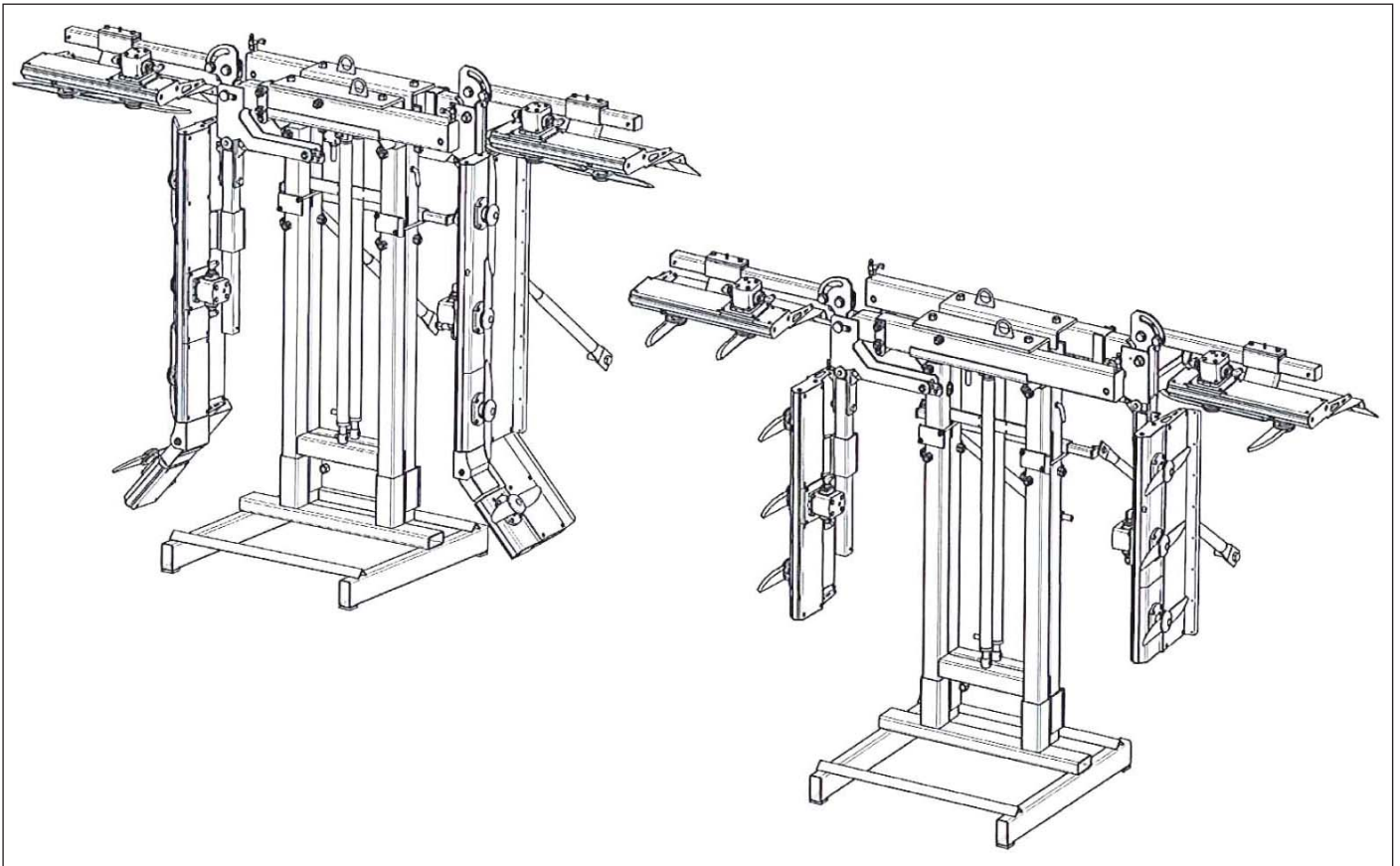




COLLARD®

VINE TRIMMERS



PARTS MANUAL FOR P2200T CODE #0113 3750 & P2200TS CODE #0113 3650

Marketed by:



13477 Benson Ave. • Chino, CA • Ph: 909/548-4848 • Fax: 909/548-4747

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1	Introduction	1
1.1	Operator's Responsibility	1
2	Spare Parts - Frames	2 - 15
2.1	Reinforced Frame(PL 4049)	2
2.2	Complete Vertical Double Frame(PL 4050)	3
2.3	Horizontal Large Frame RH(PL 4051)	4
2.4	Horizontal Large Frame LH(PL 4052)	5
2.5	Hydraulic Block w/Protection(PL 4053)	6
2.6	Lower Fixing(PL 2262)	7
2.7	Top Fixing(PL 3190)	8
2.8	Braces(PL 2261)	9
2.9	Lateral Support(PL 3601)	10
2.10	Top Arms(PL 2253)	11
2.11	Retractable Arm(PL 3179)	12
2.12	Complete Angle Brake Assy(PL 0671)	13
2.13	Support For Cross Slope LH(PL 3755)	14
2.14	Support For Cross Slope RH(PL 3753)	15
2.15	Double Effect Cylinder(PL 3754)	16
3	Spare Parts - Cutting Elements	17 - 36
3.1	Double Frame Elements(PL 4870a)	17
3.2	51" Cutting Element RH.....(PL 3686)	18-19
3.3	51" Cutting Element LH.....(PL 3688)	20-21
3.4	Hydraulic Motor 12cc.....(PL 3564)	22
3.5	Skirting Element RH.....(PL 4712)	23
3.6	Skirting Element LH.....(PL 4713)	24
3.7	Articulation Skirting Element.....(PL 4714)	25
3.8	Complete Closing(PL 3542)	26
3.9	30.7" Cutting Element RH.....(PL 3552)	27
3.10	30.7" Cutting Element LH.....(PL 3602)	28
3.11	Blade Assy Long RH.....(PL 3540)	29
3.12	Blade Assy Long LH.....(PL 3543)	30
3.13	Motor Blade Assy Short RH.....(PL 3541)	31
3.14	Motor Blade Assy Short LH.....(PL 3555)	32
3.15	Motor Blade Hsg. Assy Short RH.....(PL 3557)	33
3.16	Motor Blade Hsg. Assy Short LH.....(PL 3559)	34
3.17	Blade Hsg. Assy Long RH.....(PL 3556)	35
3.18	Blade Hsg. Assy Long LH.....(PL 3558)	36
4	Hydraulics.....	37 - 43
4.1	Electric Control Handle(PL 4859)	37
4.2	Electric Control Handle(PL 4456)	38
4.3	Electric Control With Mono Lever(PL 5204)	39
4.4	Hydraulic Kit.....(PL 4859)	40
4.5	Non Return Security Valve JIC(PL 2986)	41
4.6	Cylinder DE 35 - 25.....(PL 1604)	42
4.7	Electric System Wiring.....(PL 5049)	43

1 INTRODUCTION

Congratulations on your selection of a Collard Vine Trimmer.

HISTORY

The COLLARD family has been servicing grape growers for 5 generations. Andre Collard invented the first mechanical vine trimmer in 1962. Since that development COLLARD has made numerous improvements and continues to be the world leader in trimmers.

QUALITY CONTROL

Every stage in the production process is controlled to guarantee superior quality. After final assembly, each machine is run through a detailed test where everything is checked - rotation speed, operating pressure, hydraulic cylinders, flow rates, etc. All this is done to insure that every machine leaving the factory is in perfect working order.



1.1 OPERATOR'S RESPONSIBILITY

Safe, efficient and trouble free operation of your Vine Trimmer requires that you and anyone else who will be operating or maintaining the machine, read and understand the Safety, Installation, Operation, Maintenance, and Troubleshooting information contained within the Operator's Manual.

Keep this manual handy for frequent reference and to pass on to new operators or owners. Call your tractor dealer if you need assistance, information or additional copies of the manuals.

OPERATOR ORIENTATION - The directions left, right, front and rear, as mentioned throughout this manual, are as seen from the driver's seat and facing in the direction of travel.

NAME: _____

PURCHASED FROM: _____

DATE OF PURCHASE: _____

CODE NUMBER: _____

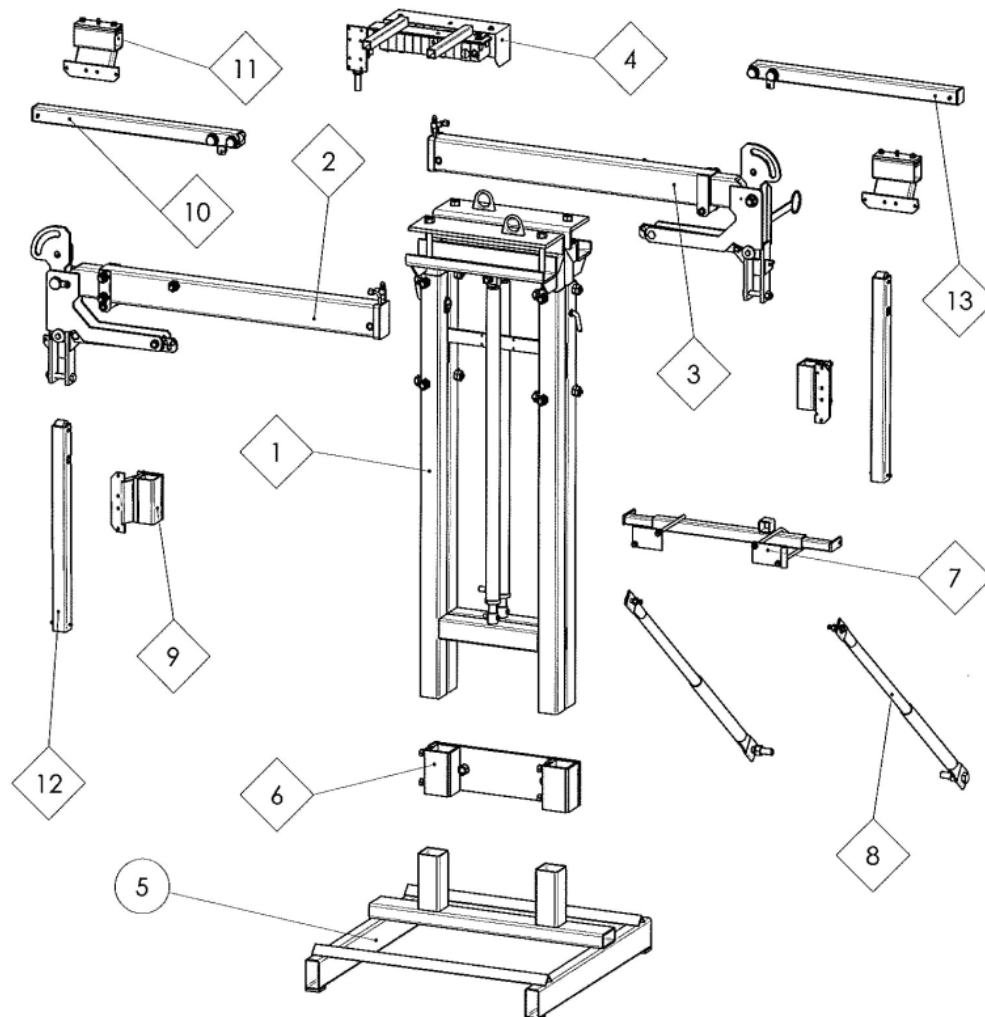
SERIAL NUMBER: _____

2 SPARE PARTS - FRAMES

2.1 REINFORCED FRAME - CODE 0113 2001

PL 4049

2 1/2 Rows reinforced frame, independent height adjustment.
Width adjustment stroke - 600mm

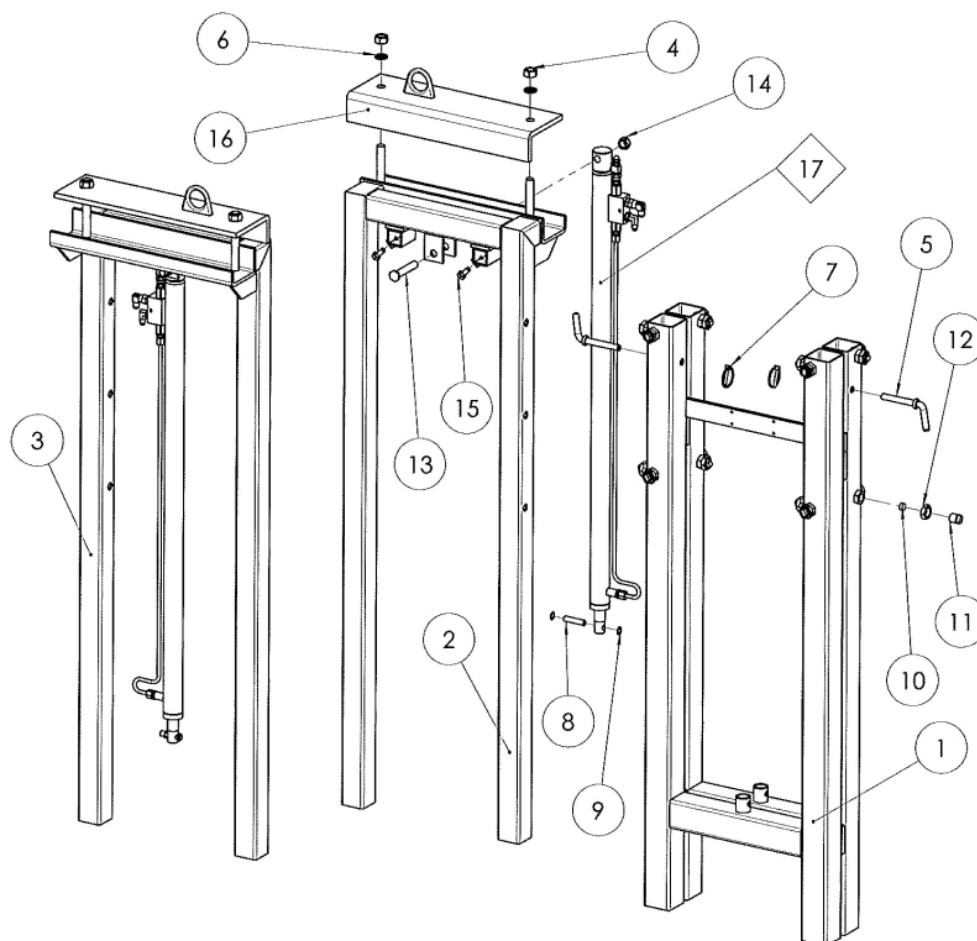


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01131952	Complete Vertical Double Frame	PL 4050 - Pg 3
2	1	01132002	Horizontal Large Frame RH	PL 4051 - Pg 4
3	1	01132006	Horizontal Large Frame LH	PL 4052 - Pg 5
4	1	01131958	Hydraulic Block with Protection	PL 4053 - Pg 6
5	1	00006280	Storage Support	
6	1	00001476	Large Lower Fixing	PL 2262 - Pg 7
7	1	04017109	Top Fixing	PL 3190 - Pg 8
8	1	00040900	Braces	PL 2261 - Pg 9
9	2	01050207	Complete Adjustable Vertical Support	PL 3601 - Pg 10
10	1	00523321	Complete Higher Arm RH	PL 2253 - Pg 11
11	2	01050179	Complete Higher Support	PL 3601 - Pg 10
12	2	04017114	Retractable Arm	PL 3179 - Pg 12
13	1	00523325	Complete Higher Arm LH	PL 2253 - Pg 11

2 SPARE PARTS - FRAMES

2.2 COMPLETE VERTICAL DOUBLE FRAME - CODE 0113 1952

PL 4050



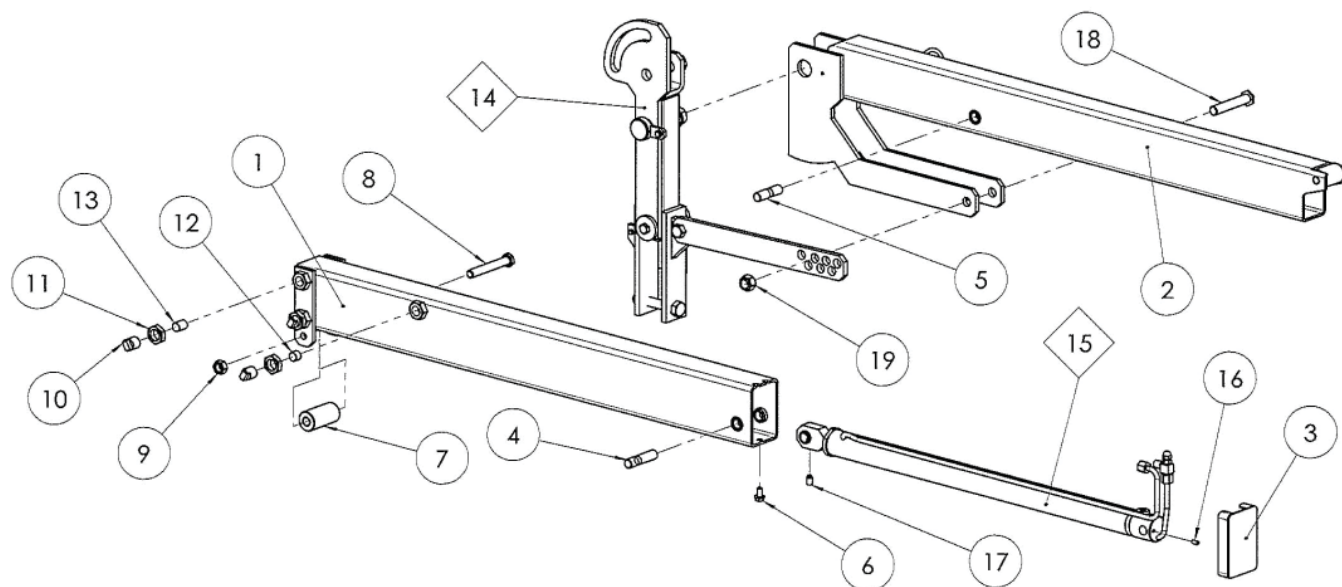
<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01131953	Fremale Double Frame	
2	1	01131954	Male Frame	
3	1	01131956	Male Frame	
4	4	05011205	Nut H M18 Zn	
5	2	05016220	Spindle Ø14 x 90	
6	4	05015324	Washer W 18 Zn	
7	2	05014050	Bolt Pin Ø6 Zn	
8	2	00528325	Axle For Cylinder	
9	4	05014318	Washer Self Locking Ø12	
10	16	05014309	Plastic Plug Ø16	
11	16	05010814	Screw M20	
12	16	05011208	Nut Hu M20 Zn	
13	2	00201341	Screw	
14	2	05014307	Lock Nut M16	
15	2	05010024	Screw TH M10 x 25	
16	2	01131957	Frame Back Stay	
17	2	00002176	Hyd. Kit - Cyl. 0501 9951 - Stroke=1000	PL 4859 Pg 40

