



Hoisting Equipment

Crane systems

Load hoisting tackle

Chain

Forging

Polyester slings

Load cells



## SPE Online

We are a NATA approved company that specializes in total support and maintenance solutions for hoists, cranes, lifting equipment, rigging equipment, electrical and mechanical systems.

Over 35 years of experience in

We have over 12 years of expertise and experience in testing and maintaining equipment on board Australian Naval Ships

Our maintenance extends to approximately 4000 items including cranes, hoists, lifts, conveyors, dock levellers, motorised doors, roof safety lines, lifting and rigging gear, towers and hoists for defence establishments in New South Wales and Victoria as part of fixed plant & equipment. We are sub contractors to Defence Maintenance Management and Spotless.

In WA our services extend to the offshore industry including Woodside Petroleum, Modec & Chevron

We carry 20t solid and 135t water weights for load testing purposes

## SPE Services



SPE offers range of maintenance services to Government and Non Government agencies.

We have our offices in Sydney, Melbourne, and Perth. SPE operates and caters to our patrons all over Australia. No job is small and our dedicated teams of professional technicians are willing to serve your needs anywhere where duty calls!

## International

We have started a joint venture in Mumbai, India to serve marine and other industries. We will be starting our services in Auckland later this year. We carry out crane services in Fiji & Saipan

## Mission Statement

SPE will have a strong competitive advantage with their unique background of engineering fundamentals combined with practical knowledge and experience. Our team endeavours to meet highest standards set by the international standards in every job.



## About SPE

Established in 1999 by Managing Director Mr. Noel Lal South Pacific Engineering has grown exponentially due to its persistent pursuit of quality workmanship and unparalleled commitment to provide the best services to its customers.

Our mission and aim has been:

- To dedicate ourselves to providing excellent, efficient and economical electrical and mechanical services to the industry at large.
- To provide above par overhead crane and other lifting attachment service, repairs, testing and certification.
- To become leaders in the industry

SPE started as a one man enterprise, in a year of its operations the demand for our quality services warranted the addition of another technician. The following year brought in an opportunity to provide services to the Department of Defence as sub contractor for Asset Services.

When Defence Maintenance Management took over the contract we were offered the opportunity to provide our services to maintain cranes, hoists, vehicle hoists and conveyors.

Recent renewal of our contract added all equipment in the Shoalhaven area. We currently maintain approximately 4000 equipments for the Defence in NSW and Victoria.

In year 2000 we were approached by Joint Logistic Command to conduct testing and certification of all their lifting equipment. We are proud to be able to continue our excellent service to date.

In year 2007 we signed an agreement with Defence Maintenance Management to maintain Cranes, Motorised Doors, Towers and Lifting gear and Rigging Warrant at Defence establishment at South Victoria.

We also carry out services on offshore facilities for Modec, Chevron, and Woodside.

Branch offices have been established in Williamstown, Victoria and Yangebup, Western Australia.



## Sales & Distribution

We distribute our own brand of products such as:

|                           |                         |                          |
|---------------------------|-------------------------|--------------------------|
| Chain Hoists              | Lever Hoists            | Electric Chain Hoists    |
| Electric Wire rope Hoists | Chain Slings            | Shackles                 |
| Flat & Round slings       | Plate Lifters           | 'O' links                |
| Hooks                     | Tirfor                  | Beam Clamps              |
| Hammerlocks               | Trolleys                | Master Links             |
| Chains                    | Tension Load Indicators | Anchor Chains & Fittings |

# NATA Accredited Inspection Body

**National Association of Testing Authorities, Australia**  
(ABN 59 004 379 748)

has accredited

**South Pacific Engineering Pty Ltd**

following demonstration of its technical competence  
to operate in accordance with

**AS/NZS ISO/IEC 17020**

As a Type C Inspection Body

This facility is accredited for the inspection activities shown on the  
*Scope of Accreditation* issued by NATA



A J Russell  
Chief Executive

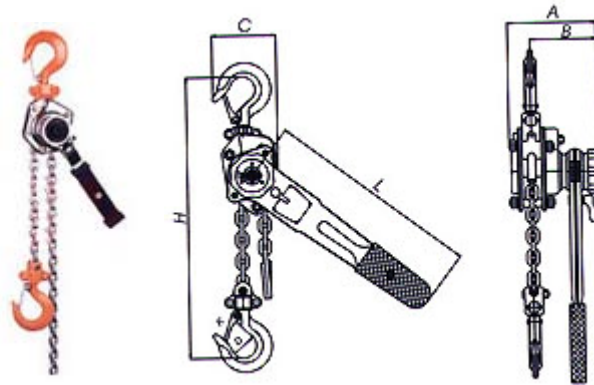
Date of accreditation: 28 November 2001  
Accreditation number: 14655

**NATA**

WORLD RECOGNISED  
ACCREDITATION

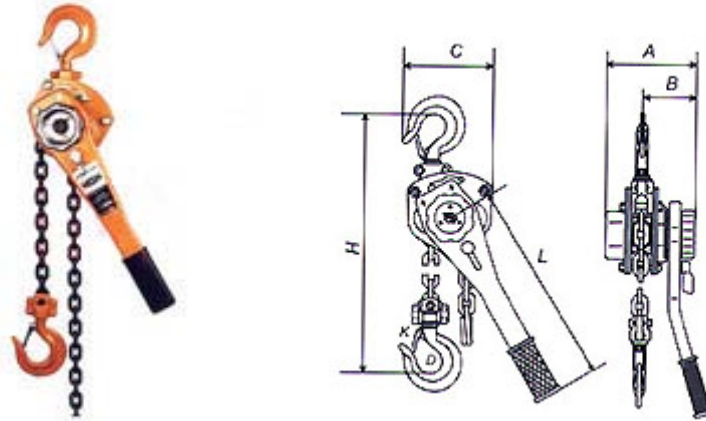
NATA is Australia's government-endorsed laboratory accreditor, and a peak accreditor of inspection bodies. NATA is a signatory to the international mutual recognition arrangement of the Asia Pacific Laboratory Accreditation Cooperation (APLAC) for inspection, testing and calibration.

**SPE - 0.25t lever block**



|                                      |        |           |
|--------------------------------------|--------|-----------|
| Model                                |        | SPE-0.25A |
| Capacity                             | tons   | 0.25      |
| Standard lift                        | m      | 1         |
| Running test load                    | kn     | 3.2       |
| Effort required to lift rated load   | N      | 250       |
| Strands of load chain                |        | 1         |
| Load chain diameter                  | mm     | 4         |
| Dimensions(mm)                       | A      | 92        |
|                                      | B      | 72        |
|                                      | C      | 85        |
|                                      | D      | 30        |
|                                      | H main | 230       |
|                                      | L      | 160       |
|                                      | K      | 25        |
| Net weight                           | kg     | 1.8       |
| Packing measurement                  | cm     | 22x7x9.5  |
| Extra weight per metre of extra lift | kg     | 0.41      |

### SPE – Lever Blocks



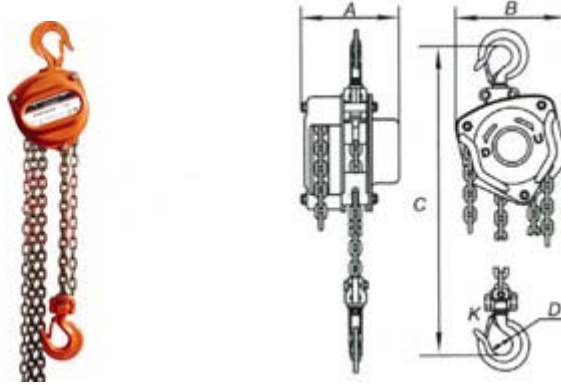
| Model                                |      | SPE-0.75A    | SPE -1.5A      | SPE -3A    | SPE -6A    | SPE -9A    |
|--------------------------------------|------|--------------|----------------|------------|------------|------------|
| Capacity                             | tons | 0.75         | 1.5            | 3          | 6          | 9          |
| Standard lift                        | m    | 1.5          | 1.5            | 1.5        | 1.5        | 1.5        |
| Running test load                    | kn   | 11.0         | 22.0           | 37.5       | 75.0       | 112.5      |
| Effort required to lift rated load   | N    | 140          | 240            | 320        | 340        | 360        |
| Strands of load chain                |      | 1            | 1              | 1          | 2          | 3          |
| Load chain diameter                  | mm   | 6            | 8              | 10         | 10         | 10         |
| Dimensions(mm)                       | A    | 155          | 180            | 215        | 215        | 215        |
|                                      | B    | 95           | 105            | 130        | 130        | 130        |
|                                      | C    | 135          | 155            | 200        | 200        | 330        |
|                                      | D    | 37           | 45             | 50         | 64         | 85         |
|                                      | L    | 320          | 380            | 480        | 600        | 700        |
|                                      | K    | 30           | 36             | 40         | 50         | 58         |
| Net weight                           | kg   | 7.7          | 11.8           | 21         | 32         | 47         |
| Packing measurement                  | cm   | 35.5x14x16.5 | 46.5x15.5x19.5 | 51x19x21.5 | 53x22x21.5 | 82x32x21.5 |
| Extra weight per metre of extra lift | kg   | 0.8          | 1.4            | 2.2        | 4.4        | 6.6        |

### SPE-A816 Series Lever Block



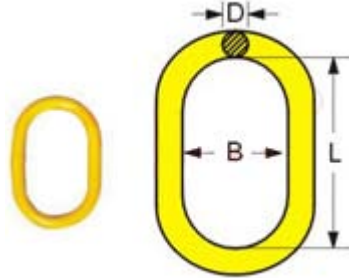
| Capacity<br>(t) | Standard<br>lift<br>(M) | Test load<br>(kg) | Net<br>weight<br>(kg) | Extra<br>weight<br>per<br>meter<br>of extra<br>lift(kg) | Migration<br>length/circle<br>(mm) | Dimensions(mm) |     |     |     |       |      |    |      |
|-----------------|-------------------------|-------------------|-----------------------|---|------------------------------------|----------------|-----|-----|-----|-------|------|----|------|
|                 |                         |                   |                       |   |                                    | a              | b   | c   | d   | e     | g    | s  | t    |
| 0.75            | 1.5                     | 938               | 6.6                   | 0.81  | 18.7                               | 160            | 133 | 320 | 240 | 100   | 28   | 38 | 15   |
| 0.8             | 1.5                     | 1000              | 6.6                   | 0.81  | 18.7                               | 160            | 133 | 320 | 240 | 100   | 28   | 38 | 15   |
| 1               | 1.5                     | 1250              | 6.6                   | 0.81  | 18.7                               | 160            | 133 | 320 | 240 | 100   | 28   | 38 | 15   |
| 1.5             | 1.5                     | 1875              | 11.2                  | 1.38  | 16                                 | 182            | 157 | 365 | 265 | 109   | 36   | 58 | 20   |
| 1.6             | 1.5                     | 2000              | 11.2                  | 1.38  | 16                                 | 182            | 157 | 365 | 265 | 109   | 36   | 48 | 20   |
| 2               | 1.5                     | 2500              | 11.2                  | 1.38  | 16                                 | 182            | 157 | 365 | 265 | 109   | 36   | 48 | 20   |
| 2.5             | 1.5                     | 3125              | 16                    | 1.75  | 13.5                               | 190.5          | 193 | 425 | 265 | 121.5 | 36.5 | 47 | 21   |
| 3               | 1.5                     | 3750              | 20.5                  | 2.52  | 16.8                               | 190.5          | 210 | 465 | 420 | 121.5 | 43   | 58 | 24.5 |
| 3.2             | 1.5                     | 4000              | 20.5                  | 2.2   | 16.8                               | 207.5          | 210 | 465 | 420 | 121.5 | 43   | 58 | 24.5 |
| 6               | 1.5                     | 7500              | 31.5                  | 4.4   | 8.4                                | 207.5          | 253 | 583 | 420 | 121.5 | 44   | 65 | 28.5 |
| 6.3             | 1.5                     | 7875              | 31.5                  | 4.4   | 8.4                                | 207.5          | 253 | 583 | 420 | 121.5 | 44   | 65 | 28.5 |
| 9               | 1.5                     | 11250             | 46.5                  | 6.6   | 5.6                                | 207.5          | 338 | 690 | 420 | 121.5 | 54   | 85 | 40   |

### SPE - Series Chain Block



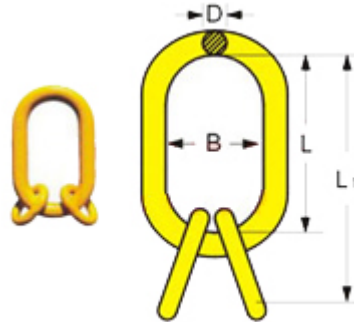
| Model                                |      | SPE -<br>0.25A | SPE -<br>0.5A | SPE -<br>1A | SPE -<br>1.5A | SPE<br>-2A | SPE -<br>3A | SPE -<br>5A | SPE -<br>7.5A | SPE -<br>10A |
|--------------------------------------|------|----------------|---------------|-------------|---------------|------------|-------------|-------------|---------------|--------------|
| Capacity                             | tons | 0.25           | 0.5           | 1           | 1.5           | 2          | 3           | 5           | 7.5           | 10           |
| Standard lift                        | m    | 2.5            | 2.5           | 2.5         | 2.5           | 3          | 3           | 3           | 3             | 3            |
| Running test load                    | