

# MECHlift ML 450 Bin Lifter



## Spare Parts Catalogue

- Prices 1<sup>st</sup> January 2011 -





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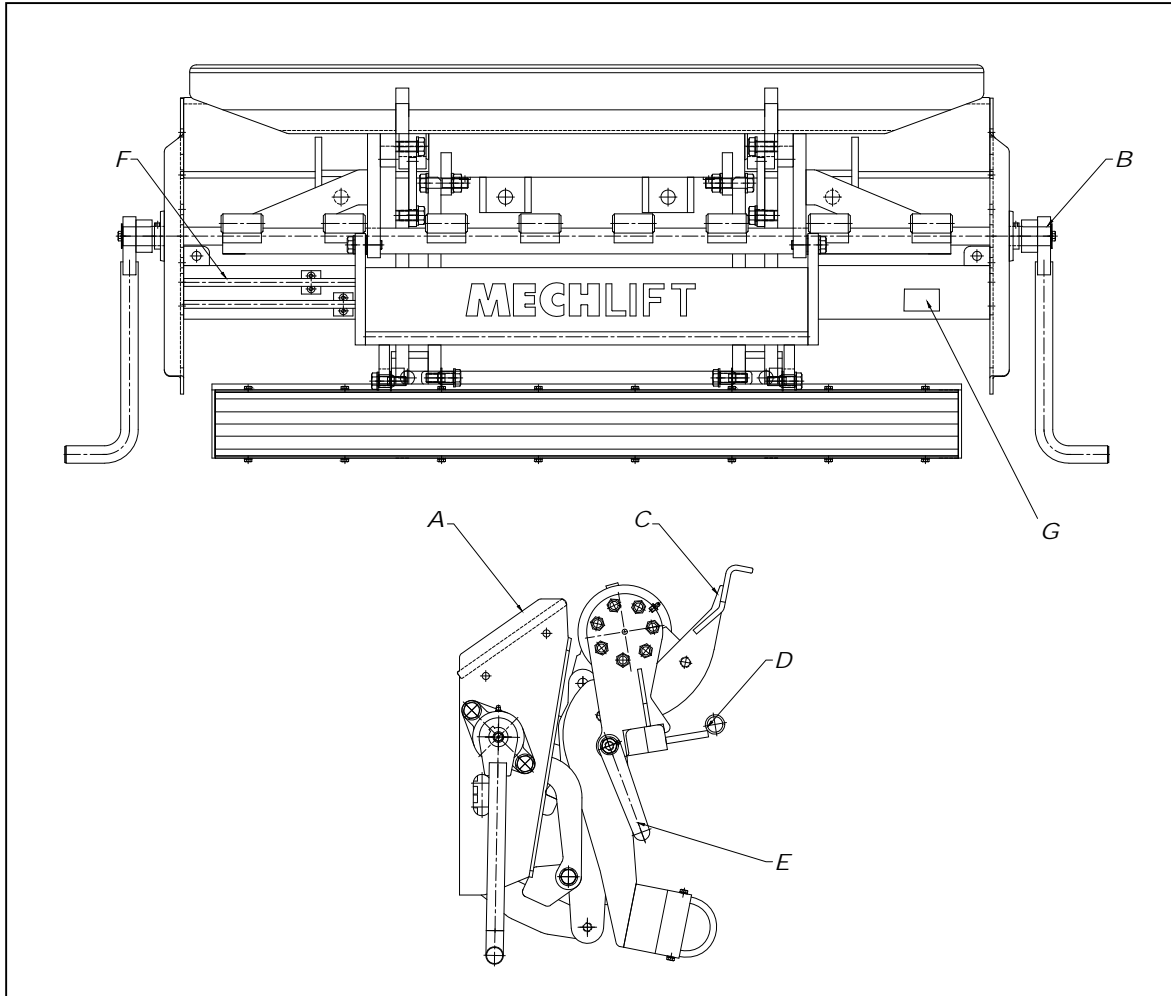
**Where to contact Mechlift? See page 19**

**Note to Partsman:**

- Always quote the Mechlift part numbers when ordering parts
- Part numbers ending in 1 usually refer to Left Hand Side parts
- Part numbers ending in 2 usually refer to Right Hand Side parts

If in doubt, please feel free to contact Mechlift, we are always willing to help (contact details on page 17)

# ML 450 BIN LIFTER ASSEMBLY

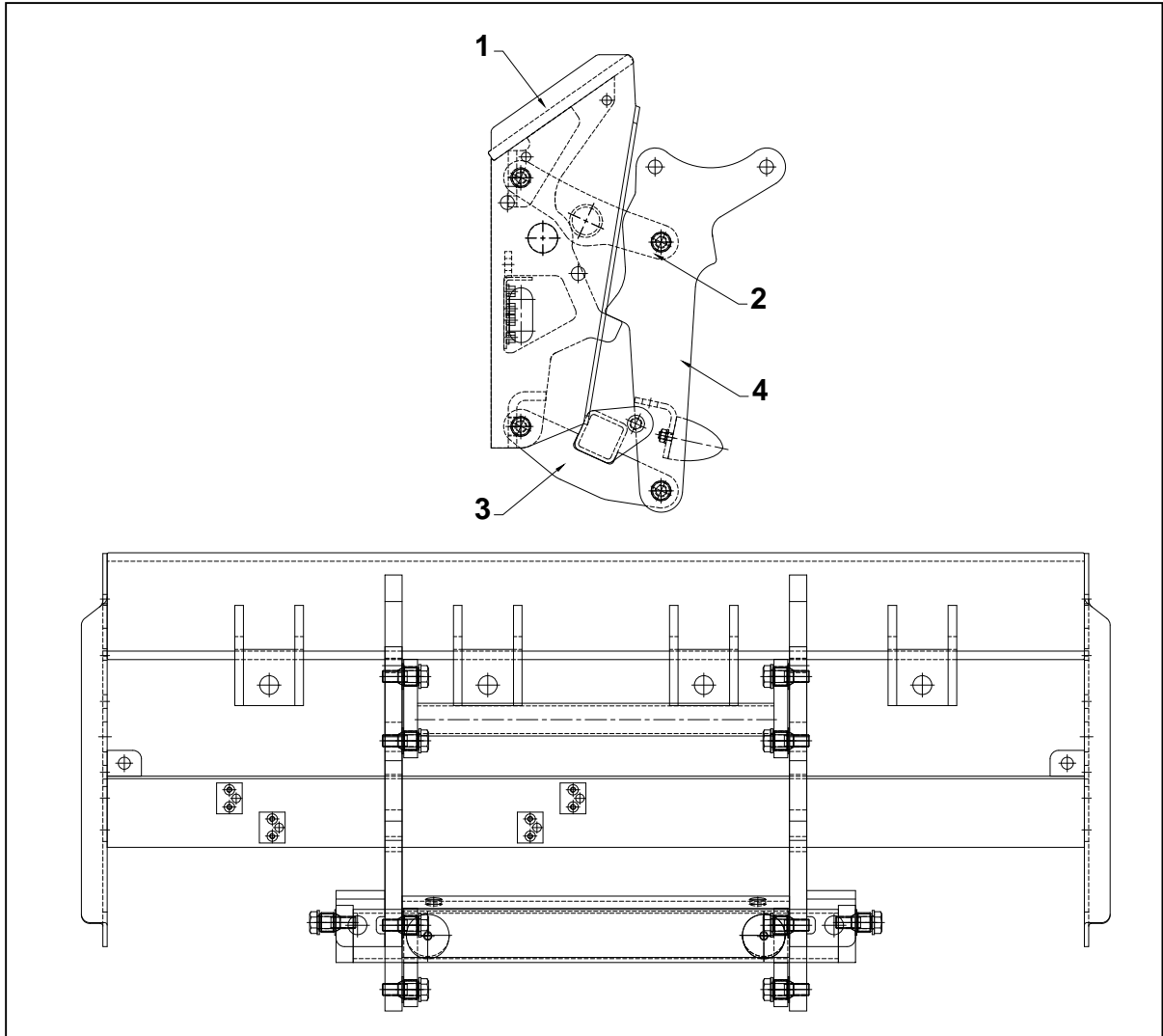


## Overview

Ref	PART
A	MAIN FRAME ASSEMBLY - includes Actuator Carriage, Upper and Lower Shackles
B	CROSS SHAFT ASSEMBLY for raising the lifter - includes handles, bearings, link plates and L Link plates
C	SWING FRAME ASSEMBLY - includes Spline Hubs & Swing Plates ( LH and RH are the identical)
D	COMB FRAME ASSEMBLY
E	OVER TIP RESTRAINER
F	HYDRAULICS -includes actuator, pipes, hoses, hydraulic fittings
G	<b>SERIAL AND MODEL NUMBERS are here.</b> ( lower right side of lifter )

# FRAME ASSEMBLY

Part Number: 45 90 000 A

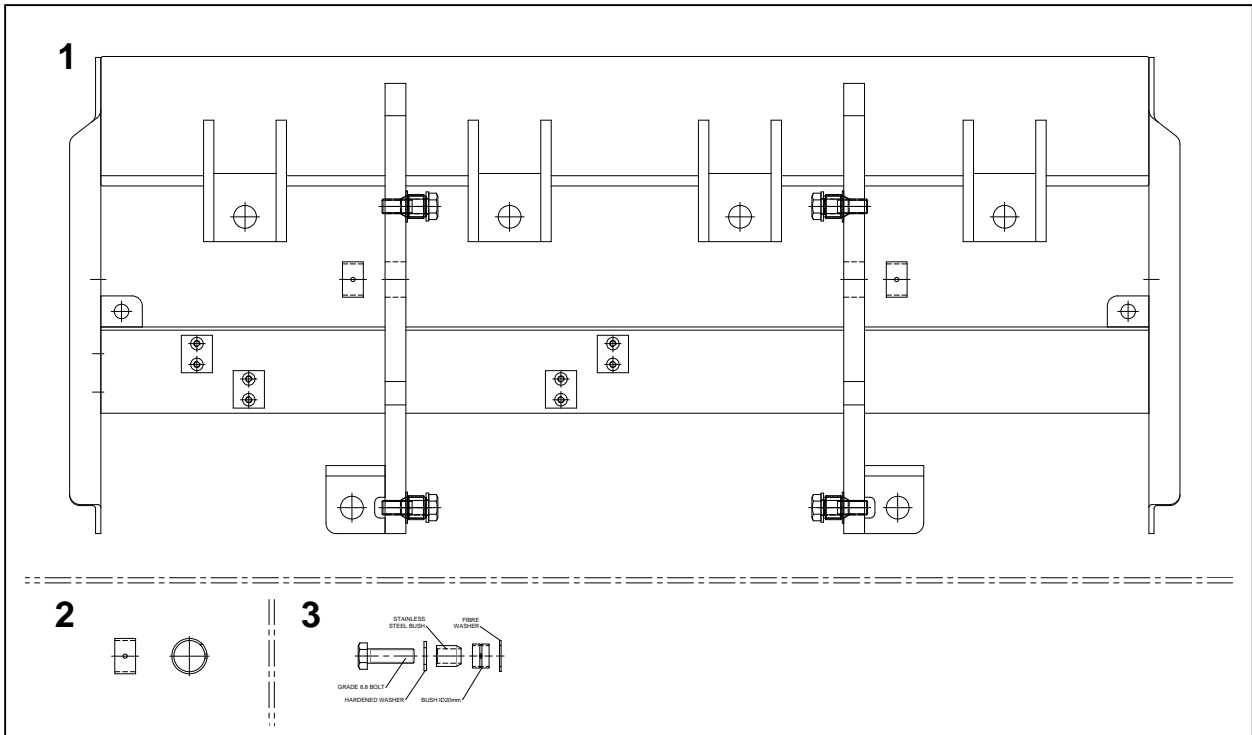


**WHAT ARE THE ABOVE PARTS CALLED? See below**

Ref	Part No.	Part
1	45 91 100 A	MAIN FRAME
2	45 41 100 A	SHACKLE UPPER ASSEMBLY
3	45 41 110 A	SHACKLE LOWER ASSEMBLY
4	45 91 200 A	ACTUATOR CARRIAGE