2 SPARE PARTS - FRAMES

2.3 HORIZONTAL LG. FRAME RH - CODE 0113 2002

PL 4051

With Cylinder Stroke - 600 mm



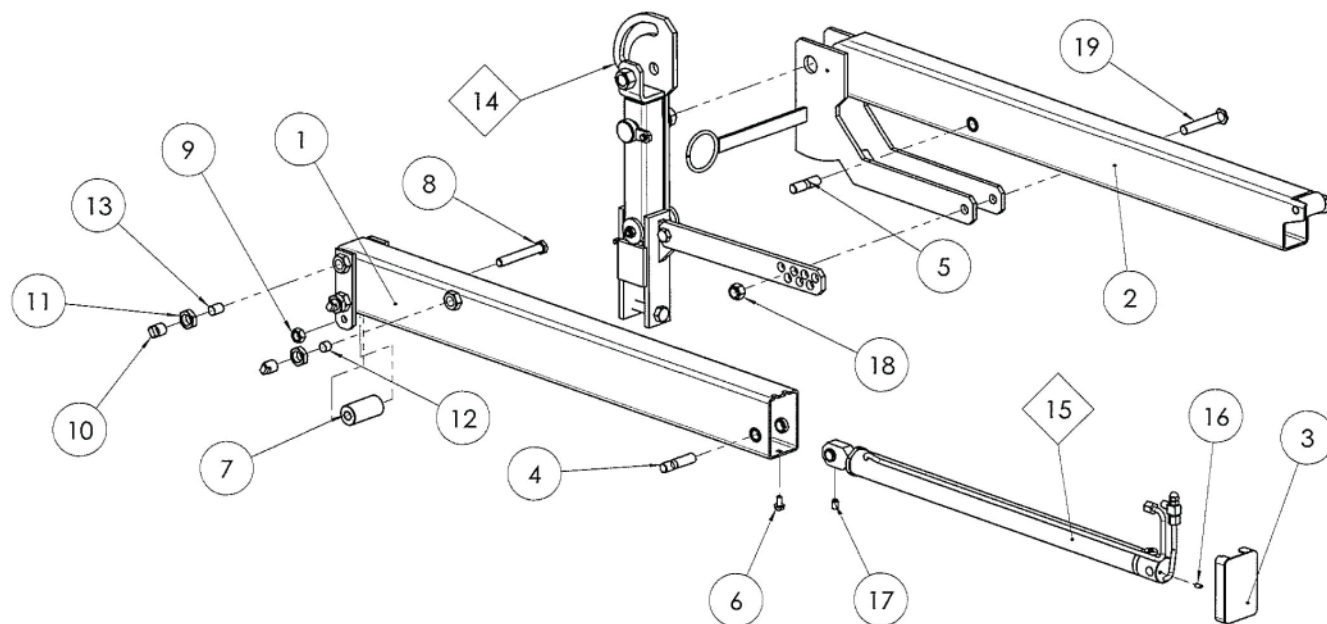
<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01132003	Female Tube	
2	1	01132004	Male Tube	
3	1	01131366	Cover Plate	
4	1	01131358	Axle Lg. 700 mm	
5	1	01131359	Axle Lg. 60 mm	
6	1	05011877	Screw Tensilok M8 x 16	
7	1	00480440	Roller Steel With Ring	
8	1	00480422	Axle	
9	1	05011202	Nut H M 14	
10	3	05010814	Screw M20	
11	3	05011208	Nut Hu M 20 Zn	
12	1	05014316	Plastic Plug Ø16 - 13 mm	
13	2	05014317	Plastic Plug Ø16 ep 22	
14	1	01130166	Support For Cross Slope RH	PL 3753 - Pg 15
15	1	05019993	Cylinder DE 35-18 Stroke = 600mm	PL 3754 - Pg 16
16	1	05010800	Screw Hc M6 x 12	
17	1	05010802	Screw Hc M10 x 15	
18	1	00201341	Screw	
19	1	05014307	Lock Nut M16	

2 SPARE PARTS - FRAMES

2.4 HORIZONTAL LG. FRAME LH - CODE 0113 2006

PL 4052

With Cylinder Stroke - 600 mm

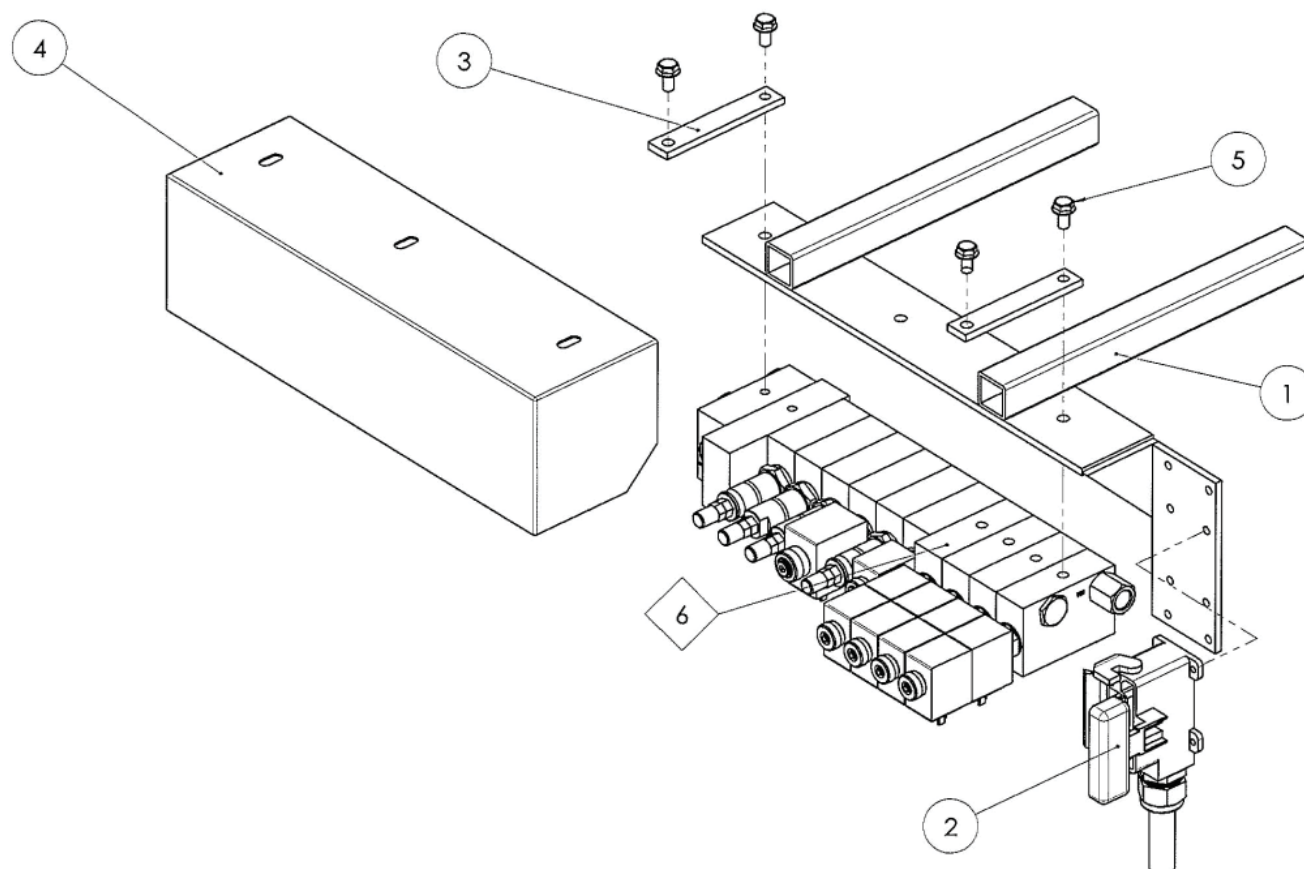


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01132003	Female Tube	
2	1	01132007	Male Tube	
3	1	01131366	Cover Plate	
4	1	01131358	Axle Lg. 700 mm	
5	1	01131359	Axle Lg. 60 mm	
6	1	05011877	Screw Tensilok M8 x 16	
7	1	00480440	Roller Steel With Ring	
8	1	00480422	Axle	
9	1	05011202	Nut H M 14	
10	3	05010814	Screw M20	
11	3	05011208	Nut Hu M 20 Zn	
12	1	05014316	Plastic Plug Ø16 - 13 mm	
13	2	05014317	Plastic Plug Ø16 ep 22	
14	1	01130170	Support For Cross Slope LH	PL 3755 - Pg 14
15	1	05019993	Cylinder DE 35-18 Stroke = 500mm	PL 3754 - Pg 16
16	1	05010800	Screw Hc M6 x 12	
17	1	05010802	Screw Hc M10 x 15	
18	1	05014307	Lock Nut M16	
19	1	00201341	Screw	

2 SPARE PARTS - FRAMES

2.5 HYDRAULIC BLOCK W/PROTECTION - CODE 0113 1958

PL 4053

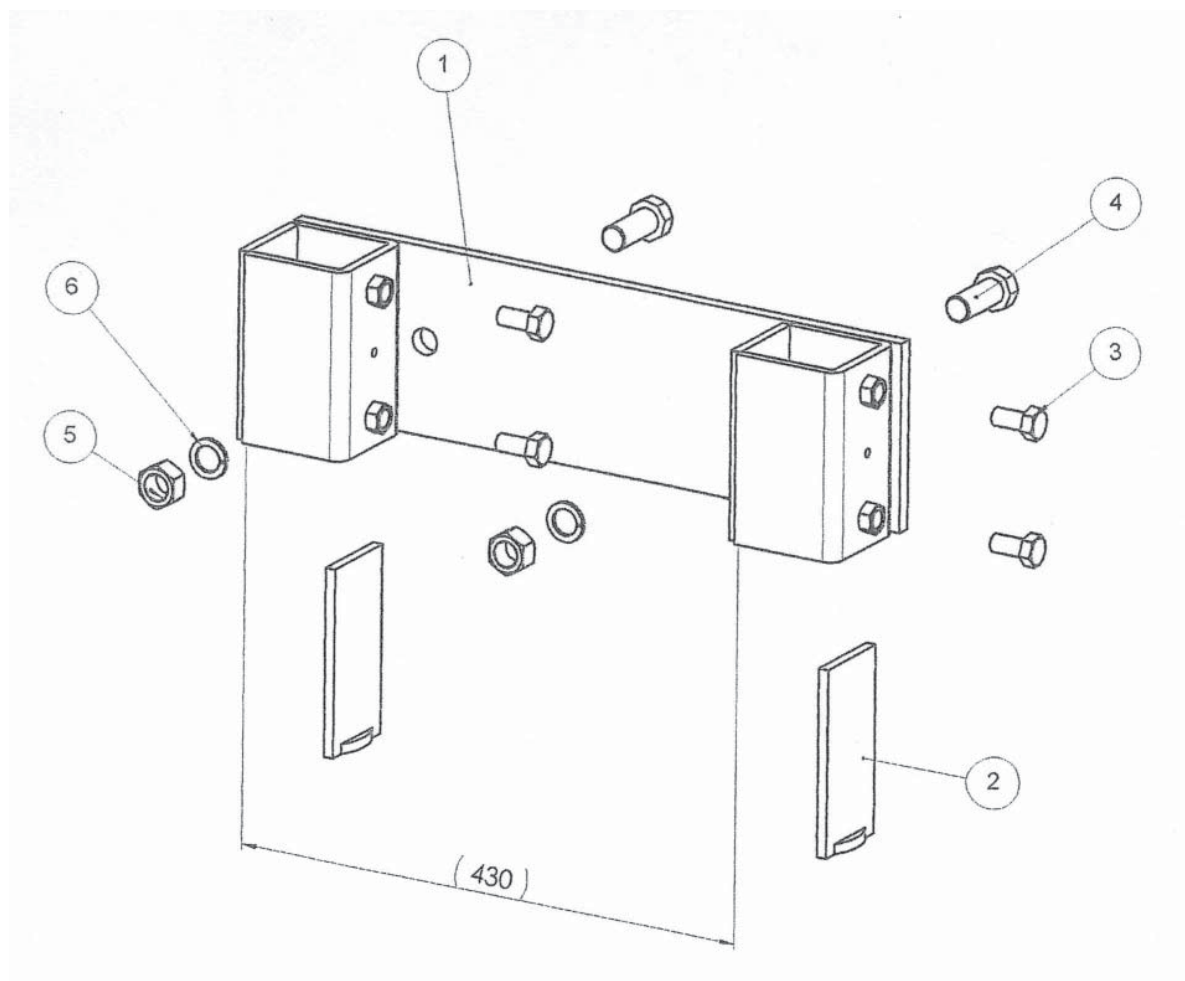


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	04017105	Distributor Support
2	1	05048580	Male Plug
3	2	00770113	Protection Support
4	1	04017107	Protection
5	4	05011877	Screw Tensilok M8 x 16
6	1	0502 2937	Hydraulic Block With Electric Control - 4 DE
6	1	0502 2939	Hydraulic Block With Electric Control - 6 DE

2 SPARE PARTS - FRAMES

2.6 LOWER FIXING - CODE 0000 1476

PL 2262

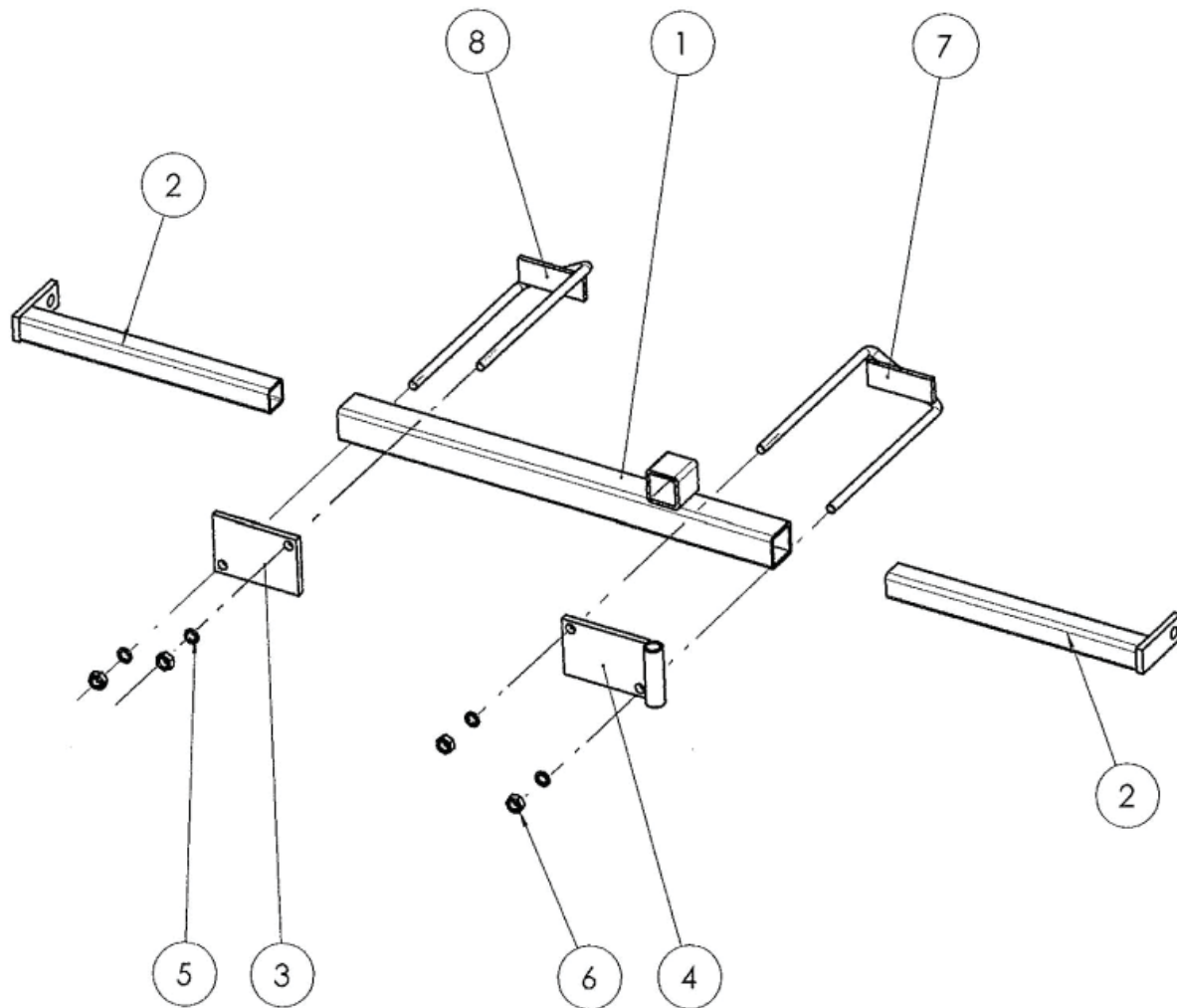


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	00200470	Large Fixation Front Mounting
2	2	05029511	Back Stay
3	4	05010038	Screw H M14 x 30
4	2	05010043	Screw M20 x 50 Zn
5	2	05011200	Nut H M 20 Zn
6	2	05015315	Washer W 20

2 SPARE PARTS - FRAMES

2.7 TOP FIXING - CODE 0401 7109

PL 3190

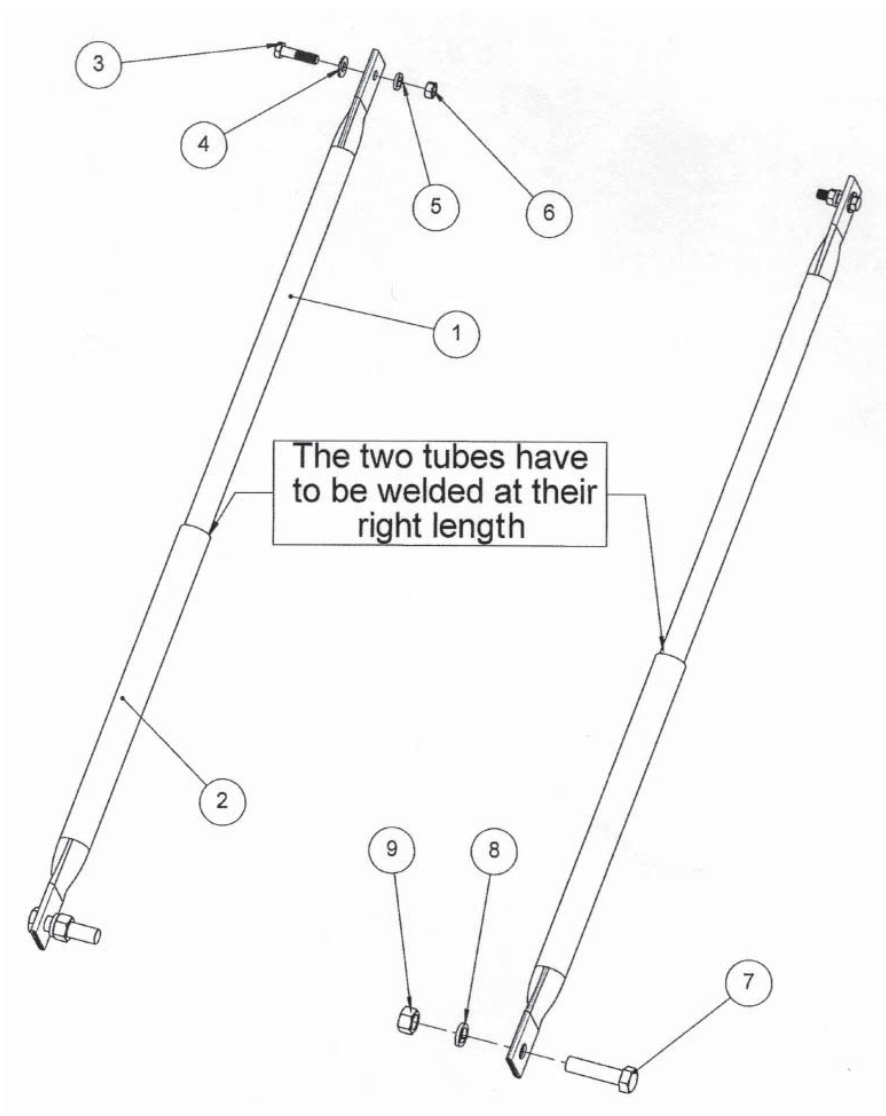


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	00040951	Central Latch
2	2	00040852	Sliding Fastener
3	1	00040854	Flat
4	1	00040855	Left Flat
5	4	05015313	Washer W 10 Zn
6	4	05011207	Nut H M10 Zn
7	1	04017110	Round
8	1	04017110-BIS	Round

2 SPARE PARTS - FRAMES

2.8 BRACES - CODE 0004 0900

PL 2261

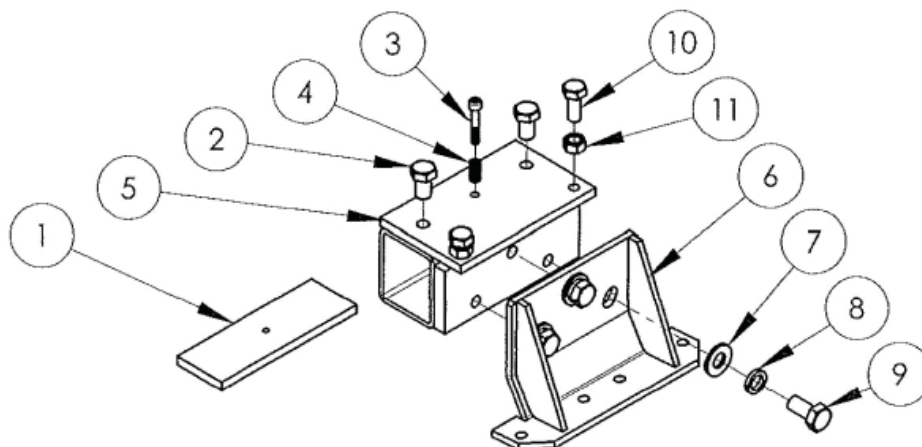


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2	00040516	Tube
2	2	00040515	Tube
3	2	05010042	Screw H M12 x 50
4	2	05015009	Washer M12 Zn
5	2	05015316	Washer W 12
6	2	05011203	Nut Hu 12 Zn
7	2	05010014	Screw TH M20 x 60
8	2	05015315	Washer W 20
9	2	05011200	Nut M20 Hu

2 SPARE PARTS - FRAMES

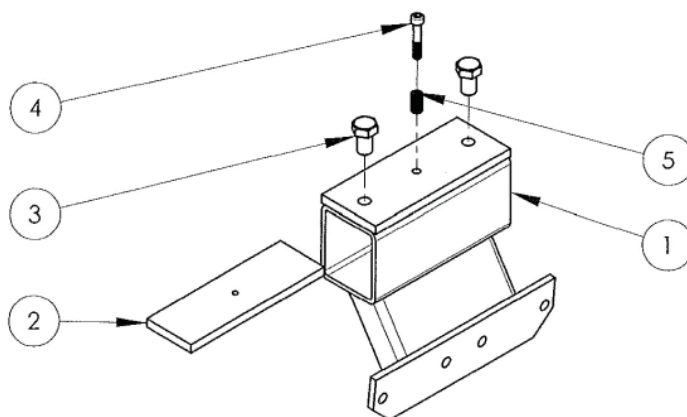
2.9 LATERAL SUPPORT - CODE 0105 0207

PL 3601



<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	05029543	Attachment Wedge
2	2	05010007	Screw TH M12 x 20 Zn
3	1	05010942	Schrew CHC M6 x 35
4	1	05011954	Compressing Spring
5	1	01050206	Flange
6	1	01050208	Adjustable Support - Vertical Element
7	3	05015009	Washer M12
8	3	05015316	Washer W12
9	3	05010006	Screw TH M12 x 25
10	2	05010024	Screw TH M10 x 25
11	2	05011207	Nut M10 Hu

TOP SUPPORT - CODE 0105 0179

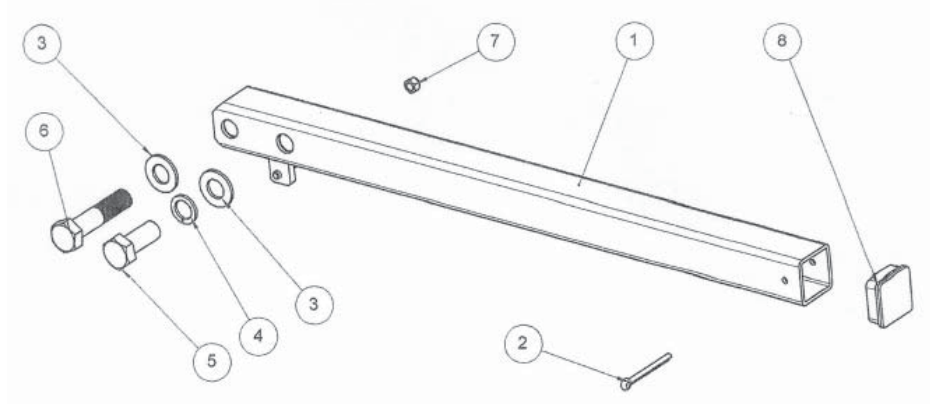


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	01050119	Top Support
2	1	05029543	Attachment Wedge
3	2	05010007	Screw TH M12 x 20 Zn
4	1	05010942	Screw CHC M6 x 35
5	1	05011954	Compressing Spring

2 SPARE PARTS - FRAMES

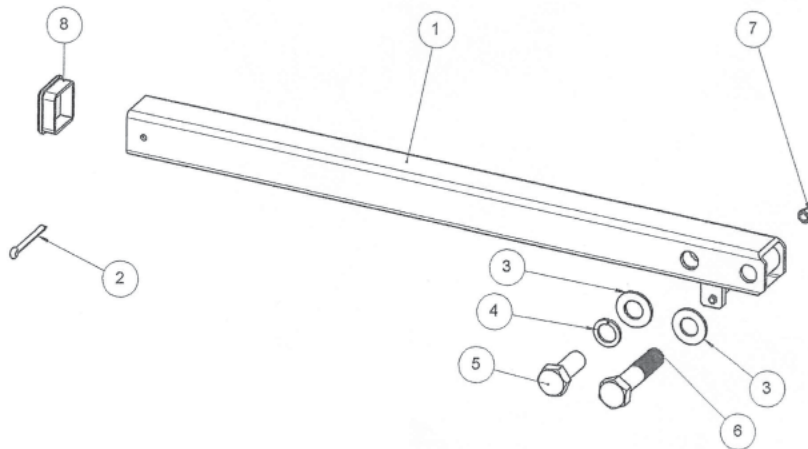
2.10 LEFT TOP ARM - CODE 0052 3325

PL 2253



<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	00523324	Top Arm
2	1	05014112	Pin V 6 x 70
3	2	05015022	Washer M 20 Zn
4	1	05015315	Washer W 20
5	1	05010043	Screw TH M20 x 50 Zn
6	1	05010013	Screw TH M20 x 90 Zn
7	1	05014306	Self Braked Nut M8
8	1	05017869	Tap For Square Tube 50 x 50 x 5

RIGHT TOP ARM - CODE 0052 3321

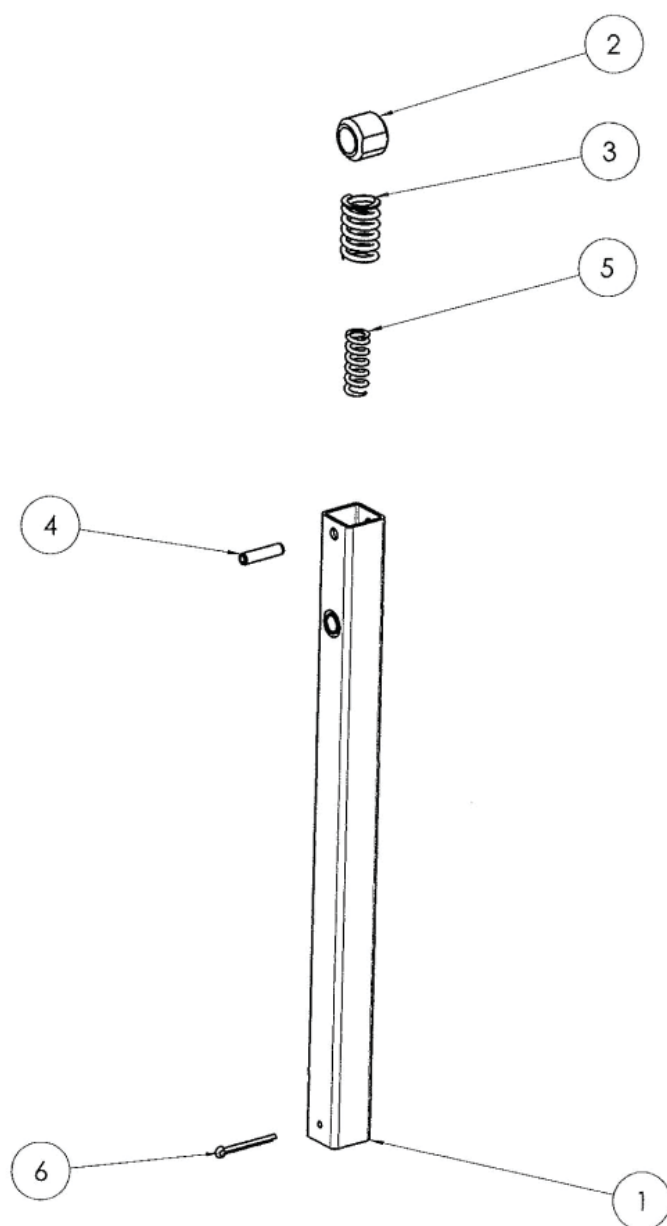


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	00523303	Top Arm
2	1	05014112	Pin V 6 x 70
3	2	05015022	Washer M 20 Zn
4	1	05015315	Washer W 20
5	1	05010043	Screw TH M20 x 50 Zn
6	1	05010013	Screw TH M20 x 90 Zn
7	1	05014306	Self Braked Nut M8
8	1	05017869	Tap For Square Tube 50 x 50 x 5

2 SPARE PARTS - FRAMES

2.11 RETRACTABLE ARM - CODE 0401 7114

PL 3179

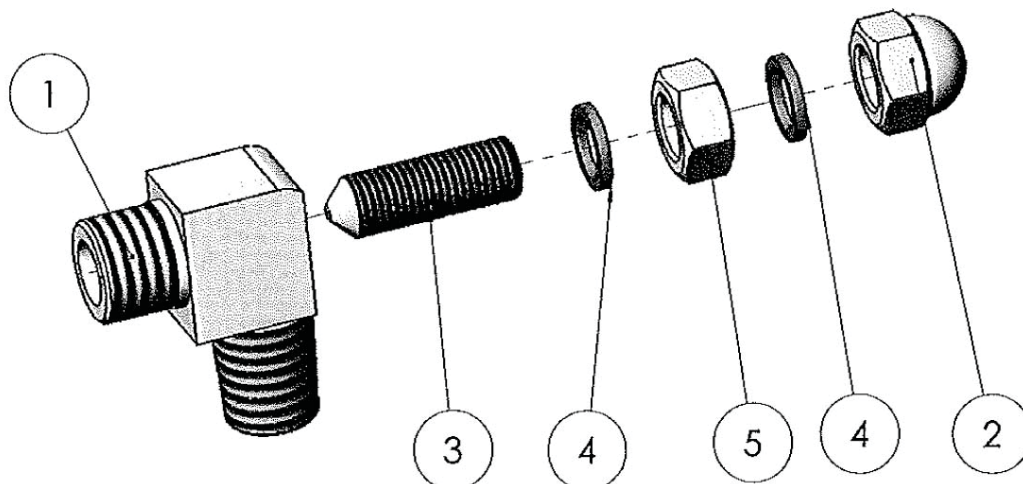


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	04017115	Vertical Retractable Arm
2	1	00480020	Tube Ø45 x 28
3	1	05011966	Compression Spring
4	1	05014081	Elastic Bolt Spin Ø12 x 50 mm
5	1	05011973	Compression Spring
6	1	05014112	Pin V 6 x 70

2 SPARE PARTS - FRAMES

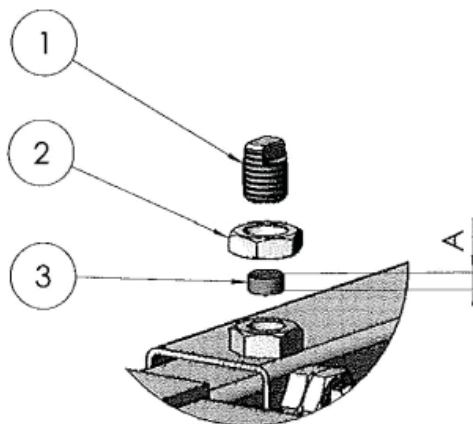
2.12 COMPLETE ANGLE BRAKE ASSY - CODE 0500 9030

PL 0671



<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	05009051	Angle
2	1	05011204	Nut M8
3	1	05010826	Screw STHC M8 x 25
4	2	05002009	Joint Ø8.2 x 11.2 x 1
5	1	05011206	Nut M8 Hu

Adjustment of oil flow on cylinder by angle brake



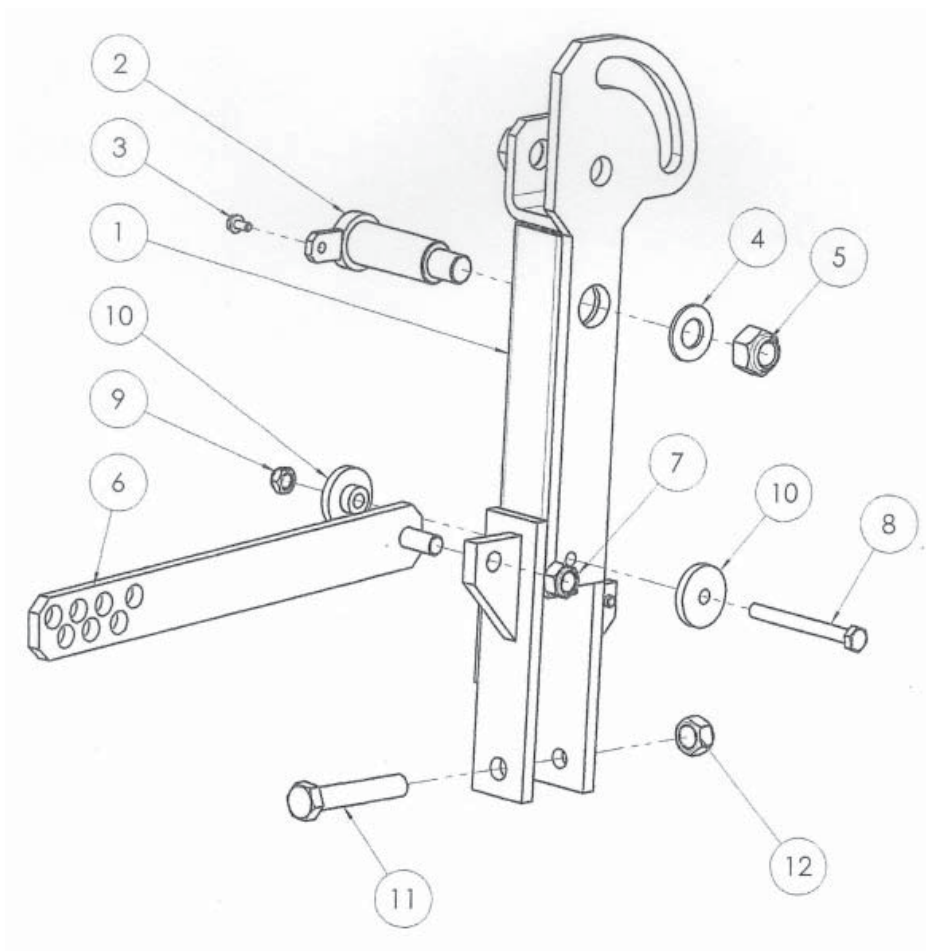
<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>DIMENSION A</u>
1	1	05010814	Screw M20	
2	1	05011208	Nut Hu M20 Zn	
3	1	05014315	Plastic Plug Ø16	4 mm
	1	05014309	Plastic Plug Ø17	8 mm
	1	05014314	Plastic Plug Ø18	16 mm

