

HYDRAULIC CRANES

Models

550s

700s

1000s

1500s

THE AUSTRALIAN
LIFTING SOLUTION



Operators and Spare Parts Manual

Crane/Owner Details

Name: _____

Address: _____

Telephone: _____

Date Purchased: _____

Supplier Details

Supplier Name: _____

Address: _____

Telephone: _____

ABN: _____

Crane Details

Make and Model : _____

Serial Number: _____

Date Manufactured: _____

Design Code: _____

Asset/Fleet Number (if applicable): _____

Options Fitted: _____

Manufacturer Information

Kevrek (Australia) Pty Ltd
152-156 Beringarra Avenue
MALAGA WA 6090
Phone : 08 9248 5922
ACN: 066 145 159
ABN: 83 066 145 159

All Kevrek Cranes are covered by a 2 year warranty from the date of purchase for electrical and hydraulic and 5 year limited warranty for structural.

Please read and understand Operator and Safety Instructions supplied in this Manual before attempting to operate this Crane.

Table Of Contents

Model Description and Options

700 Series	4
1000/1500 Series	5

Safety Instructions 6

Operating Instructions

General Operation	7
Hydraulic Boom Sequence	8
Hydraulic Winch	9

Maintenance and Care 10

Trouble Shooting 11

Installation Instructions 12-13

Slew Stop Adjustment 14

Technical Specifications

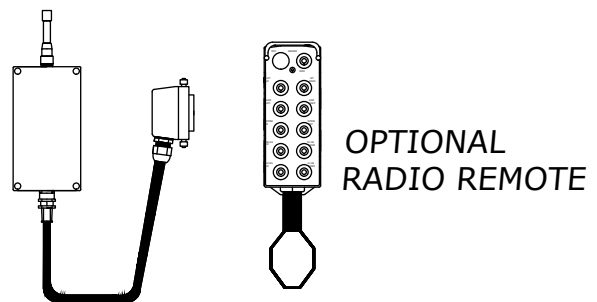
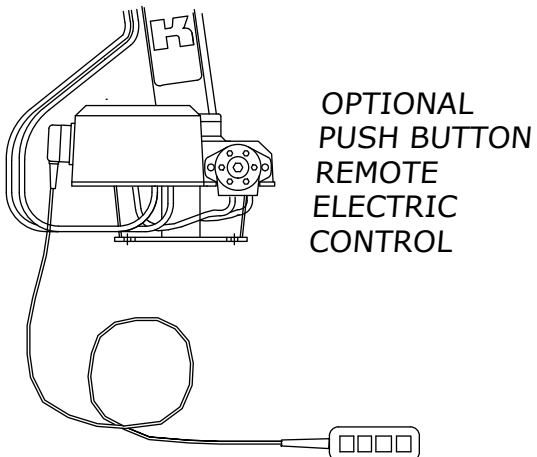
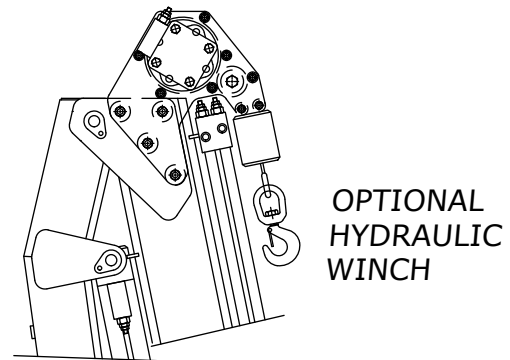
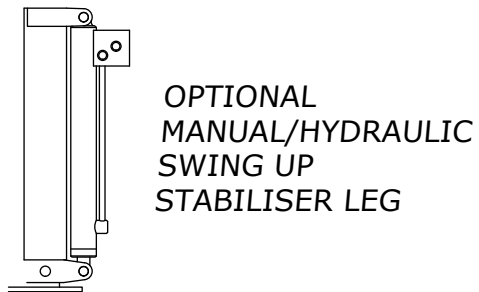
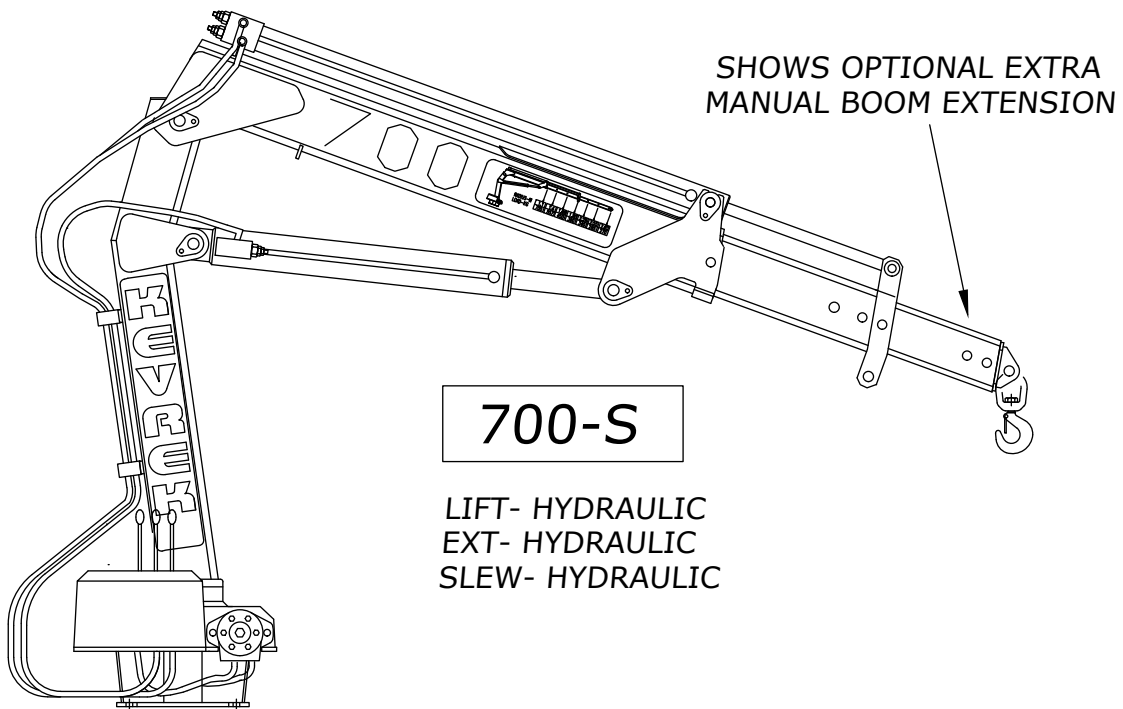
550 Series	15
700 Series	16-17
1000 Series	18-19
1500 Series	20-23

Electric and Hydraulic Schematic

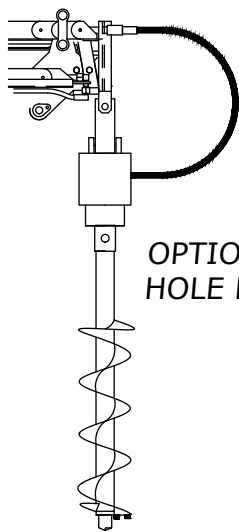
550 Series	24
700/1000/1500 Series	25

Spare Parts Breakdown

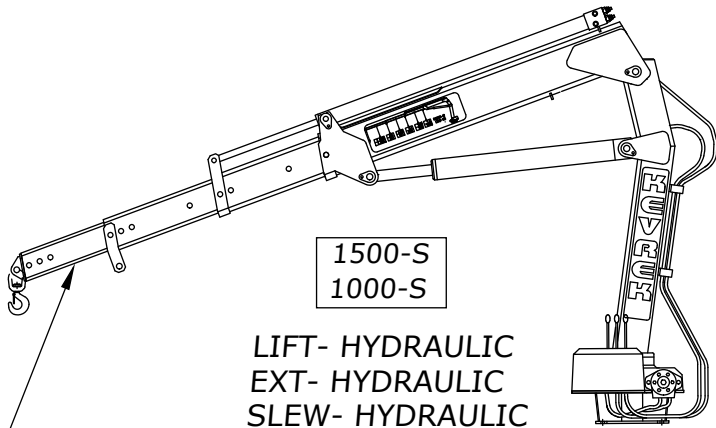
Slew Base - All Models	26
Slew Base - 1500 Series	27
Hydraulic Control Valve - All Models	28
Main Post - All Models	29
Main Booms - 700/1000/1500	30
Main Booms - 550	31
2nd Boom - All Models	32
3rd Boom - All Models	33
Optional Pin Boom - All Models	34
Main Lift Cylinder - All Models	35
Hydraulic Extension Cylinder - All Models	36
1.5 Tonne Safety Hook - All Models	37
Leg and Motor Mounts - 550/700/1000 and 1500 Series	38
Under Body Mounting Frame 550/700/1000 and 1500 Series	39
Manual Stabiliser Leg - All Models	40
DC Power Pack - 550/700/1000 Series	41
DC Power Pack - 1500 Series	42
Hydraulic Hoses All Models	43
Hydraulic Hose Accessories - All Models	44
Dual Hydraulic Mountings - 1000/1500 Series	45
Hydraulic Winch - All Models	46
Hydraulic Winch -Anti Two Block Kit (Mechanical and Work Lights)	47
Swing Up Extending Hydraulic and Manual Leg - All Models	48
Stabiliser Leg Monitoring System/Load Limiter - 1500 Series	49
3 Function 2 Speed Electric Valve - All Models	50
3 Function 2 Speed Electric Pendant - All Models	51
4 Function 2 Speed Electric Valve - All Models	52
4 Function 2 Speed Electric Pendant - All Models	53
5 Function 2 Speed Electric Valve - All Models	54
5 Function 2 Speed Electric Pendant - All Models	55
240v-415v Pump Unit - All Models	56
Load Limiter K1500 - 3 Sensors	57
Load Limiter K1000/1500 - 1 Sensor	58
Load Indicators - All Models	59
Pole Grab -1000/1500 Series	60
Post Hole Borer - 1000/1500 Series.....	61
Radio Remote Control	62

700 Series

1000/1500 Series



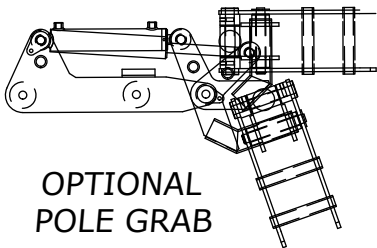
OPTIONAL POST
HOLE BORER



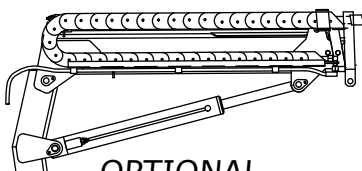
1500-S
1000-S

LIFT- HYDRAULIC
EXT- HYDRAULIC
SLEW- HYDRAULIC

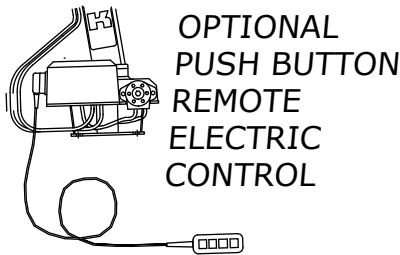
SHOWS OPTIONAL EXTRA
MANUAL BOOM EXTENSION



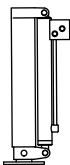
OPTIONAL
POLE GRAB



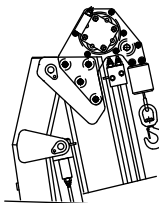
OPTIONAL
HOSE DRAG
SYSTEM



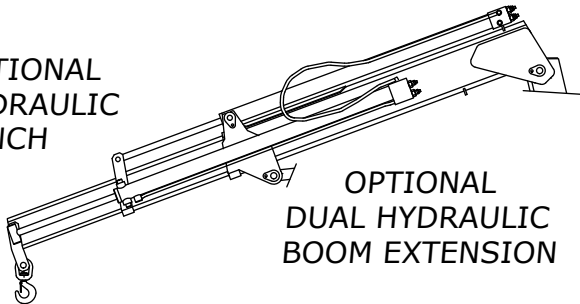
OPTIONAL
PUSH BUTTON
REMOTE
ELECTRIC
CONTROL



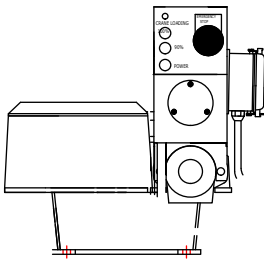
OPTIONAL
MANUAL/HYDRAULIC
SWING UP
STABILISER LEG



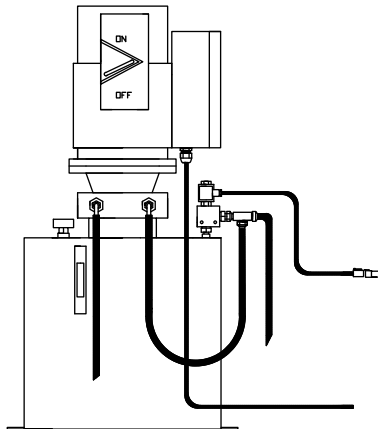
OPTIONAL
HYDRAULIC
WINCH



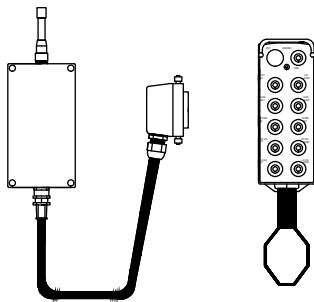
OPTIONAL
DUAL HYDRAULIC
BOOM EXTENSION



OPTIONAL LOAD
LIMITER



OPTIONAL 240V OR
415V AC PUMP UNIT



OPTIONAL
RADIO REMOTE

Introduction

This Manual will assist you in the Installation, Operation and Maintenance of the Kevrek Crane. The Manual does not replace any government regulations, safety codes or insurance requirements.

DO NOT modify the Crane with anything other than genuine Kevrek spare parts. If in doubt, please contact your nearest Kevrek Dealer. NEVER alter or modify any Kevrek Safety Device. All Kevrek Safety Devices must be inspected, tested and maintained in proper working condition.

The owner of the Kevrek Crane is responsible for the maintenance and operation of the Crane in the safest working condition. Kevrek recommend that a complete service is carried out by a qualified Kevrek Service Agent, after first 6 months of operation and thereafter every 12 months. Failure to do so could result in the warranty to be void.

The Warranty on the Kevrek Crane will be void on any part of the unit that has been subjected to misuse due to overloading, abuse, lack of maintenance, incorrect operation or unauthorized modifications.

Safety Instructions

READ AND UNDERSTAND SAFETY INSTRUCTIONS BEFORE USING THIS CRANE

- * Ensure vehicle is on secure ground and vehicle parking brake is engaged prior to operating Crane.
- * NEVER operate the Crane on unlevel ground (up to 5° incline)
- * NEVER operate the Crane without the **Stabiliser Leg or Leg's in position on firm ground.**
If ground below Stabiliser Leg is not firm, place wooden or steel planks under leg to stop leg from sinking into the ground under weight.
- * The Stabiliser Leg must not be adjusted while load is supported by the Crane.
- * NEVER stand under a load when suspended from the Crane.
- * When driving vehicle always ensure Crane is in the folded transport position.
- * NEVER drive with load suspended from Crane, or with Boom extended.
- * NEVER modify the Crane in any way.
- * NEVER use the Crane for pulling or towing the load.
- * ALWAYS ensure load is lifted clear of ground before attempting to slew.
- * NEVER drag load along ground by slew mechanism.
- * NEVER operate the Crane under or near overhead Electrical Wires.
- * Observe the Load Chart affixed to both sides of the Crane and NEVER exceed or overload the Crane.
The Kevrek Load chart must be kept in a clean and legible manner at all times.
- * NEVER position yourself between vehicle and suspended load.
- * NEVER continue operating the unit with low vehicle battery power supply, low DC Power Pack, oil level or with worn or faulty components.
- * ALWAYS use genuine Kevrek spare parts as failure to do so could cause warranty to be void
- * Consult your Kevrek dealer for repair or maintenance work required.

ALWAYS PUT SAFETY FIRST

Operating Instructions

READ AND UNDERSTAND OPERATOR INSTRUCTIONS BEFORE USING THIS CRANE

1. Ensure vehicle is on secure ground and vehicle parking brake is engaged
2. Remove Manual Stabiliser Leg from Transport Mount and insert into Underbody Mount.
3. Lower leg onto firm ground via pin adjustment and final screw down adjustment.
4. Turn Battery Isolator Key **clockwise** to the ON position.

Your Kevrek Crane is now powered ready for work.

5. Operate Lever in-line with function required.

The Hydraulic Control Lever Console at the base of the Crane is labelled for each function.

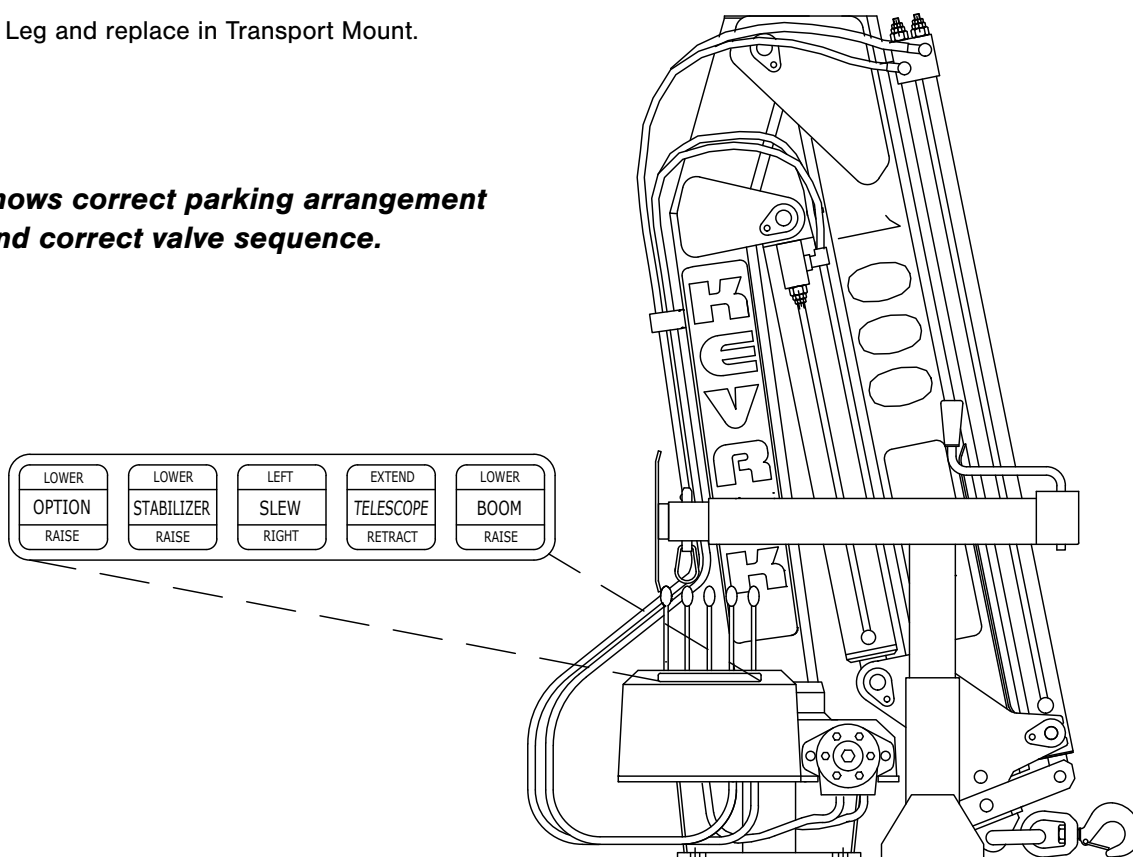
When activating the required Valve Lever on the Control Console the first 5° of Lever movement serves to start the Motor of the Electric Power Pack. All progressive Lever movement from this point will result in a progressively faster hydraulic movement.

6. Where Boom Extension function is not Hydraulic, i.e. Manual Pinned, ensure the Boom is pinned at the correct length prior to lifting load.

NOTE: NEVER adjust Manual Boom while load is suspended.

7. Where the slewing function is not Hydraulic, i.e.-Manual Crank, place the Crank Handle in the Slew Housing at the base of the Crane and crank manually clockwise or counter clockwise as desired.
8. If you do not know the weight of your load, pick it up from the shortest reach possible and NEVER extend with the possibility of overloading the Crane.
9. On completion of loading, return Crane into correct transport position.
10. Turn Battery Isolator Key **anti clockwise** to the OFF position.
11. Raise Stabiliser Leg and replace in Transport Mount.

Diagram shows correct parking arrangement of Crane and correct valve sequence.



Operating Instructions

Hydraulic Boom Sequence

When operating a Kevrek Crane ALWAYS use the shortest possible Boom Extension, however, when it is necessary to extend the Crane Booms to obtain longer reach, do so by always using the largest Boom section then the next largest and so on in logical sequence as shown below.

Cranes fitted with Dual Hydraulic Extension Booms, have Sequencing Valves present, however, if in the course of operation the Boom starts to operate out of sequence then return the Crane to your local Kevrek Dealer to have the appropriate adjustments made.

Diagram below shows CORRECT operational sequence of the Crane Extension Boom sections.

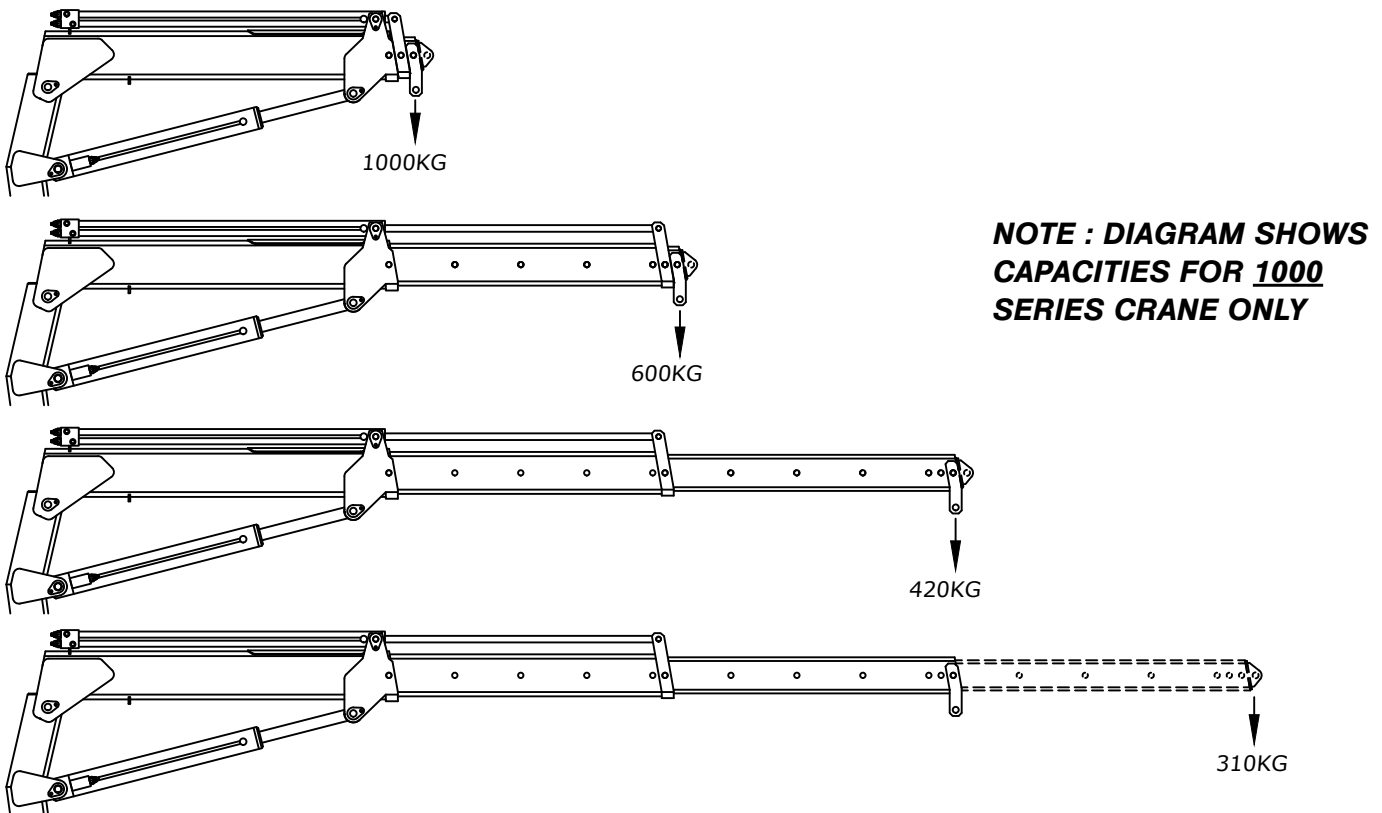
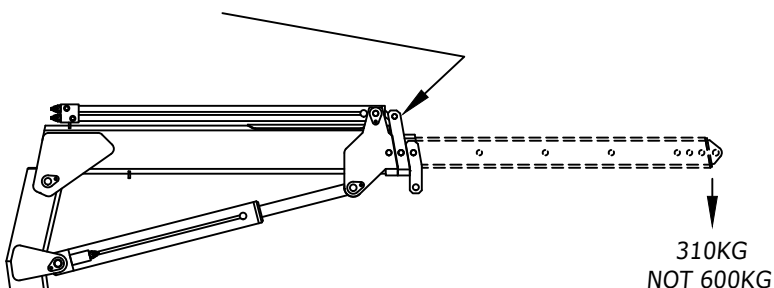


Diagram below shows INCORRECT operational sequence of the Crane Extension Boom sections.

