

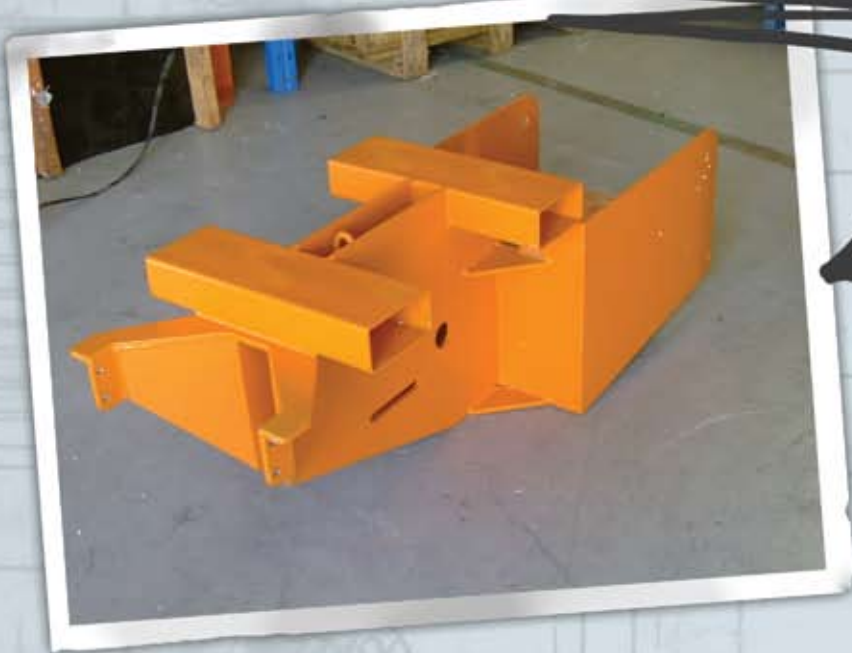


SCORPION



SCORPION JACKS

BUILT TOUGH TO LAST



- ← Heavy duty, all welded, steel chassis forms the backbone of these incredibly rugged jacks.
- ↓ All air lines are totally protected within the boxed steel handle.
- ↓ Hydraulic steel tubes not located under the hinged cover are mounted well below the top of the chassis and behind the wheels for added protection.

Fully protected yet easily accessible:

- Hydraulic pump
- Air silencer
- Directional Valve
- Hydraulic Relief Valve
- Counterbalance Valve
- Reservoir Filler/Breather
- Hydraulic Return Line Filter
- Most of the High Pressure Oil Tubes

Protected by the steel cover yet accessible from the rear is the air filter, regulator, lubricator, pressure gauge and pressure relief valve.



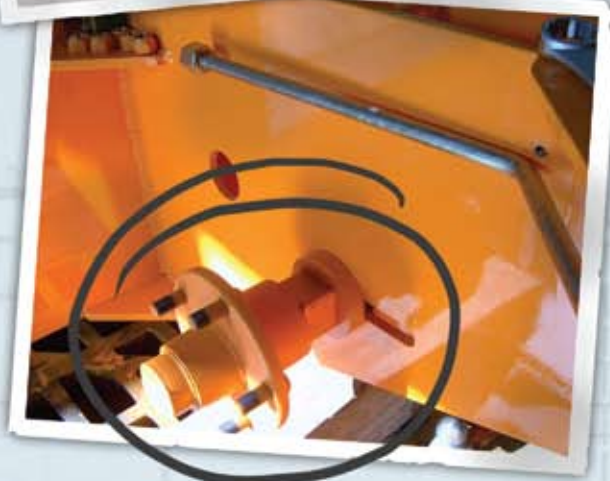
The availability of your mining equipment is only as good as the reliability of your service equipment.



Slim line design makes Scorpion the narrowest jack in its class on the market. This reduces the effort required to move and position the jack and leaves more available space for stands etc.



Adjustable handle height can be quickly changed to the most comfortable operator position, reducing back strain. Optional Handle Hinge mechanism allows for near vertical storage of handle to reduce congestion on your workshop floor.



Slotted axle mounting allows the balance of the jack to be set to that most comfortable for the operator. Tapered roller bearings in wheel hubs reduce the effort needed to move the jack.



Unique trunnion mount allows the jacking cylinder to find its own level without strain on the wheels and chassis. Their design allows all oil to pass to and from the jack without the need for flexible lines.