Adjustment of play on sliding tube

2 SPARE PARTS - FRAMES

2.13 SUPPORT FOR CROSS SLOPE LH - CODE 0113 0170

PL 3755

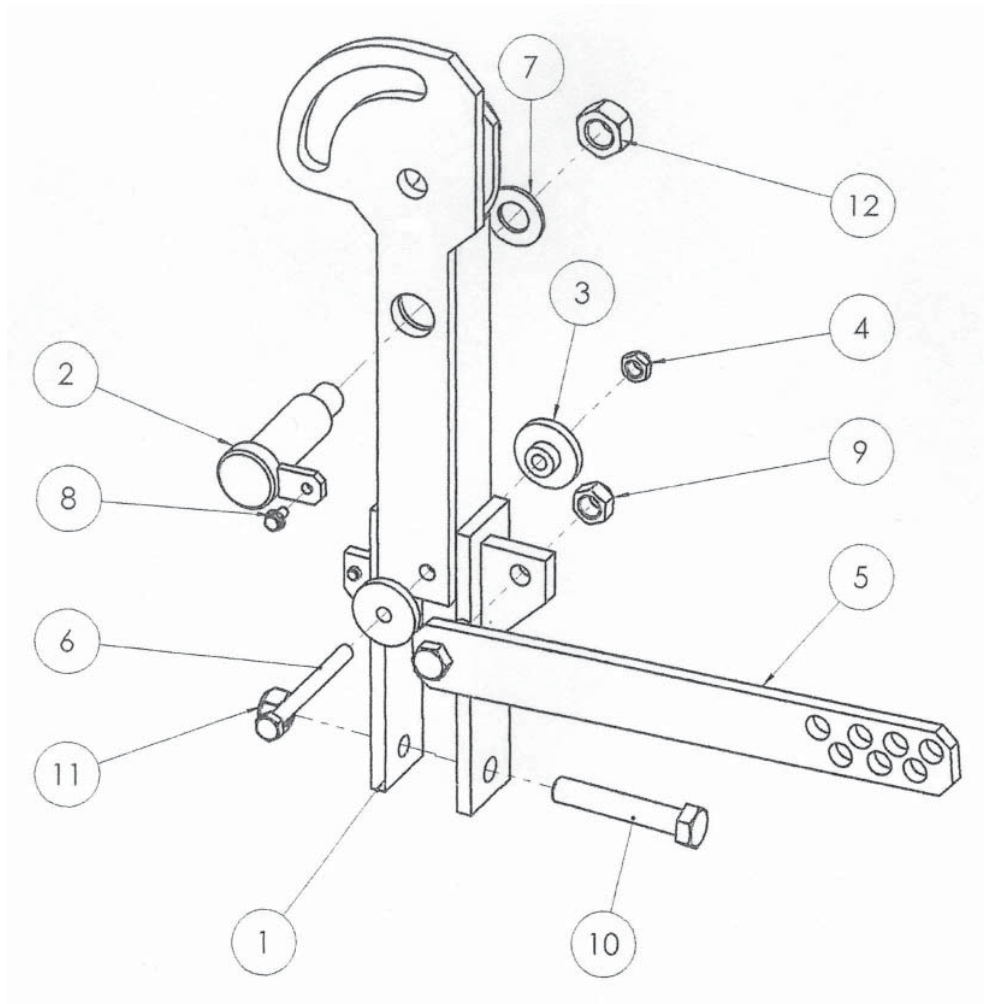


REF #	QTY.	PART NO.	DESCRIPTION
1	1	00201324	Support For Anti-Shock Arm LH
2	1	01130161	Axle
3	1	05011851	Screw Tensilok M6 x 12 Zn
4	1	05015022	Washer M20 Zn
5	1	05014301	Self Braking Nut M20
6	1	00201319 BIS	Plate
7	1	05014305	Brake Nut M14
8	1	05010056	Screw TH M10 x 100 Zn
9	1	05014311	Nut M 10
10	2	00201327	Holding Washer
11	1	05010001	Screw TH M16 x 90 Zn
12	1	05014307	Lock Nut M16

2 SPARE PARTS - FRAMES

2.14 SUPPORT FOR CROSS SLOPE RH - CODE 0113 0166

PL 3753

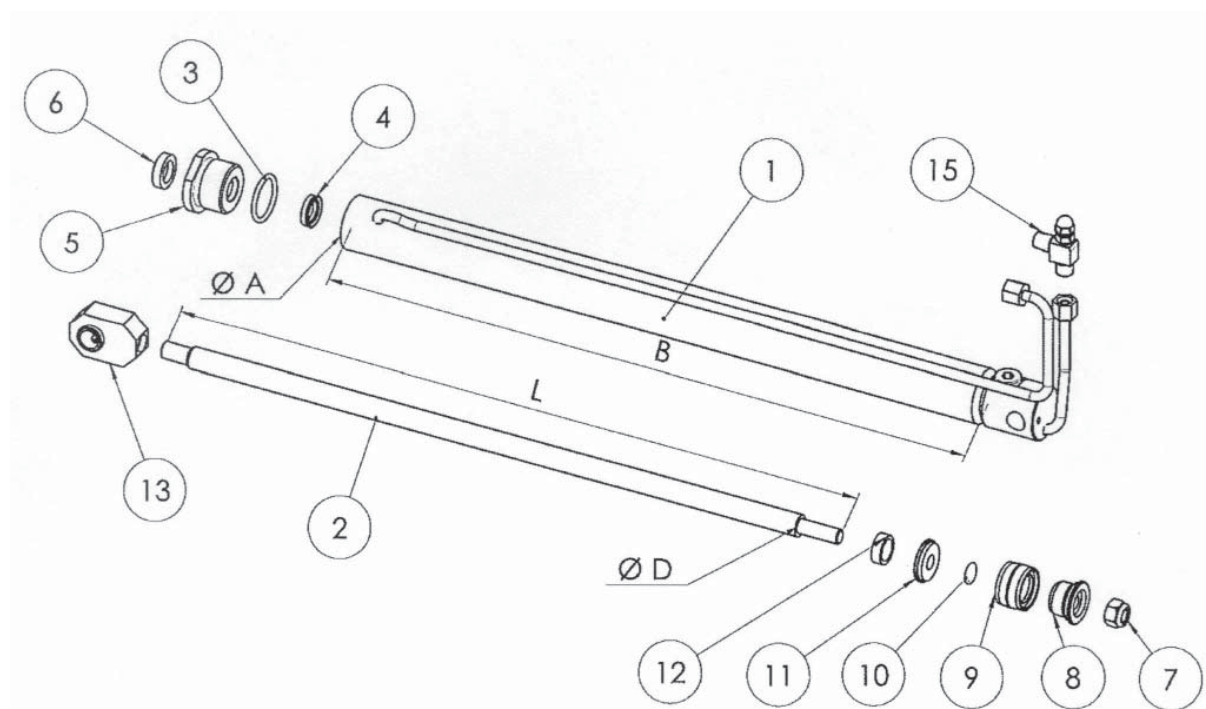


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	00201324 BIS	Support For Anti-Shock Arm RH
2	1	01130161	Axle
3	2	00201327	Holding Washer
4	1	05014311	Nut M 10
5	1	00201319 BIS	Plate
6	1	05010056	Screw TH M10 x 100 Zn
7	1	05015022	Washer M20 Zn
8	1	05011851	Screw Tensilok M6 x 12 Zn
9	1	05014305	Brake Nut M14
10	1	05010001	Screw TH M16 x 90 Zn
11	1	05014307	Lock Nut M16
12	1	05014301	Self Braking Nut M20

2 SPARE PARTS - FRAMES

2.15 DOUBLE EFFECT CYLINDER Ø35 - 18

PL 3754



REF #	QTY.	PART NO.	DESCRIPTION	ASSY.
1	1	Corps-Body Ø35	Body (See Table Below)	
2	1	Tie-Rod D18	Rod (See Table Below)	
3	1	05001307	O-Ring	
4	1	05000043	Joint	
5	1	05019005	Threaded Base	
6	1	05001002	Joint	
7	1	05014300	Brake Nut M12	
8	1	05019670	Half Piston	
9	1	05000041	Piston Joint	
10	1	05001301	O-Ring R 10	
11	1	05019671	Flask	
12	1	05019004	Flange	
13	1	05019983	Fork	
14	1	05008669	Plug 12 x 17	
15	1	05009030	Angle Elbow	

Dimensions in mm:

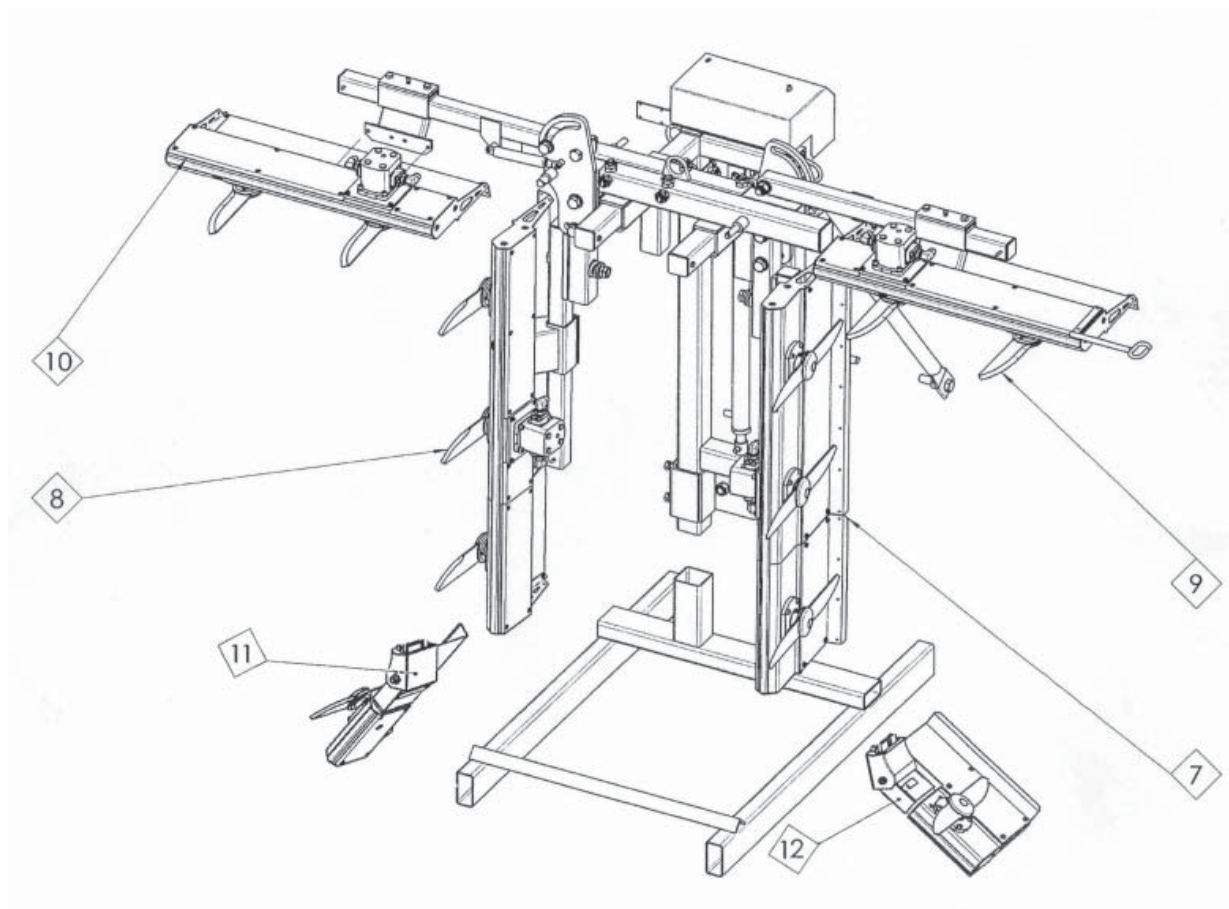
Cylinder:	Rod:	Body:	ØA	B	L	ØD	Stroke:
0501 9993	0501 9483	0501 9994	45	674	710	18	600

- Set of Seals: 0501 9678

3 SPARE PARTS - ELEMENTS

3.1 DOUBLE FRAME ELEMENTS

PL 4870a

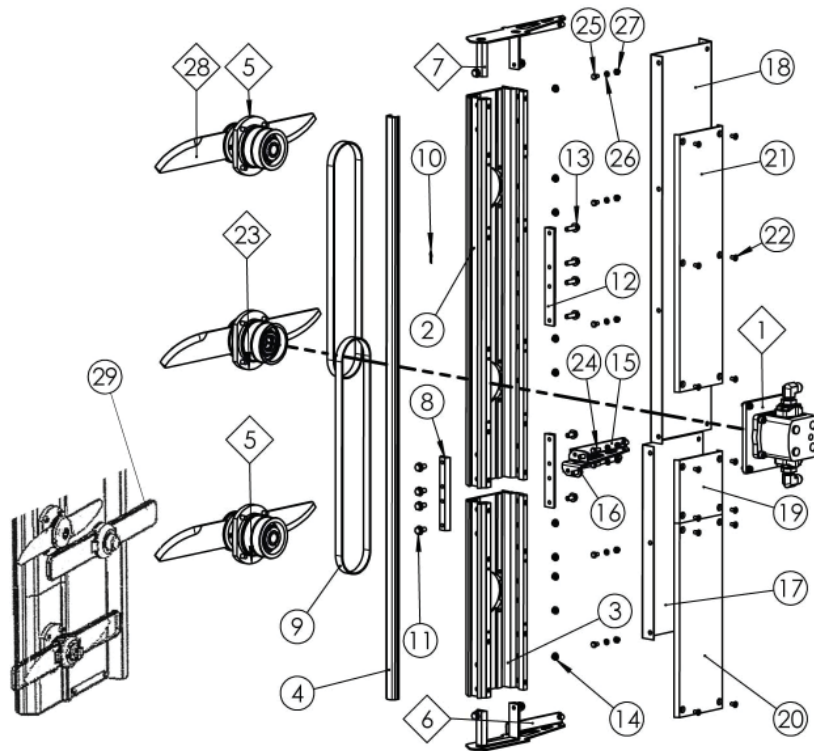


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
7	1	00001906	51" LH 3 Blade Cut. Element	PL 3688 - Pg 20
8	1	00001905	51" RH 3 Blade Cut. Element	PL 3686 - Pg 18
9	1	00001881	30.7" LH 2 Blade Cut. Element	PL 3602 - Pg 28
10	1	00001890	30.7" RH 2 Blade Cut. Element	PL 3552 - Pg 27
11	1	00002361	LH Skirt, Motor Driven	PL 4713 - Pg 24
12	1	00002360	RH Skirt, Motor Driven	PL 4712 - Pg 23

3 SPARE PARTS - ELEMENTS

3.2 51" CUTTING ELEMENT - CODE 0000 1905

PL 3686



Cutting Height - 51"
12 cc Motor
Position 2
RH Rotation

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	0105 0132	Motor 12 cc	PL 3564 - Pg 22
2	1	01050046	Aluminum Section 800 mm	
3	1	01050048	Aluminum Section 400 mm	
4	1	01221200	Leading Edge 1200 mm	
5	2	01050130	Blade Assy Long RH	PL 3540 - Pg 29
6	1	01050018	Complete Closing With Screws	PL 3542 - Pg 26
7	1	01050019	Complete Closing With Screws	PL 3542 - Pg 26
8	2	01050077	Junction L=150 mm	
9	2	05028597	Belt S 250 17 x 1039 mm	
10	1	05016072	Adhesive Sticker	
11	6	05011877	Screw Tensilock M8 x 16	
12	1	00420016	Junction L=200 mm	
13	4	05011876	Screw Tensilok M8 x 25 Zn	

3 SPARE PARTS - ELEMENTS

3.2 51" CUTTING ELEMENT - CODE 0000 1905 (CONTINUED)

PL 3686

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
14	10	05017891	Plastic Obturator	
15	1	01050008	Case Reinforcement w/Screws LH	
16	1	01050009	Case Reinforcement w/Screws RH	
17	1	01050097	Blade Case 400 mm	
18	1	01050099	Blade Case 800 mm	
19	1	01050090	Cover 130 mm	
20	1	01050093	Cover 400 mm	
21	1	01050094	Cover 530 mm	
22	14	05010537	Screw FHC M6 x 12	
23	1	01050124	Motor Blade Assy Short RH	PL 3541 - Pg 31
24	2	05010152	Screw TH M6 x 16	
25	5	05010020	Screw TH M6 x 10	
26	7	05015318	Washer W6	
27	7	05011234	Nut M6	
28	3	05030169	S. S. Blade 480 mm EL RH	

SPECIAL NOTE: With every stainless steel blade ordered it is recommended that the following also be ordered:

1 ea. 0503-0069 Mounting hardware for 1 blade consisting of:

1 ea. 0501 4311 Locknut M10

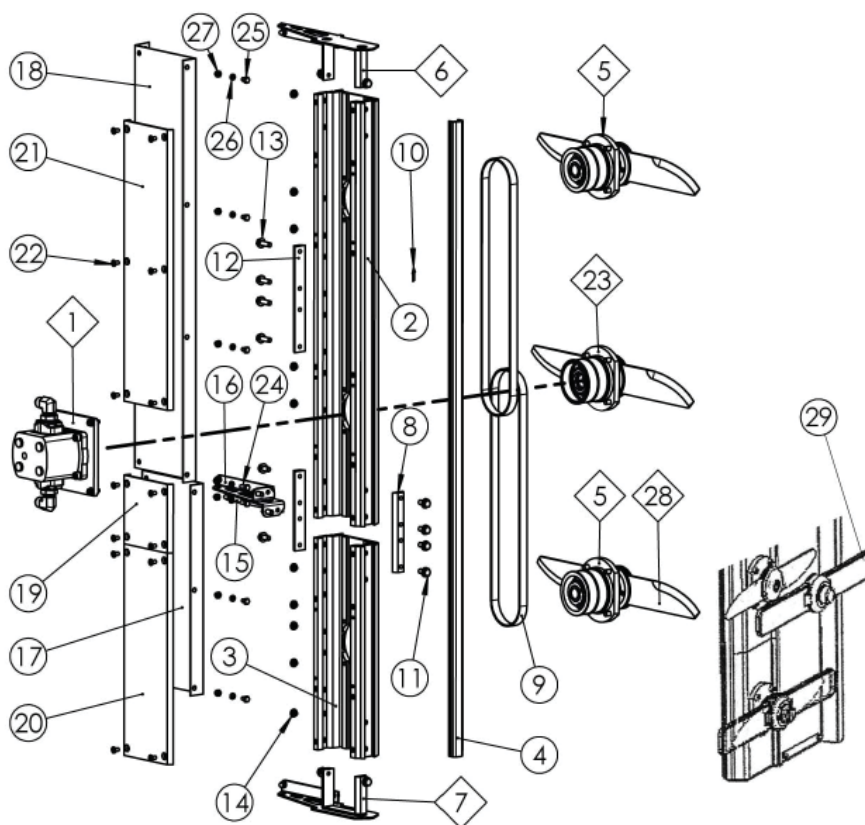
1 ea. 0501 7926 Plug

2 ea. 0501 1861 Screw Tensilok M8 x 12

3 SPARE PARTS - ELEMENTS

3.3 51" CUTTING ELEMENT - CODE 0000 1906

PL 3688



Cutting Height - 51"
12 cc Motor
Position 2
LH Rotation

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	0105 0132	Motor 12cc	PL 3564 - Pg 22
2	1	01050046	Aluminum Section 800 mm	
3	1	01050048	Aluminum Section 400 mm	
4	1	01221200	Leading Edge 1200 mm	
5	2	01050129	Blade Assy Long LH	PL 3543 - Pg 30
6	1	01050018	Complete Closing With Screws	PL 3542 - Pg 26
7	1	01050019	Complete Closing With Screws	PL 3542 - Pg 26
8	2	01050077	Junction L=150 mm	
9	2	05028597	Belt S 250 17 x 1039 mm	
10	1	05016072	Adhesive Sticker	
11	6	05011877	Screw Tensilock M8 x 16	

3 SPARE PARTS - ELEMENTS

3.3 51" CUTTING ELEMENT - CODE 0000 1906 (CONTINUED)