# MAIN FRAME ASSEMBLY

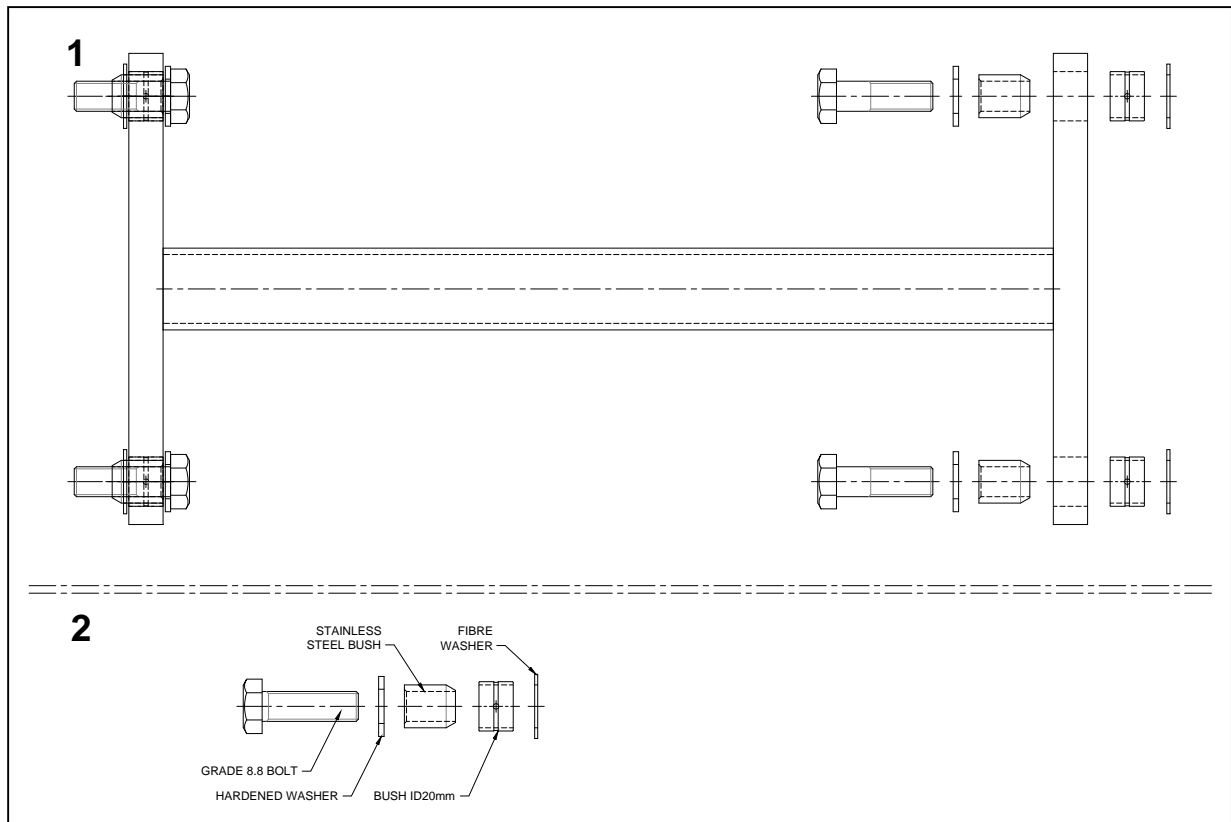
Part Number: 45 91 100 A



Block	Part No.	Part	Qty	Unit Price
1	45 91 100 A	MAIN FRAME ASSEMBLY (Includes blocks 2 & 3)	1	R7 146.30
2	BPAP3020P20	PERMAGLIDE BUSH	2	R 73.20
3	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2	R 193.40
4	07 90 104 K	JOINT SERVICE KIT (Capscrew and Nut)	2	R 199.90

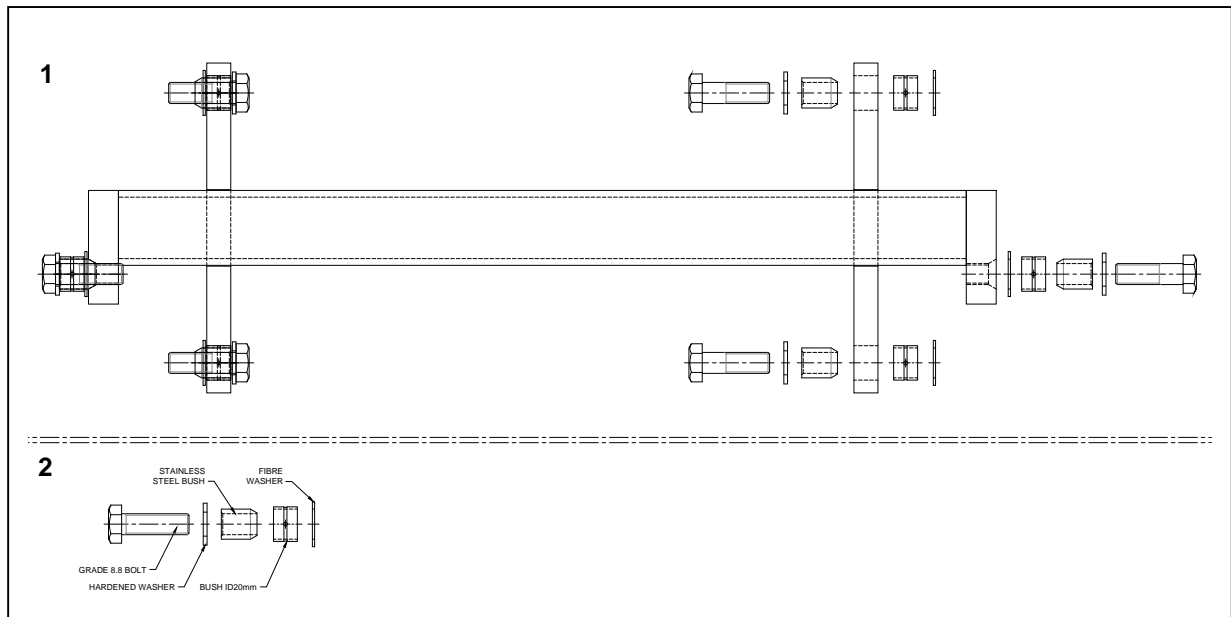
# SHACKLE UPPER ASSEMBLY

Part Number: 45 41 100 A



Block	Part No.	Part	Qty	Unit Price
1	45 41 100 A	SHACKLE UPPER ASSEMBLY (Includes block 2 + 3)	1	R2 384.50
2	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2	R 193.40
3	07 90 104 K	JOINT SERVICE KIT (Capscrew and Nut)	2	R 199.90