SAFETY FEATURES

Extra Stability

Scorpion HEJ series jacks operate at just 3300 psi, which is one third of many of our competitor's. At this pressure, the jacking cylinder bore must be considerably larger to generate the full capacity of the jack. The larger bore, rod and base plate make for extremely stable jacking. Scorpion's patented trunnion mounting allows the jacking cylinder to free stand flat on the floor.

Greater Control

The use of double acting jacking cylinder (including the telescopic models) gives greater control particularly during descent. Counterbalance valves prevent "over run" should the load try to descend faster than the pump can supply oil. This requires the jack to be powered down and prevents accidental lowering of the load.

Three Way Overload Protection

- An air pressure regulator is set to 90psi (96psi for HEJ150), the level required for maximum lift.
- Installed directly after the regulator is an air pressure relief valve set to 95psi.
- An hydraulic pressure relief valve is incorporated in the hydraulic circuit.

Low Pressure Operation

Because Scorpion uses just one third the pressure of many of their competitors the hydraulic components last longer and are less likely to fail suddenly. In the event of a catastrophic failure there will be three times the oil to lose with only one third the pressure to force it out. The collapse rate of a Scorpion will be much slower than units working at 10,000psi.

Low Effort to Move and Position

The combination of large diameter wheels and pneumatic tyres, adjustable axle position, and adjustable handle not only reduce the effort required but, most importantly, eliminates strain on the operator's back.

Simple Operation

A simple toggle switch (pneumatic valve) located well away from the load controls "UP-HOLD-DOWN". Counter balance valves prevent the load from creeping down during "HOLD" and require the jack to be powered down.



- Completely self contained
- Clean, simple, clutter free design
- Air filter and lubricator fitted for long life of pneumatic valves and hydraulic pump
- Air regulator, pressure gauge and tamper proof air pressure relief valve
- Controls located well clear of the machine during lifting



STRONG & VERSATILE

HEJ SINGLE STAGE JACKS

Model	Capacity metric tonnes (short tonnes)	Closed Height mm (inches)	Stroke mm (inches)	Base Diameter mm (inches)	Length mm (inches)	Width mm (inches)	Min. Handle Height mm (inches)
HEJ75L	75 (82)	467 (18.3/8)	267 (10.1/2)	394 (15.1/2)	2828 (111.5/16)	476 (18.3/4)	762 (30)
HEJ75	75 (82)	559 (22)	350 (13.3/4)	394 (15.1/2)	2828 (111.5/16)	476 (18.3/4)	762 (30)
HEJ100L	100 (110)	467 (18.3/8)	267 (10.1/2)	394 (15.1/2)	2828 (111.5/16)	476 (18.3/4)	762 (30)
HEJ100	100 (110)	559 (22)	350 (13.3/4)	394 (15.1/2)	2828 (111.5/16)	476 (18.3/4)	762 (30)
HEJ150L	150 (165)	467 (18.3/8)	267 (10.1/2)	432 (17)	2845 (112)	508 (20)	762 (30)
HEJ150	150 (165)	559 (22)	350 (13.3/4)	432 (17)	2845 (112)	508 (20)	762 (30)

Features common to all HEJ models:

- Unique trunnion mounting of jacking cylinder
- Steel tube used throughout, no hydraulic hose
- Adjustable wheel and handle position
- Double acting jacking cylinder
- Provision for lifting dollies
- Counterbalance valve prevents accidental retraction, jack must be powered down
- Large diameter wheels and pneumatic tyres
- Exceptional manoeuvrability
- Protective covering of all air and hydraulic components
- Large diameter, highly stable base on jacking cylinder
- Fully welded, all steel, heavy duty chassis
- Air operated hydraulic pump
- Full working capacity reached at 620 kpa 90psi (96psi HEJ150 and HEJ150-80) air pressure
- Simple "UP – HOLD – DOWN" control