PL 3688

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
12	1	00420016	Junction L=200 mm	
13	4	05011876	Screw Tensilok M8 x 25 Zn	
14	10	05017891	Plastic Obturator	
15	1	01050008	Case Reinforcement w/Screws LH	
16	1	01050009	Case Reinforcement w/Screws RH	
17	1	01050097	Blade Case 400 mm	
18	1	01050099	Blade Case 800 mm	
19	1	01050090	Cover 130 mm	
20	1	01050093	Cover 400 mm	
21	1	01050094	Cover 530 mm	
22	14	05010537	Screw FHC M6 x 12	
23	1	01050123	Motor Blade Assy Short LH	PL 3555 - Pg32
24	2	05010152	Screw TH M6 x 16	
25	5	05010020	Screw TH M6 x 10	
26	7	05015318	Washer W6	
27	7	05011234	Nut M6	
28	3	05030170	S. S. Blade 480 mm EL LH	

SPECIAL NOTE: With every stainless steel blade ordered it is recommended that the following also be ordered:

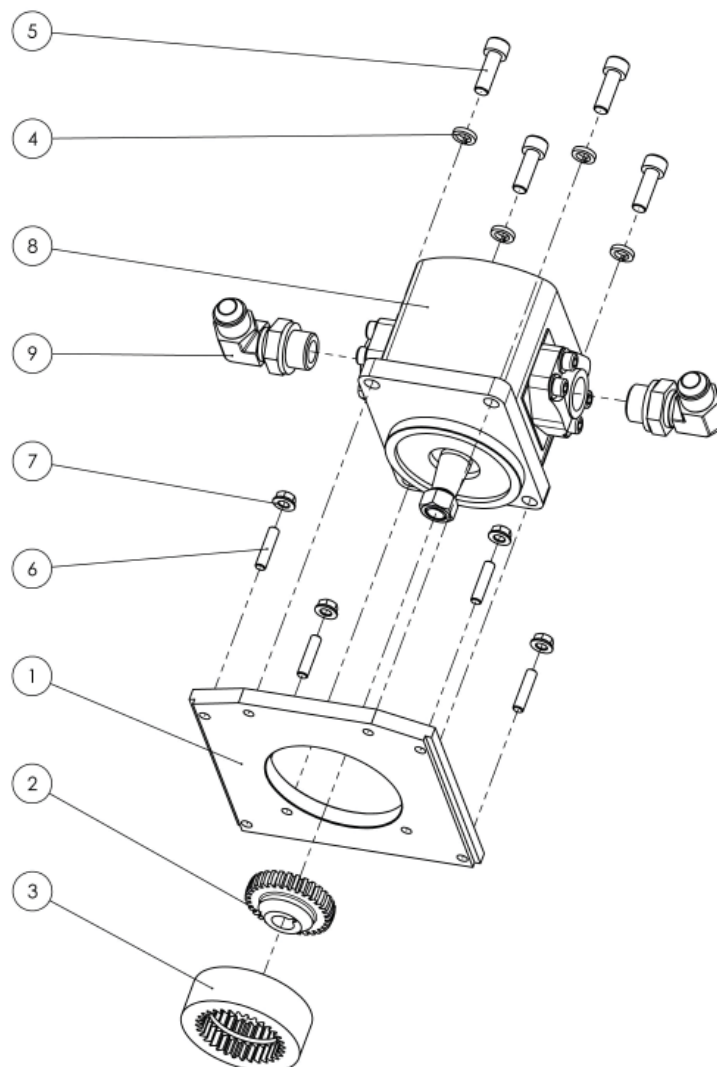
1 ea. 0503-0069 Mounting hardware for 1 blade consisting of:

1 ea. 0501 4311	Locknut M10
1 ea. 0501 7926	Plug
2 ea. 0501 1861	Screw Tensilok M8 x 12

3 SPARE PARTS - ELEMENTS

3.4 HYDRAULIC MOTOR 12CC - CODE 0105 0132

PL 3564

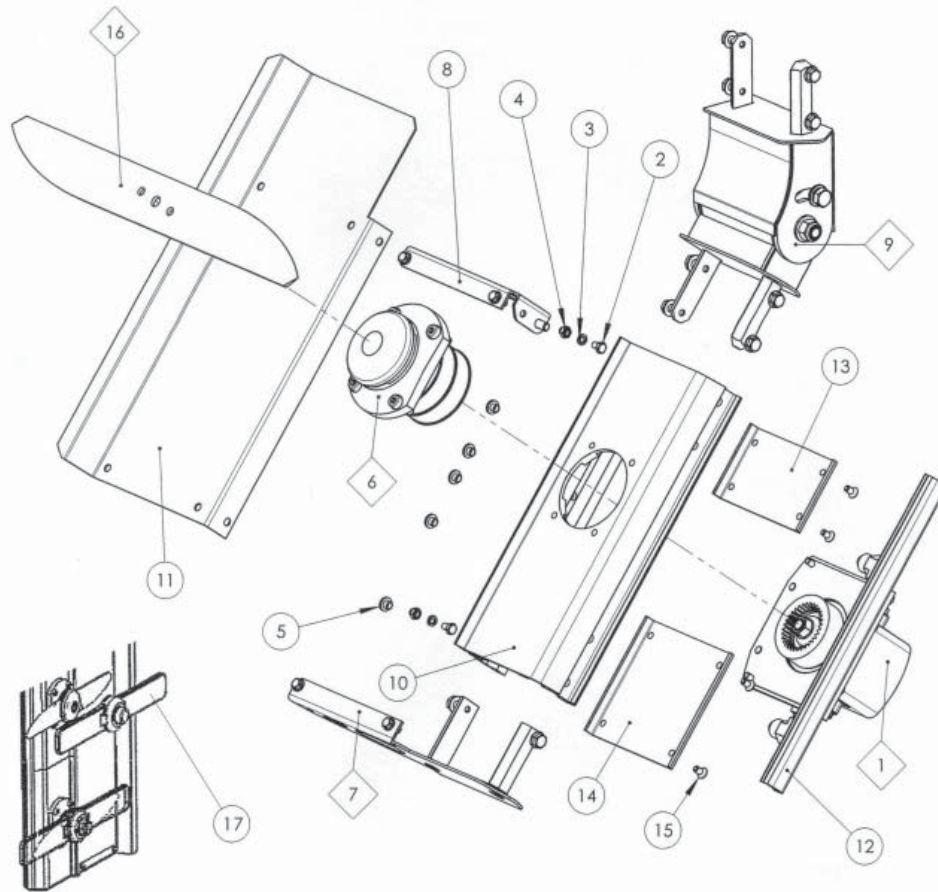


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	01050039	Motor Plate
2	1	01050021	Pinion With Cone
3	1	01050024	Coupling
4	4	05015317	Washer W8
5	4	05010903	Screw CHC M8 x 25
6	4	05011659	Gudgeon M6 x 25
7	4	05011215	Nut Tensilok M6 Zn
8	1	05021061	Hydraulic Motor 12cc
9	2	05006578	Angle MJ 3/4 - MG 1/2 Cyl. With Counter Nut

3 SPARE PARTS - ELEMENTS

3.5 SKIRTING ELEMENT RH - CODE 0000 2360

PL 4712

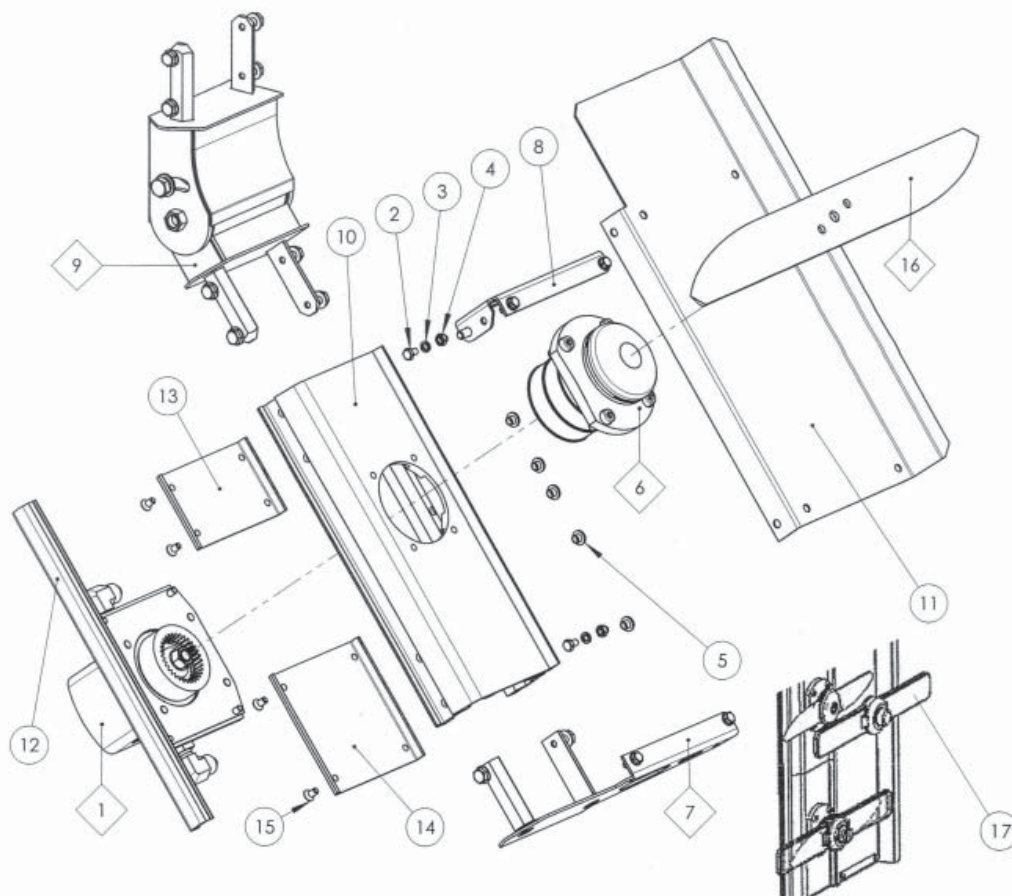


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1		0105 0132	Motor 12cc	PL 3564 - Pg 22
2	2	05010020	Screw TH M6 x 10	
3	2	05015318	Washer W 6	
4	2	05011234	Nut M6	
5	5	05017891	Plastic Obturator	
6	1	01050124	Motor Blade Assy. Short RH	PL 3541 - Pg 31
7	1	01050018	Complete Closing With Screws	PL 3542 - Pg 26
8	1	01050009	Case Reinforcement With Screws RH	
9	1	00940250	Articulation - Motor Skirting Element	PL 4714 - Pg 25
10	1	01050331	Aluminum Section 350 mm	
11	1	01050332	Blade Case 350mm - Skirting Element	
12	1	01220350	Leading Edge 350mm	
13	1	01050074	Cover 80mm	
14	1	01050090	Cover 130mm	
15	8	05010537	Screw FHC M6 x 12	
16	1	05030169	S. S. Blade 480mm EL RH	

3 SPARE PARTS - ELEMENTS

3.6 SKIRTING ELEMENT LH - CODE 0000 2361

PL 4713

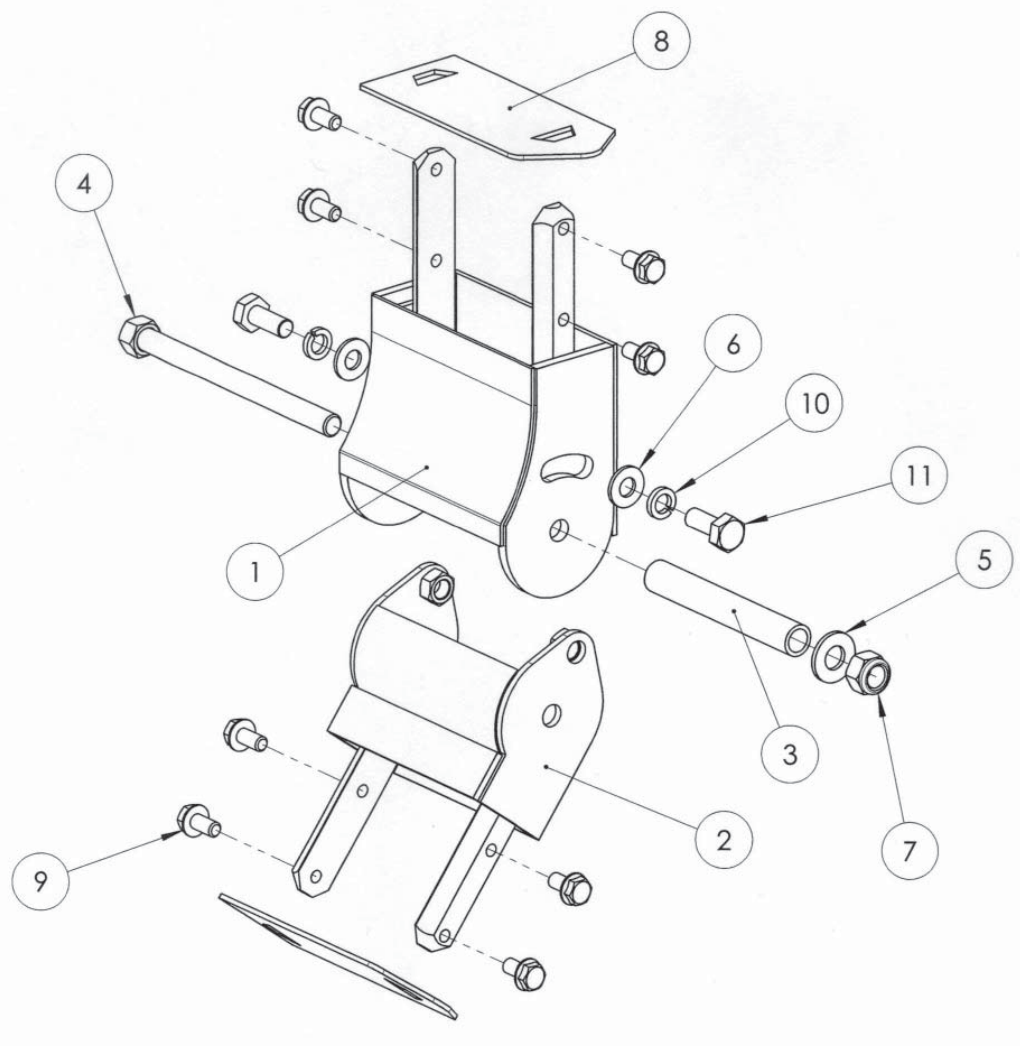


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1		0105 0132	Motor 12cc	PL 3564 - Pg 22
2	2	05010020	Screw TH M6 x 10	
3	2	05015318	Washer W 6	
4	2	05011234	Nut M6	
5	5	05017891	Plastic Obturator	
6	1	01050123	Motor Blade Assy. Short LH	PL 3555 - Pg 32
7	1	01050019	Complete Closing With Screws	PL 3542 - Pg 26
8	1	01050008	Case Reinforcement With Screws LH	
9	1	00940250	Articulation - Motor Skirting Element	PL 4714 - Pg 25
10	1	01050331-BIS	Aluminum Section 350 mm	
11	1	01050332-BIS	Blade Case 350mm - Skirting Element	
12	1	01220350	Leading Edge 350mm	
13	1	01050074	Cover 80mm	
14	1	01050090	Cover 130mm	
15	8	05010537	Screw FHC M6 x 12	
16	1	05030170	S. S. Blade 480mm EL LH	

3 SPARE PARTS - ELEMENTS

3.7 ARTICULATION SKIRTING ELEMENT - CODE 0094 0250

PL 4714

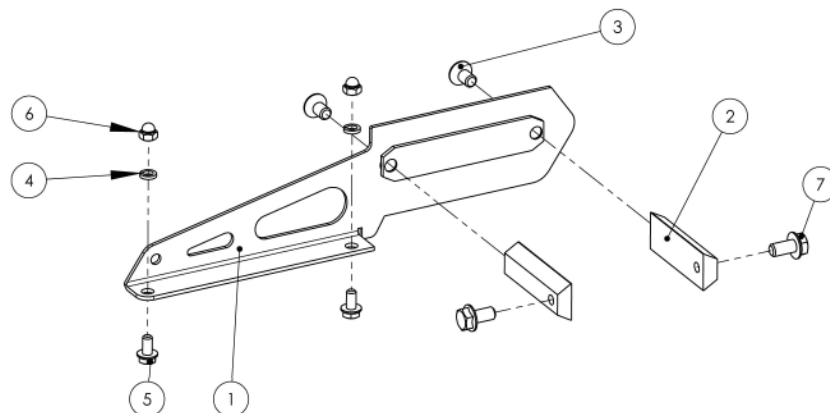


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	00940248	Upper Element	
2	1	00940249	Lower Element	
3	1	00940229	Long Spacer	
4	1	00940211	Roller Axle	
5	1	05015009	Washer M12	
6	2	05015025	Washer M10 Zn	
7	1	05014300	Locknut M12	
8	2	00940251	Closing Element	
9	8	05011877	Screw Tensilok M8 x 16	
10	2	05015313	Washer W 10	
11	2	05010024	Screw TH M10 x 25	

3 SPARE PARTS - ELEMENTS

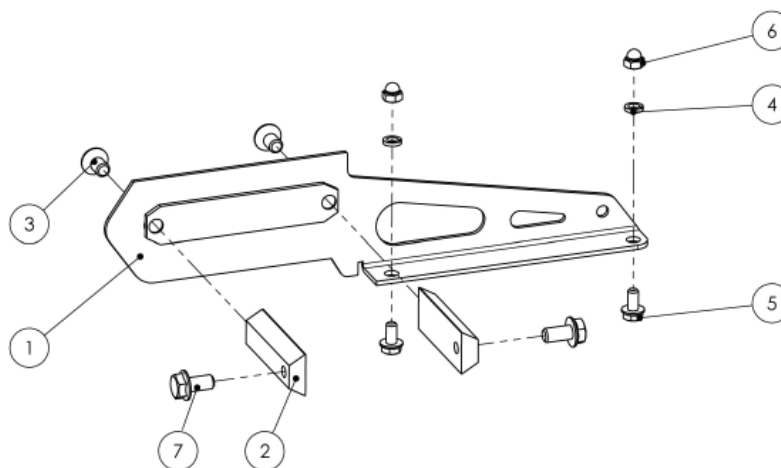
3.8 COMPLETE CLOSING - CODE 0105 0018

PL 3542



<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	01050017	Closing
2	2	01050015	Link Part
3	2	05010501	Screw FHC M8 x 15
4	2	05015318	Washer W6
5	2	05011851	Screw Tensilok M6 x 12 Zn
6	2	05011234	Nut M6
7	2	05011877	Screw Tensilok M8 x 16