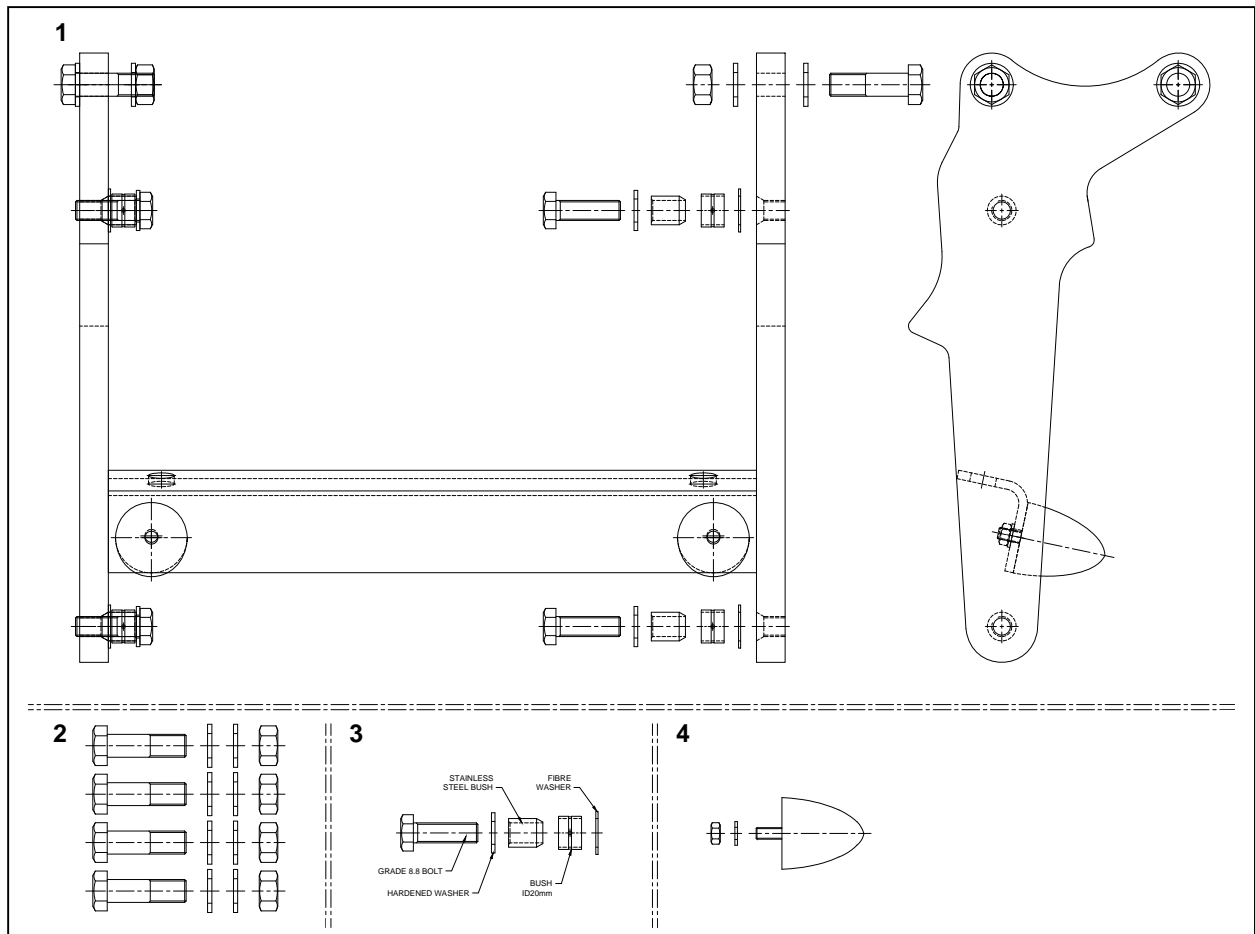
# SHACKLE LOWER ASSEMBLY



Block	Part No.	Part	Qty	Unit Price
1	45 41 110 A	SHACKLE LOWER ASSEMBLY (Includes block 2)	1	R3 541.10
2	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper NoseBush)	6	R 193.40

# ACTUATOR CARRIAGE ASSEMBLY

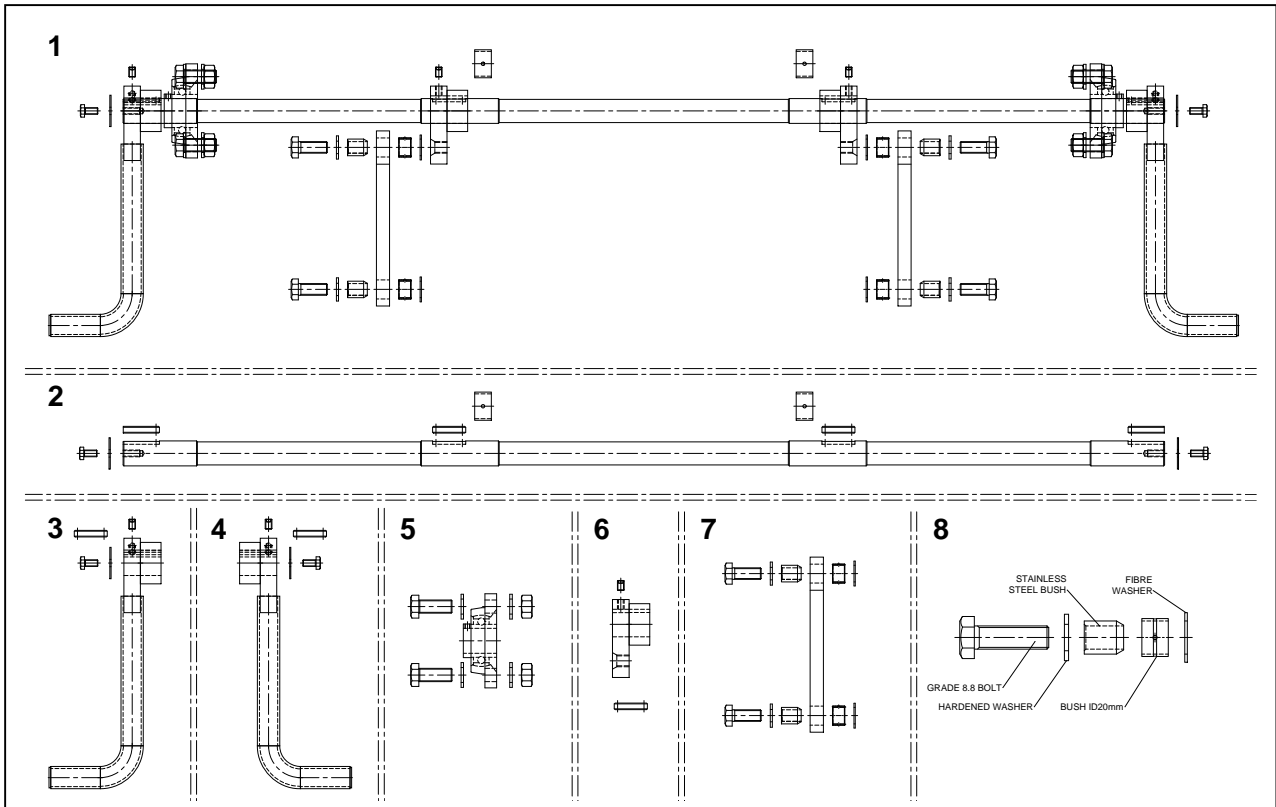
Part Number: 45 91 200 A



Block	Part No.	Part	Qty	Unit Price
1	45 91 200 A	ACTUATOR CARRIAGE ASSEMBLY (Includes blocks 2, 3, & 4)	1	R3 839.60
2	07 90 106 K	BOLT KIT – ACTUATOR	1	R 98.60
3	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2	R 193.40
4	05 10 115 K	CONICAL BUMP RUBBER KIT	2	R 145.00
5	07 90 104 K	JOINT SERVICE KIT (Capscrew and Nut)	2	R 199.90