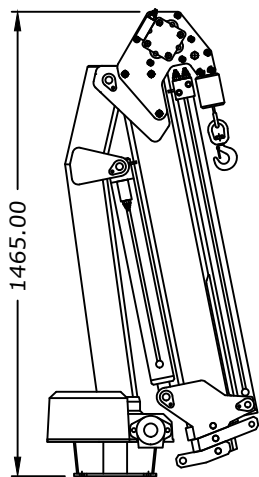
WHEN LOADING AT THIS RADIUS, THE FIRST EXTENSION SECTION SHOULD BE USED.



NOTE : DIAGRAM SHOWS CAPACITIES FOR 1000 SERIES CRANE ONLY

Operating Instructions Hydraulic Winch

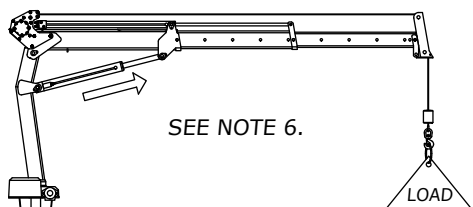
READ IN CONJUNCTION WITH CRANE OPERATING INSTRUCTIONS PAGE 8
3 WRAPS OF WIRE MUST ALWAYS REMAIN ON THE WINCH DRUM
NEVER LET THE WINCH ROPE OUT COMPLETELY



1. Raise Main Boom of Crane and Pin Sheave Block Assembly to end of Boom.
2. Run Winch Rope out past Sheave Block Assembly and lay Rope into Sheave Rollers.
3. Install Rope Retaining Pin.
4. Winch Rope must now be lowered down to enable Crane Boom to be extended to required length.

The Hydraulic Winch has a maximum lift capacity of 500kg constant line pull, this should be observed when operating the Winch at full Crane Boom Extension.
5. When operating Winch ensure Crane load capacity stated on both sides of Main Boom is not exceeded.
6. If weight of load being lifted is not known, first take up rope slack with Winch, then test lift with main boom cylinder. **If Main Boom Cylinder will not lift weight, DO NOT proceed to winch as this will overload the Crane.** If this occurs retract Extension Booms until the Main Boom Lift Cylinder will lift the weight, then winching can proceed.
7. Before slewing Crane, ensure load is clear off ground.
8. On completion of loading, remove Sheave Block, retract Winch Rope and return Crane into the transport position.

The Winch is designed for vertical lifting only, and SHOULD NOT be used for towing or dragging of weight.



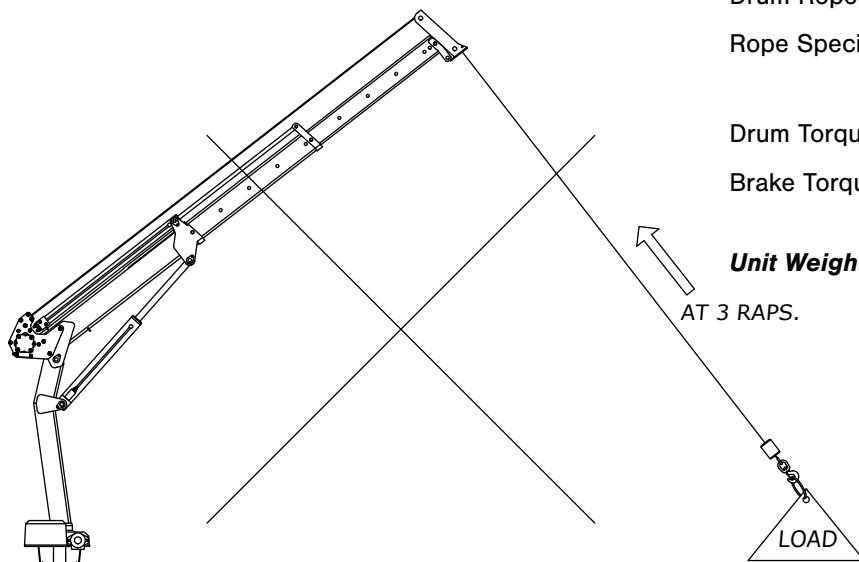
WINCH SPECIFICATIONS

Line Pull – 575kg 1st Rap
 545kg 2nd Rap
 515kg 3rd Rap

Line Speed Unloaded – 6.9 > 7.6 meters P/MIN
 Line Speed Loaded – 5.9 > 6.5 meters P/MIN

Drum Rope Capacity – 15 meters in 3 raps.
 Rope Specification – 5mm 7 x 19 92070
 Galvanised Wire Core

Drum Torque – 600nm
 Brake Torque – 430nm static, 700kg loaded at 3 raps.



Maintenance and Care

As the owner of a Kevrek Crane, you can expect it to continue operating safely and reliably for many years. This statement and our warranty however presupposes that the crane will be subjected to regular inspection and preventative and service maintenance.

The objective of periodic inspection is to ensure the serviceability and safe operation of the crane. Recording of information will provide a history of the crane's condition from the inspection reports, maintenance and any repairs carried out in accordance with Kevrek's recommendations and proceeding. A record of the quarterly inspections and annual servicing is required and relevant information originating from each inspection and service..

It is recommended that a Complete service is carried out by a qualified Kevrek service agent after the first 6 months of operation and thereafter every 12 months.

Weekly Inspection

- * Check oil level in Hydraulic Oil Tank.
- * Check Battery Isolator Key is functional.
- * Check Valve and Microswitches. Start Electric Motor when lever is moved and stop Motor when lever is returned to neutral.
- * Check the rest of the Crane for damage.
- * Repair immediately any component on the Crane that is damaged.

Inspection and Maintenance Every 3 Months

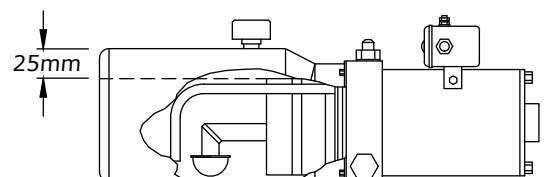
- * Remove Console Cover and inspect Slew Worm for excessive wear or movement. Replace or tighten as necessary, clean off old grease and apply fresh grease.
- * Check Valve Lead Seal is in place.
- * Check Hose Connections under Valve and tighten if necessary.
- * Check and tighten Hydraulic Connections around Power Pack and around Crane, Leg and Slew Motor.
- * Check Safety Latch on hook and general condition of other lifting tackle that is used.
- * Check all Notices, Load Chart Stickers and Valve Lever Stickers are in place and legible.
- * Check Mounting Bolts and structural integrity of Mounting Frame.
- * Carry out visual inspection of structural parts to detect any cracks or deformation.
- * Inspect nylon wear buttons between Boom sections for excessive wear and replace if necessary.
- * Check oil level in Hydraulic Oil Tank.
- * Lubricate contact areas and the top and Bottom of the Booms with heavy, good quality grease.
- * Put Crane through full capacity Load Test and listen for any suspicious noises or excessive play in pivot points.

Hydraulic Oil Maintenance

The oil level in the Power Pack of your Kevrek Crane should be checked with the Crane in the fully folded position and should be at the level indicated in the diagram.

Hydraulic oil should be changed every 12 months. ***Use only fresh High Quality 46 WEIGHT Hydraulic Oil.***

Remove Power Pack front cover every six months to inspect Motor Brushes. Install new Brushes if necessary and re-install front cover securely.



Trouble Shooting

Crane will operate but Hydraulic action is slow and jerky:

- * Check oil in Power Pack oil tank - top up if necessary.
- * Check oil tank for contamination and possible contaminants in Control Valve or Load Holding Valves.
- * Drain complete Hydraulic system.
- * After reassembly be sure to bleed all Hydraulic functions free of air.
- * Check Suction Filter is clean.

Isolator Key Is on but Crane will not run:

- * Check Emergency Stop is not pushed in.
- * Check 5amp in-line Fuse in Harness running from Valve Console down to Electric Power Pack Solenoid - replace if necessary.
- * Check Isolator Switch for correct operation - replace if faulty.
- * Check for faulty Motor Solenoid or Electric Motor Brushes - replace if necessary.
- * Check Emergency Stop N/C Contact Block

Crane will not support Full Permissible Load, without slowly lowering down:

- * Load Holding Valve is possibly blocked with contaminants or in need of adjustment. Contact your nearest Kevrek agent for this service.

Crane will not lift allowable load:

- * Pressure Relief Valve on Electric Power Pack or Control Valve requires adjustment. Contact your nearest Kevrek agent for this service.

Crane Motor will not stop working when the Levers or Switches are not activated:

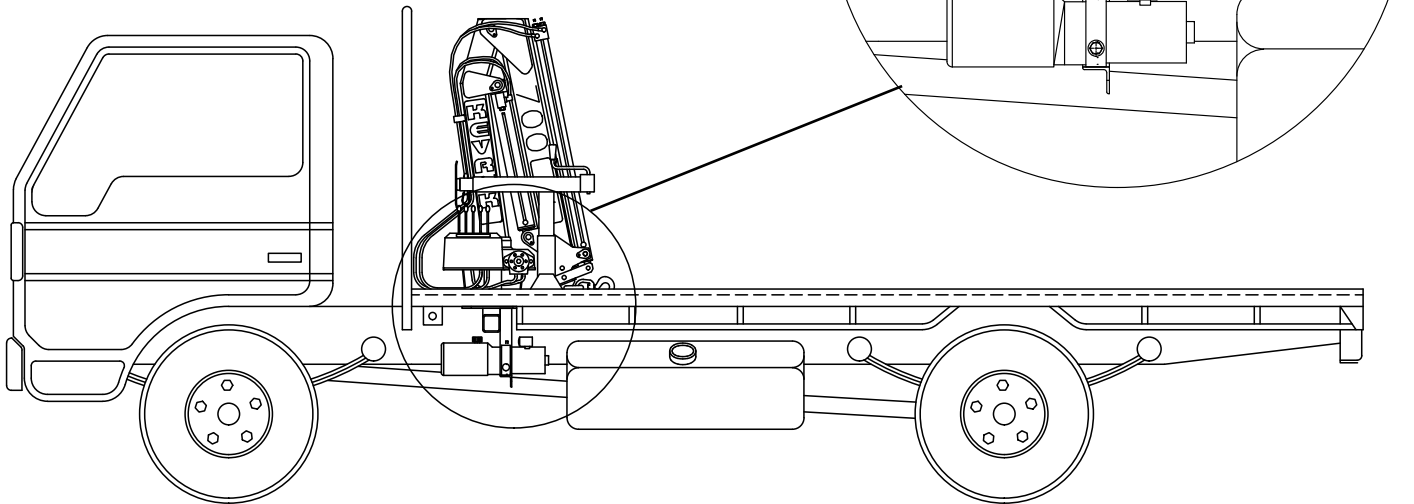
- * The DC Motor Solenoid is stuck, closed or the Microswitch/Microswitch Actuator is faulty. - Replace the faulty part.
(Until the part can be replaced, turn the Crane on and off by using the Isolation Switch).

Installation Instructions

FAILURE TO ADHERE TO AUSTRALIAN STANDARD MOUNTING INSTRUCTIONS, CAN RESULT IN EQUIPMENT FAILURE AND COULD RESULT IN SERIOUS INJURY.

When fitting a Kevrek Crane, make note of the underfloor cross support locations. When correctly fitted, the Mounting Frame sits in the cavity between the Main Load Bearer and the Floor Plate between 2 Cross Bearers and butts up to the Side Combing Rail.

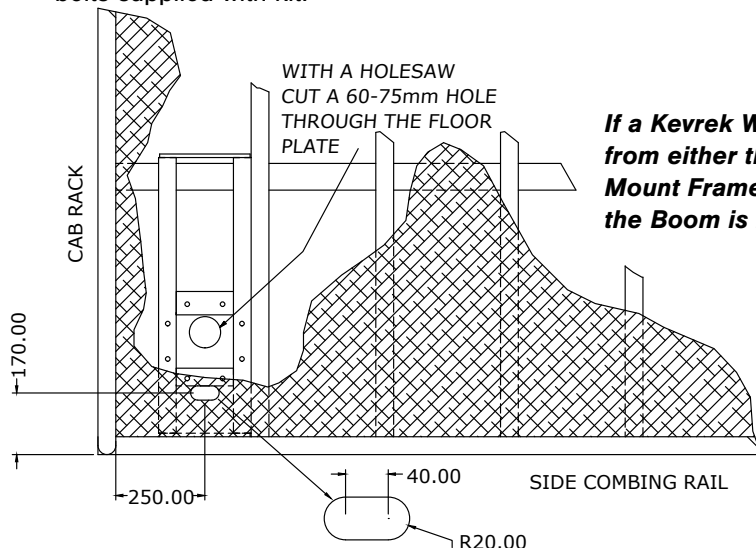
1. Disconnect vehicle battery supply in preparation for welding.
2. Fit Mounting Frame under floor of vehicle allowing at least 250mm from vehicle head board to center of the Mounting Frame.
3. Jack Mounting Frame hard up under vehicle floor plate and pull hard against vehicle Side Combing Rail.
4. Mounting Frame can now be welded to Side Combing Rail to Main Load Bearer to Cross Bearers and to Underfloor Plate to ensure frame is rigidly mounted.



5. Eight 14mm holes can now be drilled through the vehicle floor plate using pre-drilled Mounting Frame holes as a guide.
6. The slotted hole can now be drilled or gas cut to allow Hydraulic and Electric lines to go from Control Console to Electric Power Pack.

Where possible, slotted hole should be lined with Pinch Mold or Split Water Hose to stop abrasion on the lines.

7. Mount Crane on the top of the floor and fasten through Mounting Frame then through Motor Mounting Frame using bolts supplied with kit.



Important

If a Kevrek Winch is to be fitted, you will need to allow 400mm from either the Cab Rack or the Toolbox to the center of the Mount Frame. Failure to do this will cause the Winch to hit when the Boom is in the horizontal position.

8. Feed 2 Hydraulic Hoses through slotted hole in Floor Plate.
9. Fit Electric Power Pack up to Motor Mounting Base under vehicle body.

Continued Next Page

Installation Instructions

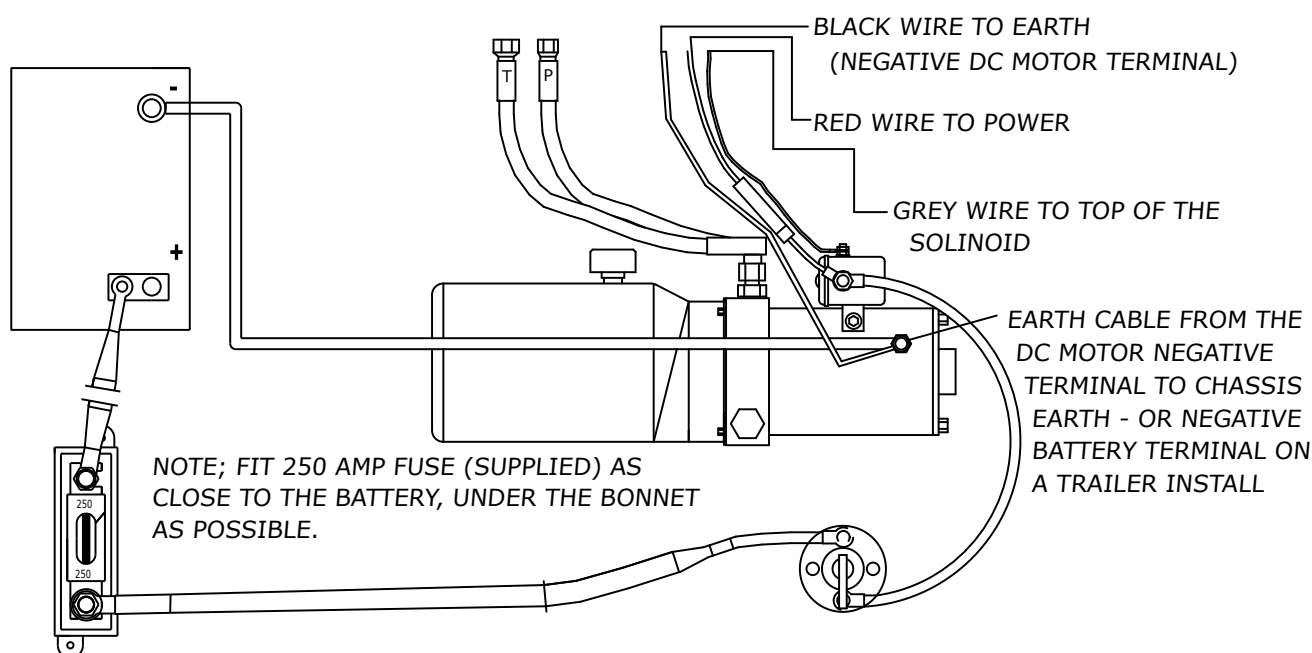
Continued From Page 12

10. Connect Hydraulic Hoses hanging through slot in Vehicle Floor Plate. The large Elbow Fitting to Large Nipple on near side of Power Pack and the small Elbow Fitting to Small Nipple on far side of Power Pack.
11. Connect Electrical Harness from Control Console through vehicle floor, to Motor Starter Solenoid shown in Diagram below.
12. Weld or bolt Battery Isolator Key (supplied in kit) under Vehicle Floor Plate or in a convenient location on the vehicle combing rail, close enough so that the cable can be connected to the Large Lug on the near side of the Electric Motor Starter Solenoid.
13. Run insulated Battery Cable from near positive terminal on vehicle battery (CAUTION: DO NOT CONNECT TO BATTERY POLE YET) along vehicle chassis to spare Terminal on Battery Isolator Key

NOTE: Cable length is supplied to accommodate for a majority of vehicle types and fitting positions, therefore may prove to be over length. If this is the case, simply run the cable along chassis, past Power Pack and loop back to make connection, using zip ties to fasten to chassis as often as practical.

14. Ensure that the vehicle body is properly grounded to chassis so that a suitable earth is obtained for Electric Power Pack.
15. Reconnect all vehicle electrical wires to original positions.
16. Connect Insolated Cable to positive terminal on vehicle Battery.
17. Double check that when battery connections were tightened, lugs did not swing down to touch and possibly earth on any body or chassis parts nearby.
18. Double check and tighten all crane mounting bolts.
19. Check Power Pack oil level.

This Crane has been factory run and pressure tested, therefore hydraulic system is fully primed, however unit may need to be run through a complete cycle before lifting weight due to refitting of hoses.

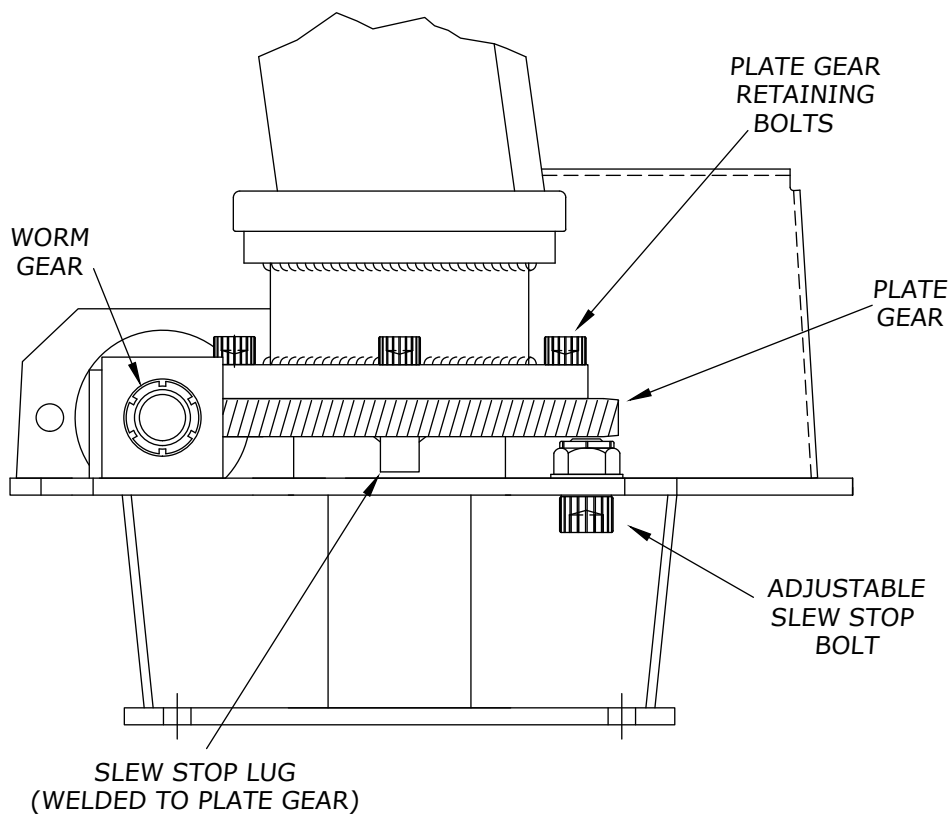


Slew Stop Adjustment

All Kevrek Cranes fitted with a Manual Control Valve come standard with Dual Slew Stop to prevent the Boom from travelling over the operators position. If the Crane has a Cable or Radio Remote then the procedure below may be applicable.

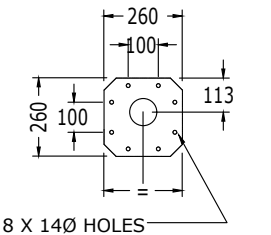
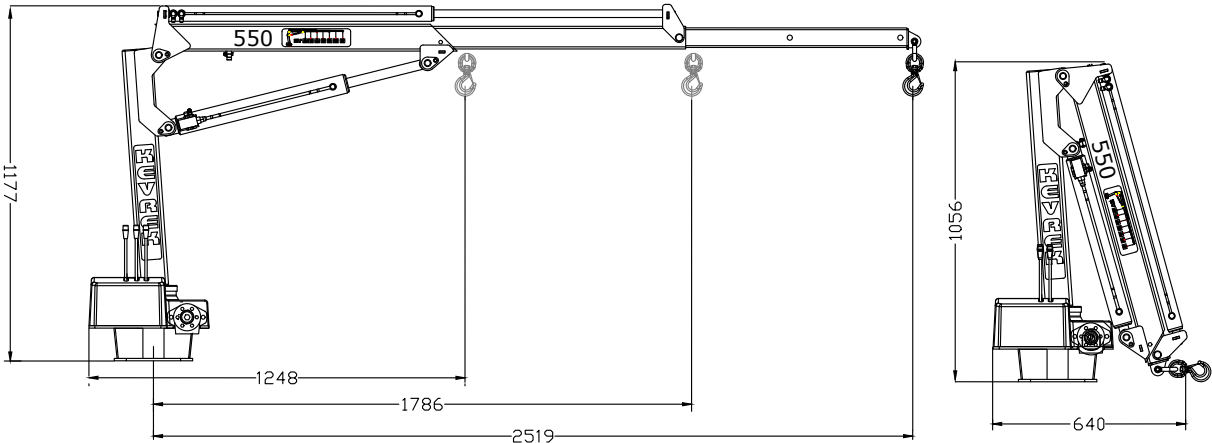
TO ADJUST THE POSITIONING OF THE SLEW STOP

1. Remove Plastic Control Cover.
2. Remove adjustable Slew Stop Bolt and replace in 1 of 4 positions.
3. Where the rotation stop position was changed by more than 90°, the exit direction of the Hydraulic Hoses from the Base may have to be redirected from left to right hand exit according to Slew Stop adjustments made.
4. Reinstall Plastic Control Cover.
5. Test Crane slew rotation to ensure all adjustments made were correct.

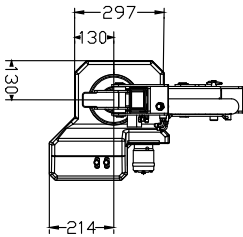


550 Series

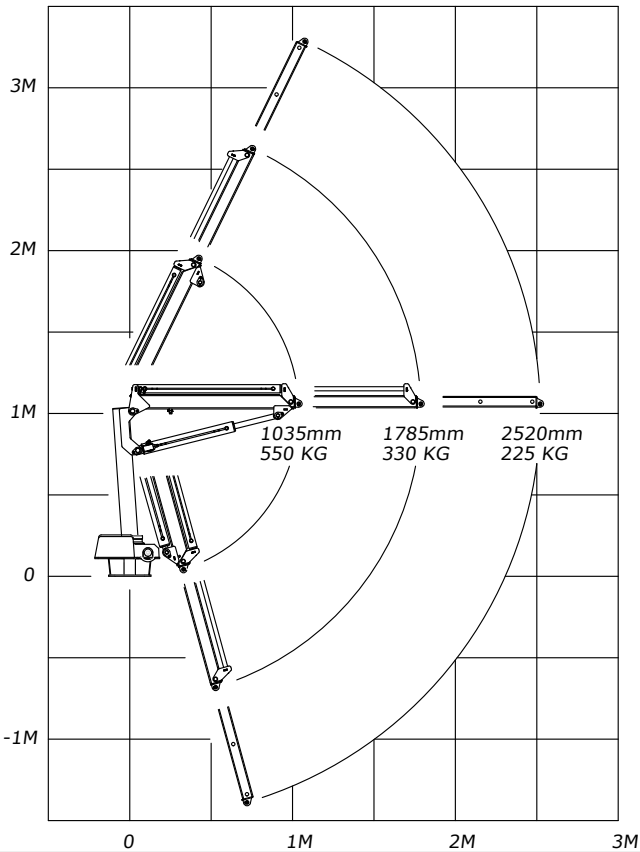
Capacity Class	0.56Tm (5.49 kNm)
Maximum Lift Capacity	550kg @ 1.035m Radius
Standard Outreach	2.52m
With Additional Boom	N/A
Lifting Height Above Base Standard	3.25m
With Additional Boom	N/A
Outreach/Lifting Capacity	1.03m - 550kg 1.78m - 330kg 2.52m - 225kg
Slewing Torque	1.5 kNm
Slewing Angle	290°
Pump Capacity	4.9 > 7.0l/min
Oil Tank Volume	3.0l
Working Pressure	2100 PSI (144 BAR)
Power Consumption	12 volt 24 volt 50 > 150 amp 50 > 90 amp
Weight Inc/Power Pack And Oil	125kg
Weight - Manual Leg C/W Motor Mount and Storage Mount	14kg
Height Folded	1057mm



MOUNTING BASE PATTERN

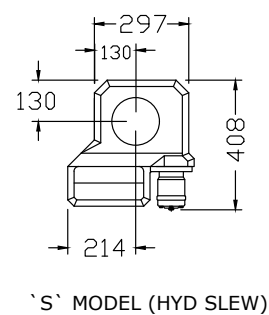
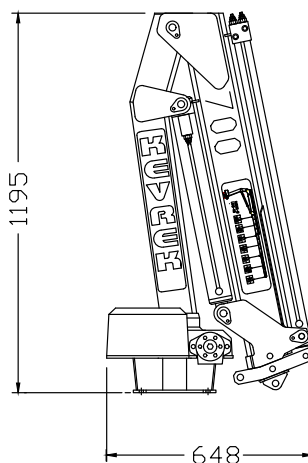
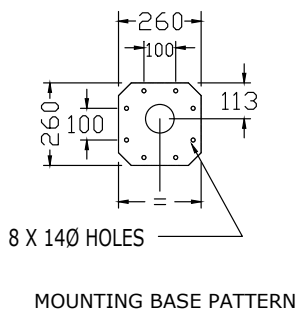
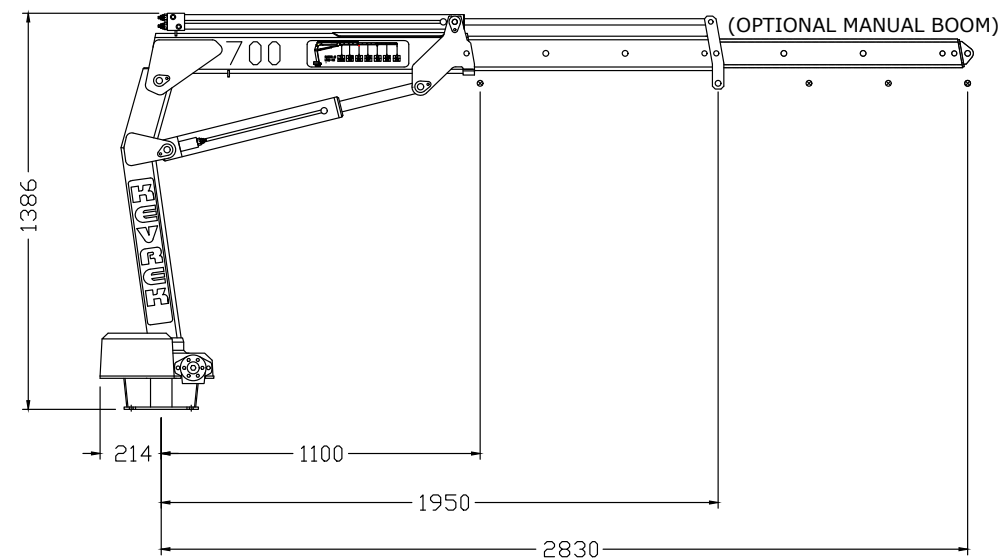


THE CAPACITY OF THIS CRANE IS LIMITED BY HYDRAULIC DEVICES.

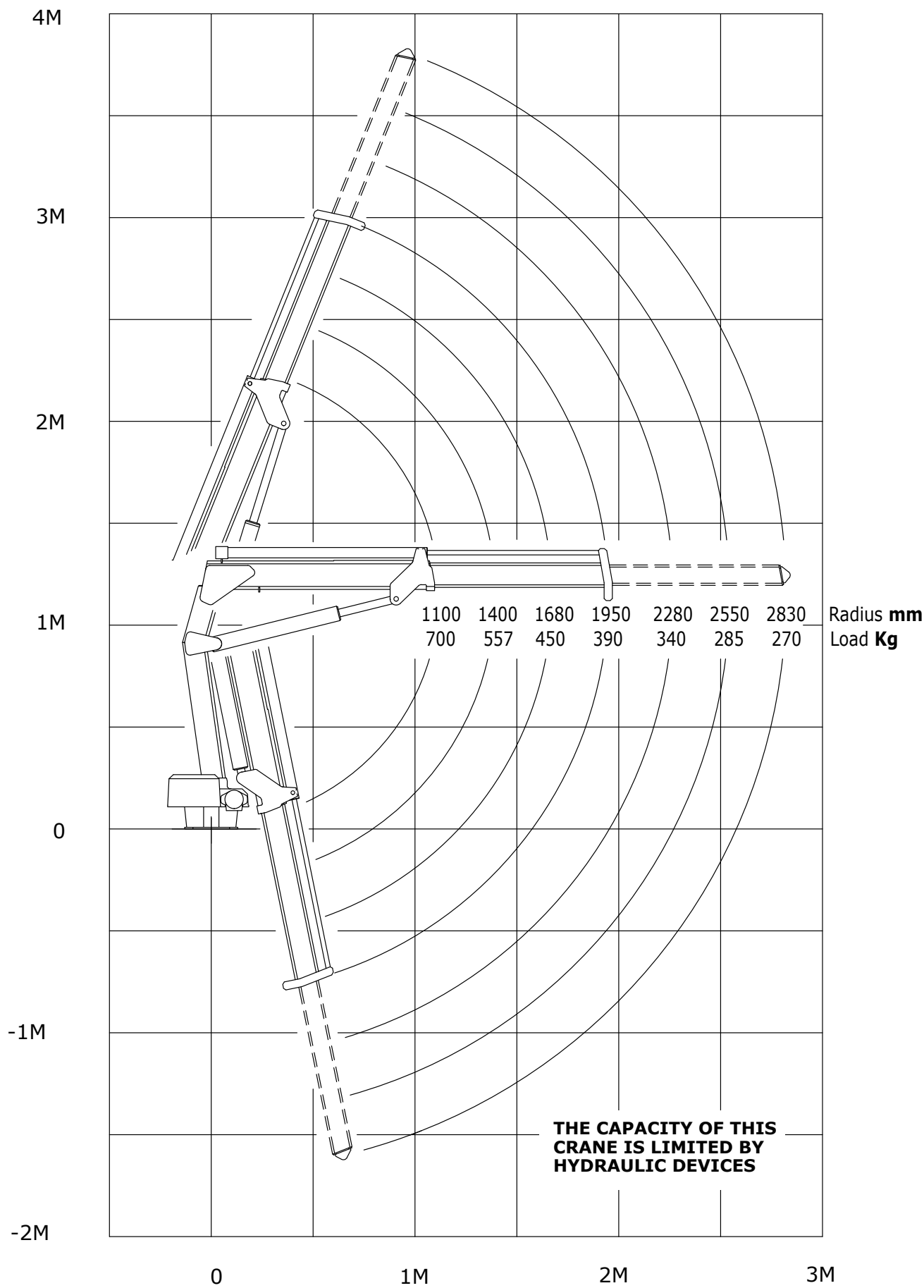


700 Series

Capacity Class	0.75 Tm (7.35 kNm)
Maximum Lift Capacity	700kg @ 1.12m Radius
Standard Outreach	1.95m
With Additional Boom	2.83m
Lifting Height Above Base Standard	2.90m
With Additional Boom	3.80m
Outreach/Lifting Capacity	1.10m - 700kg 1.40m - 557kg 1.68m - 450kg 1.95m - 390kg 2.28m - 340kg 2.55m - 285kg 2.83m - 270kg
Slewing Torque	1.5 kNm
Slewing Angle	290°
Pump Capacity	4.9 > 7.0l/min
Oil Tank Volume	3.0l
Working Pressure	1750 PSI (120 BAR)
Power Consumption	12 volt 50 > 150 amp 24 volt 50 > 90 amp
Weight Inc/Power Pack And Oil	"M" - Model 133kg "P" - Model 146kg "S" - Model 152kg
Weight - Manual Leg C/W Motor Mount and Storage Mount	18kg
Swing up Hydraulic Stabiliser Leg	~43kg
Height Folded	1195mm

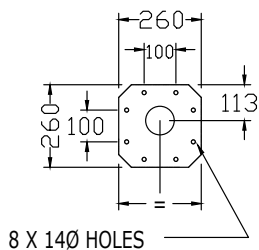
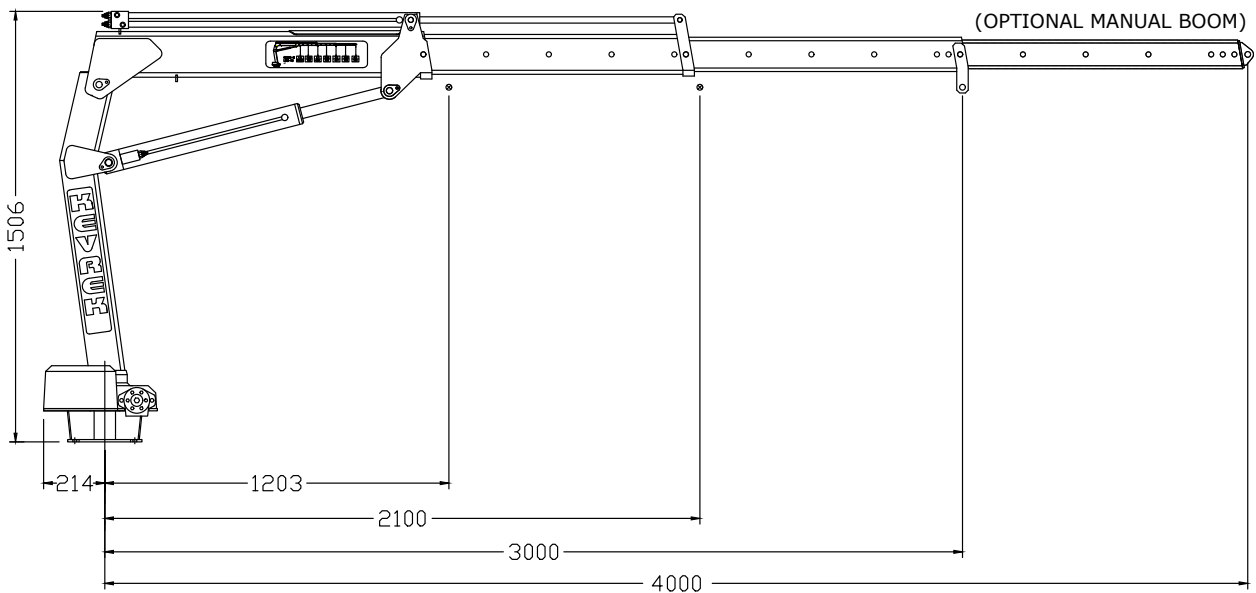


700 Series

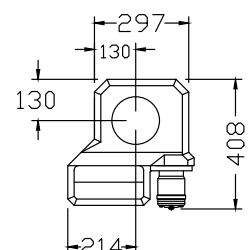
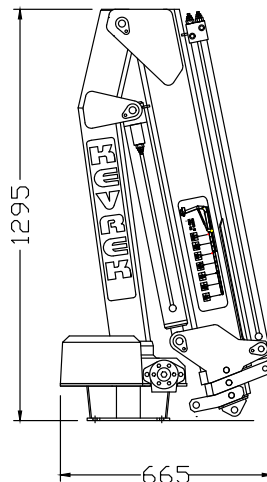


1000 Series

Capacity Class	1.25Tm (12.2kNm)
Maximum Lift Capacity	990kg @ 1.2m Radius
Standard Outreach	3.00m
With Additional Boom	4.00m
Lifting Height Above Base Standard	4.10m
With Additional Boom	5.09m
Outreach Lifting Capacity	1.20m - 990kg 1.64m - 766kg 2.10m - 606kg 2.52m - 501kg 3.00m - 421kg 3.56m - 355kg 4.00m - 310kg
Slewing Torque	1.75 kNm
Slewing Angle	290°
Pump Capacity	4.9 > 7.0l/min
Oil Tank Volume	3.0l
Working Pressure	2500 PSI (186 BAR)
Power Consumption	12 volt 24 volt 50 > 190 amp 50 > 115 amp
Weight Inc/Power Pack And Oil	"M" - Model 153kg "P" - Model 167kg "S" - Model 173kg
Weight - Manual Leg C/W Motor Mount and Storage Mount	18kg
Swing up Hydraulic Stabiliser Leg	~43kg
Height Folded	1295mm

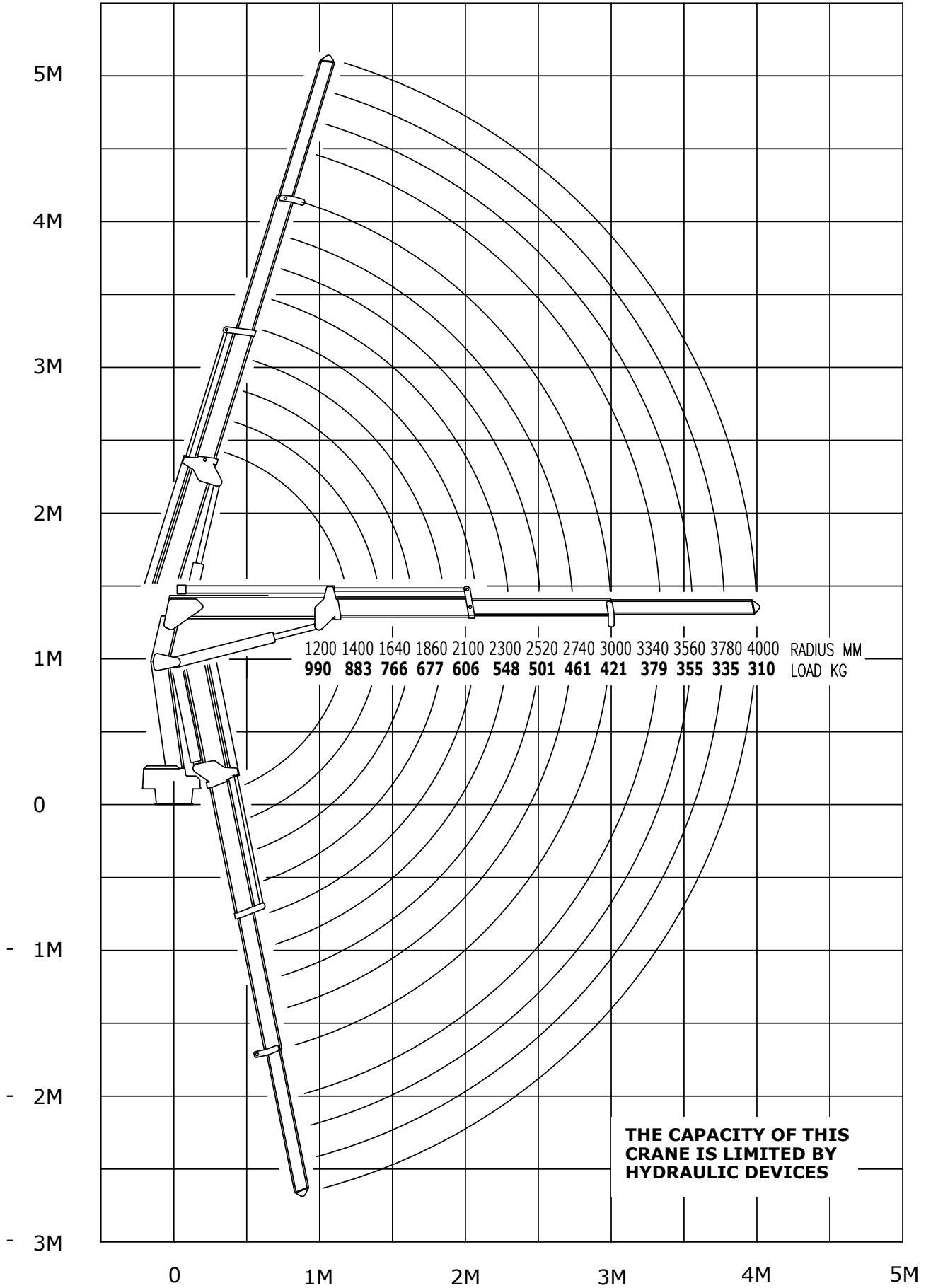


MOUNTING BASE PATTERN



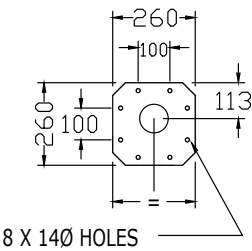
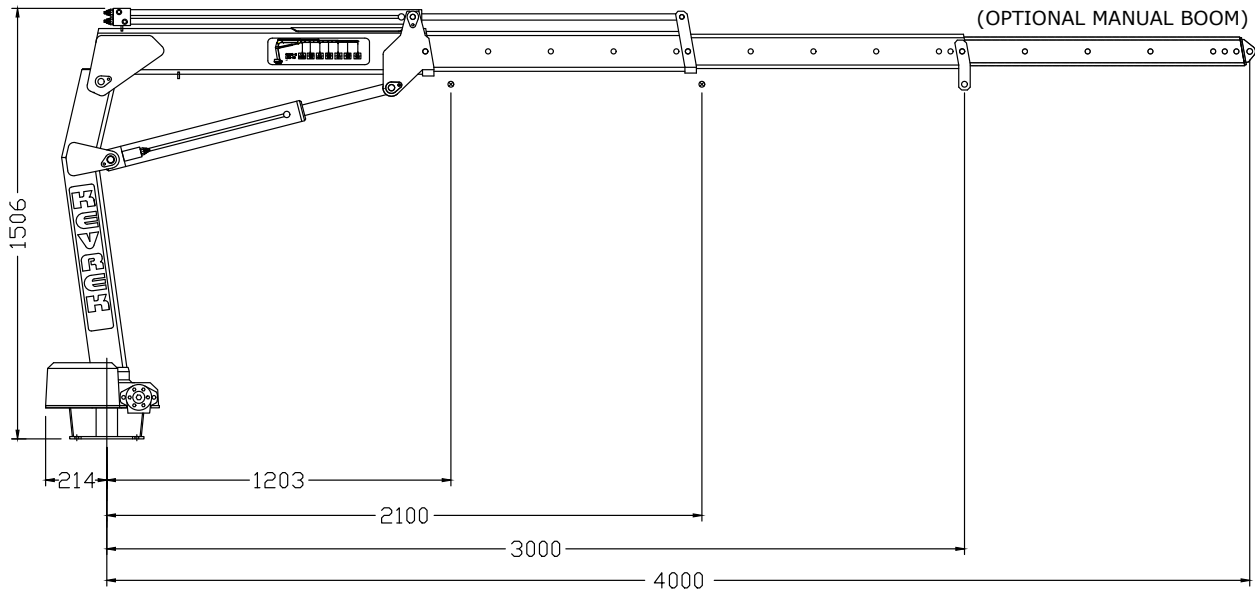
'S' MODEL (HYD SLEW)

1000 Series

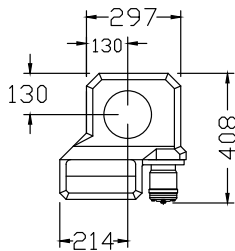
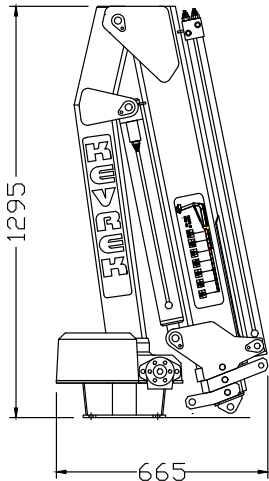


1500 Series - Standard Model

Capacity Class	1.50Tm (14.6kNm)
Maximum Lift Capacity	990kg @ 1.2m Radius
Standard Outreach	3.00m
With Additional Boom	4.00m
Lifting Height Above Base Standard	4.10m
With Additional Boom	5.09m
Outreach Lifting Capacity	1.20m - 990kg 1.64m - 914kg 2.10m - 714kg 2.52m - 595kg 3.00m - 500kg 3.56m - 421kg 4.00m - 375kg
Slewing Torque	2.2 kNm
Slewing Angle	290°
Pump Capacity	4.9 > 7.0l/min
Oil Tank Volume	3.0l
Working Pressure	3200 PSI (223 BAR)
Power Consumption	12 volt 50 > 240 amp 24 volt 50 > 150 amp
Weight Inc/Power Pack And Oil	"M" - Model 160kg "P" - Model 174kg "S" - Model 180kg
Weight - Manual Leg C/W Motor Mount and Storage Mount	18kg
Swing up Hydraulic Stabiliser Leg	~43kg
Height Folded	1295mm

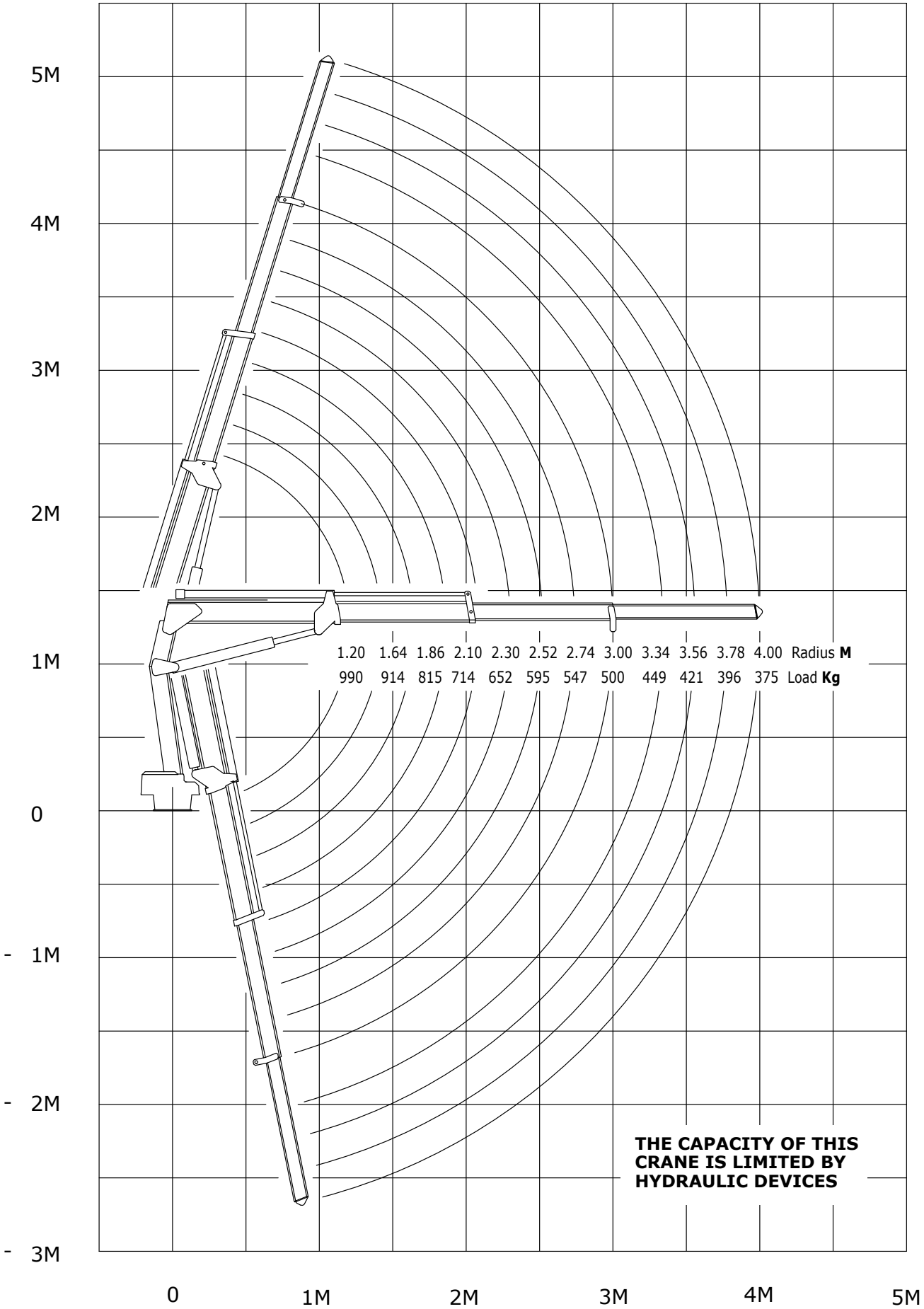


MOUNTING BASE PATTERN



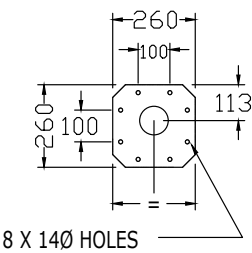
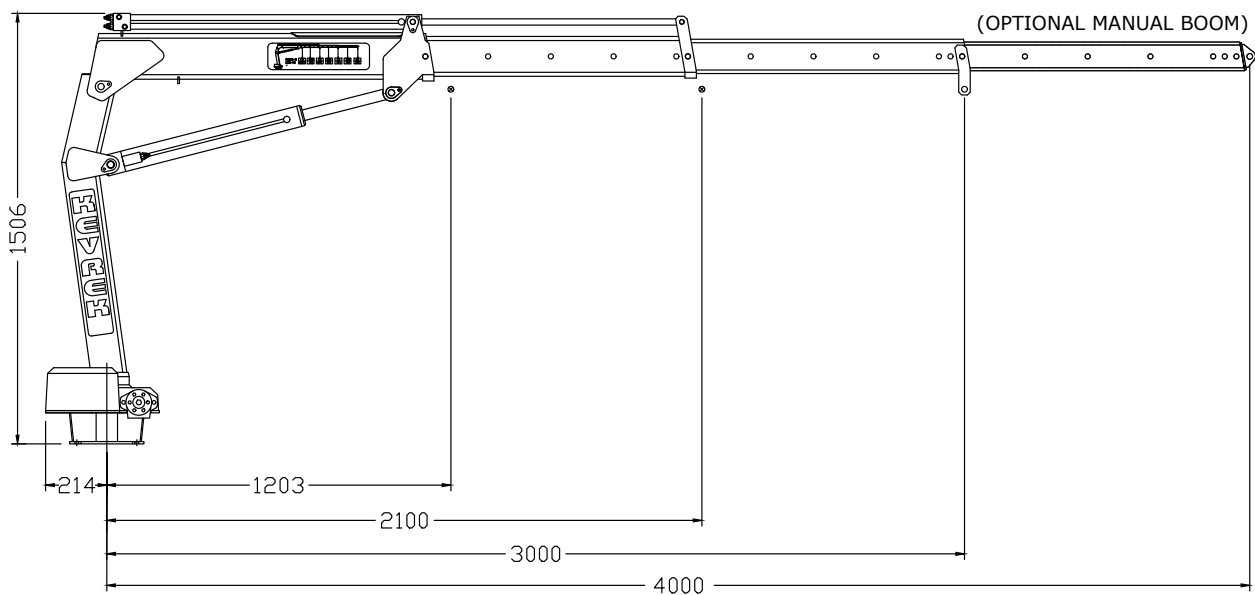
'S' MODEL (HYD SLEW)

1500 Series - Standard Model

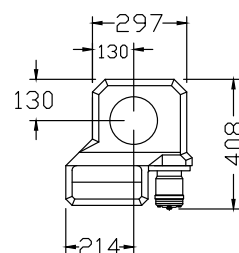
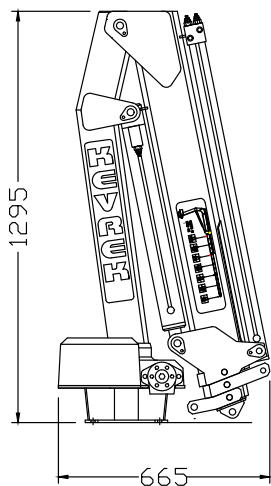


1500 Series - Load Limiter Model

Capacity Class	1.50Tm (14.6kNm)
Maximum Lift Capacity	1250kg @ 1.2m Radius
Standard Outreach	3.00m
With Additional Boom	4.00m
Lifting Height Above Base Standard	4.10m
With Additional Boom	5.09m
Outreach Lifting Capacity	1.20m - 1250kg
	1.64m - 914kg
	2.10m - 714kg
	2.52m - 595kg
	3.00m - 500kg
	3.56m - 421kg
	4.00m - 375kg
Slewing Torque	2.2 kNm
Slewing Angle	290°
Pump Capacity	4.9 > 7.0l/min
Oil Tank Volume	3.0l
Working Pressure	3200 PSI (223 BAR)
Power Consumption	12 volt
	24 volt
	50 > 240 amp
	50 > 150 amp
Weight Inc/Power Pack And Oil	"M" - Model
	160kg
	"P" - Model
	174kg
	"S" - Model
	180kg
Weight - Manual Leg C/W Motor Mount and Storage Mount	18kg
Swing up Hydraulic Stabiliser Leg	~43kg
Height Folded	1295mm

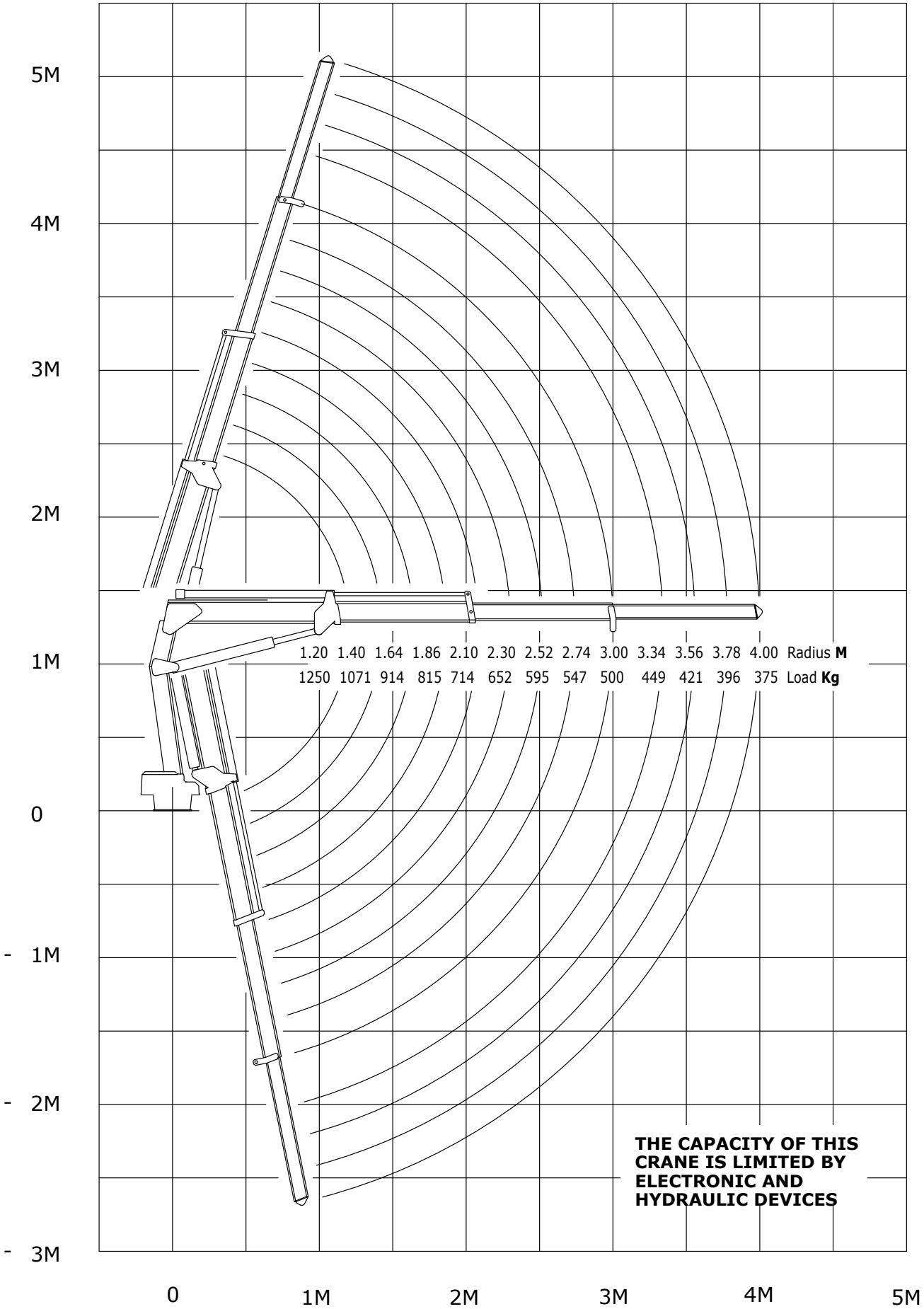


MOUNTING BASE PATTERN



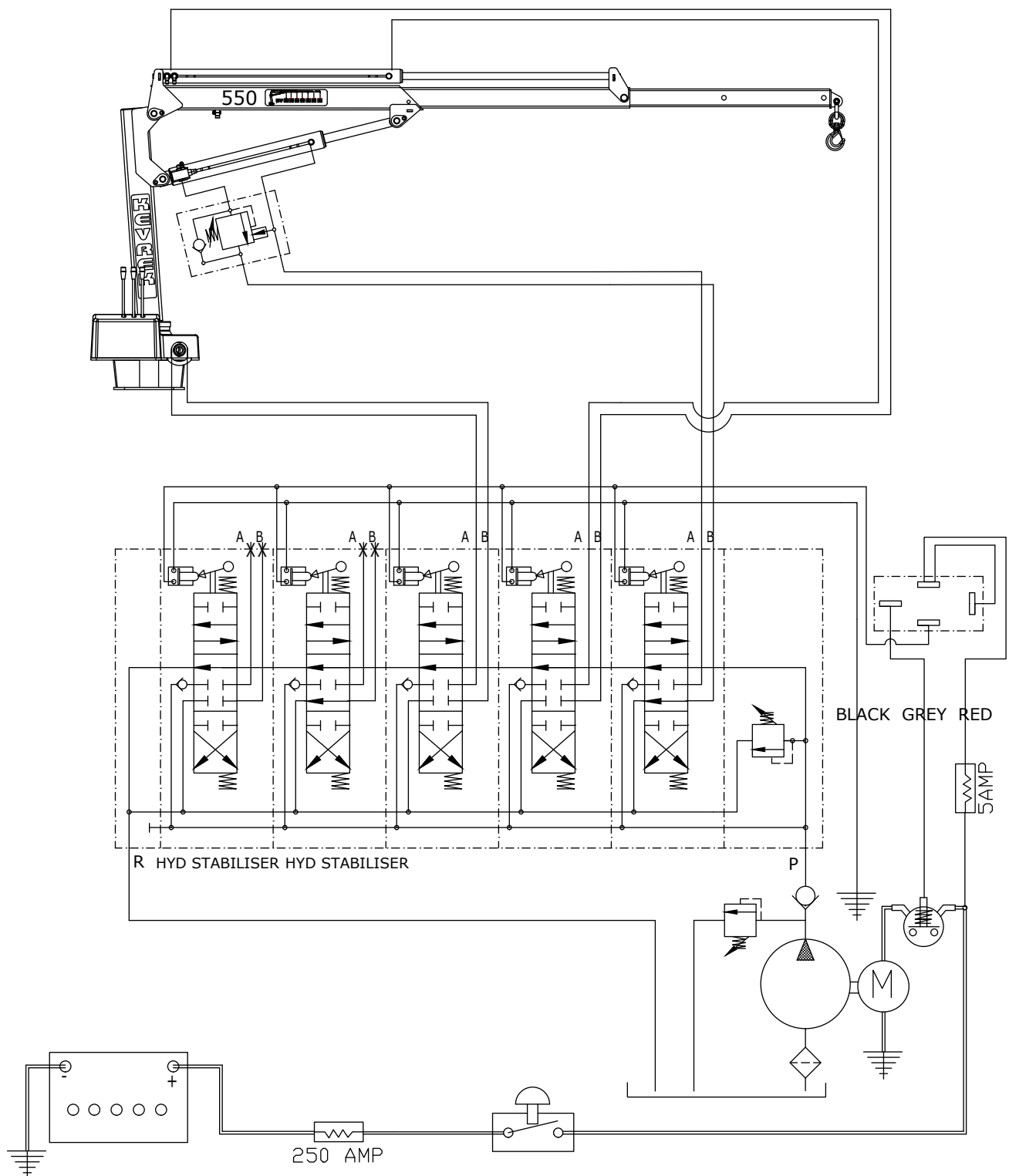
'S' MODEL (HYD SLEW)

1500 Series - Load Limiter Model

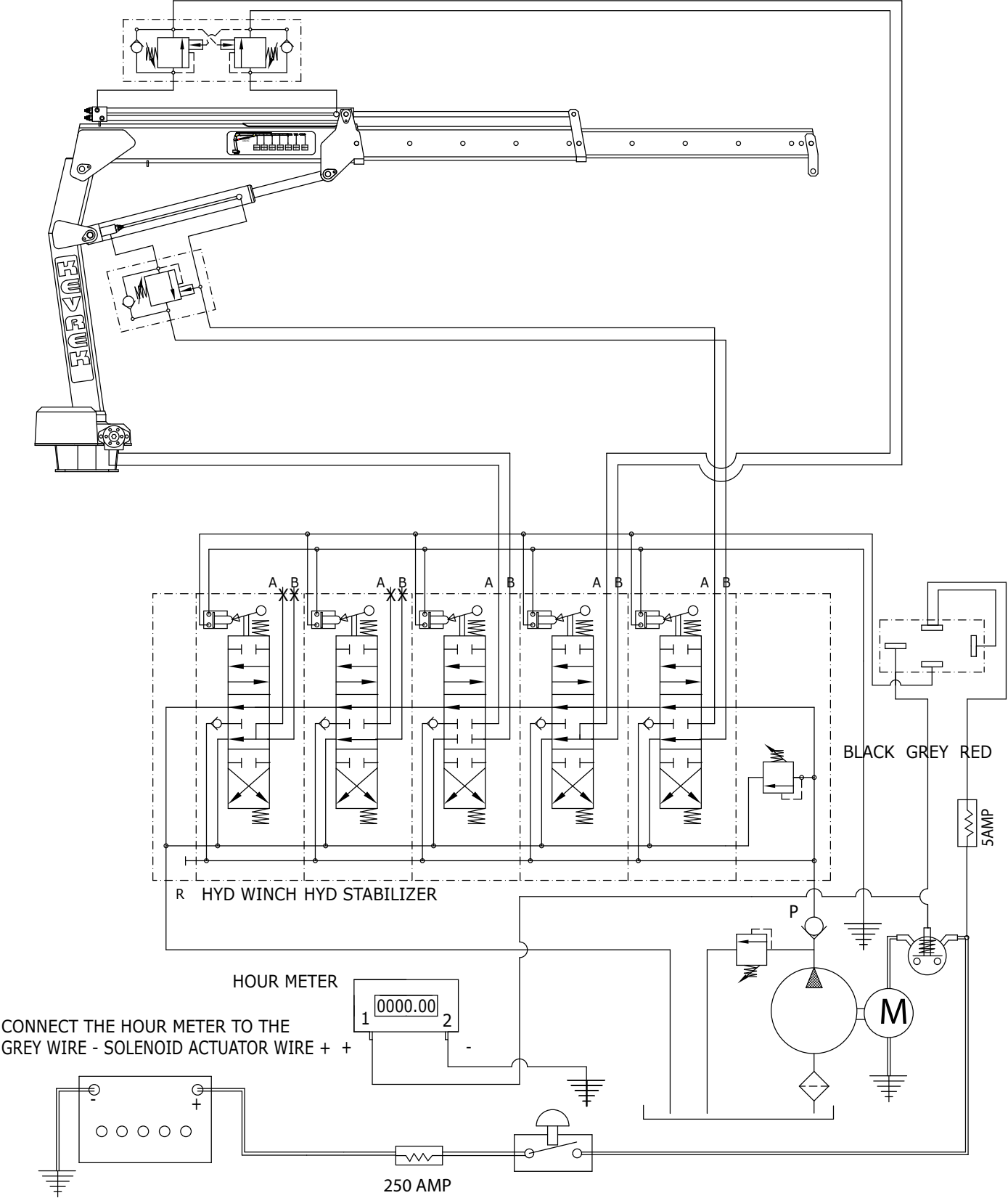


Electric and Hydraulic Schematic

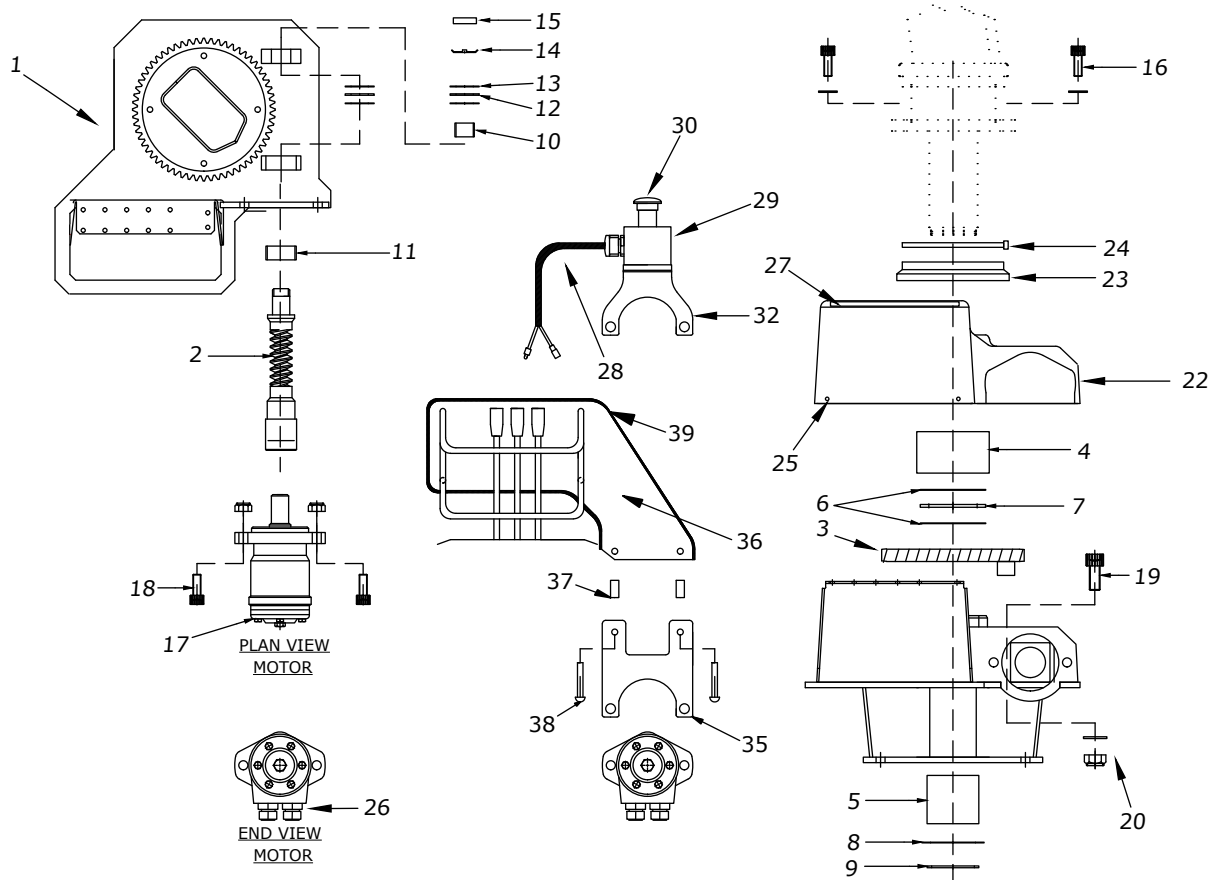
550 Series



Electric and Hydraulic Schematic
All Models

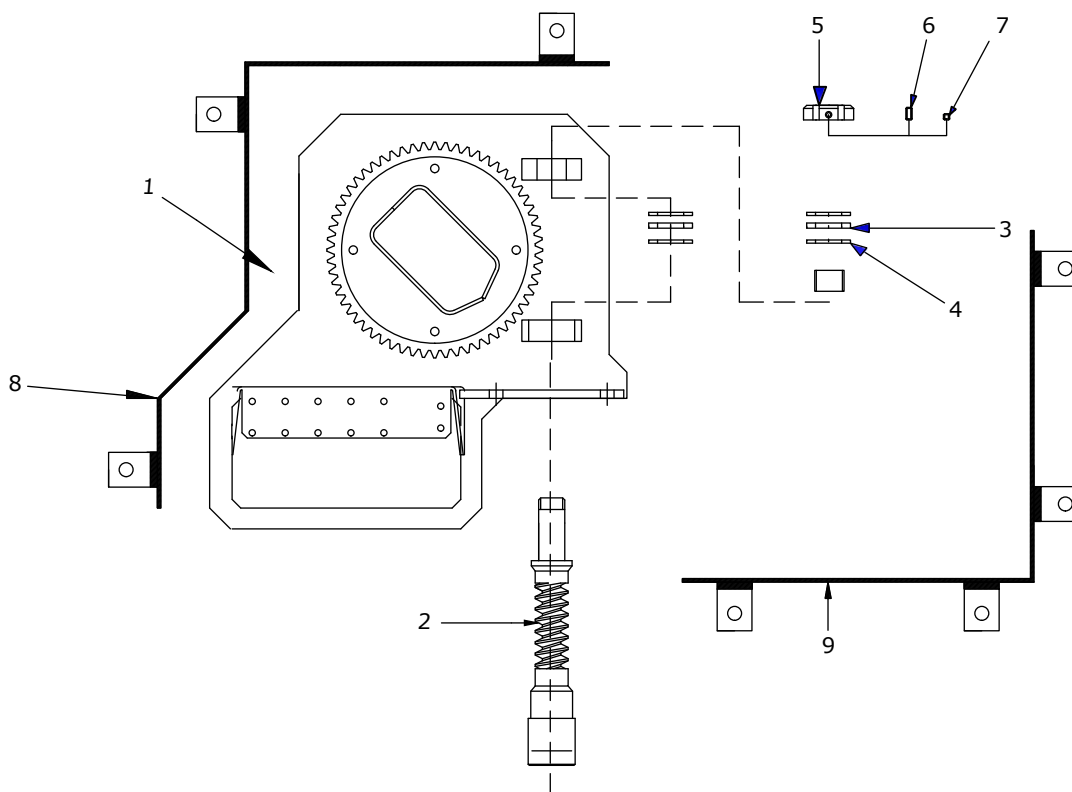


Slew Base All Models



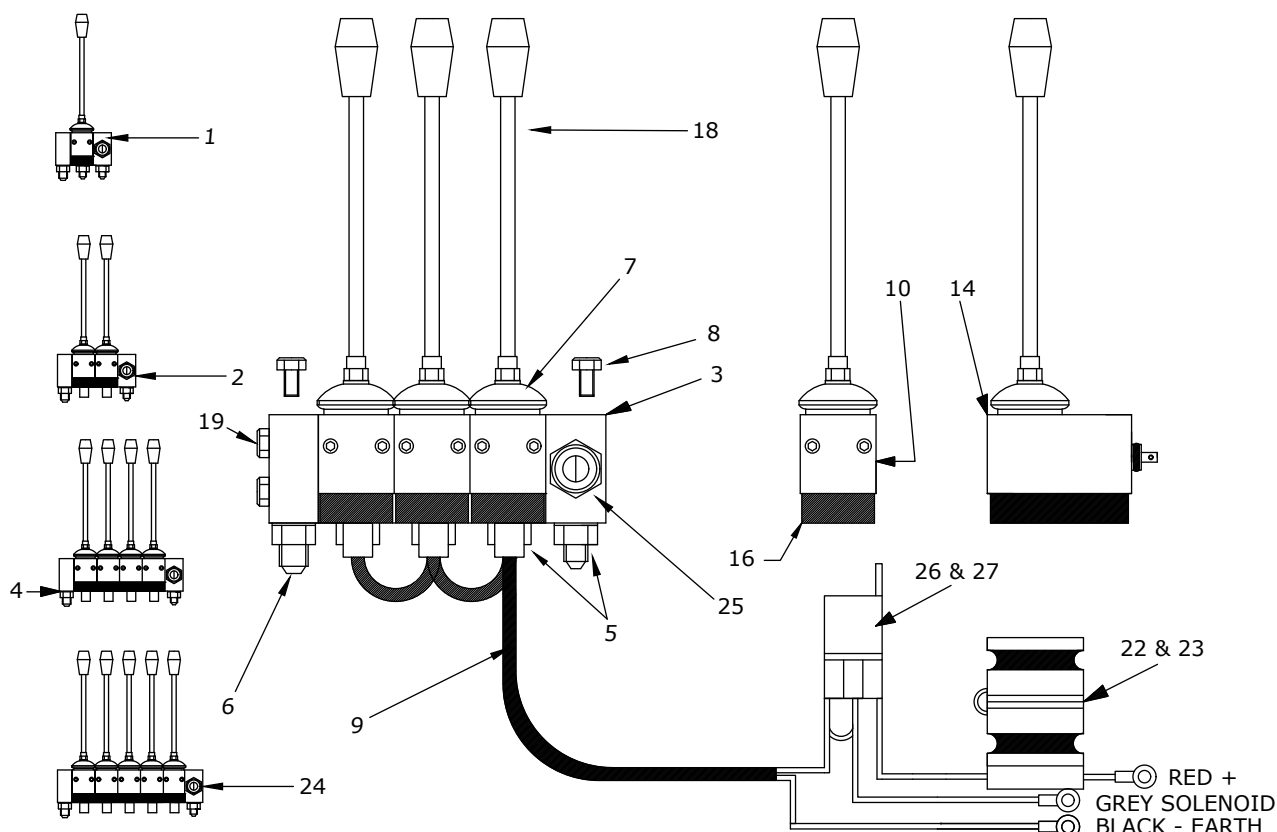
Item No.	Description	QTY	Notes	Order Part No.
1	Slew Base Weldment	1		1000/1/1
2	Worm Gear	1	Not Available	1000/1/2
3	Plate Gear - Duel Slew Stop	1		1000/1/3
4	Post Bearing	1		1000/1/4
5	Base Bearing	1		1000/1/5
6	Thrust Washer - Post	2		1000/1/6
7	Thrust Bearing - Post	1		1000/1/7
8	Post Retaining Circlip Washer	1		1000/1/8
9	Post Retaining Circlip	1		1000/1/9
10	Bearing	1		1000/1/10
11	Bearing	1		1000/1/11
12	Thrust Bearing	2	Models Pre-2011	1000/1/12
13	Thrust Washer	4	Models Pre-2011	1000/1/13
14	Nut Retaining Washer	1	Models Pre-2011	1000/1/14
15	Nut	1	Models Pre-2011	1000/1/15
16	Plate Gear Retaining Bolts and Spring Washer	4		1000/1/17
17	Hydraulic Slew Motor	1		1000/1/20
18	Motor Retaining Bolts and Nuts	2		1000/1/21
19	Slew Stop Bolt	1		1000/1/22
20	Slew Stop Nut	1		1000/1/23
22	Plastic Console Cover	1		1000/1/25
23	Plastic Valance Ring	1		1000/1/26
24	Slew Ring Clamp	1		1000/1/27
25	Cover Retaining Screws	9		1000/1/28
26	Hydraulic Straight Adapters	2		1000/1/29
27	Control Valve Decal	1		1000/1/30
28	Emergency Stop Single Complete Kit	1		1000/1/31
29	Emergency Stop - Actuator and Enclosure	1		1000/1/31/A
30	Emergency Stop Replacement Actuator	1		1000/1/31/B
31	Emergency Stop Contact Block N/C	1	Not Pictured	1000/1/31/C
32	Emergency Stop Bracket	1		1000/1/31/D
33	Duel Emergency Stop Complete Kit	1		1000/1/32
34	Control Valve Bump Guard Complete	1		1000/1/33
35	Bump Guard Front Plate	1		1000/1/33/A
36	Bump Guard Back Plate	1		1000/1/33/B
37	Bump Guard Spacers	2		1000/1/33/C
38	Bump Guard Mounting Bolts and Nuts	2		1000/1/33/D
39	Bump Guard Pinch Mould x 900mm	1		1000/1/33/E
	Continued Next Page			