HEJ TWO STAGE TELESCOPIC JACKS

Model	Capacity metric tonnes (short tonnes)	Closed Height mm (inches)	Stroke mm (inches)	Base Diameter mm (inches)	Length mm (inches)	Width mm (inches)	Min. Handle Height mm (inches)
HEJ100-50	Stage 1: 100 (110) Stage 2: 50 (55)	590 (23.1/4)	Stage 1: 350 (13.3/4) Stage 2: 292 (11.1/2)	394 (15.1/2)	2828 (111.5/16)	476 (18.3/4)	762 (30)
HEJ100-50L	Stage 1: 100 (110) Stage 2: 50 (55)	473 (18.5/8)	Stage 1: 231 (9.1/8) Stage 2: 175 (6.7/8)	394 (15.1/2)	2828 (111.5/16)	476 (18.3/4)	762 (30)
HEJ150-80	Stage 1: 150 (165) Stage 2: 80 (88)	590 (23.1/4)	Stage 1: 350 (13.3/4) Stage 2: 292 (11.1/2)	432 (17)	2845 (112)	508 (20)	762 (30)
HEJ150-80L	Stage 1: 150 (165) Stage 2: 80 (88)	473 (18.5/8)	Stage 1: 231 (9.1/8) Stage 2: 175 (6.7/8)	432 (17)	2845 (112)	508 (20)	762 (30)



MULTIPURPOSE



⬅ Super Slim Design.
Only 457mm (18" wide)
excluding the base plate*
Allows close positioning
to inside tyre

Use it as a jack

- ➔ Genuine 100 tonne (110 short tons) capacity @90 PSI air pressure
- ➔ 660mm (26 inches) stroke
- ➔ The easiest jack in its class to move and position

Your first choice when jacking:

- ➔ Komatsu 830E
- ➔ Komatsu 930E
- ➔ Caterpillar 793
- ➔ Caterpillar 797

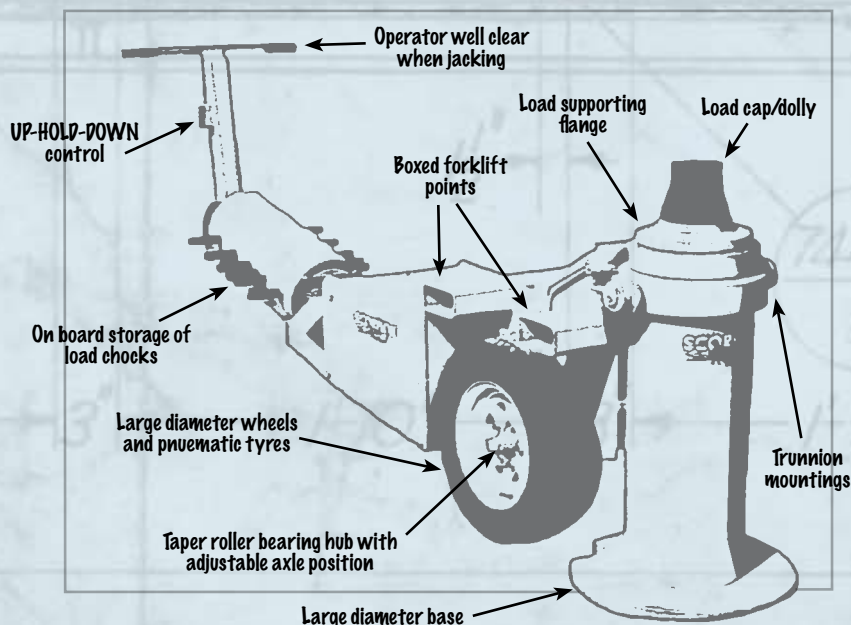
Load caps & dollies available on request for:

- ➔ Liebherr
- ➔ Unit Rig
- ➔ Euclid

Recommendations based on manufacturers axle loadings, unladen, and the use of 2 jacks to lift one end as recommended by the manufacturer.

Use it as a stand

- ➔ Light weight aluminium load chocks (stroke locking blocks)
- ➔ Allows jack to be locked at increments of 51mm (2 inches)
- ➔ Load supported by a flange on the rod and not directly on the load itself
- ➔ Meets standards for floor stand stability



⬆ Once load chocks are placed around the rod the load is lowered on top of them. Tapered spigots top and bottom of the chocks provide perfect alignment with the jacking cylinder ensuring safe, secure locking of the load.



⬆ Forklift points make long distance moving and/or loading a breeze. A lifting eye is also provided.