# CROSS SHAFT ASSEMBLY

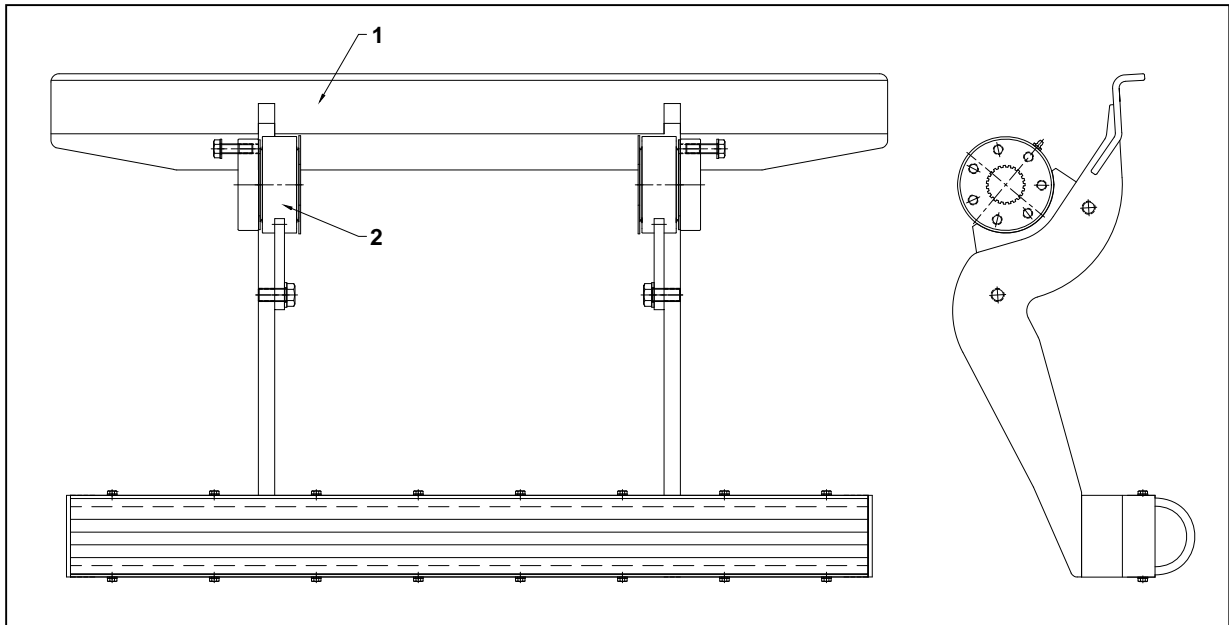
Part Number: 45 42 000 A



Block	Part No.	Part	Qty	Unit Price
1	45 42 000 A	CROSS SHAFT ASSEMBLY (includes blocks 2, 3, 4, 5, 6 & 7)	1	R5 052.25
2	45 42 103 A	CROSS SHAFT (including keys – bushes on page 8)	1	R1 604.30
3	45 42 121 A	HAND LEVER ASSEMBLY - LEFT	1	R1 553.80
4	45 42 122 A	HAND LEVER ASSEMBLY - RIGHT	1	R1 553.80
5	07 94 401 K	SHAFT BEARING KIT	2	R 221.70
6	45 42 105 A	LINK PLATE ASSEMBLY	2	R 892.40
7	45 42 115 A	L LINK ASSEMBLY	2	R 754.20
8	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	4	R 193.40

# SWING FRAME & HUB ASSEMBLY

Part Number: 45 70 000 A

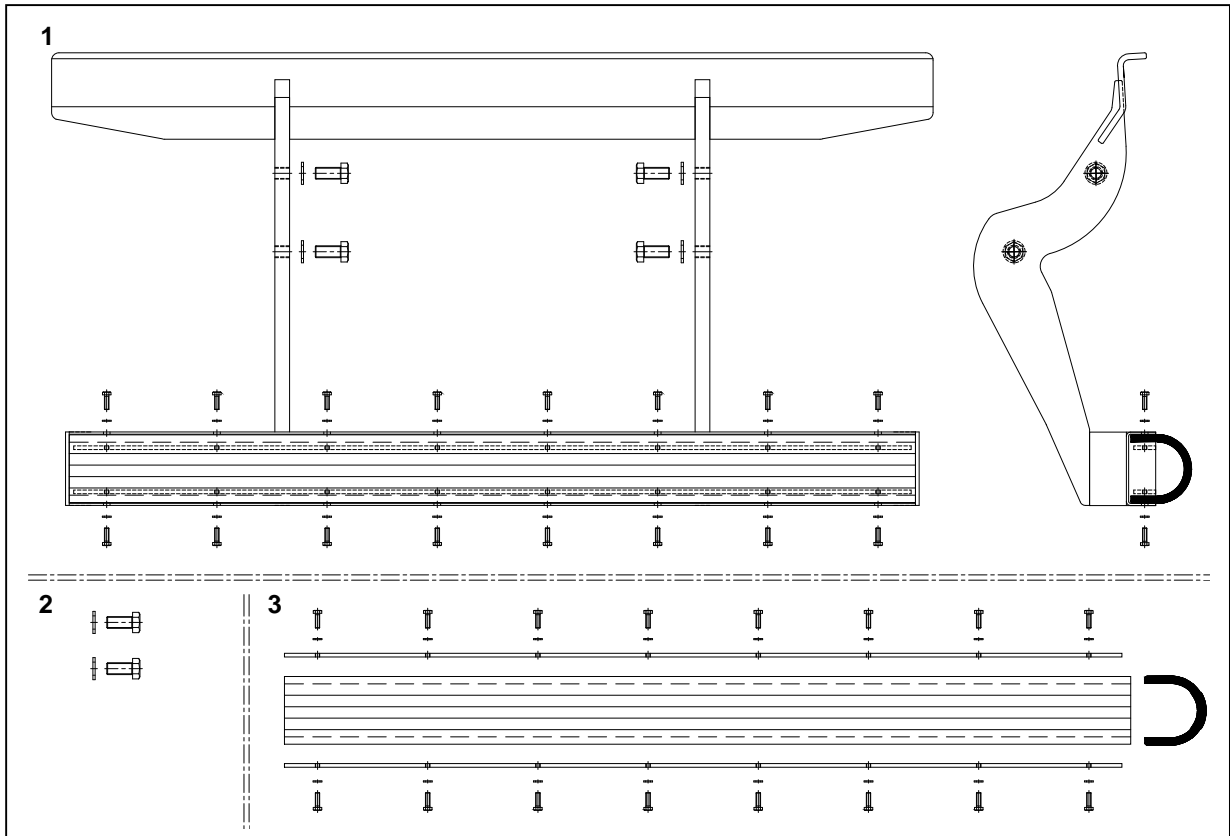


**WHAT ARE THE ABOVE PARTS CALLED? See below**

Number	Part No.	Part	Page
1	45 71 100 A	SWING FRAME ASSEMBLY	12
2	45 42 000 A	SPLINE HUB and SWING PLATE ASSEMBLY	13

# SWING FRAME ASSEMBLY

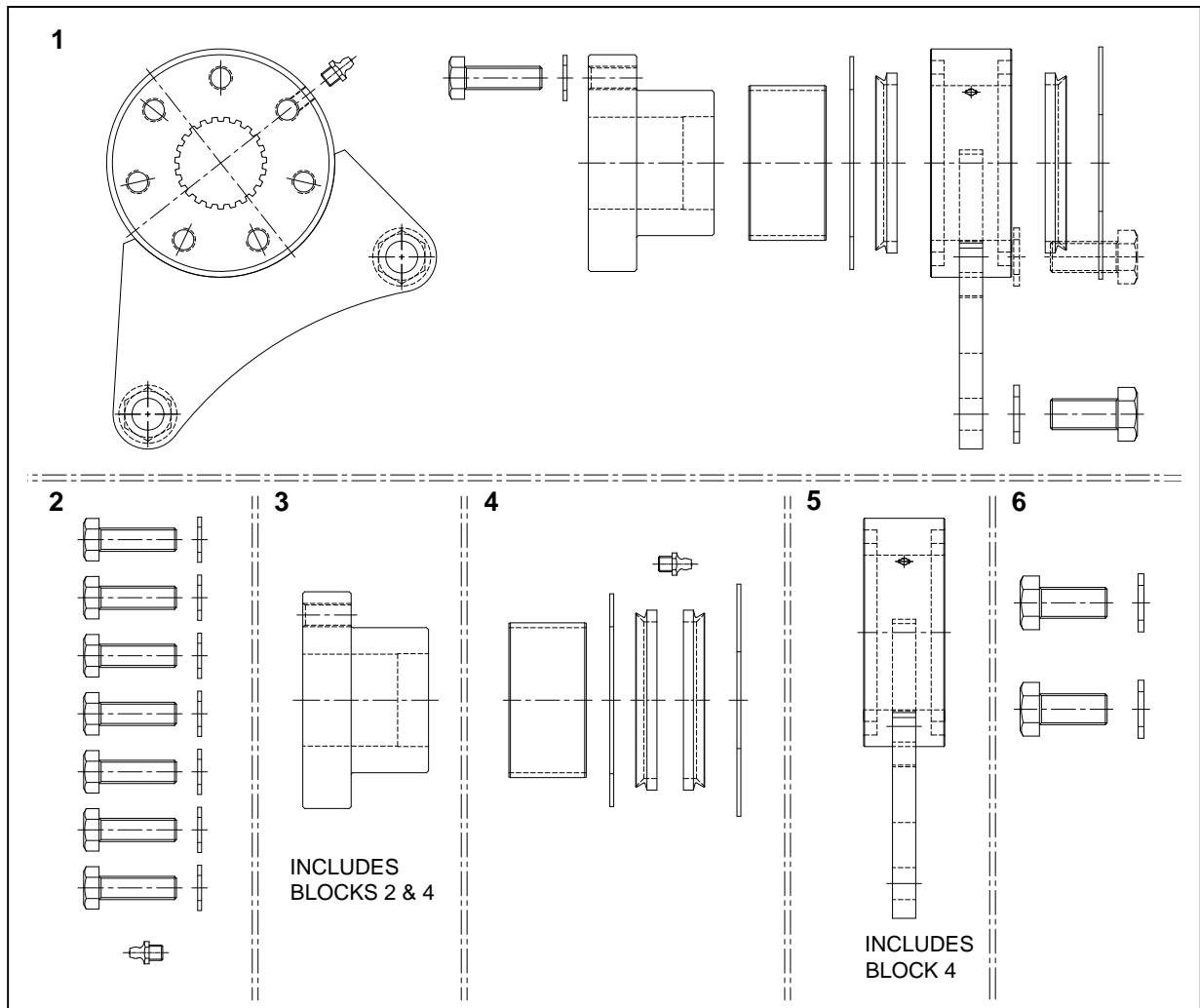
Part Number: 45 71 100 A



Block	Part No.	Part	Qty	Unit Price
1	45 71 100 A	SWING FRAME ASSEMBLY (Includes blocks 2, 3 & 4)	1	R5 932.00
2	07 90 110 K	BOLT KIT –SWING FRAME/ FULCRUM ARM	2	R 25.85
3	07 94 701 K	KIT RUBBER PUSH PAD – ML 450	1	R 868.60

# SPLINE HUB & SWING PLATE ASSY

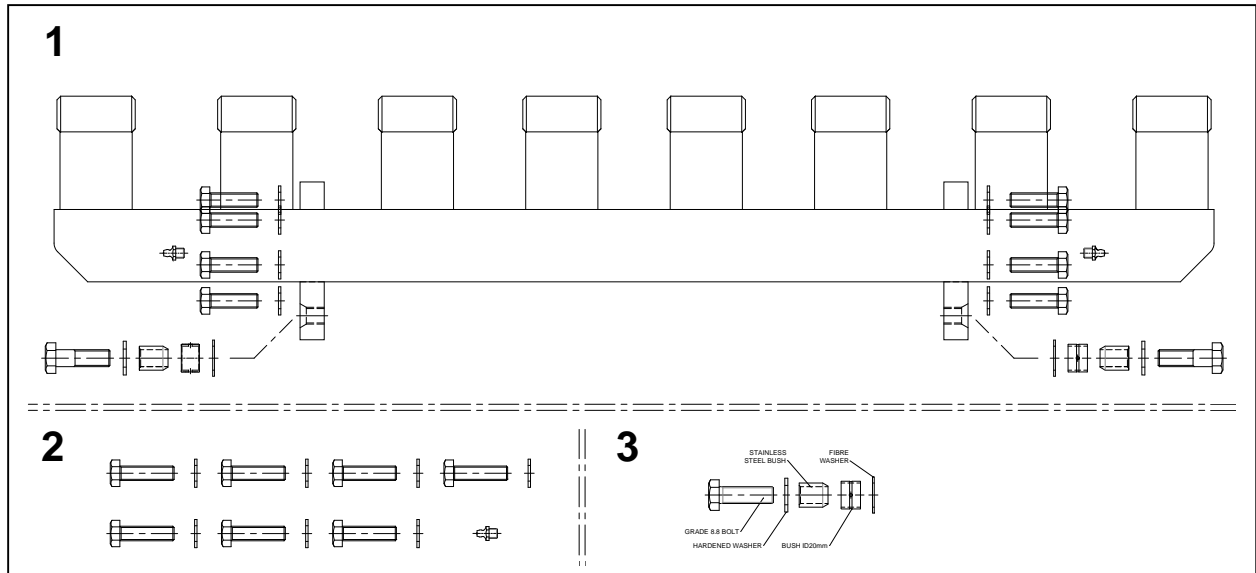
Part Number: 45 20 000 A



Block	Part No.	Part	Qty	Unit Price
1	45 20 000 A	FULCRUM HUB ASSEMBLY – LH or RH (Includes blocks 2, 3, 4, 5 & 6)	2	R3 840.00
2	07 90 111 K	BOLT KIT – FULCRUM ARM	1	R70.40
3	45 21 020 A	SPLINED HUB (Includes blocks 2 & 4)	1	R2 858.00
4	07 94 201 K	WEAR KIT – ML 450	1	R686.30
5	45 22 100 K	SWING FRAME PLATE KIT (Includes block 4)	1	R1 784.50
6	07 90 110 K	BOLT KIT – SWING FRAME/ FULCRUM ARM	1	R25.85