Slew Base 1500 Series

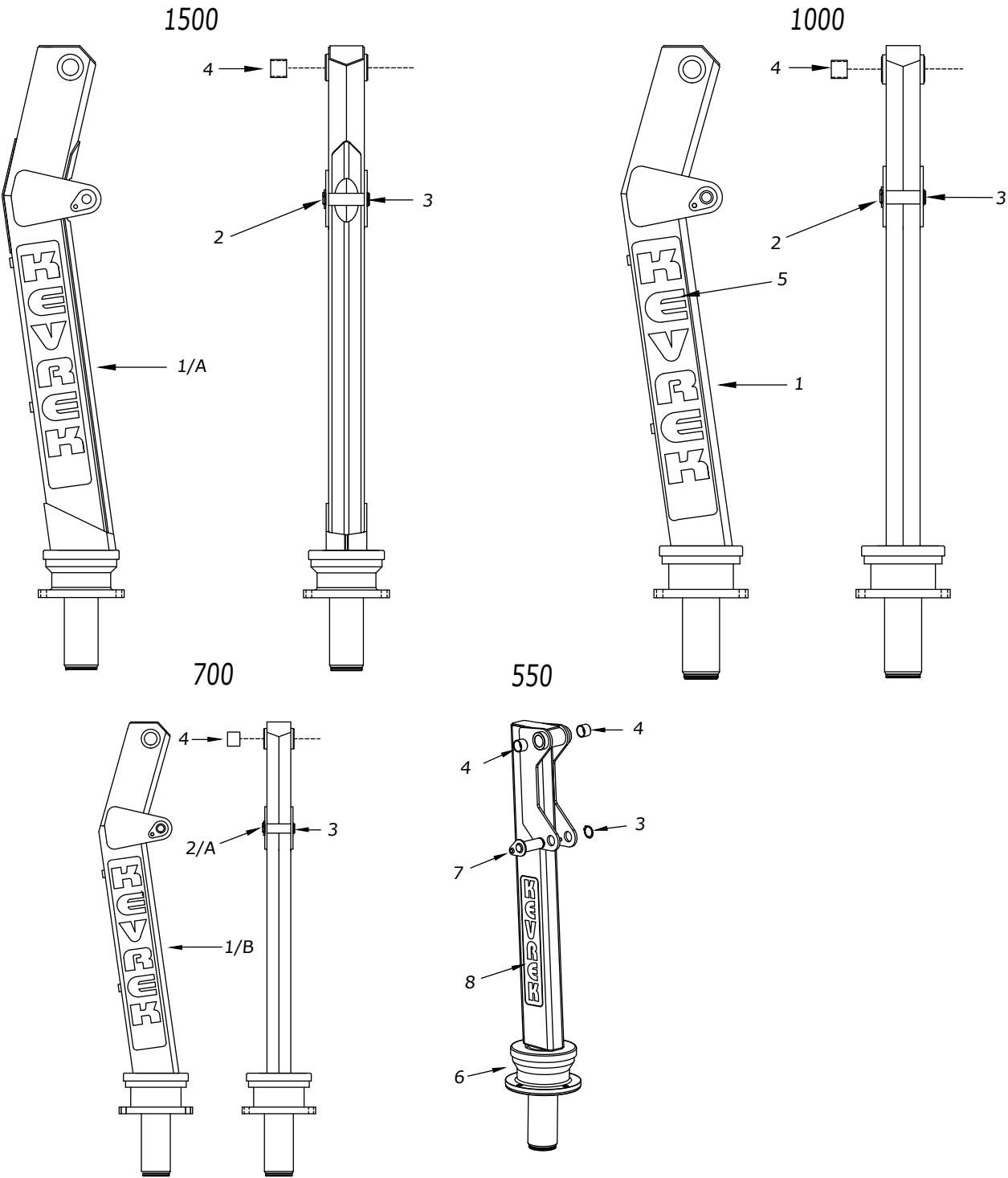
[illegible]

Hydraulic Control Valve

All Models

[illegible]

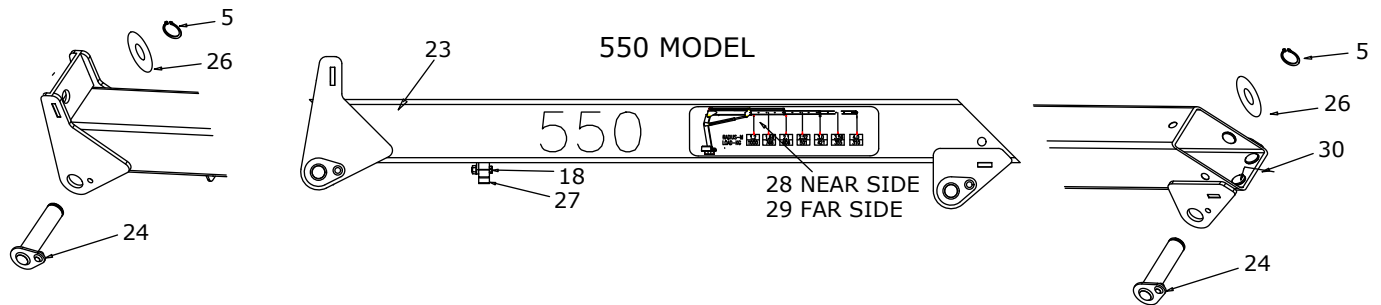
Main Post
All Models



Item No.	Description	QTY	Notes	Order Part No.
1	1000 Post Weldment	1		1000/3/1
1A	1500 Post Weldment	1		1500/3/1
1B	700 Post Weldment	1		700/3/1
2	Cylinder Pivot Pin	1		1000/3/2
2A	Cylinder Pivot Pin	1		700/3/2
3	Circlip	1	All Models	1000/3/3
4	Pivot Pin Bush	2	All Models	1000/3/4
5	Kevrek Post Decal	2	All Models	1000/3/5
6	550 Post	1		550/3/1
7	550 Cylinder Pivot Pin	1		550/3/2
8	550 Post Decal	2		550/3/5

Item No.	Description	QTY	Notes	Order Part No.
1	1000/1500 Main Boom Weldment	1		1000/4/1
1/A	700 Main Boom Weldment	1		700/4/1
2	1000/1500 30mm Diameter Pivot Pin	1		1000/4/2
2/A	700 30mm Diameter Pivot Pin	1		700/4/2
3	Circlip 30mm Pin Circlip	1	All Models	1000/4/3
4	1000/1500 25mm Diameter Pivot Pin	1		1000/4/4
4/A	700 25mm Diameter Pivot Pin	1		700/4/4
5	Circlip 25mm Pin Circlip	1	All Models	1000/3/3
6	Teardrop Keeper Plate	1		1000/4/6
7	1000 Load Chart Near Side	1		1000/4/7
7/A	700 Load Chart Near Side	1		700/4/7
7/B	1500 Load Chart Near Side	1		1500/4/7
8	1000 Load Chart Far Side	1		1000/4/8
8/A	700 Load Chart Far Side	1		700/4/8
8/B	1500 Load Chart Far Side	1		1500/4/8
9	Bolt and Nut	2		1000/4/9
10	Boom Stop Lug Retaining Bolt	2	All Models	1000/4/10
11	Boom Stop Lug	2	All Models	1000/4/11
12	1000/1500 Nylon Wear Button - Large	2		1000/4/12
12/A	700 Nylon Wear Button - Medium	2		1000/5/4
13	1000/1500 Boom Locking Pin	1		1000/4/13
13/A	700 Boom Locking Pin	1		1000/5/2
14	Boom Locking Pin Retaining Clip	1	All Models	1000/4/14
15	700/1000/1500 Extension Cylinder Buffer	1		1000/4/15
16	1000/1500 Lift Cylinder Buffer	1		1000/4/16
17	700 Lift Cylinder Buffer	1		700/4/17
18	Buffer Retaining Bolts and Nuts (All Models)	2	Per Buffer	1000/4/15/A
19	Main Boom to Suit Hydraulic Winch	1	Not Pictured	1000/4/1/W
20	Main Boom to Suit Winch and A2B Kit	1	Not Pictured	1000/4/1/A2B
21	Main Boom to Suit Pole Grab	1	Not Pictured	1000/4/1/P-GRAB
22	Main Boom to Suit Winch K700	1	Not Pictured	700/4/1/W
31	De-Rated Load Chart 1000 to 700 Near Side	1		1000/4/7/700
32	De-Rated Load Chart 1000 to 700 Far Side	1		1000/4/8/700

Main Boom 550 Series

[illegible]

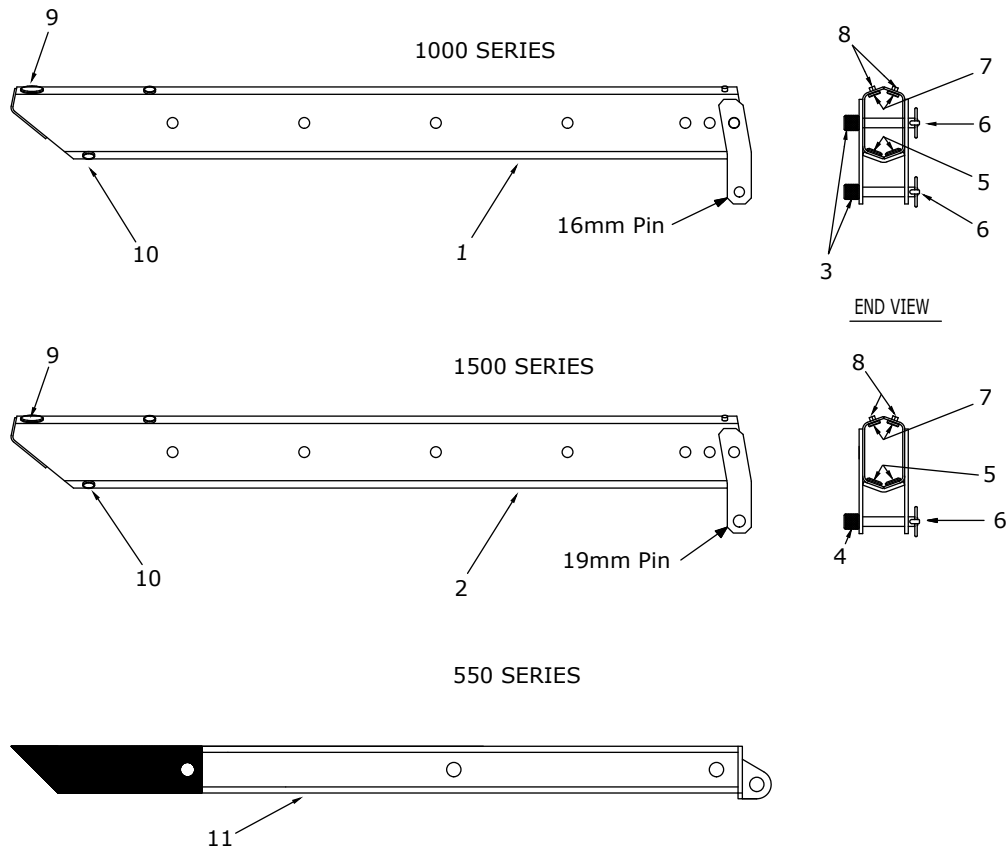
The image displays three technical drawings of roof eave brackets, each with a side view and an end view.

- 1000/1500 SERIES:** The side view shows a long, flat bracket with a sloped front end (10), a central mounting hole (1), and a rear flange (3). The end view shows a cross-section with a central hole (7), a rear flange (8), and a mounting hole (5). Callouts include 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.
- 700 SERIES:** The side view shows a long, flat bracket with a sloped front end (4), a central mounting hole (1/A), and a rear flange (3). The end view shows a cross-section with a central hole (7), a rear flange (8), and a mounting hole (5). Callouts include 1/A, 2/A, 3, 4, 5, 6, 7, 8, and 9/A.
- 550 SERIES:** The side view shows a long, flat bracket with a sloped front end (13), a central mounting hole (11), and a rear flange (3). The end view shows a cross-section with a central hole (7), a rear flange (8), and a mounting hole (5). Callouts include 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

[illegible]

Third Boom

All Models

[illegible]

The image contains two technical drawings of lifting beams, labeled '1000/1500 SERIES' and '700 SERIES'.

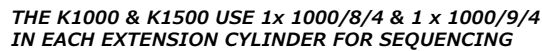
1000/1500 SERIES: This drawing shows a long, narrow beam with a pointed left end and a hook on the right. It features several circular holes along its length. Callout '1' points to the main body of the beam. Callout '2' points to a small component at the bottom left. Callout '3' points to the hook. A section line 'A' is shown at the top left, with an arrow pointing to the right. To the left of the main drawing, a detailed view of 'SECTION A' is shown, which is a cross-section of the beam's end, featuring two small components labeled '2'.

700 SERIES: This drawing shows a similar beam but with a different hook design on the right. Callout '1/A' points to the main body of the beam. Callout '2' points to the same small component at the bottom left as in the 1000/1500 series. Callout '4' points to the hook. The hook is a different design, featuring a more complex, multi-part structure.

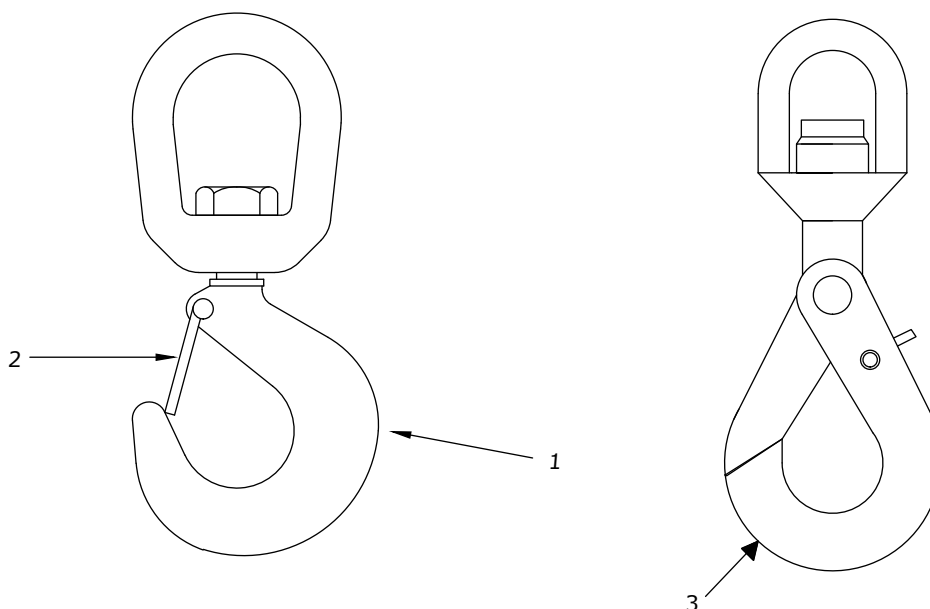
[illegible]

[illegible]

All Models

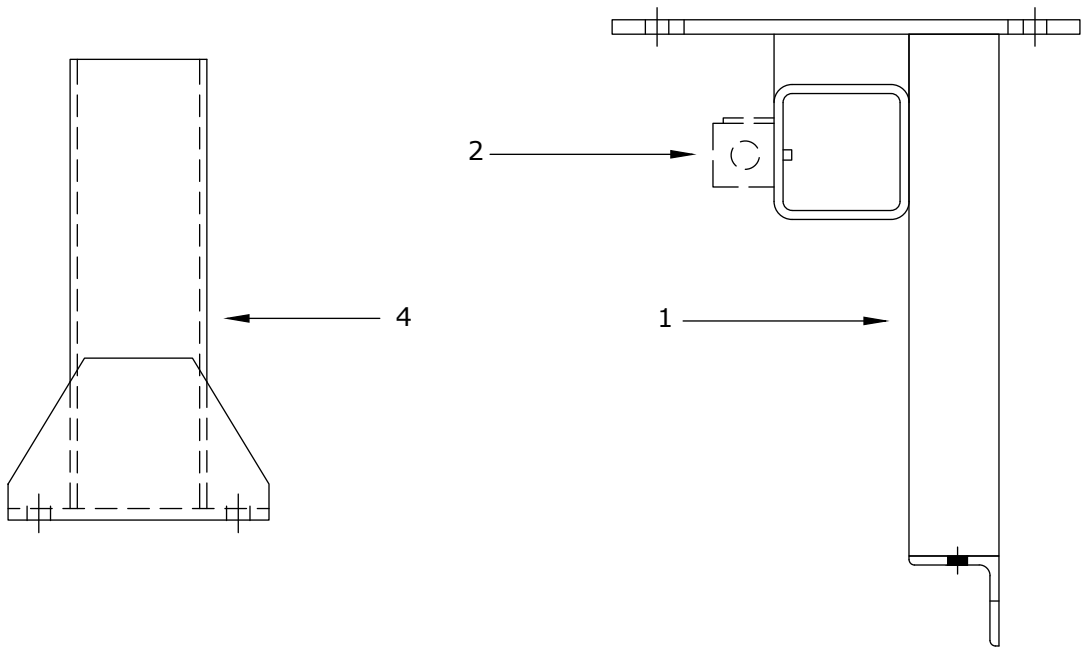
[illegible]

1.5t Safety Hook **All Models**

[illegible]

Leg and Motor Mounts

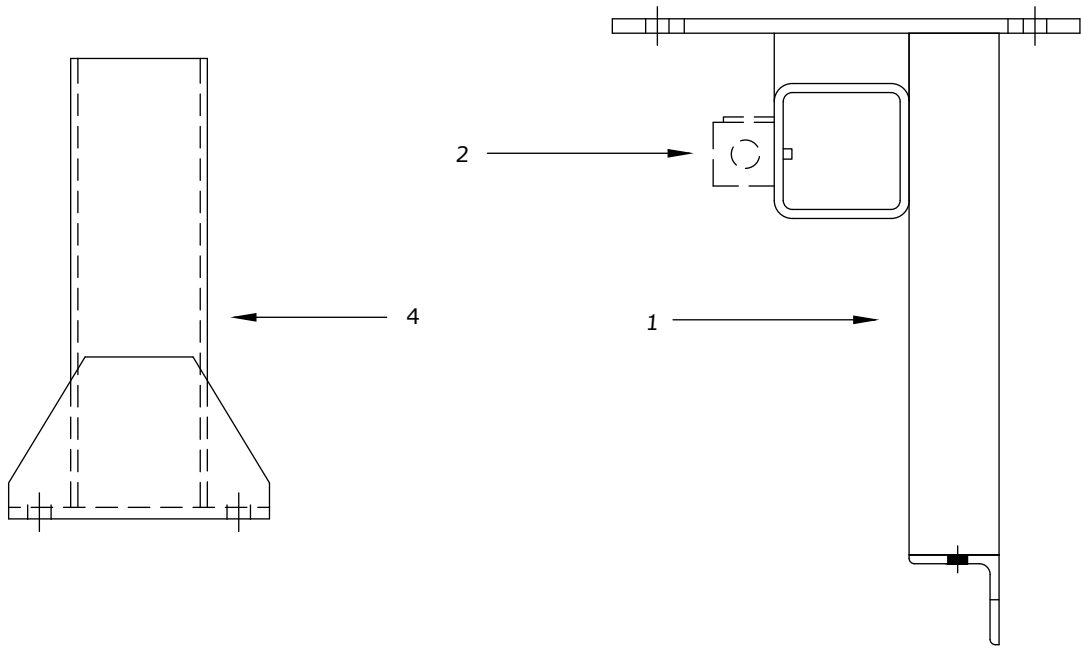
550/700/1000 Series



Item No.	Description	QTY	Notes	Order Part No.
1	550/700/1000 Under Body Motor and Stabiliser Mount	1		1000/13/1
2	Leg Cut Out Switch - (where fitted)	1	All Models	1000/13/2
3	Cable Gland 16mm	1	Not Pictured	1000/13/3
4	550/700/1000 Stabiliser Leg Storage Mount	1		1000/11/1

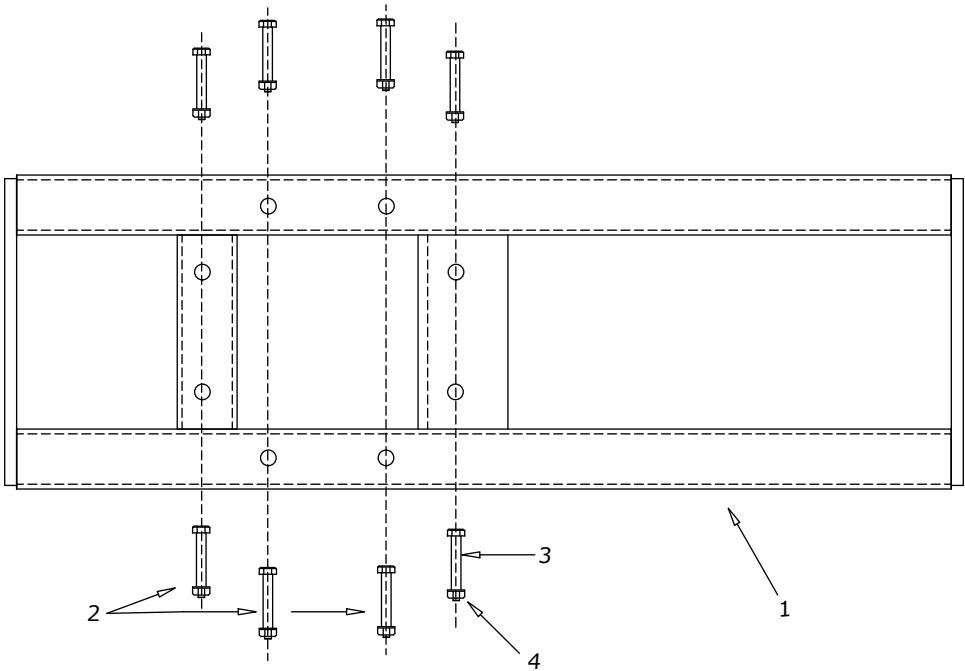
Leg and Motor Mounts

1500 Series



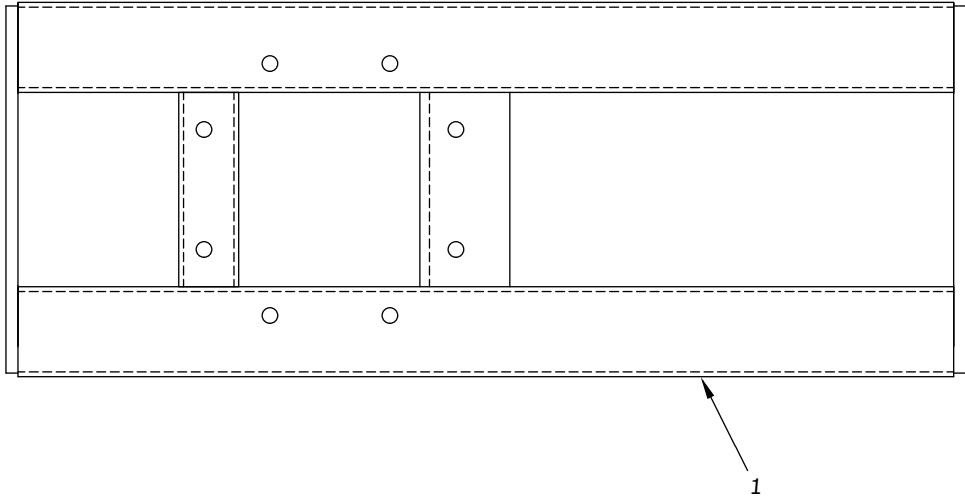
Item No.	Description	QTY	Notes	Order Part No.
1	1500 Under Body Motor and Stabiliser Mount	1		1500/13/1
2	Leg Cut Out Switch	1	Where Fitted	1000/13/2
3	Cable Gland 16mm	1	Not Pictured	1000/13/3
4	1500 Stabiliser Leg Storage Mount	1		1500/11/1

Under Body Mounting Frame
550/700/1000 Series



Item No.	Description	QTY	Notes	Order Part No.
1	550/700/1000 Under Body Mounting Frame	1		1000/12/1
2	M12 x 100mm Crane Hold Down Bolt	6	M12 x 100mm	1000/12/2
3	M12 X 40mm Crane Hold Down Bolt	2	M12 X 40mm	1000/12/3
4	Nyloc Nut	8	12mm Nyloc Nut	1000/12/4
Note: M12 Grade 8.8 Bolt assembly torque				
77N/M - 57ft/lb				

Under Body Mounting Frame
1500 Series



"MOUNTING BOLTS AS ABOVE"

Item No.	Description	QTY	Notes	Order Part No.
1	1500 Under Body Mounting Frame	1		1500/12/1
Mounting Bolts as above				
Note: M12 Grade 8.8 Bolt assembly torque				
77N/M - 57ft/lb				

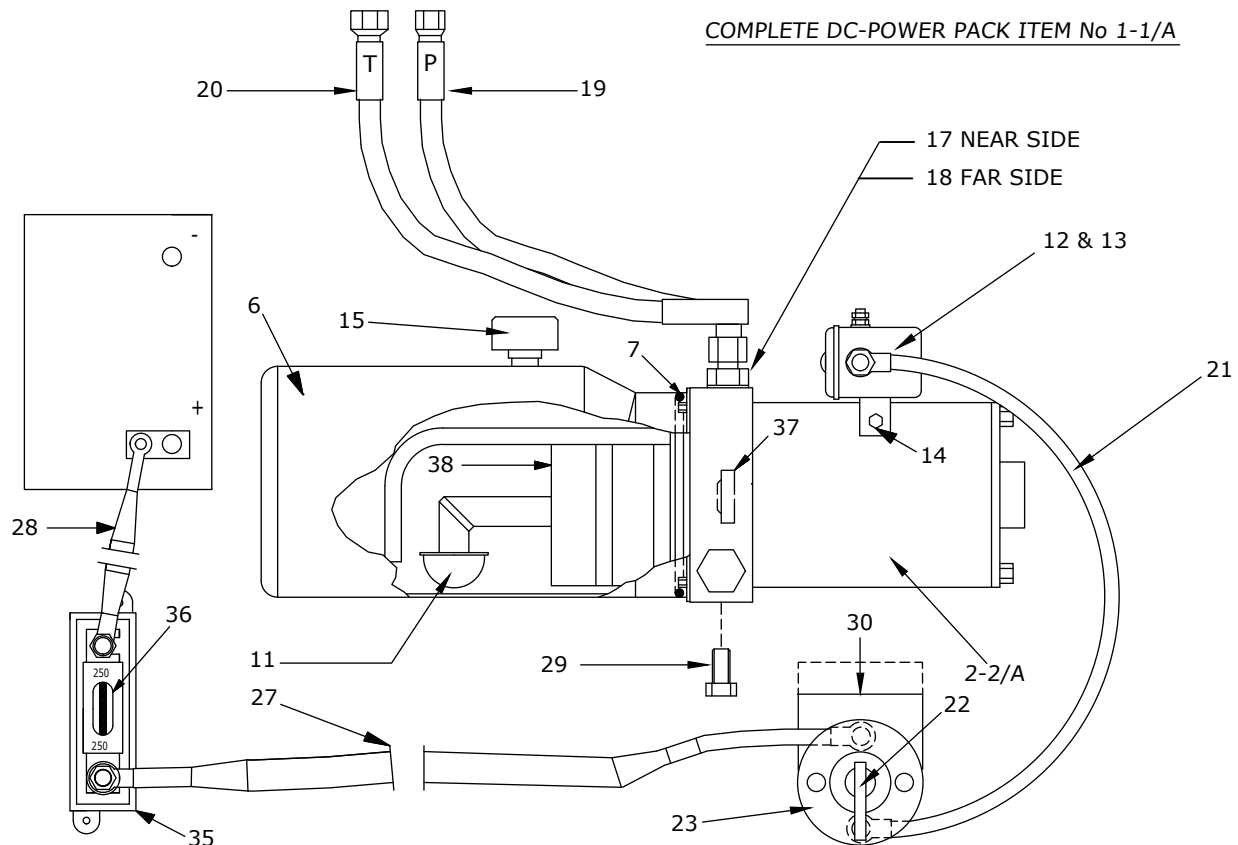
Technical drawing of a vertical pole assembly. The drawing includes the following callouts:

- 1/A**: Points to the main vertical pole.
- 2**: Points to a horizontal bracket or support structure near the base.
- 3**: Points to the base of the pole.
- 5**: Points to a horizontal bracket or support structure near the top.

[illegible]

DC - Power Pack 550/700/1000 Series

COMPLETE DC-POWER PACK ITEM No 1-1/A



Item No.	Description	QTY	Notes	Order Part No.
1	12 volt Power Pack Complete	1		1000/15/1
1A	24 volt Power Pack Complete	1		1000/15/1/A
2	12 volt Electric Motor	1		1000/15/2
2A	24 volt Electric Motor	1		1000/15/2/A
3	Smiths 12 volt Electric Motor (Blue Oil Tank)	1	Not Pictured	1000/15/2/B
4	Smiths 24 volt Electric Motor (Blue Oil Tank)	1	Not Pictured	1000/15/2/C
5	24 volt Permanent Magnet Motor	1	Not Pictured	1000/15/2/D
6	Hydraulic Oil Tank - Standard 2.8l	1		1000/15/3
7	Hydraulic Oil Tank "O Ring Seal"	1		1000/15/3/A
8	Hydraulic Oil Tank - 5.9l - 400mm Long	1	Not Pictured	1000/15/3/B
9	Hydraulic Oil Tank - 8.2l 550mm Long	1	Not Pictured	1000/15/3/C
10	Smiths Hydraulic Oil Tank (Blue Oil Tank)	1	Not Pictured	1000/15/3/SMITHS
11	Suction Filter and Plumbing Kit	1		1000/15/4
12	12 volt Starter Solenoid - 200 amp	1		1000/15/5
13	24 volt Starter Solenoid - 200 amp	1		1000/15/5/A
14	Starter Solenoid Mounting Screws	2		1000/15/5/B
15	Tank Filler/Breather - Standard with Dipstick	1		1000/15/6
16	Tank Filler/Breather - 3/4BSPP to suit 8.2l	1	Not Pictured	1000/15/6/A
17	Hydraulic Straight Adapter 9/16 JIC X 3/8 BSPP	1	Tank Port	1000/15/7
18	Hydraulic Straight Adapter 7/16 JIC X 3/8 BSPP	1	Pressure	1000/15/8
19	Hydraulic Pressure Hose	1		1000/15/9
20	Hydraulic Tank Return Hose	1		1000/15/10
21	Isolation Switch Key to start Solenoid Electric Cable	1		1000/15/11
22	Battery Isolator Key - Standard	1		1000/15/12
23	Battery Isolator Switch - Standard	1		1000/15/13
24	Battery Isolator Switch - Heavy Duty Lockable	1	Not Pictured	1000/15/13/B
25	Replacement Lock Out Kit	1	Not Pictured	1000/15/13/C
26	Lockable Isolator Switch Mount Plate	1	Not Pictured	1000/15/13/D
27	Fuse to Isolation Switch Electric Cable - 5m	1		1000/15/14
28	Battery to Fuse Electric Cable	1		1000/15/14/A
29	Motor Mounting Bolts	1		1000/15/15
30	Battery Isolator Switch Mounting Bracket - Standard	1		1000/15/16
31	Power Pack Weather Proof Enclosure (Box)	1	Not Pictured	1000/15/22
32	Power Pack Steel Cover - Top Hat Section	1	Not Pictured	1000/15/22/A
33	Power Pack Steel Cover - Floor to Cab Shield	1	Not Pictured	1000/15/22/B
34	Heavy Duty Battery Connectors (Andersen 175A)	Pair	Not Pictured	1000/15/24
35	Heavy Duty Fuse Holder - A.N.L Type	1		1000/15/24/A
36	Heavy Duty Fuse - A.N.L Type 250 amp	1		1000/15/24/B
37	Oil Tank - Pump Shaft Seal	1		1000/15/25
38	2cc Pump to suit 550,700 and 1000	1		1000/15/26
39	Power Pack Enclosure - Complete (Galvanised)	1	Not Pictured	1000/15/22/GALV
40	Power Pack Enclosure - Complete (Painted)	1	Not Pictured	1000/15/22/PAINT

Diagram showing the rear view of the device. Two ports are labeled 'T' and 'P'. Port 'T' is indicated by arrow 4, and Port 'P' is indicated by arrow 3. The device has a rectangular body with a central vertical section and a hexagonal port on the right side.

[illegible]

Diagram illustrating the HEMMER robotic arm assembly, showing various components and their connections. The diagram includes the following labels and descriptions:

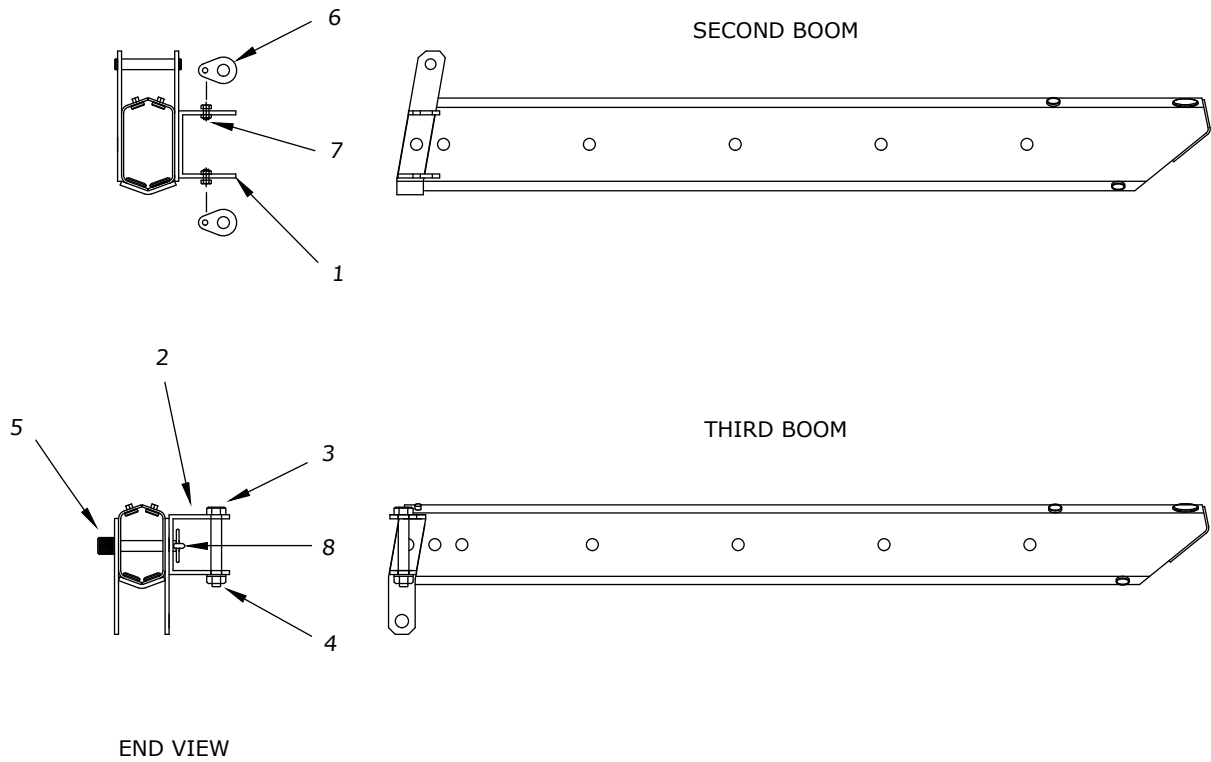
- 1**: Main vertical support structure.
- 2**: Hydraulic cylinder/motor assembly.
- 3**: Hydraulic hose connection point.
- 4**: Hydraulic hose.
- 5**: Hydraulic cylinder/motor assembly.
- 6**: Hydraulic hose.
- 7**: Hydraulic cylinder/motor assembly.
- 8**: Hydraulic hose.
- 9**: Hydraulic hose.
- 10**: Hydraulic hose.
- 11**: Hydraulic hose.
- 12**: Hydraulic hose.

ALL OTHER COMPONENTS PREVIOUS PAGE

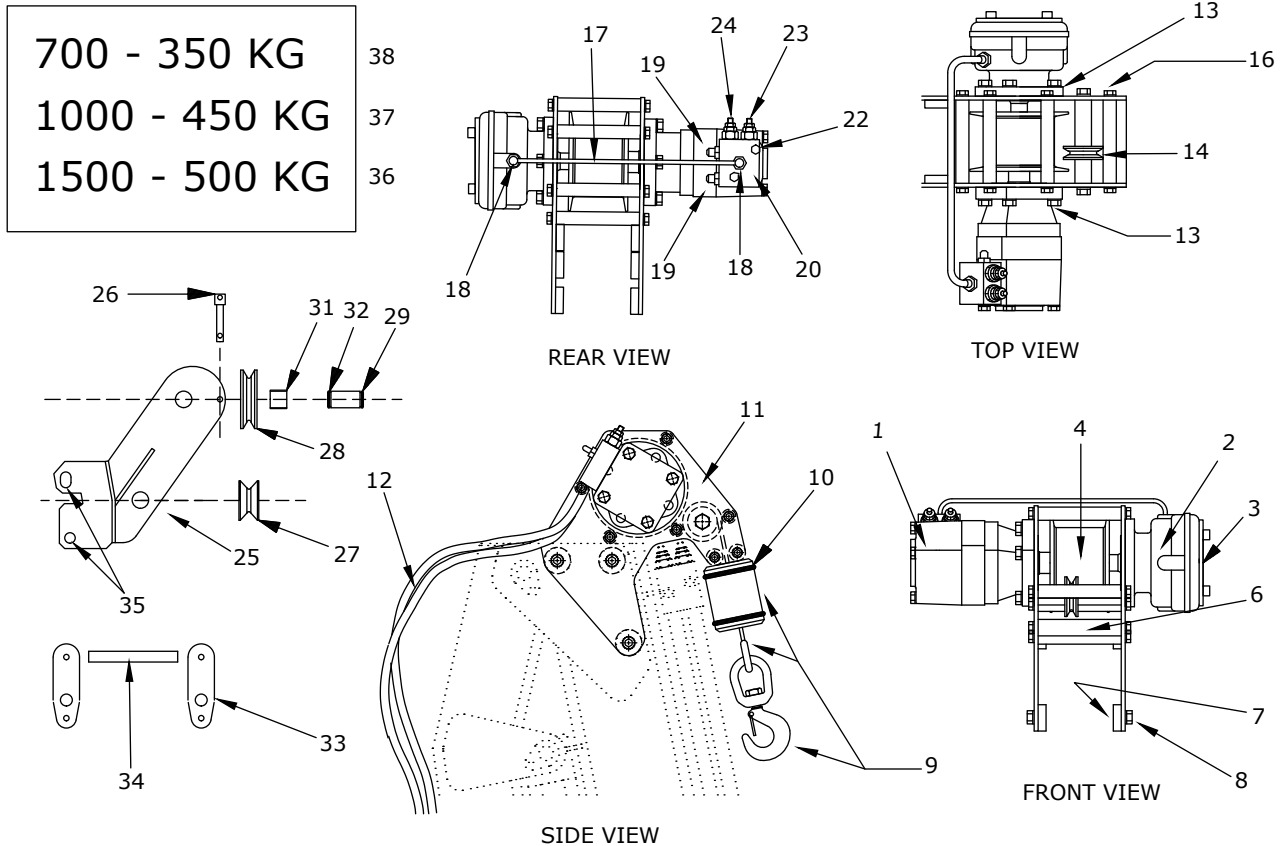
POWER PACK HOSES
REF PAGE 39

[illegible]

Dual Hydraulic Mountings **1000/1500 Series**

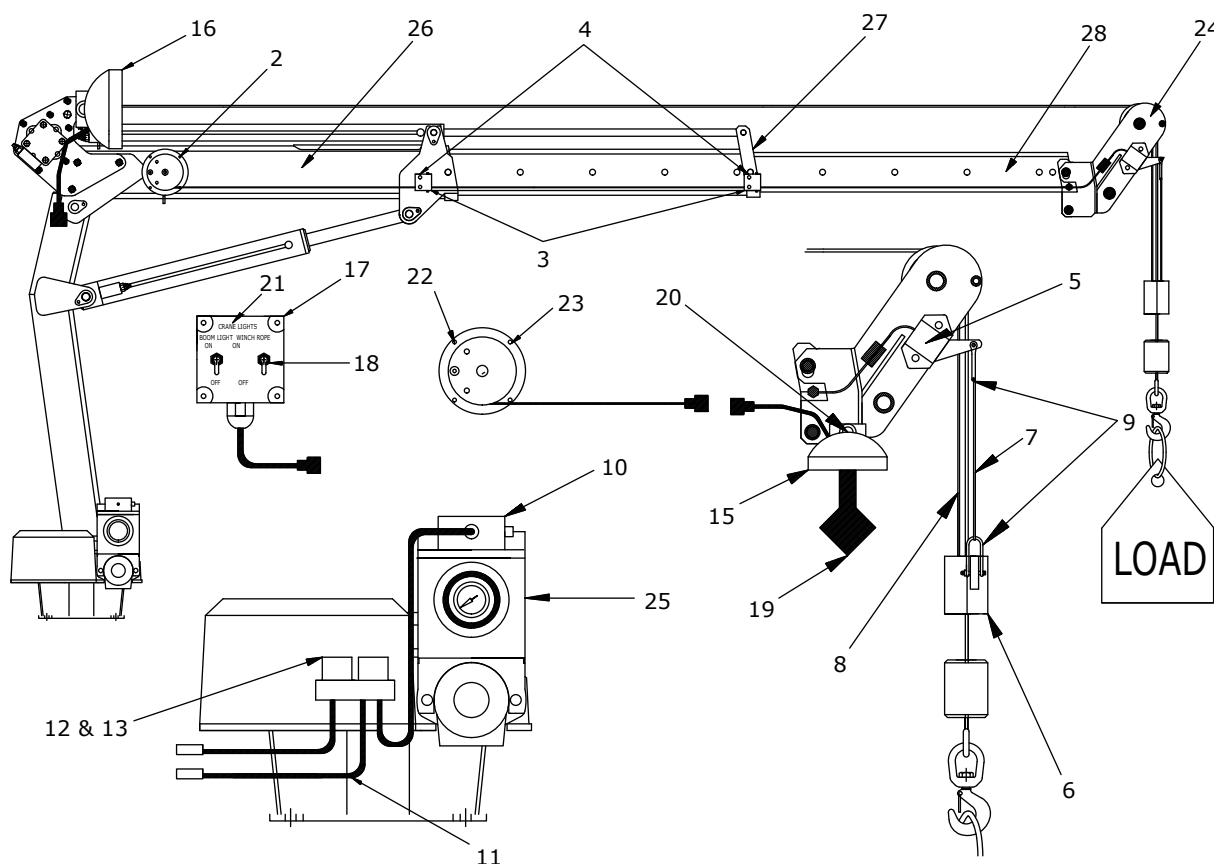
[illegible]

Hydraulic Winch All Models

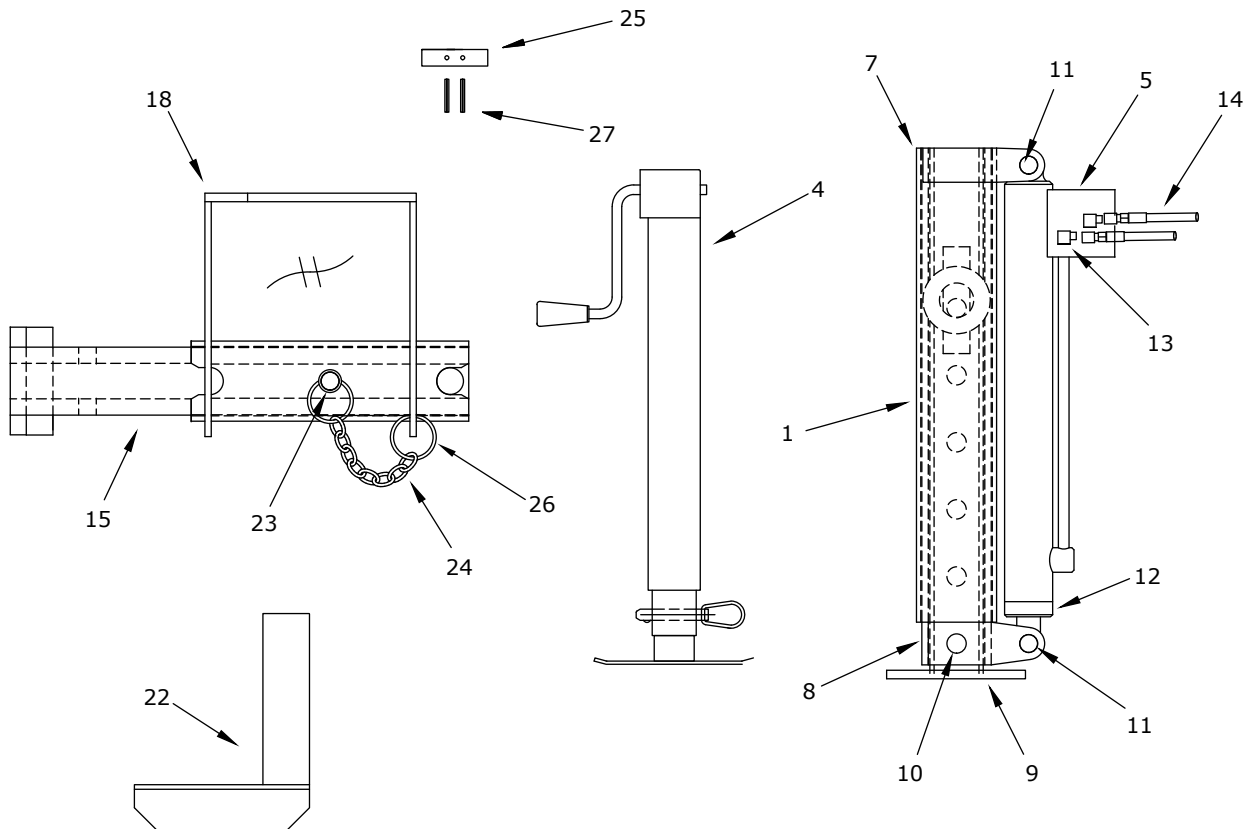


Item No.	Description	QTY	Notes	Order Part No.
1	Hydraulic Drive Motor	1		1000/20/1
2	Hydro-Mechanical Brake	1		1000/20/2
3	Brake Cover Plate (Including Bolts)	1		1000/20/2/A
4	Rope Drum	1		1000/20/3
5	Rope Retaining Wedge	1	Not Pictured	1000/20/3/A
6	Side Plate Joiner Bars	9		1000/20/4
7	Weld on Mounting Discs	6		1000/20/5
8	Side Plate Mounting Bolts	6		1000/20/6
9	Winch Rope Assembly (Inc Weight Block and Hook)	1		1000/20/7
10	"O" Ring To Suit Weight Block	2		1000/20/7/A
11	Side Plates	2		1000/20/8
12	Winch Hoses	2		1000/20/9
13	Motor and Brake Mounting Bolts	4		1000/20/10
14	Rope Guidance Wheel (Winch)	1		1000/20/11
15	Bearing to suit 1000/20/11	1	Not Pictured	1000/20/11/A
16	Side Plate Joiner Bar Bolts	18		1000/20/12
17	Winch Brake Release Hose	1		1000/20/13
18	Brake and Motor Hydraulic Adapters	2		1000/2/5
19	Hydraulic Elbow Adapters	2		1000/22/17
20	Load Holding Valve Body	1		1000/20/16
21	Load Holding Valve Body "O" Rings	2		1000/20/16/A
22	Load Holding Valve Body Mounting Bolts	2	Not Pictured	1000/20/17
23	Load Holding Valve Cartridge	1		1000/20/18
24	Brake Shuttle Valve Cartridge	1		1000/20/19
25	Rope Sheave Complete	1		1000/20/20
26	Wire Rope Retaining Pin - Sheave	1		1000/20/20/A
27	Rope Sheave Small Guide Wheel	1		1000/20/20/B
28	Rope Sheave Large Guide Wheel	1		1000/20/21
29	Rope Sheave Guide Wheel Pins - 25mm	2		1000/20/21/A
30	Grease Nipple to suit Guide Wheel Pins	2	Not Pictured	1000/20/21/B
31	Bearing to suit Rope Guide Wheels - Sheave	2		1000/20/21/C
32	Guide Wheel Pin Retaining Circlip	2	2 Per Pin	1000/3/3
33	Hook Storage Tear Drop Plate	2		1000/20/22
34	Tear Drop Joiner Bar Including Bolts	1		1000/20/23
35	Sheave Locking Pins - Including Retaining Clips	2		1000/4/13
36	SWL Decal - 500kg	1		1000/20/32
37	SWL Decal - 450kg	1		1000/20/32/A
38	SWL Decal - 350kg	1		1000/20/32/B
39	Dual Extension Guide Bracket to suit Winch	1	Not Pictured	1000/20/35
40	Guide Bracket Retaining Bolts	2	Not Pictured	1000/20/35/A
41	Winch Rope Retaining Clamp	1	Not Pictured	1000/20/3/A

Anti Two Block Kit (Mechanical) and Work Lights

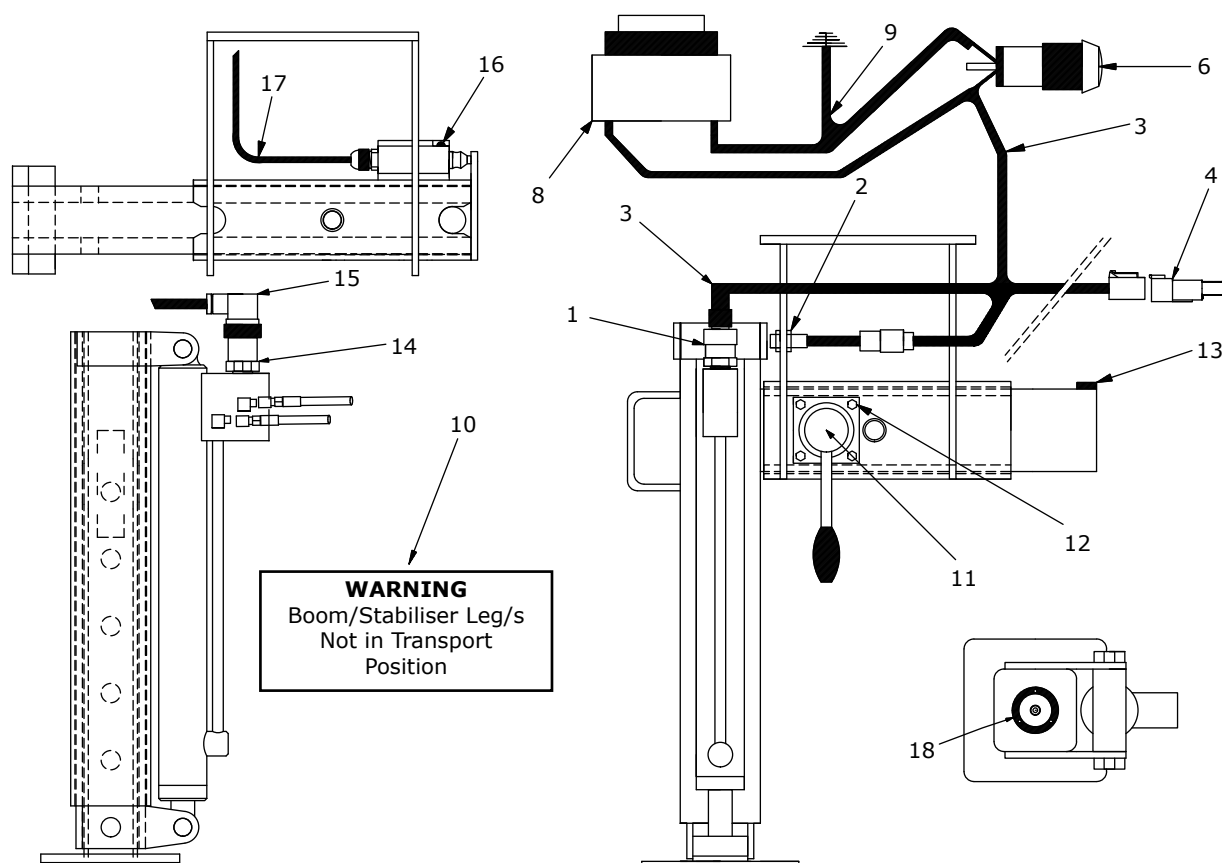
[illegible]

Swing Up Extending Hydraulic and Manual Leg **All Models**

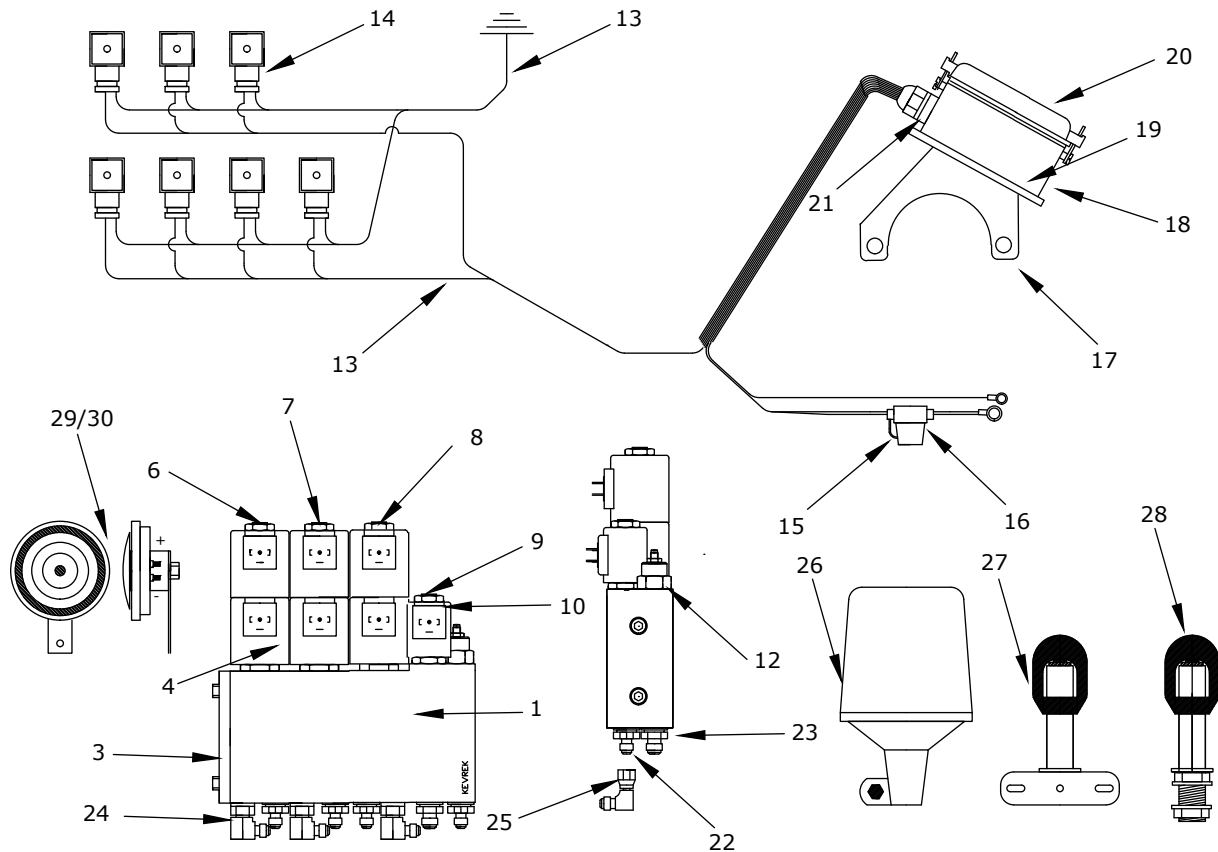
[illegible]

Stabiliser Leg Monitoring System/ Load Limiter

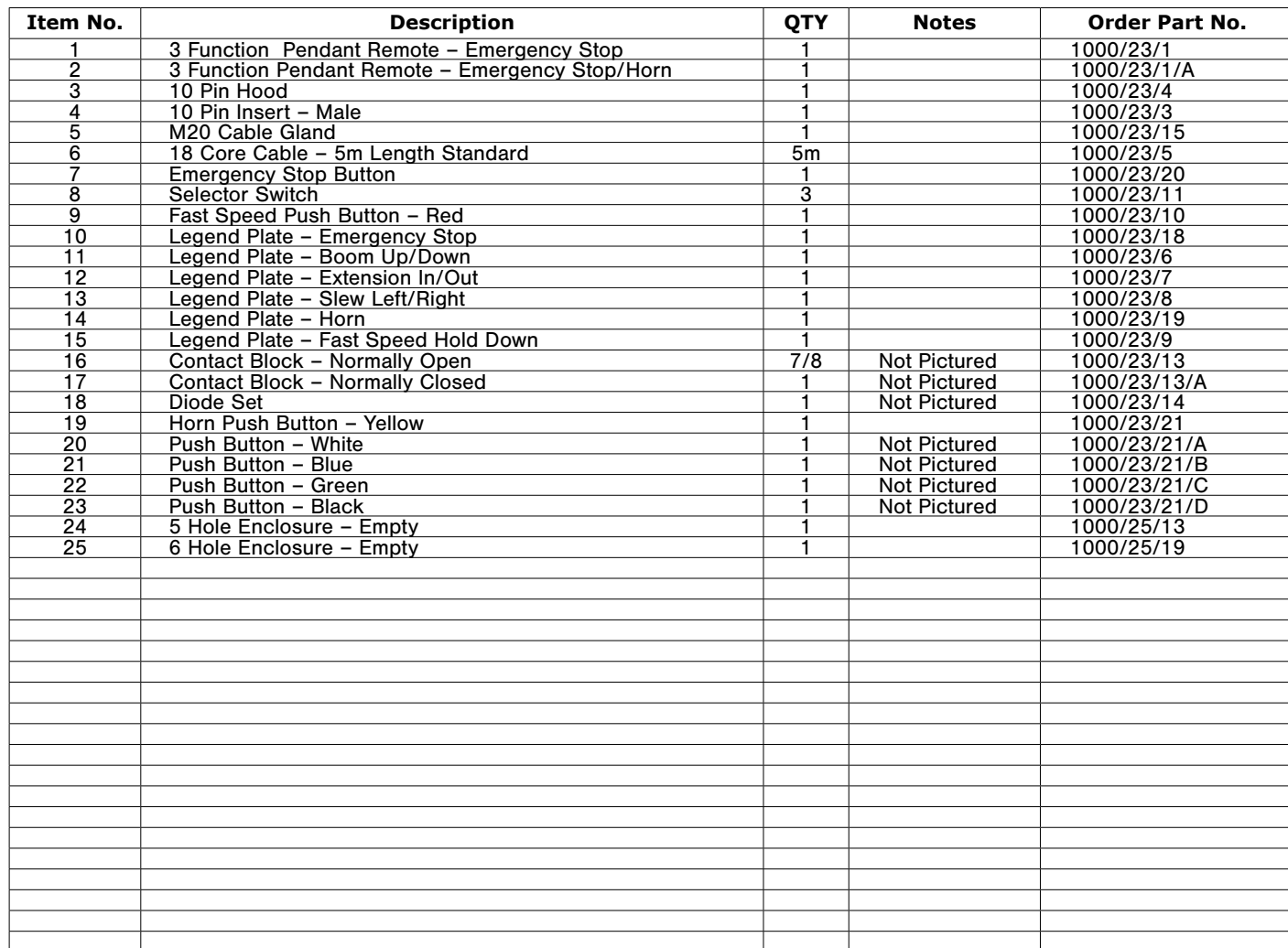
1500 Series

[illegible]

3 Function 2 Speed Electric Valve **All Models**

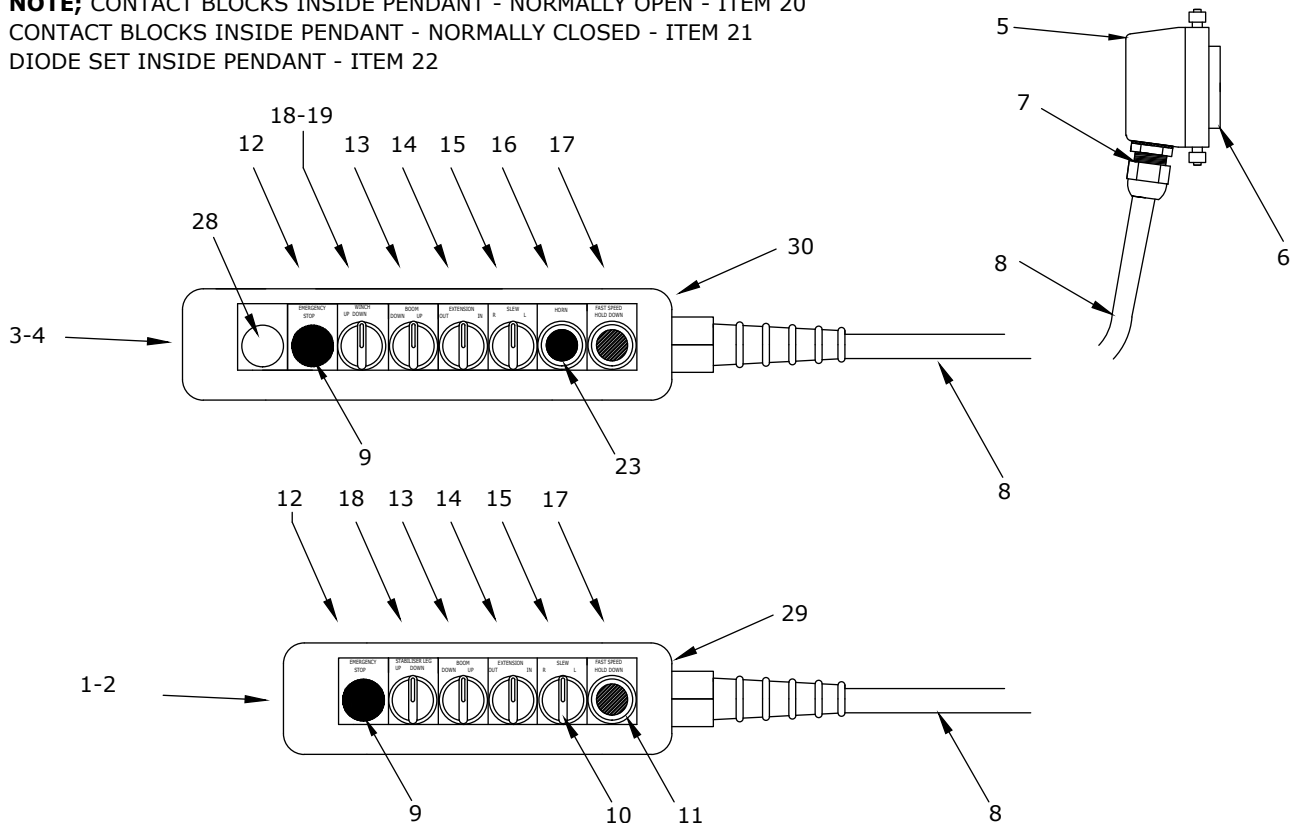
[illegible]

NOTE; CONTACTS INSIDE PENDANT - NORMALLY OPEN - ITEM 16
CONTACTS INSIDE PENDANT - NORMALLY CLOSED - ITEM 17
DIODE SET INSIDE PENDANT - ITEM 18



4 Function 2 Speed Electric Pendant All Models

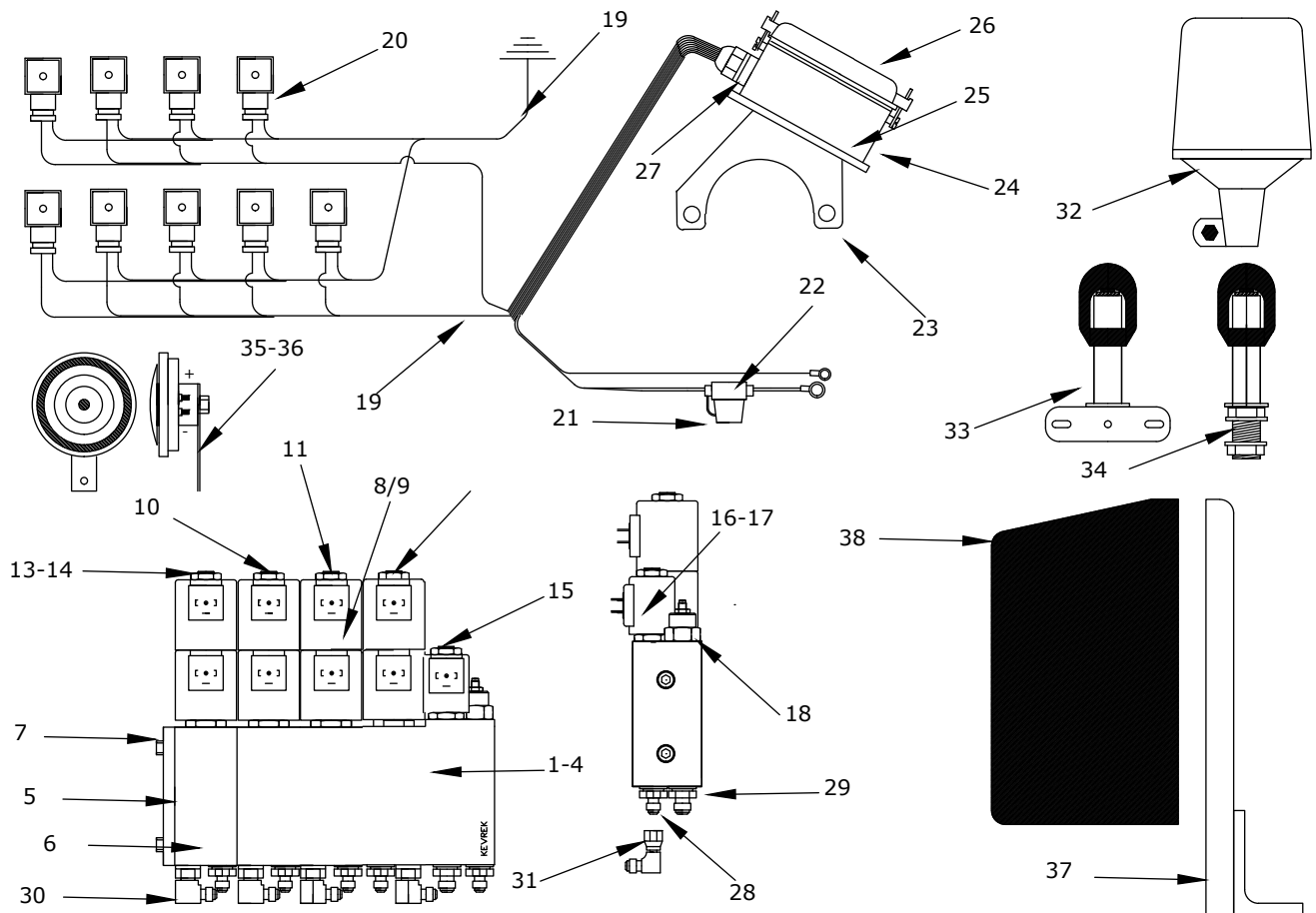
NOTE; CONTACT BLOCKS INSIDE PENDANT - NORMALLY OPEN - ITEM 20
CONTACT BLOCKS INSIDE PENDANT - NORMALLY CLOSED - ITEM 21
DIODE SET INSIDE PENDANT - ITEM 22



Item No.	Description	QTY	Notes	Order Part No.
1	4 Function Pendant- Emergency Stop/Stabiliser Leg	1	Specify	1000/25/1/4/L
2	4 Function Pendant - Emergency Stop/Hydraulic Winch	1	Specify	1000/25/1/4/W
3	4 Function Pendant- Emergency Stop/Horn/Stabiliser Leg	1	Specify	1000/25/1/4/H/L
4	4 Function Pendant-Emergency Stop/Horn/Hydraulic/Winch	1	Specify	1000/25/1/4/H/W
5	16 Pin Hood	1		1000/25/4
6	16 Pin Male Insert	1		1000/25/3
7	M25 Cable Gland	1		1000/24/18
8	18 Core Cable - 5m Length Standard	5m		1000/23/5
9	Emergency Stop Button	1		1000/23/20
10	Selector Switch	4		1000/23/11
11	Fast Speed Button - Red	1		1000/23/10
12	Legend Plate - Emergency Stop	1		1000/23/18
13	Legend Plate - Boom Up/Down	1		1000/23/6
14	Legend Plate - Extension In/Out	1		1000/23/7
15	Legend Plate - Slew Left/Right	1		1000/23/8
16	Legend Plate - Horn	1		1000/23/19
17	Legend Plate - Fast Speed Hold Down	1		1000/23/9
18	Legend Plate - Stabiliser Leg Up/Down	1		1000/25/17
19	Legend Plate - Winch Up/Down	1		1000/25/16
20	Contact Block - Normally Open	8-9	Not Pictured	1000/23/13
21	Contact Block - Normally Closed	1	Not Pictured	1000/23/13/A
22	Diode Set - 4 Function	1	Not Pictured	1000/25/14
23	Horn Push Button - Yellow	1		1000/23/21
24	Push Button - White	1	Not Pictured	1000/23/21/A
25	Push Button - Blue	1	Not Pictured	1000/23/21/B
26	Push Button - Green	1	Not Pictured	1000/23/21/C
27	Push Button - Black	1	Not Pictured	1000/23/21/D
28	Pendant Blanking Plug	1		1000/25/22
29	6 Hole Enclosure - Empty	1		1000/25/19
30	8 Hole Enclosure - Empty	1		1000/25/21

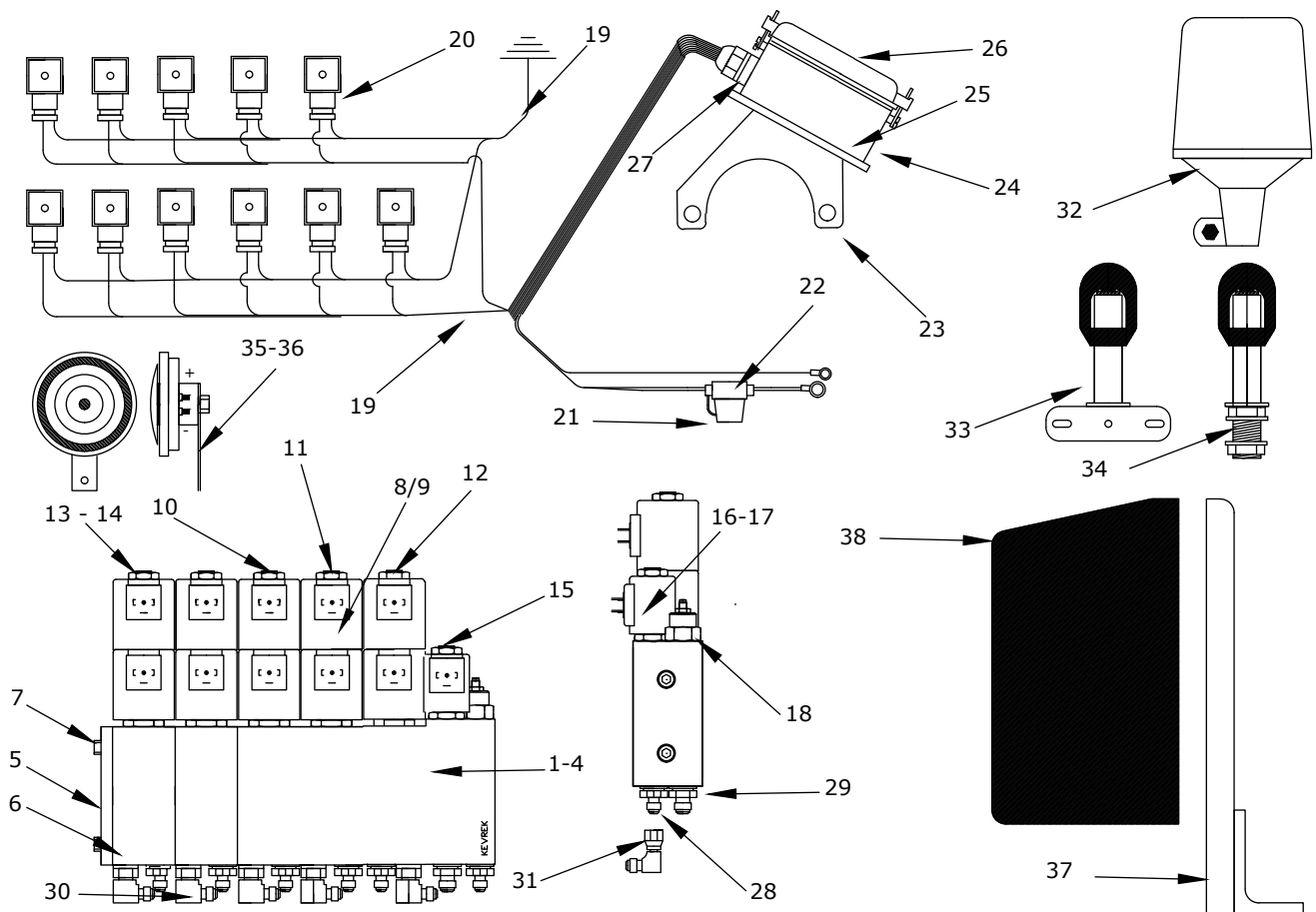
NOTE - IF THE PENDANT IS TO SUIT A 3 SENSOR LOAD LIMITER SYSTEM PLEASE SPECIFY WHEN ORDERING