Model	Capacity metric tonnes (short tonnes)	Closed Height mm (inches)	Stroke mm (inches)	Base Diameter mm (inches)	Length mm (inches)	Width mm (inches)	Min. Handle Height mm (inches)
MLJ100-26	100 (110)	940 (37)	660 (26)	495 (19.1/2)	2870 (113)	457 (18)	762 (30)
MLJ100-15	100 (110)	646 (25.1/2)	382 (15)	495 (19.1/2)	2870 (113)	457 (18)	762 (30)
MLJ75-15	75 (83)	646 (25.1/2)	382 (15)	495 (19.1/2)	2870 (113)	457 (18)	762 (30)

* Base plate 495mm (19 1/2") in diameter for stability to meet the standard for floor stand stability.



FOR THE UNDERGROUND MINER

EXTRA LOW PROFILE, LONG REACH, MULTISTAGE JACKS

Features especially for underground mining conditions:

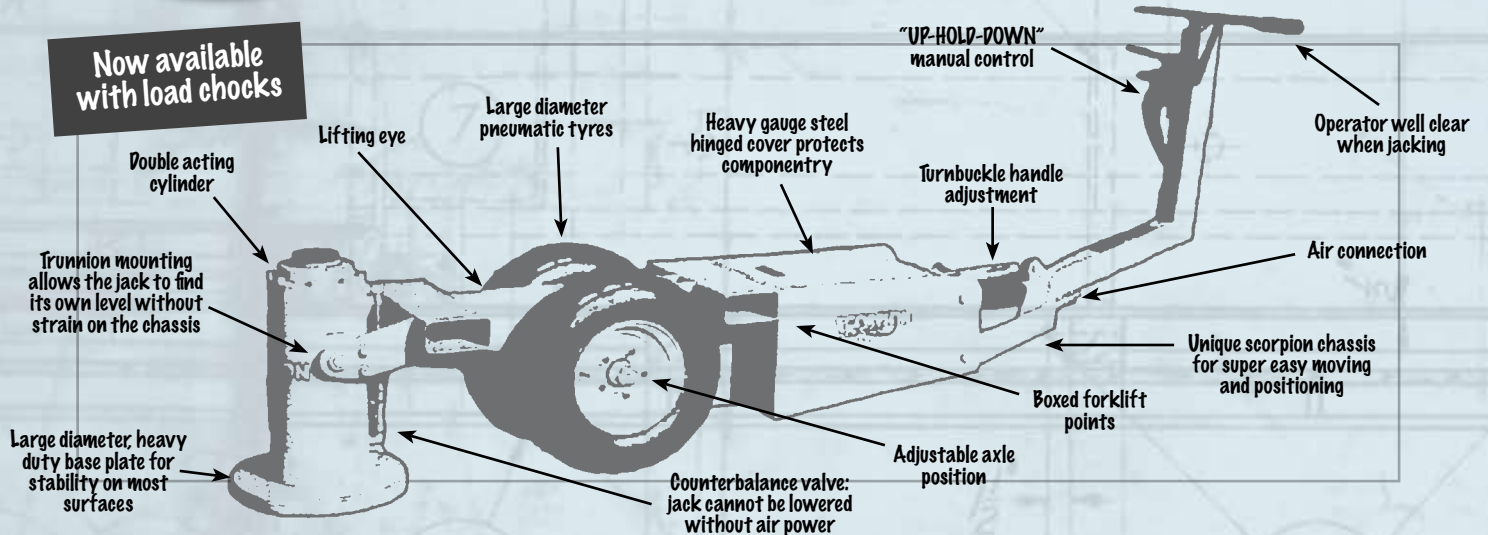
- Extra low closed height – 250mm (9.84")
- High lift – 4 and 5 stage jacks
- Long reach – low profile of the jack extends 450mm (17.71") from the tyres to the centre of the jack ram
- High ground clearance for operating on mine shaft floors
- Large diameter base for good stability on gravel floors
- Boxed forklift points and folding handle for convenient underground transport



Model	Capacity metric tonnes (short tonnes)	Closed Height mm (inches)	Stroke mm (inches)	Max. Air Pressure KPA (PSI) mm (inches)	Length mm (inches)	Width mm (inches)	Reach mm (inches)
ELP50-4	50 (55)	250 (9.84)	350 (13.77)	620 (90)	2975 (117.12)	478 (18.81)	450 (17.71)
ELP25-4	25 (27.1/2)	250 (9.84)	350 (13.77)	620 (90)	2950 (116.14)	478 (18.81)	450 (17.71)
ELP25-5	25 (27.1/2)	256 (10.078)	440 (17.322)	620 (90)	2975 (117.12)	478 (18.81)	450 (17.71)



