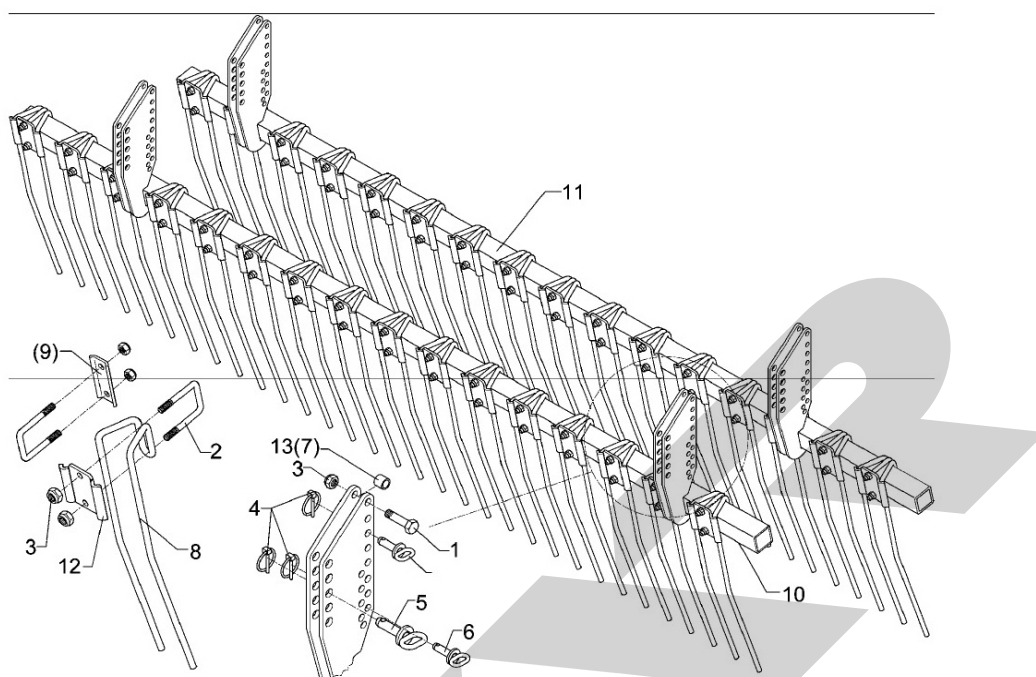


ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013199	Screw	M10x20-8.8 Zn	1
2	ZD3013212	Screw	M10x25-8.8 Zn	1
3	ZD3375491	Leveller	100x8x200 2xM10	1