COMPLETE CLOSING (SYMMETRICAL) - CODE 0105 0019

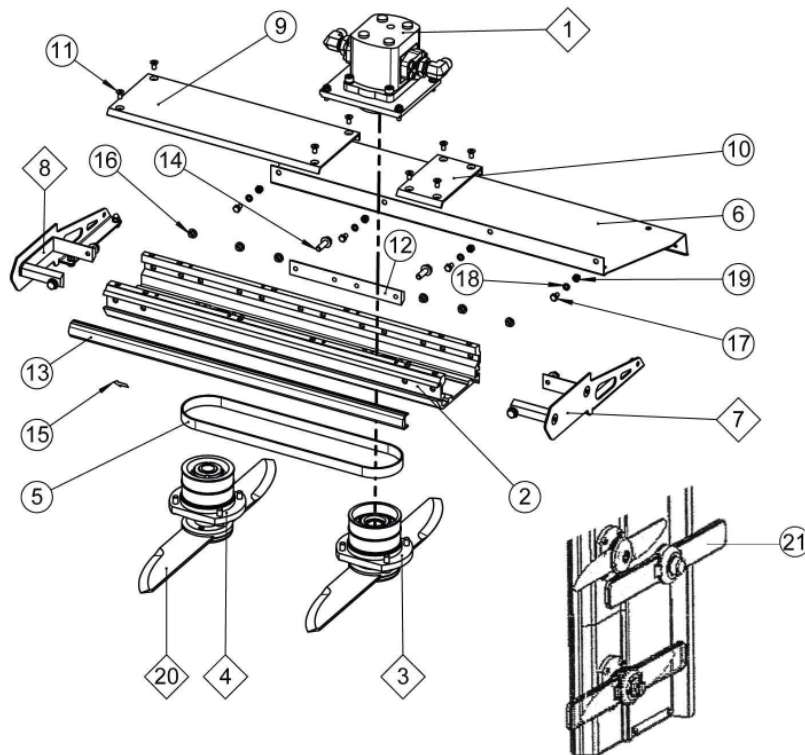


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	01050017-BIS	Closing
2	2	01050015	Link Part
3	2	05010501	Screw FHC M8 x 15
4	2	05015318	Washer W6
5	2	05011851	Screw Tensilok M6 x 12 Zn
6	2	05011234	Nut M6
7	2	05011877	Screw Tensilok M8 x 16

3 SPARE PARTS - ELEMENTS

3.9 30.7" CUTTING ELEMENT - CODE 0000 1890

PL 3552



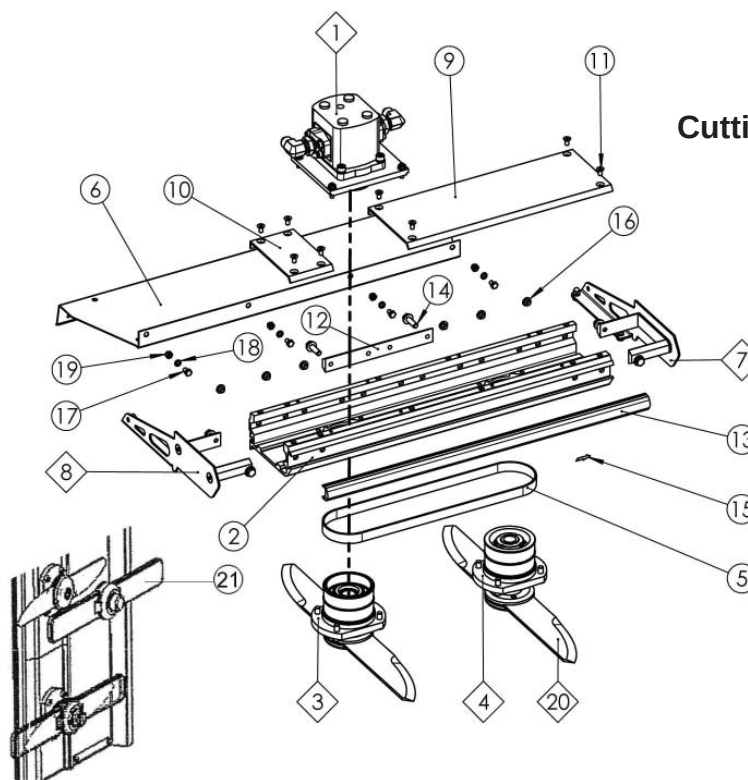
Cutting Length - 30.7"
12 cc Motor
RH Rotation

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	0105 0132	Motor 12 cc	PL 3564 - Pg 22
2	1	01050045	Aluminum Section 600 mm	
3	1	01050124	Motor Blade Assy Short RH	PL 3541 - Pg 31
4	1	01050130	Blade Assy Long RH	PL 3540 - Pg 29
5	1	05028596	Belt S 250 17 x 842 mm	
6	1	01050096	Blade Case 690 mm	
7	1	01050018	Complete Closing With Screws	PL 3542 - Pg 26
8	1	01050019	Complete Closing With Screws	PL 3542 - Pg 26
9	1	01050091	Cover 380 mm	
10	1	01050074	Cover 80 mm	
11	8	05010537	Screw FHC M6 x 12	
12	1	00420016	Junction L=200 mm	
13	1	01220600	Leading Edge 600 mm	
14	2	05011876	Screw Tensilok M8 x 25 Zn	
15	1	05016072	Adhesive Sticker	
16	6	05017891	Plastic Obturator	
17	4	05010020	Screw TH M6 x 10	
18	4	05015318	Washer W6	
19	4	05011234	Nut M6	
20	2	05030169	S.S. Blade 480 mm EL RH	

3 SPARE PARTS - ELEMENTS

3.10 30.7" CUTTING ELEMENT - CODE 0000 1881

PL 3602



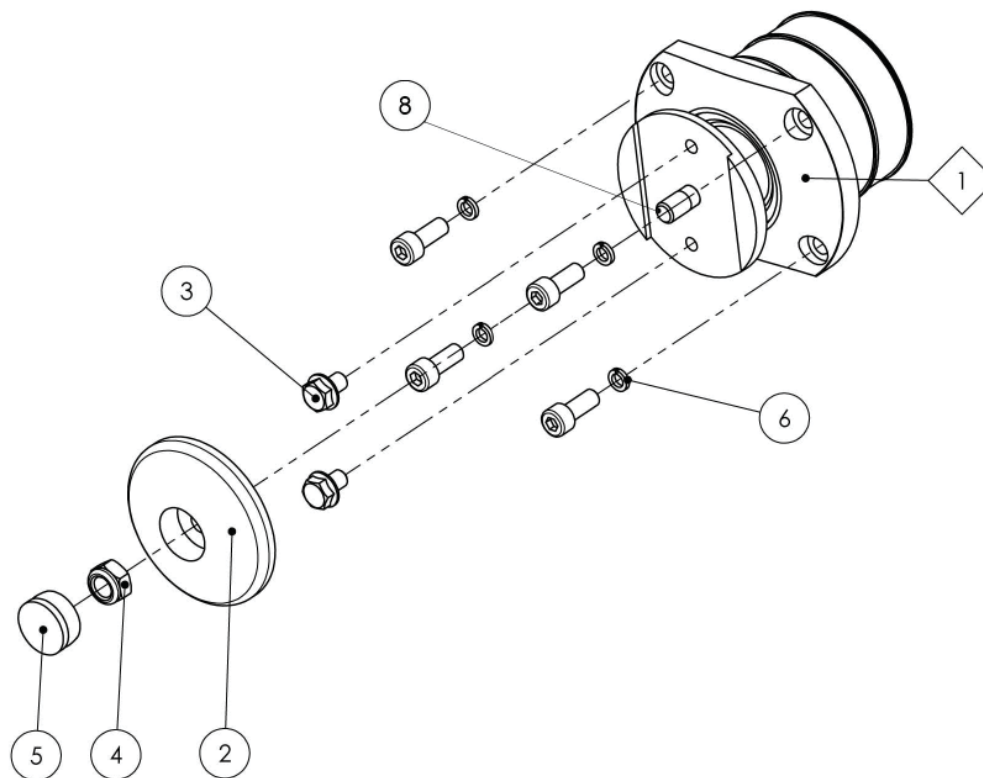
Cutting Length - 30.7"
12 cc Motor
LH Rotation

<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	0105 0132	Motor 12 cc	PL 3564 - Pg 22
2	1	01050045	Aluminum Section 600 mm	
3	1	01050123	Motor Blade Assy Short LH	PL 3555 - Pg 32
4	1	01050129	Blade Assy Long LH	PL 3543 - Pg 30
5	1	05028596	Belt S 250 17 x 842 mm	
6	1	01050096	Blade Case 690 mm	
7	1	01050018	Complete Closing With Screws	PL 3542 - Pg 26
8	1	01050019	Complete Closing With Screws	PL 3542 - Pg 26
9	1	01050091	Cover 380 mm	
10	1	01050074	Cover 80 mm	
11	8	05010537	Screw FHC M6 x 12	
12	1	00420016	Junction L=200 mm	
13	1	01220600	Leading Edge 600 mm	
14	2	05011876	Screw Tensilok M8 x 25 Zn	
15	1	05016072	Adhesive Sticker	
16	6	05017891	Plastic Obturator	
17	4	05010020	Screw TH M6 x 10	
18	4	05015318	Washer W6	
19	4	05011234	Nut M6	
20	2	05030170	S.S. Blade 480 mm EL LH	

3 SPARE PARTS - ELEMENTS

3.11 BLADE ASSEMBLY LONG RH - CODE 0105 0130

PL 3540

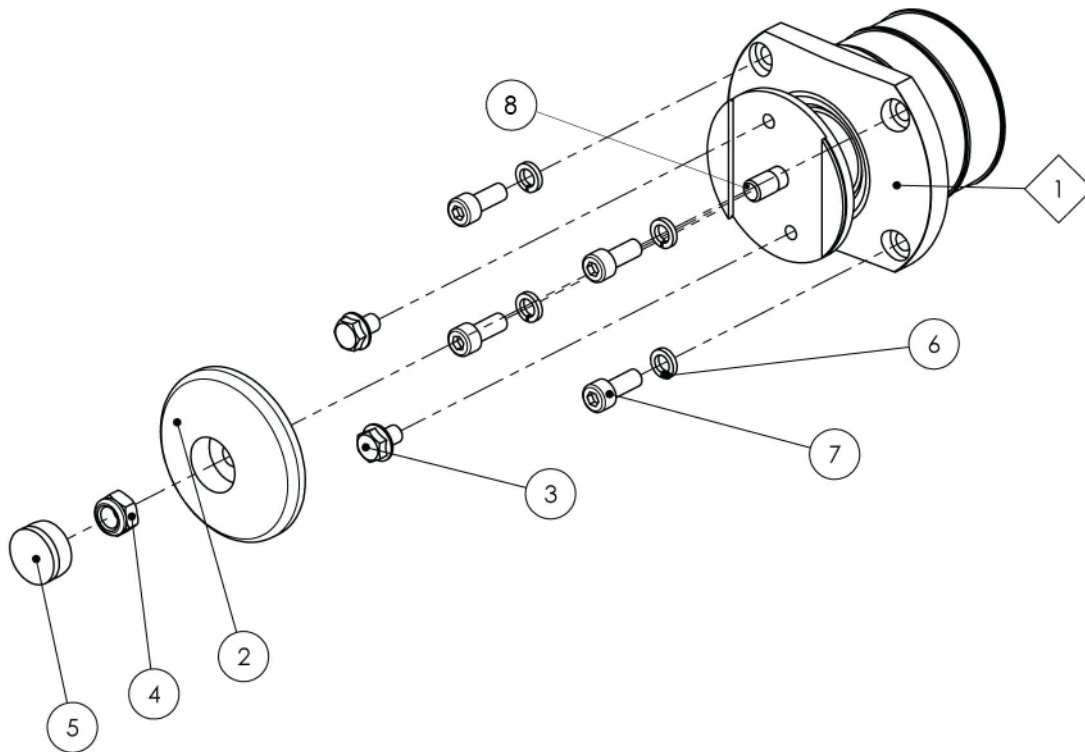


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01050072	Blade Hsg. Assy. Long RH	PL 3556 - Pg 35
2	1	01050031	Cup	
3	2	05011861	Screw Tensilok M8 x 12 Zn	
4	1	05014311	Locknut M10	
5	1	05017926	Cap Ø26 mm	
6	4	05015318	Washer W6	
7	4	05010905	Screw CHC M8 x 20	

3 SPARE PARTS - ELEMENTS

3.12 BLADE ASSEMBLY LONG LH - CODE 0105 0129

PL 3543

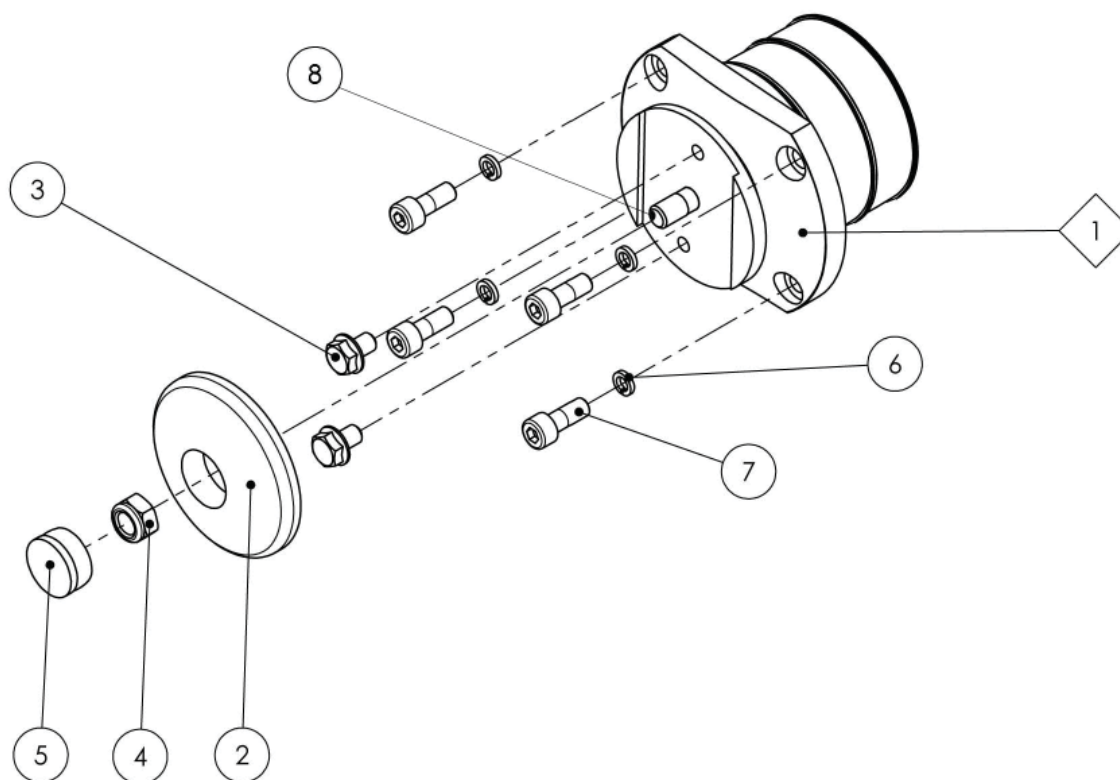


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01050071	Blade Hsg. Assy. Long LH	PL 3558 - Pg 36
2	1	01050031	Cup	
3	2	05011861	Screw Tensilok M8 x 12 Zn	
4	1	05014311	Locknut M10	
5	1	05017926	Cap Ø26 mm	
6	4	05015317	Washer W8	
7	4	05010902	Screw CHC M8 x 20	

3 SPARE PARTS - ELEMENTS

3.13 MOTOR BLADE ASSY SHORT RH - CODE 0105 0124

PL 3541

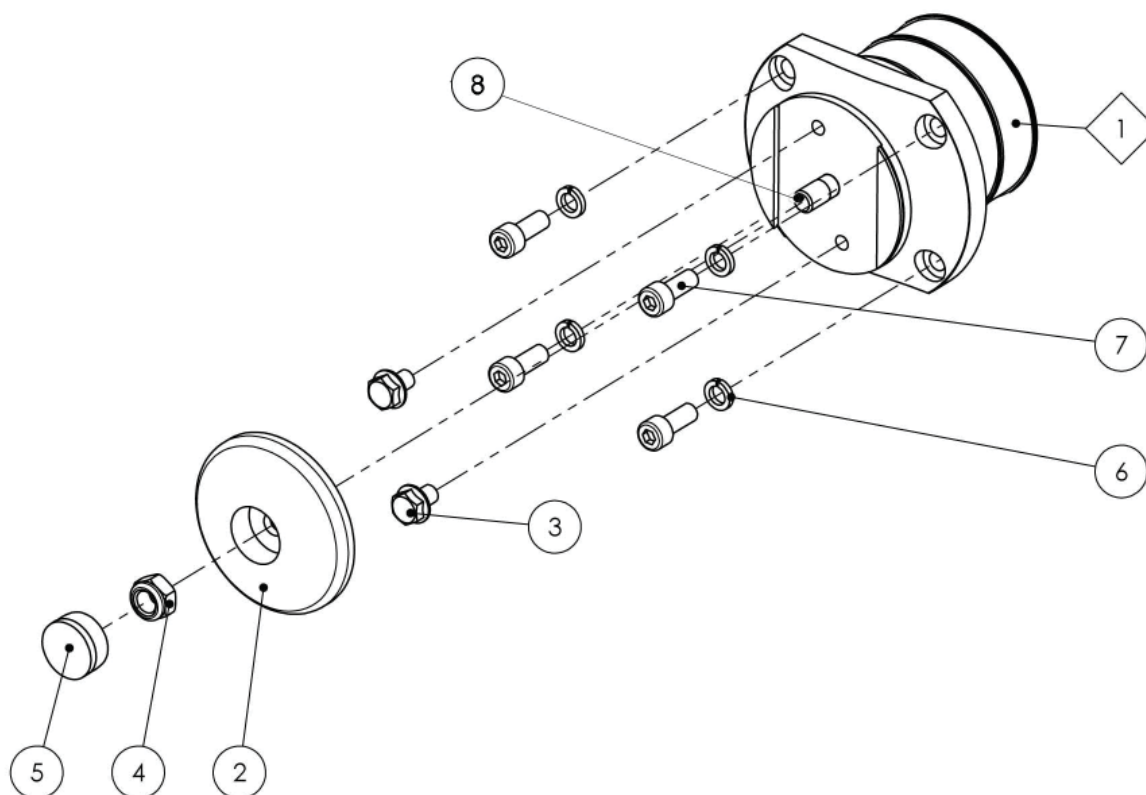


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01050066	Motor Blade Hsg. Assy. Short RH	PL 3557 - Pg 33
2	1	01050031	Cup	
3	2	05011861	Screw Tensilok M8 x 12 Zn	
4	1	05014311	Locknut M10	
5	1	05017926	Cap Ø26 mm	
6	4	05015318	Washer W6	
7	4	05010902	Screw CHC M8 x 20	