FOR THE SMALLER END OF THE MINING AND CONSTRUCTION MARKET



Model	Capacity metric tonnes (short tonnes)	Closed Height mm (inches)	Stroke mm (inches)	Base Diameter mm (inches)	Length mm (inches)	Width mm (inches)	Min. Handle Height mm (inches)
MEJ50-9	50 (55)	422 (16.5/8)	237 (9.3/8)	356 (14)	2794 (110)	406 (16)	762 (30)
MEJ50-14	50 (55)	546 (21.1/2)	350 (13.3/4)	356 (14)	2794 (110)	406 (16)	762 (30)
MEJ50-18	50 (55)	654 (25.3/4)	450 (18)	356 (14)	2794 (110)	406 (16)	762 (30)

FLOOR STAND SYSTEMS



MEETS OR EXCEEDS
AUSTRALIAN STANDARDS
AS/NZS 2538:1995

50 & 100 TONNE FIXED HEIGHT VEHICLE STANDS AND EXTENSION DOLLIES

Model STT: With trunnion mounting for HT50 hand truck

- 50 tonne (55 short ton) capacity
- Heights from 498mm (20") to 1473mm (58") including dolly
- Base diameter 495mm (19 1/2")
- Machined base plate
- Replaceable load cap
- Exceeds 2:1 safety margin
- 50 tonne dolly heights from 102mm (4") to 457mm (18")

100 tonne (110 short ton) capacity

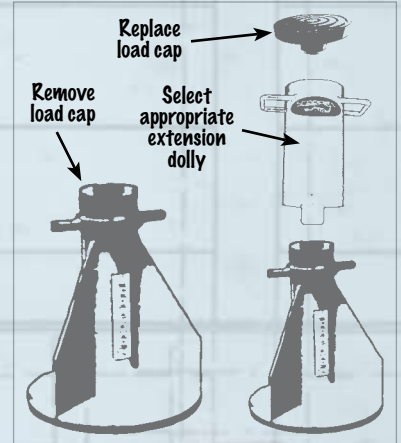
- Heights to 1473mm (58") including dolly
- Base diameter 570mm (22.5")
- Machined Base Plate
- Replaceable Load Cap
- Exceeds 2:1 safety Margin
- 100 tonne dolly heights from 102mm (4") to 457mm (18")

HT50 and HT100 Hand Trucks

- For any surface: the HT50 and HT100 hand truck attaches and detaches quickly and effortlessly to the STT models.
- Adjustable handle height
- Adjustable wheel position for perfect balance
- Fast attachment and detachment
- Large diameter pneumatic tyres for easy movement on any surface

Why Fixed Height?

- Allows for CDS Tube construction reducing overall weight.
- Light weight allows for easy movement and reduced risk of injury.
- Allows for smallest possible base plate diameter.



Model	Description	Capacity metric tonnes	Capacity pounds	Height in mm	Height in inches
STT50-20	TRUNNION STAND	50	110,100	500	19.700
STT50-24	TRUNNION STAND	50	110,100	600	23.625
STT50-30	TRUNNION STAND	50	110,100	762	30
STT50-36	TRUNNION STAND	50	110,100	914	36
STT50-42	TRUNNION STAND	50	110,100	1067	42
STT50-48	TRUNNION STAND	50	110,100	1220	48
STT50-54	TRUNNION STAND	50	110,100	1372	54
STT50-58	TRUNNION STAND	50	110,100	1473	58
STT100-36	TRUNNION STAND	100	220,200	914	36
STT100-48	TRUNNION STAND	100	220,200	1220	48
STT100-58	TRUNNION STAND	100	220,200	1473	58
HT50	HAND TRUCK	N/A	N/A	N/A	N/A
HT100	HAND TRUCK	N/A	N/A	N/A	N/A
STE50-4	EXTENSION DOLLY	50	110,100	102	4
STE50-6	EXTENSION DOLLY	50	110,100	152	6
STE50-8	EXTENSION DOLLY	50	110,100	203	8
STE50-10	EXTENSION DOLLY	50	110,100	254	10
STE50-12	EXTENSION DOLLY	50	110,100	305	12
STE50-14	EXTENSION DOLLY	50	110,100	356	14
STE50-16	EXTENSION DOLLY	50	110,100	406	16
STE50-18	EXTENSION DOLLY	50	110,100	457	18
STE100-4	EXTENSION DOLLY	100	220,200	102	4
STE100-6	EXTENSION DOLLY	100	220,200	152	6
STE100-8	EXTENSION DOLLY	100	220,200	203	8
STE100-10	EXTENSION DOLLY	100	220,200	254	10
STE100-12	EXTENSION DOLLY	100	220,200	305	12
STE100-14	EXTENSION DOLLY	100	220,200	356	14
STE100-16	EXTENSION DOLLY	100	220,200	406	16
STE100-18	EXTENSION DOLLY	100	220,200	457	18