FLR09-300

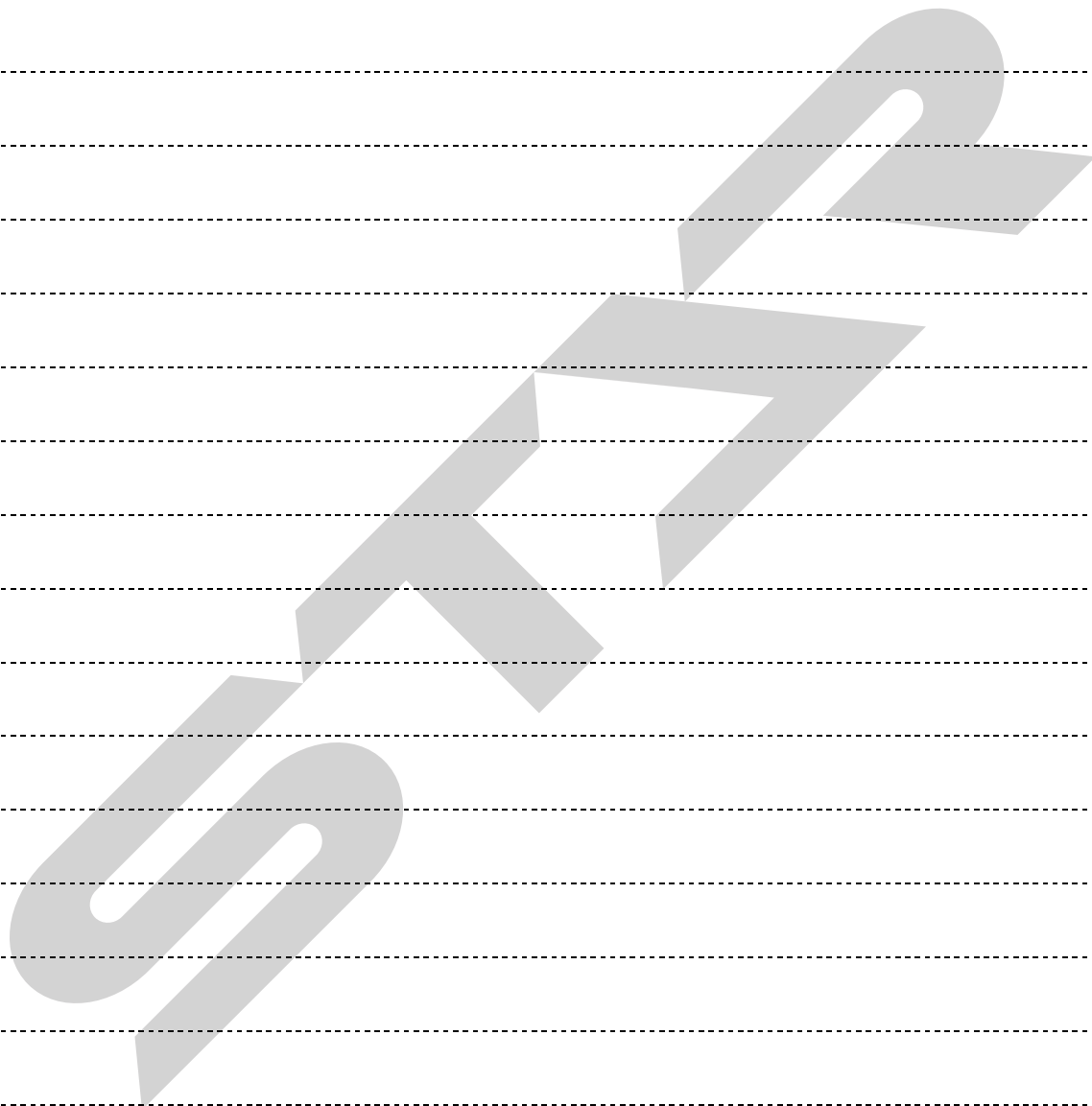
Levelling harrow

622 6402



ref.	Parts No.	Description	Dimension	Q'ty
1	ZD3013383	Bolt	M12x55-8.8	4
2	ZD3017787	U-bolt	M12/60/84x254 8.8	32
3	ZD3030934	Selflocking nut	DIN985-NM12-8 Zn	68
4	ZD3119565	Securing pin	4,5mm	12
5	ZD3131530	Pin with grip	GB D15x41,8/60	4
6	ZD3137807	Pin with grip	GB D12x57,5/71	8
7	ZD3176658	Bush	D16/22x22	4
8	ZD3538802	Harrow tine	84x539 D14	32
9	ZD4594562	Clamping plate	50x5x110 1x73-D13	32
10	ZD4226402	Frame	60x60x5x2730 VO RU-9/300	1
11	ZD4226403	Frame	60x60x5x2730 HI RU-9/300	1
12	ZD4594566	Clamping plate	119x8x100 1x73-D13,4	32
13	ZD3176681	Tube	D24x3x22+1	4

MEMO



SPAR

本 社	066-8555	千歳市上長都1061番地2 TEL 0123-26-1123 FAX 0123-26-2412
千 歳 営 業 所	066-8555	千歳市上長都1061番地2 TEL 0123-22-5131 FAX 0123-26-2035
旭 川 営 業 所	070-8004	旭川市神楽4条9丁目3番35号 TEL 0166-61-6131 FAX 0166-62-8985
豊 富 営 業 所	098-4100	天塩郡豊富町字上サロベツ1191番地44 TEL 0162-82-1932 FAX 0162-82-1696
帯 広 営 業 所	080-2462	帯広市西22条北1丁目12番地4 TEL 0155-37-3080 FAX 0155-37-5187
中 標 津 営 業 所	086-1152	標津郡中標津町北町2丁目16番2 TEL 0153-72-2624 FAX 0153-73-2540
花 巻 営 業 所	028-3172	岩手県花巻市石鳥谷町北寺林第11地割120番3 TEL 0198-46-1311 FAX 0198-45-5999
盛 岡 事 務 所	020-0173	岩手県岩手郡滝沢村滝沢字根堀坂552-3 TEL 019-694-1661 FAX 019-694-1662
仙 台 営 業 所	983-0013	宮城県仙台市宮城野区中野字神明179-1 TEL 022-388-8673 FAX 022-388-8735
小 山 営 業 所	323-0158	栃木県小山市梁2512-1 TEL 0285-49-1500 FAX 0285-49-1560
名 古 屋 営 業 所	480-0102	愛知県丹羽郡扶桑町大字高雄字南屋敷191 TEL 0587-93-6888 FAX 0587-93-5416
岡 山 営 業 所	700-0973	岡山県岡山市下中野704-103 TEL 086-243-1147 FAX 086-243-1269
熊 本 営 業 所	861-0939	熊本県熊本市長嶺南1丁目2番1号 TEL 096-381-7222 FAX 096-384-3525
都 城 営 業 所	885-1202	宮崎県都城市高城町穂満坊1003-2 TEL 0986-53-2222 FAX 0986-53-2233