3 SPARE PARTS - ELEMENTS

3.14 MOTOR BLADE ASSY SHORT LH - CODE 0105 0123

PL 3555

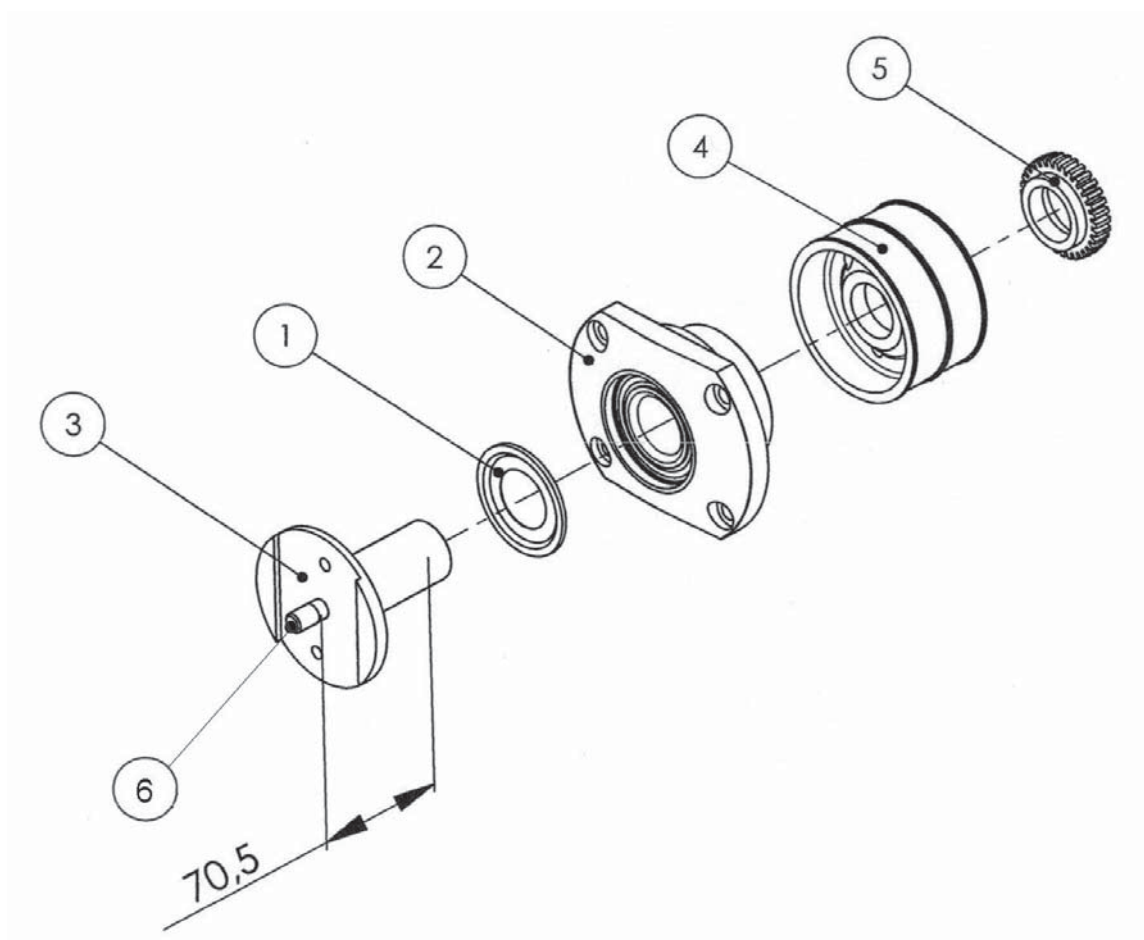


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	01050065	Motor Blade Hsg. Assy. Short LH	PL 3559 - Pg 34
2	1	01050031	Cup	
3	2	05011861	Screw Tensilok M8 x 12 Zn	
4	1	05014311	Locknut M10	
5	1	05017926	Cap Ø26 mm	
6	4	05015317	Washer W8	
7	4	05010902	Screw CHC M8 x 20	

3 SPARE PARTS - ELEMENTS

3.15 MOTOR BLADE HSG. ASSY SHORT RH - CODE 0105 0068

PL 3557

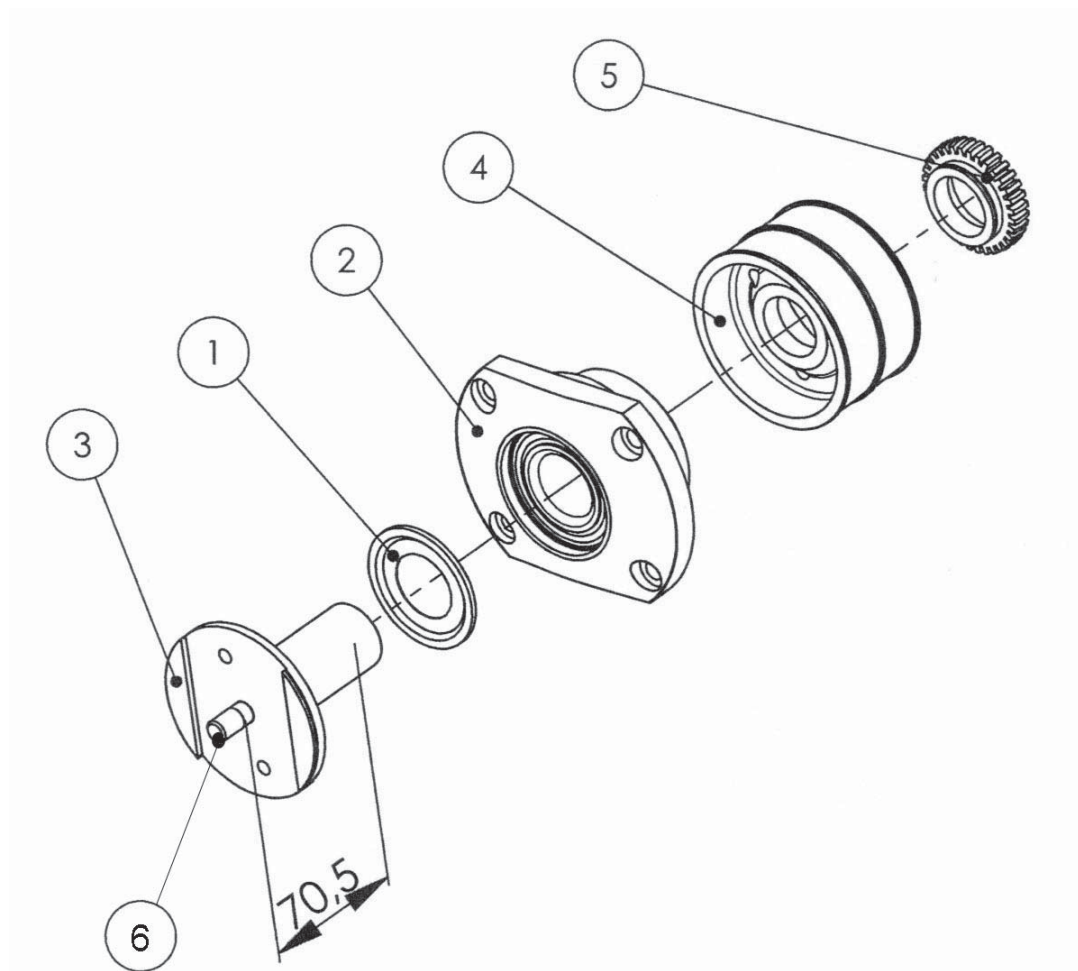


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	05000038	Ring NILOS	
2	1	01050064	Blade Housing	
3	1	01050056	Short Shaft Motor, Blade RH	
4	1	01050023	Motor Pulley	
5	1	01050022	Threaded Nut On Right	

3 SPARE PARTS - ELEMENTS

3.16 MOTOR BLADE HSG. ASSY SHORT LH - CODE 0105 0065

PL 3559

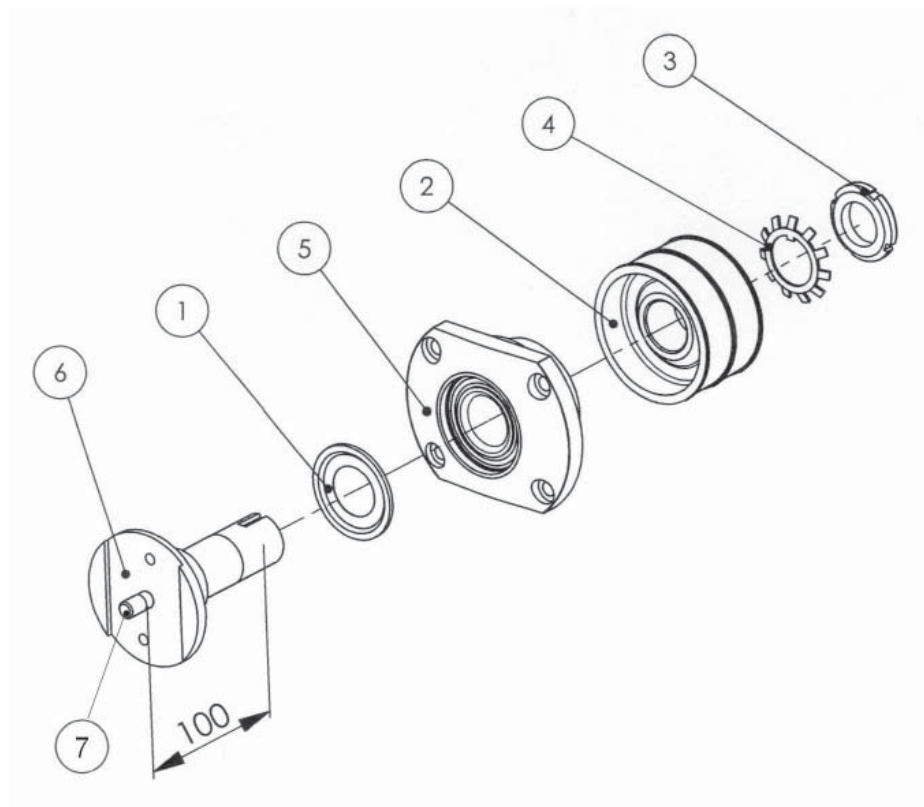


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	05000038	Ring NILOS	
2	1	01050064	Blade Housing	
3	1	01050055	Short Shaft Motor, Blade LH	
4	1	01050044	Motor Pulley	
5	1	01050063	Threaded Nut On Left	

3 SPARE PARTS - ELEMENTS

3.17 BLADE HSG. ASSY. LONG RH - CODE 0105 0072

PL 3556

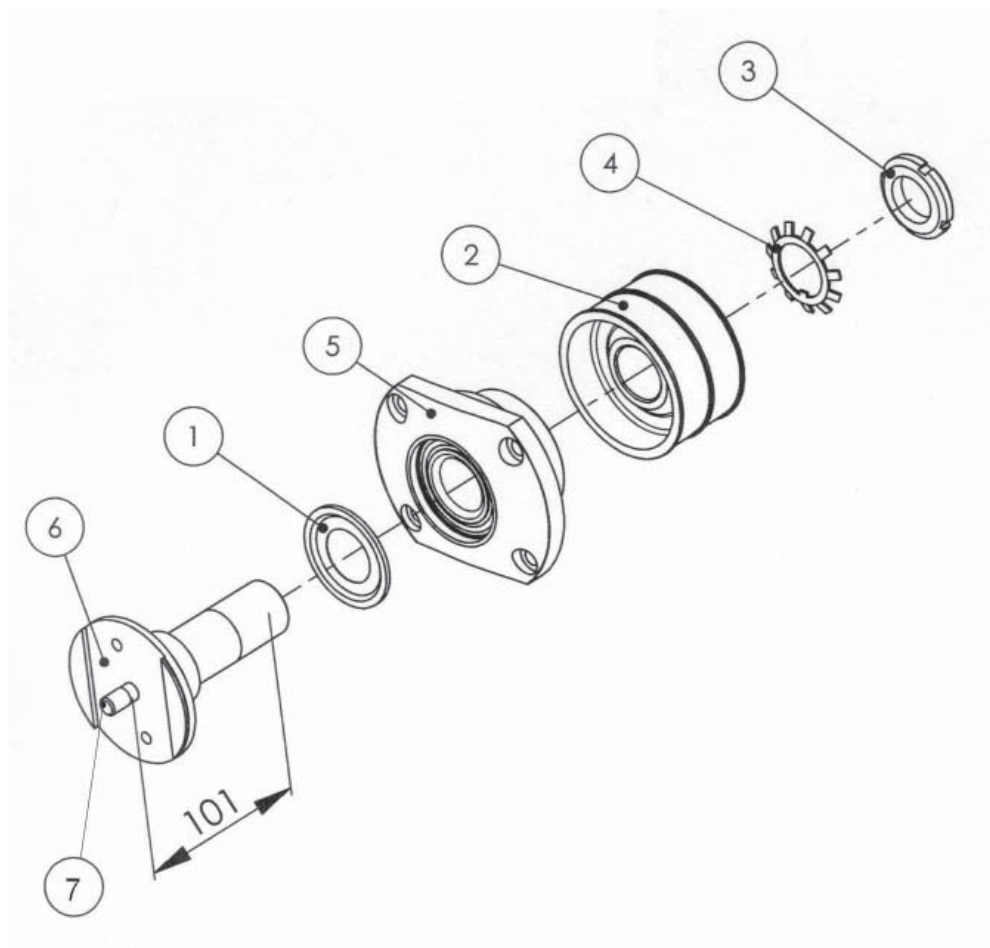


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	05000038	Ring NILOS	
2	1	01050025	Pulley	
3	1	05005206	Nut KM6	
4	1	05005256	Washer MB6	
5	1	01050064	Blade Housing	
6	1	01050062	Long Shaft Blade RH	

3 SPARE PARTS - ELEMENTS

3.18 BLADE HSG. ASSY. LONG LH - CODE 0105 0071

PL 3558



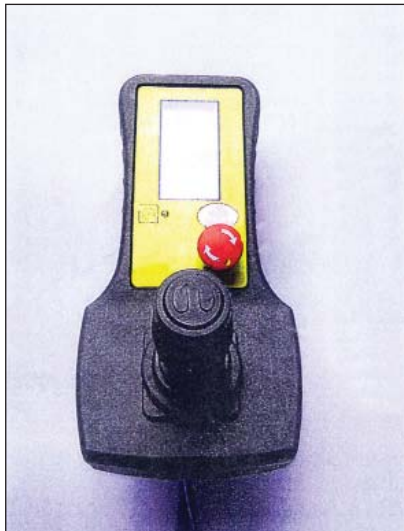
<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	05000038	Ring NILOS	
2	1	01050025	Pulley	
3	1	05005206	Nut KM6	
4	1	05005256	Washer MB6	
5	1	01050064	Blade Housing	
6	1	01050061	Long Shaft Blade LH	

4 HYDRAULICS

4.1 ELECTRIC CONTROL HANDLE - CODE 0000 2340

PL 4859

**For machines equipped with
1 to 8 double effect cylinders,
without function of control for
proportional valve**

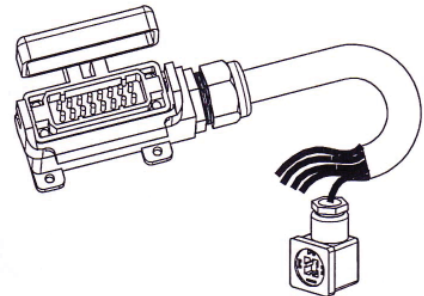
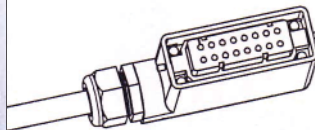


**Complete Electric
Control Handle
With Box, Wires
and Female Plug:**

0506 0081

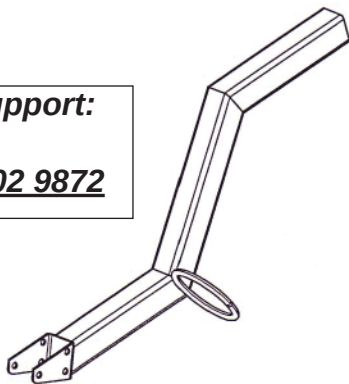
**Bundle of Wires
and Male Plug
(19 Connectors):**

0506 1081



Support:

0502 9872

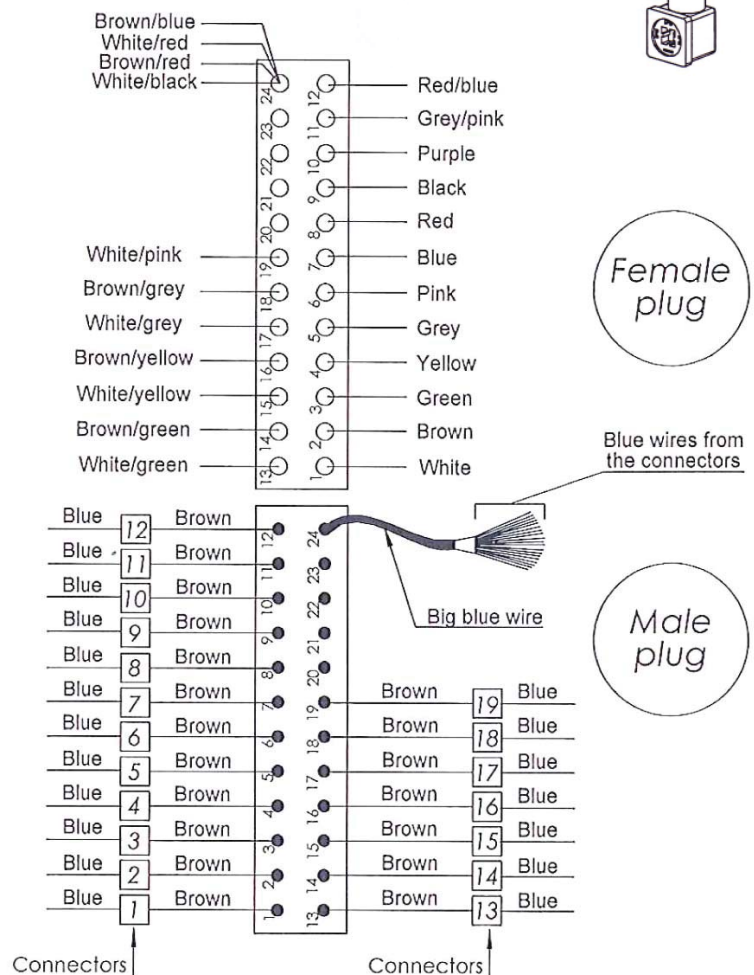


Connectors 1 to 8, 12 and 13:
Double effect cylinder functions

Connector 9:
ON/OFF Motors Function

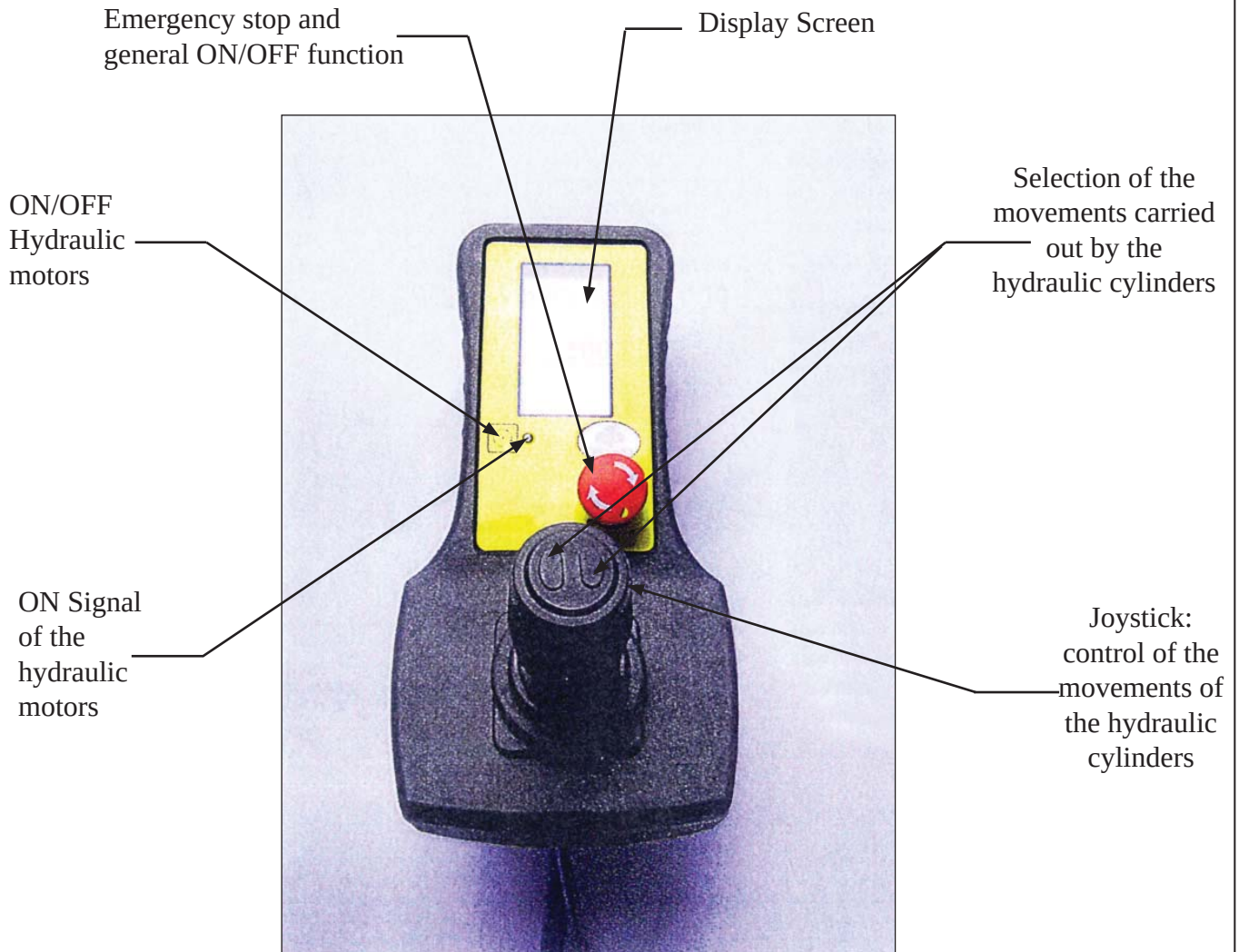
Connector 10:
By-pass Function

Connector 11:
EVC Function (only in case of closed
center hydraulic systems which work
with the additional hydraulic unit -
0000 1561)



4.2 ELECTRIC CONTROL HANDLE - CODE 0000 2340

PL 4456



To carry out a movement of a hydraulic cylinder, operate the joystick by tilting it towards one of the 4 directions following the desired cylinder movement.

Functions are changed by pushing the button located in the center of the joystick.

1. First press the button in order to select the desired function.
2. Then tilt simultaneously the joystick (without releasing the button).

NOTE: To carry out another movement it is necessary to bring the level to the central position (neutral position), then use steps 1 and 2 to obtain the next function (cylinder movement).

IMPORTANT:

In order to optimize the longevity of the control handle, after each use, keep the handle in a clean and dry place, devoid of dust and grease.

4.3 ELECTRIC CONTROL WITH MONO LEVER FROM 1 TO 8 DE

PL 5204

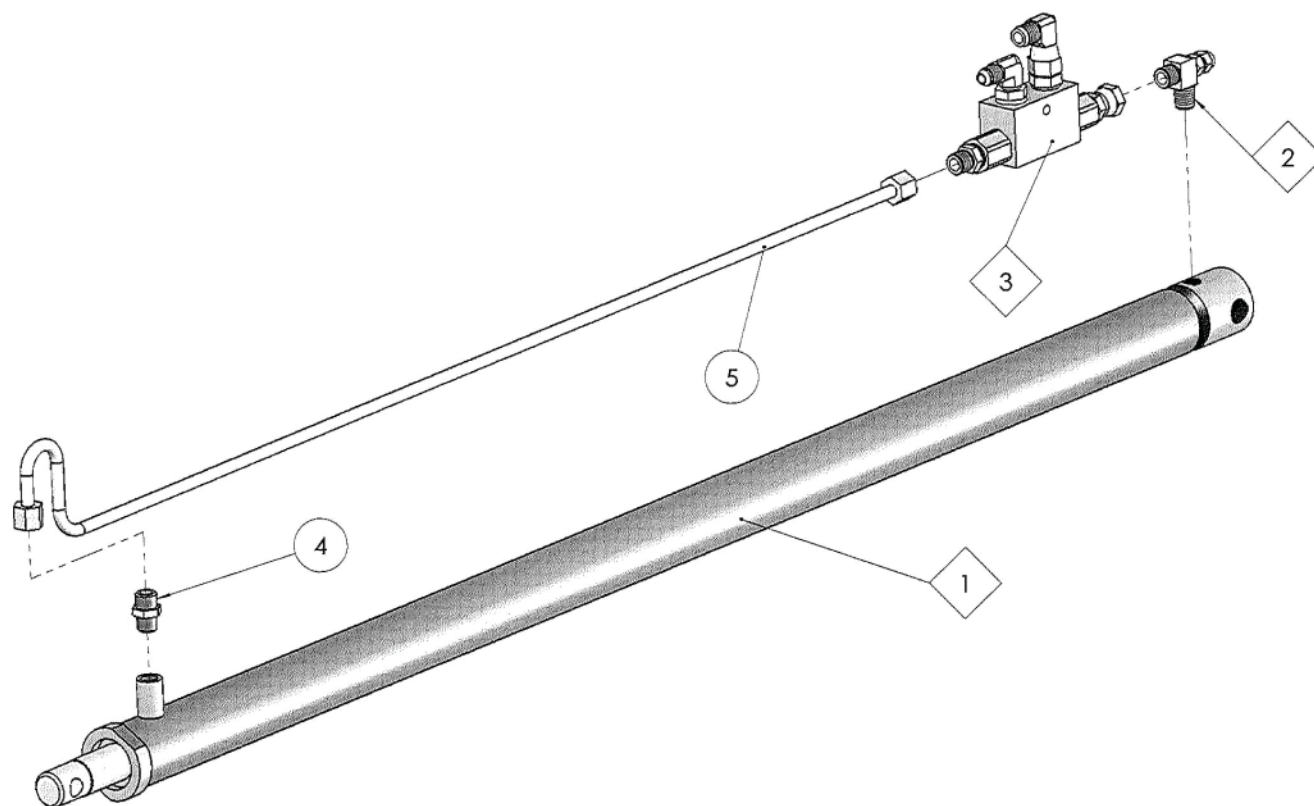
ELECTRIC CONTROL WITH MONO LEVER FOR 6 AND 8 DE



4 HYDRAULICS

4.4 HYDRAULIC KIT - CODE 0000 2176

PL 4859

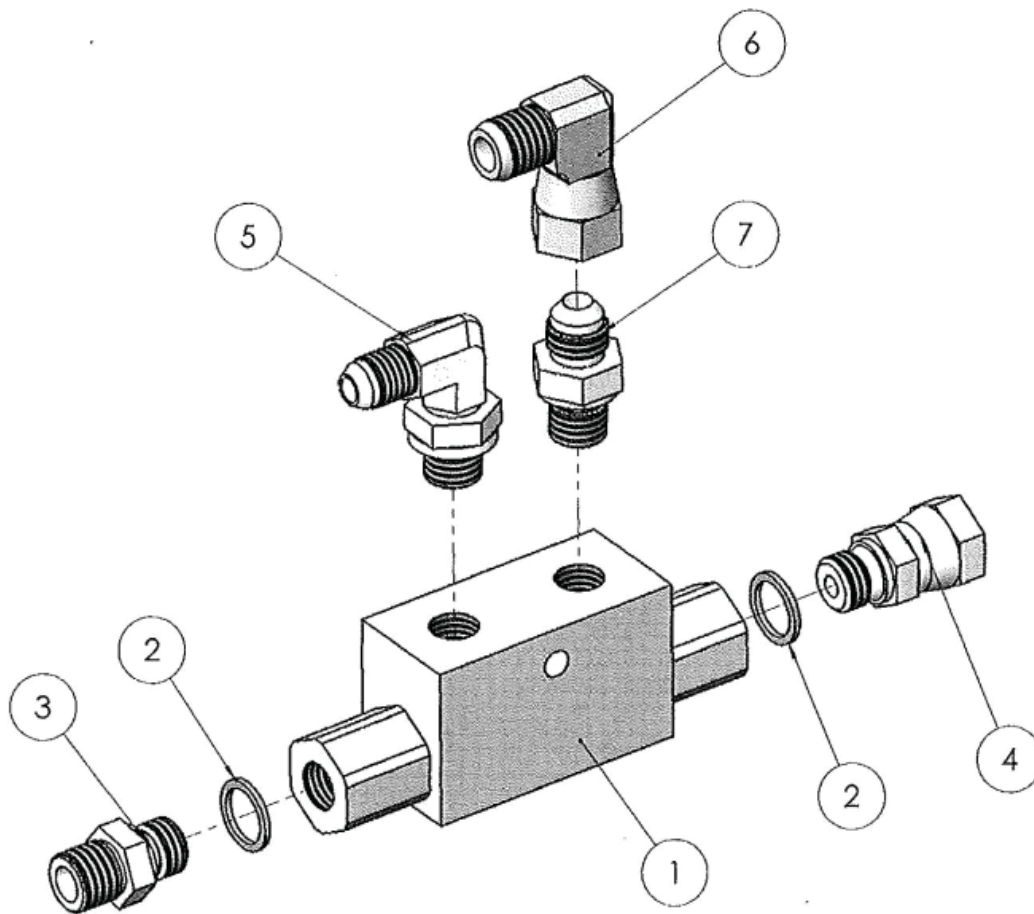


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	05019951	Cylinder Ø35-25 Stroke: 1000mm	PL 1604 - Pg 41
2	1	05009030	Angle Elbow	PL 0671 - Pg 13
3	1	00001322J	Non return Security Valve	PL 2986 - Pg 40
4	1	05007750	Union	
5	1	05019703	Tube	

4 HYDRAULICS

4.5 NON RETURN SECURITY VALVE JIC - CODE 0000 1322J

PL 2986

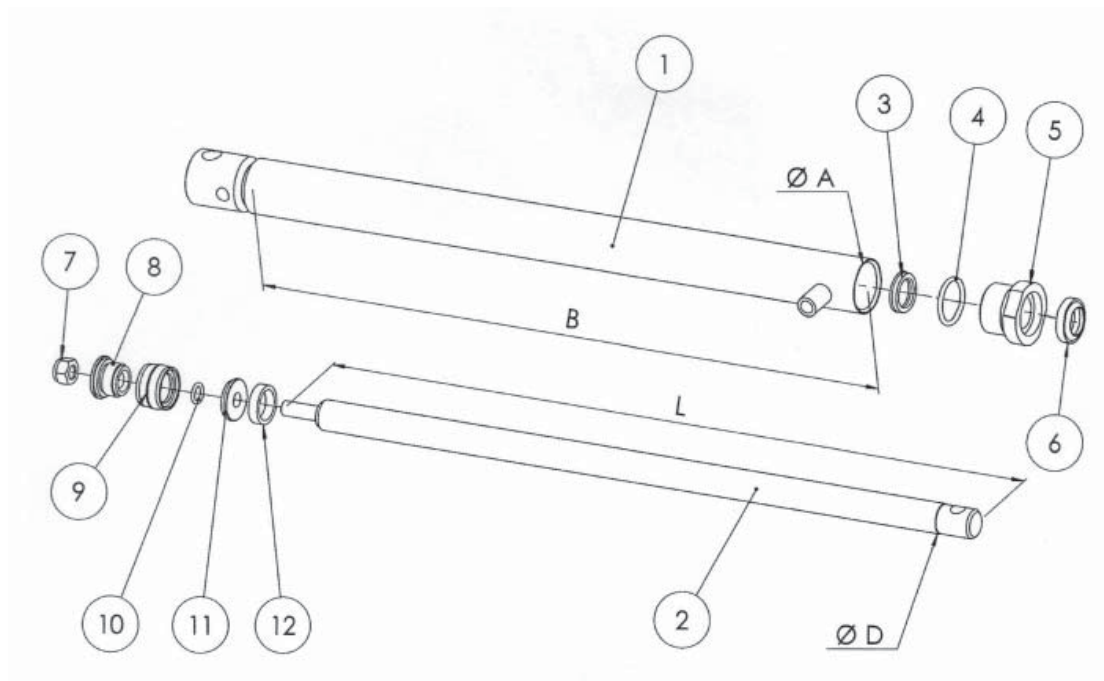


<u>REF #</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ASSY.</u>
1	1	05023307	Double Valve	
2	2	05002006	Joint	
3	1	05007767	Junction	
4	1	05006006	Adapter	
5	1	05006577	Elbow MJ 9/16 - MG 1/4 90°	
6	1	05006420	Elbow MJ 9/16 FJ 9/16 90°	
7	1	05007816	Junction MJ 9/16 MG 8/13	

4 HYDRAULICS

4.6 CYLINDER DE 35 - 25 - CODE 0501 9247

PL 1604



REF #	QTY.	PART NO.	DESCRIPTION
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1	1	05019189	Body (See Table Below)
2	1	05019463	Rod (See Table Below)
3	1	05001307	O-Ring
4	1	05000042	Rod Joint Ø25
5	1	05019117	Threaded Base
6	1	05001004	Top Rod Joint Ø25
7	1	05014300	Brake Nut M12
8	1	05019670	Half Piston
9	1	05000041	Piston Joint
10	1	05001301	O-Ring R 10
11	1	05019671	Flask
12	1	05005319	Spacing Ring

Dimensions in mm:

Cylinder:	Rod:	Body:	ØA	B	L	ØD	Stroke:
0501 9247	0501 9248	0501 9249	45	874	945	25	800

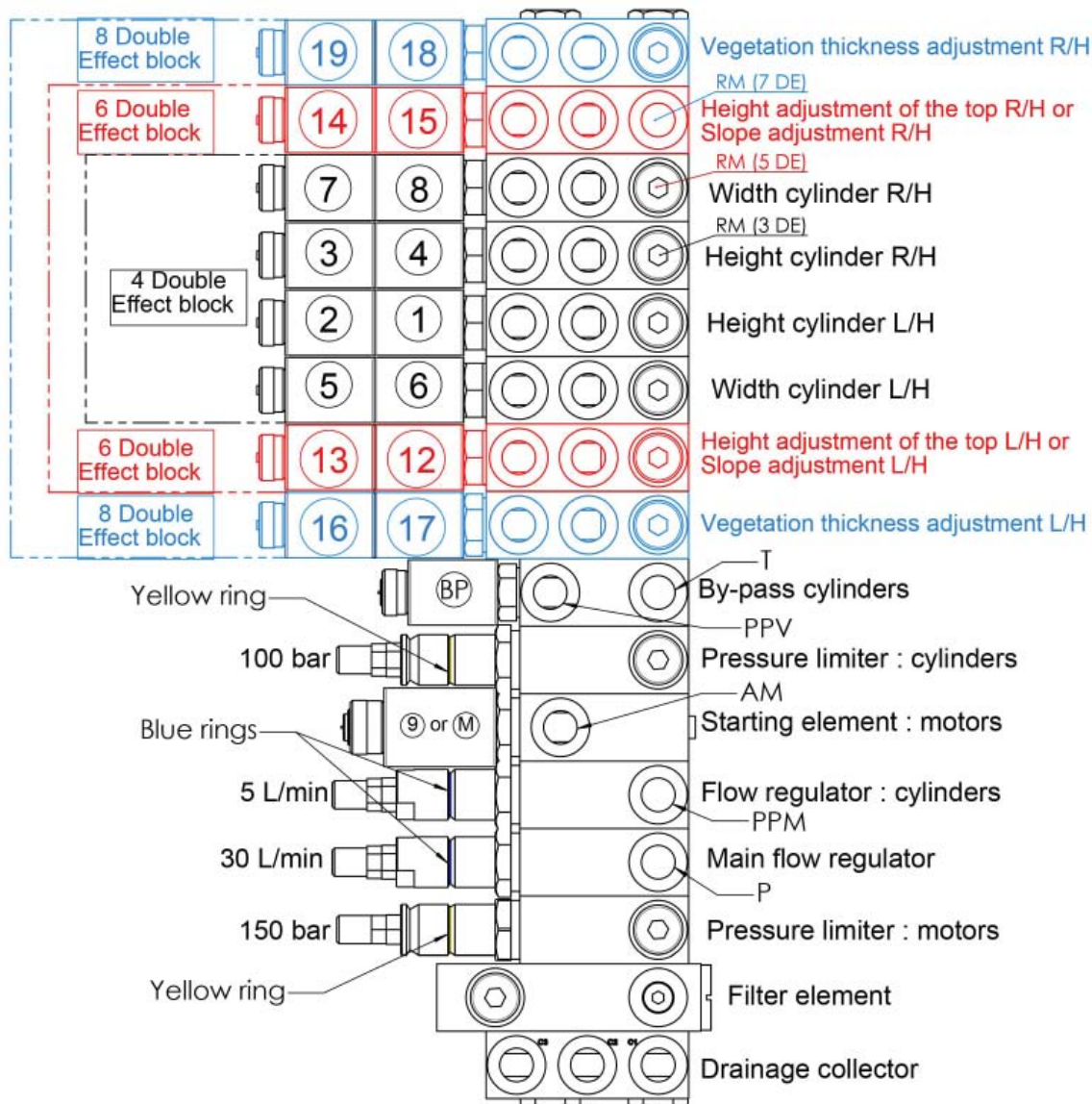
- Set of Seals: 0501 9679

ELECTRIC SYSTEM WIRING

1 simple effect + 4 double effect - Ref. : 0502 2937

1 simple effect + 6 double effect - Ref. : 0502 2939

1 simple effect + 8 double effect - Ref. : 0502 2947



P : General power (Pump)

T : Return (direct to the tank)

RM : Return of the Motors

PPV : Cylinders pressure taker

PPM : Motors pressure taker

AM : Motors supply