JACK EXTENSIONS

Model	Description	Capacity metric tonnes	Capacity Pounds	Length in mm	Length in inches	Style
MEJ4D	EXTENSION DOLLY	50	110,100	102	4	SUIT ALL MEJ MODELS
MEJ8D	EXTENSION DOLLY	50	110,100	203	8	SUIT ALL MEJ MODELS
MEJ12D	EXTENSION DOLLY	50	110,100	304	12	SUIT ALL MEJ MODELS
HEJ4D	EXTENSION DOLLY	150	330,300	102	4	SUIT ALL HEJ & MLJ MODELS
HEJ6D	EXTENSION DOLLY	150	330,300	152	6	SUIT ALL HEJ & MLJ MODELS
HEJ8D	EXTENSION DOLLY	150	330,300	203	8	SUIT ALL HEJ & MLJ MODELS
HEJ10D	EXTENSION DOLLY	150	330,300	245	10	SUIT ALL HEJ & MLJ MODELS
HEJ12D	EXTENSION DOLLY	150	330,300	304	12	SUIT ALL HEJ & MLJ MODELS
HEJ15D	EXTENSION DOLLY	150	330,300	381	15	SUIT ALL HEJ & MLJ MODELS
HEJ18D	EXTENSION DOLLY	150	330,300	457	18	SUIT ALL HEJ & MLJ MODELS
HEJ24D	EXTENSION DOLLY	150	330,300	610	24	SUIT ALL HEJ & MLJ MODELS



LOAD CHOCKS

Model	Description	Capacity metric tonnes	Capacity Pounds	Stroke in mm	Stroke in inches	Style
MEJ50LC-02	LOAD HOLDING CHOCK	50	110,100	51	2	SUIT ALL MEJ MODELS
MEJ50LC-03	LOAD HOLDING CHOCK	50	110,100	76	3	SUIT ALL MEJ MODELS
MEJ50LC-06	LOAD HOLDING CHOCK	50	110,100	152	6	SUIT ALL MEJ MODELS
MLJ75LC-02	LOAD HOLDING CHOCK	75	165,150	51	2	SUIT ALL MLJ75 MODELS
MLJ75LC-04	LOAD HOLDING CHOCK	75	165,150	102	4	SUIT ALL MLJ75 MODELS
MLJ75LC-06	LOAD HOLDING CHOCK	75	165,150	152	6	SUIT ALL MLJ75 MODELS
MLJ100LC-02	LOAD HOLDING CHOCK	100	220,200	51	2	SUIT ALL MLJ100 MODELS
MLJ100LC-04	LOAD HOLDING CHOCK	100	220,200	102	4	SUIT ALL MLJ100 MODELS
MLJ100LC-06	LOAD HOLDING CHOCK	100	220,200	152	6	SUIT ALL MLJ100 MODELS



LOAD CAPS

Model	Description	Capacity metric tonnes	Capacity Pounds	Style
HEJ100LC	LOAD CAP	100	220,200	SUIT HEJ100 MODELS
HEJ150LC	LOAD CAP	150	330,300	SUIT HEJ150 MODELS
MLJ75LC	LOAD CAP	75	165,150	SUIT MLJ75 MODELS
MLJ100LC	LOAD CAP	100	220,200	SUIT MLJ100 MODELS
MLJ100KLC	LOAD CAP	100	222,200	SUIT MLJ100 MODELS (KOMATSU)
ELP25LC	LOAD CAP	25	50,050	SUIT ELP25 MODELS
ELP50LC	LOAD CAP	50	110,100	SUIT ELP50 MODELS
MEJ50LC	LOAD CAP	50	110,100	SUIT MEJ50 MODELS
STT100LC	LOAD CAP	100	220,200	SUIT ALL 100T FLOOR STANDS
STT50LC	LOAD CAP	50	110,100	SUIT ALL FLOOR STANDS



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