# COMB PLATE ASSEMBLY

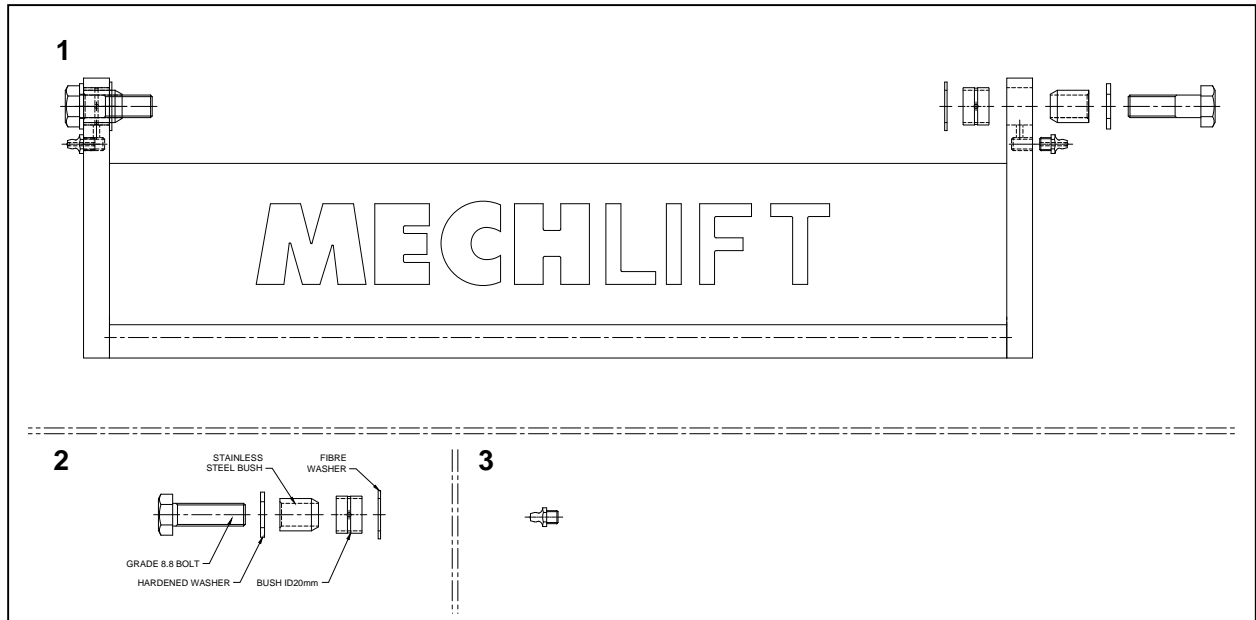
Part Number: 45 50 000 A



Block	Part No.	Part	Qty	Unit Price
1	45 50 000 A	COMB PLATE ASSEMBLY (Includes blocks 2, 3, 4 & 5)	1	R4 317.40
2	07 90 111 K	BOLT KIT – FULCRUM ARM 450	2	R70.40
3	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2	R193.40

# OVER TIP ASSEMBLY

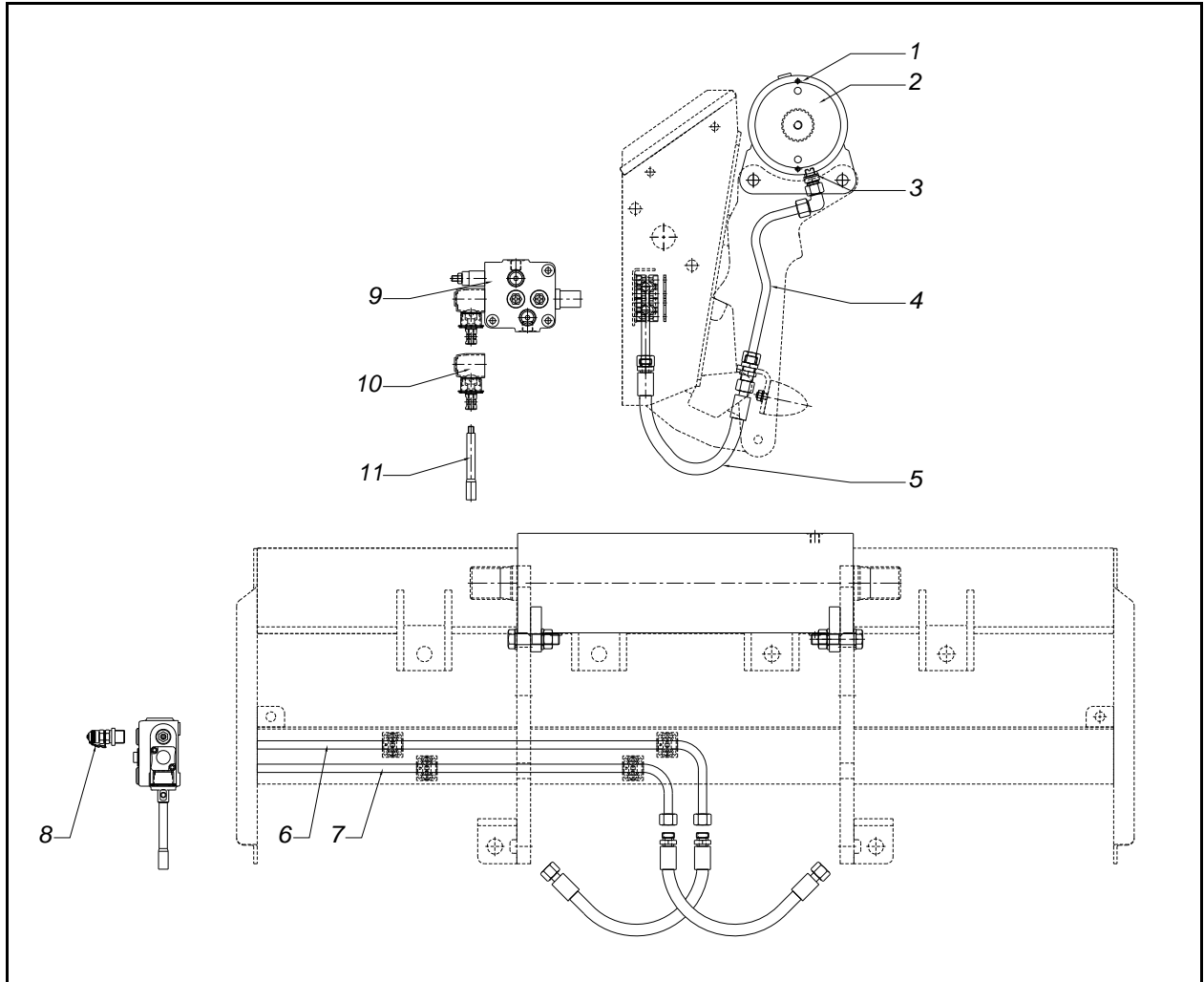
Part Number: 45 60 000 A



Block	Part No.	Part	Qty	Unit Price
1	45 60 000 A	OVER TIP ASSEMBLY (Includes blocks 2 & 3)	1	R1 880.60
2	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2	R179.10
3	MGN 08	GREASE NIPPLE M8	2	R12.00

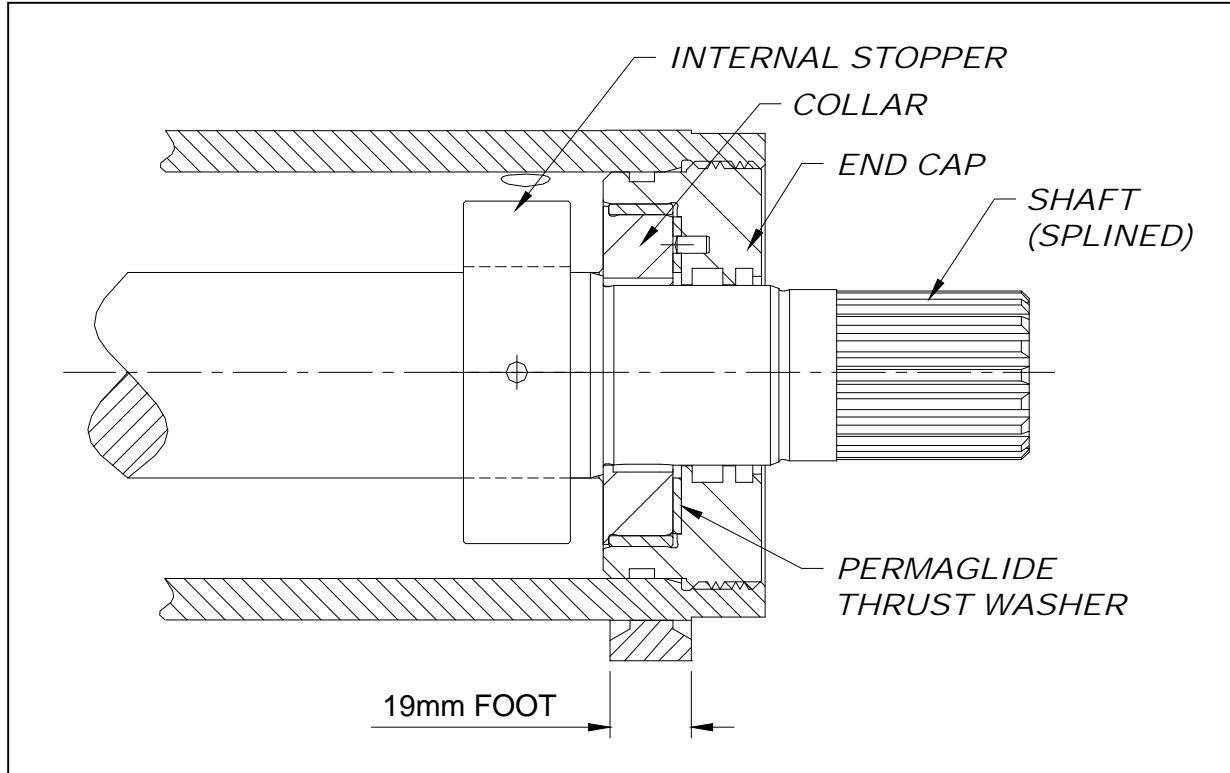
# HYDRAULIC SYSTEM

Part Number: 45 10 000 A



No.	PART No.	PART	Qty	Unit Price
1	08 10 141 X	ACTUATOR Model S2241	1	R35717.20
3	03 70 001 E	SPECIAL FITTING – ACTUATOR PORT	2	R 139.40
4	45 10 105 E	PIPE – ACTUATOR TO CARRIAGE	2	R 110.00
5	45 10 100 J	FLEXIBLE HOSES	2	R 292.05
6	45 10 103 E	PIPE - UPPER	1	R 115.00
7	45 10 104 E	PIPE - LOWER	1	R 115.00
8	HMINI 3.8	MINITEST COUPLING	1	R 222.00
9	45 10 110 A	CONTROL VALVE	1	R2 680.00
10	HV VCD BOX	LEVER BOX ASSEMBLY (shaped square)	1	R 252.00
10b	HV VCD CAP	END CAP ASSY (shaped round & spring side)	1	R 172.00
11	01 40 010 A	VALVE HANDLE	1	R 140.00

# ACTUATOR SERVICE PARTS



Part No.	Part	Qty	Unit Price
08 10 140 X	ACTUATOR Model S2241	1	R35 717.20
A SKH22 000	SEAL & BRG KIT – For full overhaul (Genuine OEM) (includes stopper , thrust washers and seals)	1	R5 361.45
A SKH22 300	SEAL KIT – End cap side only (Genuine OEM) (includes wiper, seal, o’ring, backup ring)	2	R 862.40
06 10 241 T	ACTUATOR INTERNAL STOPPER <b>(use only genuine OEM part)</b>	1	R 411.75
BPAW 62 P10	THRUST WASHER	2	R409.60
--	SHAFT – EURO S2241 (ex works only)	1	POA
--	COLLAR ( only sold as part of End Cap below )	2	--
08 10 144 X EC	END CAP Complete with collar, seals, thrust washer	2	R4 445.00

***NB***

Observe internal timing marks ***BEFORE*** pulling piston and shaft from barrel

**Make your notes below**



# Contact information:

Please feel free to contact us should you have any queries or need any further information:

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***Please Note:***

This spare parts book is valid for the period: **1<sup>st</sup> January 2011 till 31<sup>st</sup> December 2011.**

The given price reflects the price for each unit, part or kit, some assemblies may require more than one of the same unit, part or kit.

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