4 Function 2 Speed Electric Valve All Models



Item No.	Description	QTY	Notes	Order Part No.
1.	12V 4/F Electric DCV – Stabiliser Leg	1		1000/24/1/12/L
2	12V 4/F Electric DCV – Hydraulic Winch			1000/24/1/12/W
3	24V 4/F Electric DCV – Stabiliser Leg			1000/24/1/24/L
4	24V 4/F Electric DCV – Hydraulic Winch			1000/24/1/24/W
5	Manifold Blanking Plate	1		1000/22/1/B
6	Single Manifold – Modular	1		1000/22/1/A
7	Manifold Retaining Bolts – M8 x 75mm	4		1000/24/19
8	Large Coil – 10 12 volt	8		1000/22/2
9	Large Coil – 10 24 volt	8		1000/22/2/A
10	D Spool – Lift	1		1000/22/3
11	D Spool – Extension	1		1000/22/3
12	C Spool – Slew	1		1000/22/5
13	C Spool – Stabiliser Leg	1		1000/22/5
14	D Spool – Hydraulic Winch	1		1000/22/3
15	Fast Speed Cartridge	1		1000/22/7
16	Small Coil 08 12 volt	1		1000/22/6
17	Small Coil – 08 24 volt	1		1000/22/6/A
18	Flow Control – Slow Speed	1		1000/22/8
19	Coil & Earth Wiring Harness 4 Spool DCV	1		1000/24/11/4F
20	Connector DIN Plug	9		1000/22/21/A
21	Blade Fuse Holder	1		1000/22/12
22	Blade Fuse- 5 amp	1		1000/2/14/A
23	Plug Mount Plate	1		1000/22/14
24	16 Pin Connector Base	1		1000/24/15
25	16 Pin Connector Insert – Female	1		1000/24/16
26	Replacement Lid – 16 Pin	1		1000/24/15/B
27	M25 Cable Gland	1		1000/24/18
28	Adapter 7/16 JIC	6		1000/2/5
29	Adapter 9/16 JIC	1		1000/2/6
30	Adapter 7/16 JIC 90 Degree	4		1000/22/17
31	Adapter 7/16 JIC Male/Female 90 Degree	5		1000/22/18
32	“Remote in Operation” Indicating Beacon	1		1000/30/24
33	Beacon Mount 90 Degree	1		1000/30/24/A
34	Beacon Mount Straight	1		1000/30/24/B
35	Horn 12 volt	1		1000/30/26
36	Horn 24 volt	1		1000/30/26/A
37	DCV Mount Plate 4 Spool	1		1000/24/20
38	DCV Plastic Cover 4 Spool	1		1000/24/21
39	Cover Retaining Screws	4		1000/1/28

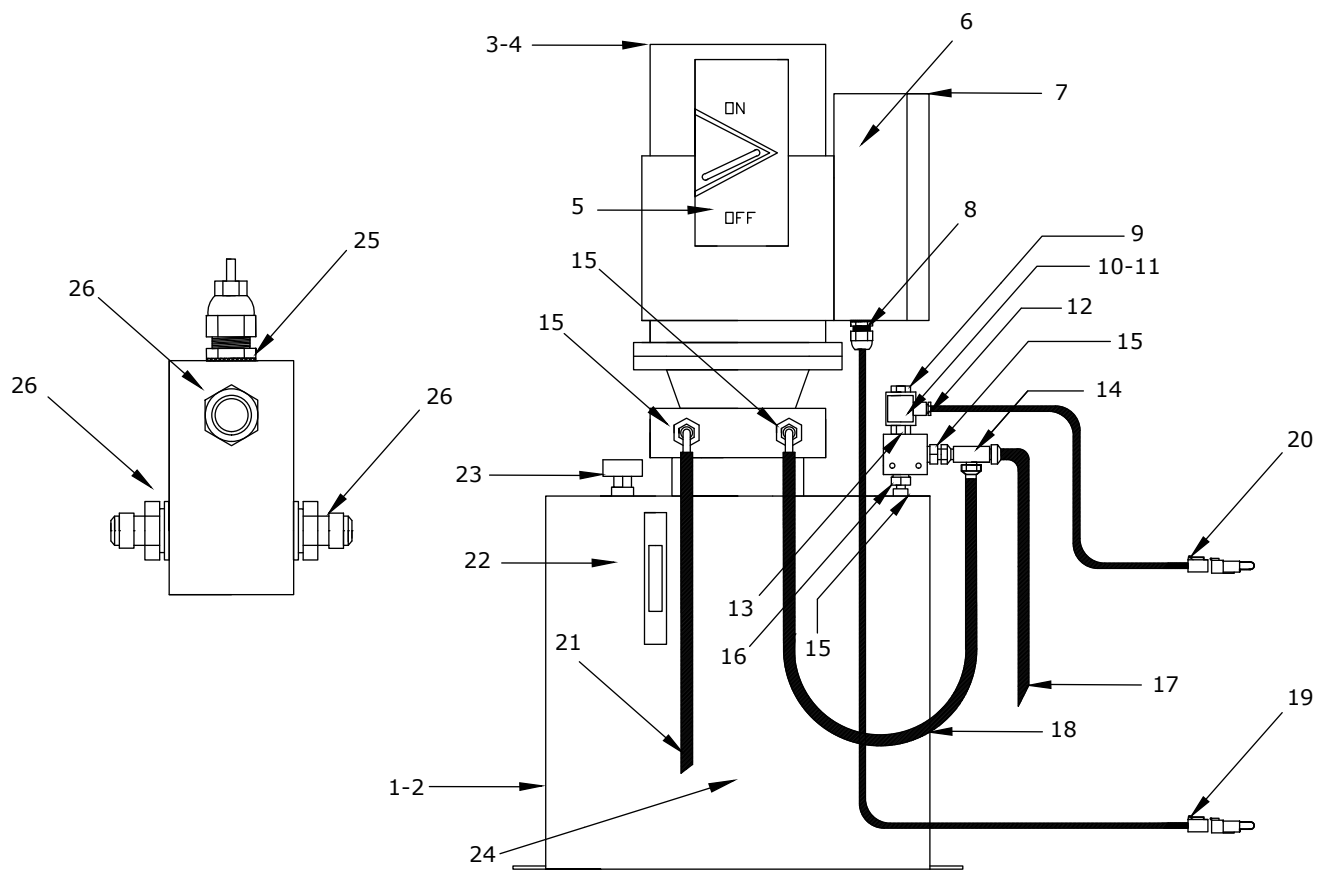
5 Function 2 Speed Electric Valve All Models



Item No.	Description	QTY	Notes	Order Part No.
1	12V 5/F Electric DCV - Stabiliser Leg X 2	1		1000/26/1/12V/LL
2	24V 5/F Electric DCV - Stabiliser Leg X 2			1000/26/1/24V/LL
3	12V 5/F Electric DCV - Stabiliser Leg/Hydraulic Winch			1000/26/1/12V/WL
4	24V 5/F Electric DCV - Stabiliser Leg/Hydraulic Winch			1000/26/1/24V/WL
5	Manifold Blanking Plate	1		1000/22/1/B
6	Single Manifold - Modular	2		1000/22/1/A
7	Manifold Retaining Bolts M8x150mm	4		1000/26/2
8	Large Coil -10 12 volt	10		1000/22/2
9	Large Coil -10 24 volt	10		1000/22/2/A
10	D Spool - Lift	1		1000/22/3
11	D Spool - Extension	1		1000/22/3
12	C Spool - Slew	1		1000/22/5
13	C Spool - Stabiliser Leg	1-2		1000/22/5
14	D Spool - Hydraulic Winch	1		1000/22/3
15	Fast Speed Cartridge	1		1000/22/7
16	Small Coil -08 12 volt	1		1000/22/6
17	Small Coil -08 24 volt	1		1000/22/6/A
18	Flow Control - Slow Speed	1		1000/22/8
19	Coil and Earth Wiring Harness 5 Spool	1		1000/26/11/5F
20	Connector - DIN Plug	11		1000/22/21/A
21	Blade Fuse Holder	1		1000/22/12
22	Blade Fuse - 5 amp	1		1000/2/14/A
23	Plug Mount Plate	1		1000/22/14
24	16 Pin Connector Base	1		1000/24/15
25	16 Pin Connector Insert - Female	1		1000/24/16
26	Replacement Lid - 16 Pin	1		1000/24/15/B
27	M25 Cable Gland	1		1000/24/18
28	Adapter 7/16 JIC	8		1000/2/5
29	Adapter 9/16 JIC	1		1000/2/6
30	Adapter 7/16 JIC 90 Degree	6		1000/22/17
31	Adapter 7/16 JIC Male/Female 90 Degree	7		1000/22/18
32	"Remote in Operation" Indicating Beacon	1		1000/30/24
33	Beacon Mount 90 Degree	1		1000/30/24/A
34	Beacon Mount Straight	1		1000/30/24/B
35	Horn 12 volt	1		1000/30/26
36	Horn 24 volt	1		1000/30/26/A
37	Control Valve - Mount Plate 5 Spool	1		1000/26/3
38	Mount Plate Cover 5 Spool	1		1000/26/4
39	Cover Retaining Screws	4		1000/1/28

240v - 415v Pump Unit

All Models

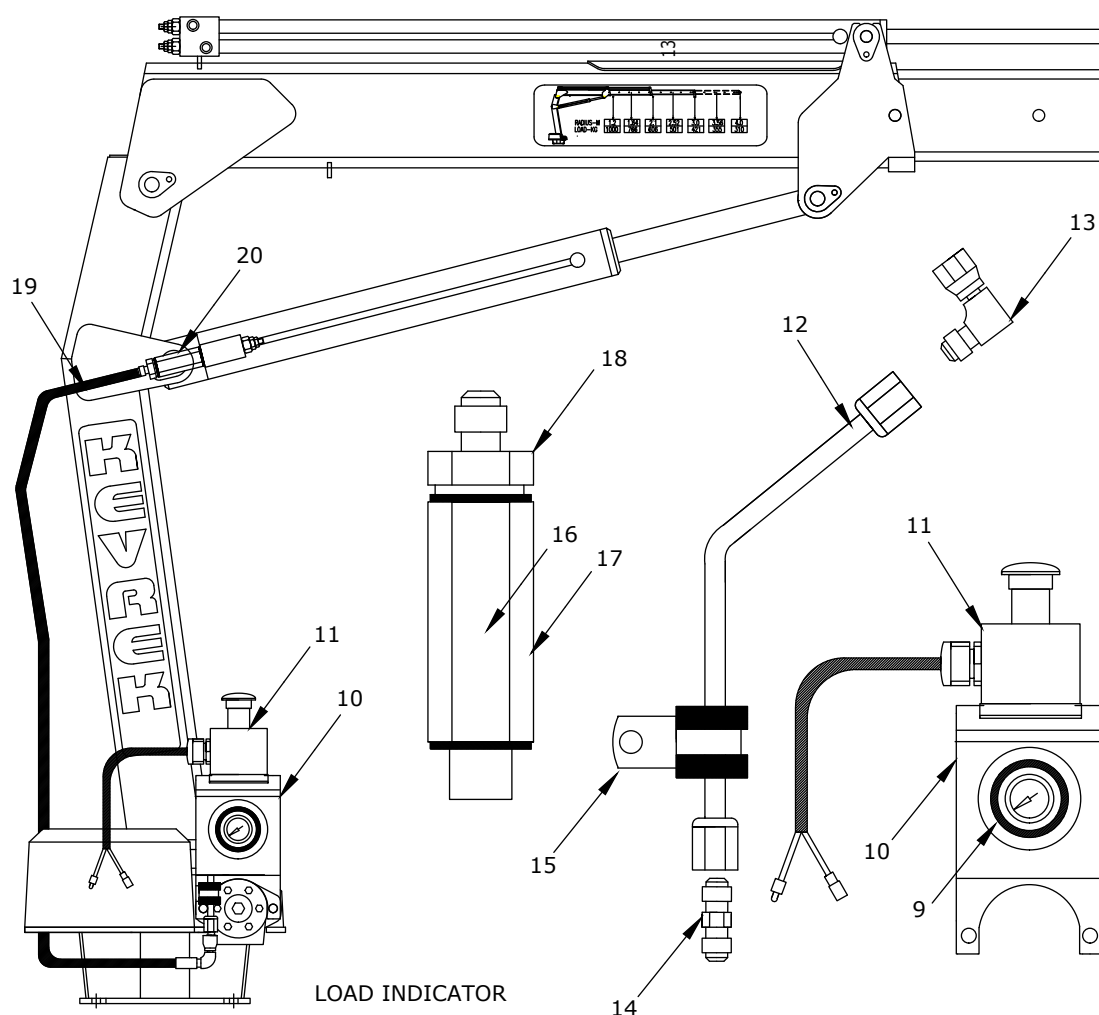
[illegible]

NOTE; WHEN BLUE & WHITE WIRE GOES TO POWER IT IS CONFIGURED FOR A K1500, WHEN THE BLUE & WHITE WIRE GOES TO EARTH IT IS CONFIGURED TO A K1000

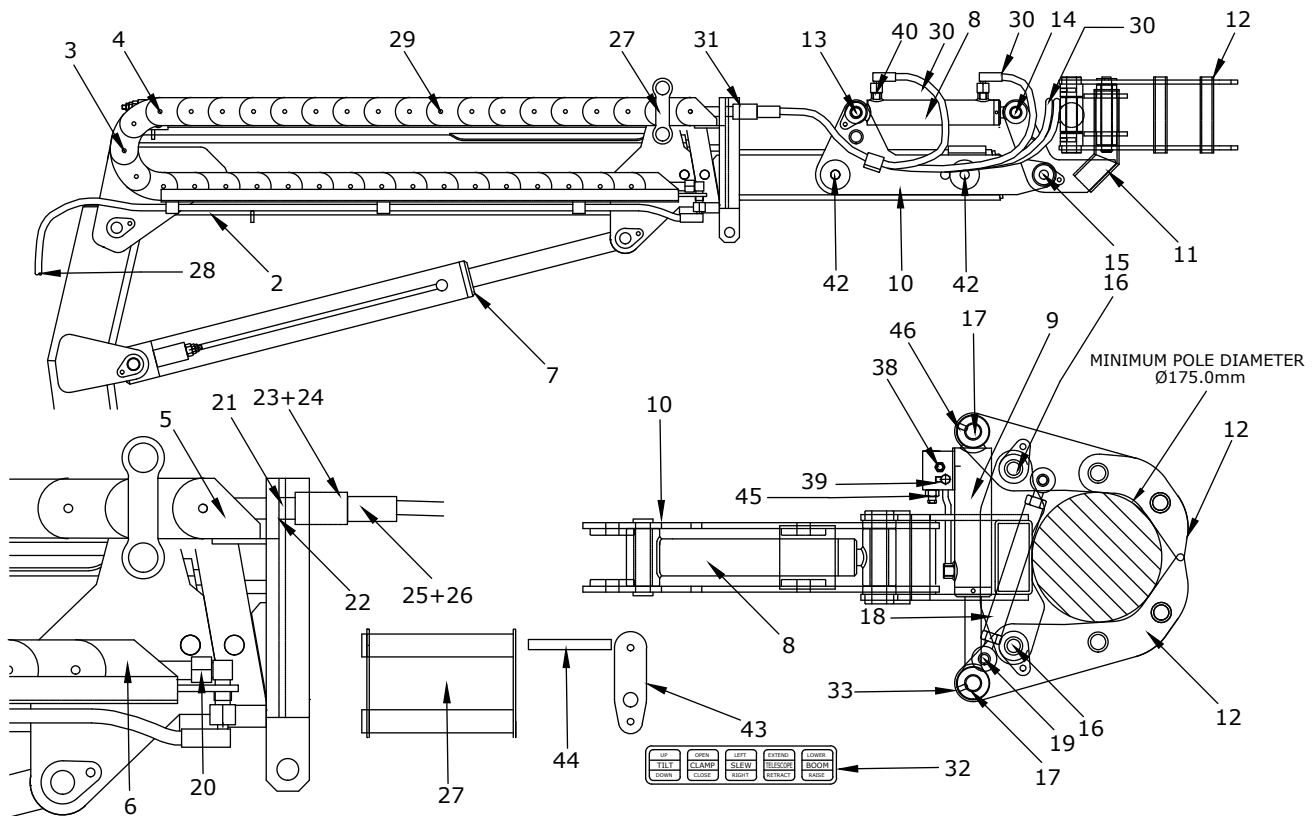
[illegible]

Load Indicators

All Models

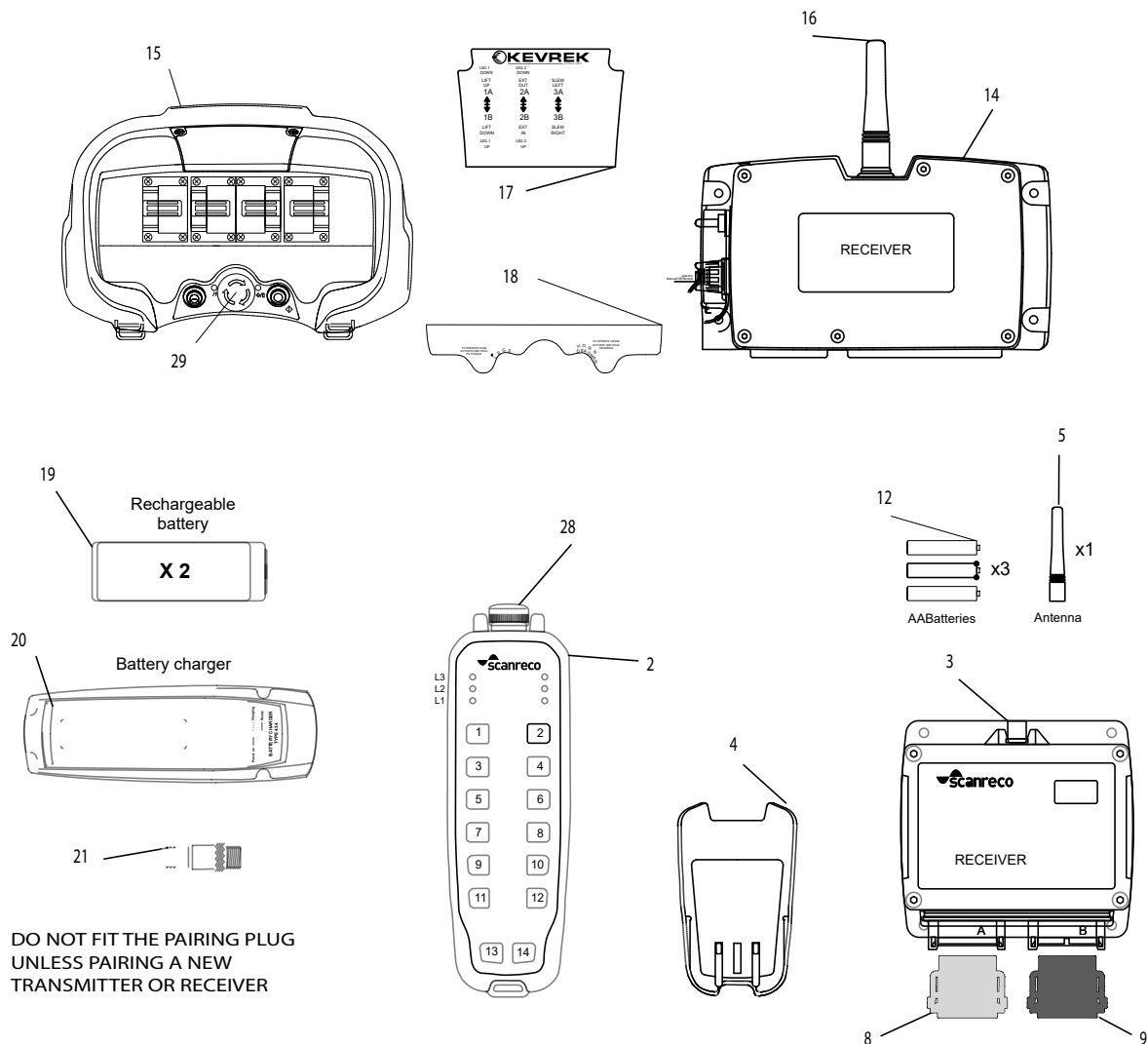
[illegible]

Pole Grab K1000/K1500 Series



Item No.	Description	QTY	Notes	Order Part No.
1	Pole Grab Assembly – Complete	1		1000/40/1
2	Hose Chain Tray – Steel	1		1000/40/2
3	Hose Chain Links (16p/m 35 per Crane)	35		1000/40/3
4	Hose Chain Track Dividers – Inside Chain	12		1000/40/4
5	One Piece Steel End – Male – 3rd Boom	1		1000/40/5
6	One Piece Steel End – Female – Steel Tray	1		1000/40/5/A
7	Lift Cylinder – Stainless Steel Rod	1		1000/40/6
8	Tilt Cylinder	1		1000/40/7
9	Clamp Cylinder	1		1000/40/8
10	Grab Attachment Arm	1		1000/40/9
11	Tilt Body	1		1000/40/10
12	Claws	2		1000/40/11
13	Tilt Cylinder Attachment Pin – Piston End	1		1000/40/12
14	Tilt Cylinder Attachment Pin – Gland End	1		1000/40/13
15	Tilt Body Attachment Pin	1		1000/40/14
16	Claw to Tilt Body Retaining Pin	2		1000/40/15
17	Clamp Cylinder Retaining Pins – Claws	2		1000/40/16
18	Tie Rod	1		1000/40/17
19	Tie Rods Ends – M12	2		1000/40/18
20	Bulkhead Fitting 90 degree Chain Tray End	4		1000/40/19
21	Bulkhead Fitting Straight 1/4 BSPP 3rd Boom	2		1000/40/20
22	Bulkhead Fitting Straight 3/8 BSPP 3rd Boom	2		1000/40/21
23	Breakaway Coupling 1/4 Male – Near Side	2		1000/40/22
24	Breakaway Coupling 1/4 Female –Far Side	2		1000/40/22/A
25	Breakaway Coupling 3/8 Male – Far Side	2		1000/40/23
26	Breakaway Coupling 3/8 Female – Far Side	2		1000/40/23/A
27	Steel Tracking Guide	1		1000/40/24
28	Hose – DCV to Chain Tray	4		1000/40/25
29	Hose – Bulkhead Tray to Bulkhead 3rd Boom	4	Inside	1000/40/26
30	Hose – Bulkhead 3rd Boom to Clamp & Tilt Cylinder	4		1000/40/27
31	Bulkhead Mount Plate	1		1000/40/28
32	Control Valve Decal	1		1000/40/29
33	Pin Retaining Grub Screws	6		1000/40/30
34	Plastic Dust Cap to Suit 1/4 B/A Male	2	Not Pictured	1000/40/31
35	Plastic Dust Cap to Suit 1/4 B/A Female	2	Not Pictured	1000/40/31/A
36	Plastic Dust Cap to Suit 3/8 B/A Male	2	Not Pictured	1000/40/32
37	Plastic Dust Cap to Suit B/A Female	2	Not Pictured	1000/40/32/A
38	Clamp Cylinder Fitting	1		1000/8/9
39	Clamp Cylinder Fitting 90 degree	1		1000/8/10
40	Tilt Cylinder Fittings	2		1000/2/5
41	7/16 UNO Plug	2	Not Pictured	1000/8/11
42	Boom Locking Pin	4		1000/6/2
43	Hook Storage Teardrop	1		1000/20/22
44	Hook Storage Joiner Bar	1		1000/20/23
45	Load Holding Valve – Clamp Cylinder	1		1000/8/4
46	Bearing Cylinders all Pivot Points	12	No Pictured	1000/20/11/A
47	Control Valve – see page 26	1		1000/2/19

Radio Remote All Models



Item No.	Description	QTY	Notes	Order Part No.
1	G5 Rocket Complete Radio Remote System - Sandvik		2,3,4,5,6,8,9,12	1000/60/6
2	G5 Replacement Transmitter - Specify Serial Number	1		1000/60/6/A
3	G5 Rocket Replacement Receiver - Specify Serial Number	1		1000/60/6/B
4	G5 Rocket Transmitter/Rechargeable Battery Holder	1		1000/60/6/C
5	G5 Rocket Replacement Aerial	1		1000/60/6/D
6	G5 Rocket Wiring Harness - Standard Crane		Not Pictured	1000/60/9
7	G5 Rocket Wiring Harness - Load Limiter Crane		Not Pictured	1000/60/9/A
8	G5 Grey 12 Pin Connector	1		1000/60/9/B
9	G5 Black 12 Pin Connector	1		1000/60/9/C
10	G5 Rocket 12 Pin Connector Wedge		Not Pictured	1000/60/9/D
11	G5 Rocket Blanking Plug Connectors		Not Pictured	1000/60/9/E
12	G5 Rocket AA Rechargeable Batteries	3		1000/60/9/F
13	G4 Fully Proportional 4-6 Function Radio Remote Control		14,15,16,17,18,19,20,21	1000/60/8
14	G4 Replacement Receiver	1		1000/60/8/E
15	G4 Replacement Transmitter	1		1000/60/8/A
16	G4 Replacement Aerial	1		1000/60/4
17	G4 Transmitter Upper Decal	1		1000/60/8/J
18	G4 Transmitter Lower Decal	1		1000/60/8/K
19	G4 Replacement Battery	1		1000/60/8/B
20	G4 Battery Charger/Holder C/W Plug	1		1000/60/8/C
21	G4 Yellow Pairing Dongle	1		1000/60/8/F
23	G2 Fully Proportional 6-8 Function Radio Remote Complete		Not Pictured	1000/60/7
24	G2 Replacement Receiver - Specify Serial Number		Not Pictured	1000/60/7/A
25	G2 10 Replacement Manual Operation Cord		Not Pictured	1000/60/7/B
26	G2 Replacement Transmitter - Specify Serial Number		Not Pictured	1000/60/7/C
28	G5 Transmitter Replacement Emergency Stop	1		1000/60/9/G
29	G4 Transmitter Replacement Emergency Stop	1		1000/60/11

This page has been left Intentionally blank

***Please Contact your Nearest Kevrek Dealer
for all your Sales and Service Requirements***



Kevrek (Australia) Pty Ltd

152 -156 Beringarra Avenue

MALAGA WA 6090

Phone: (08) 9248 5922

Fax: (08) 9248 5966

Website: www.kevrek.com.au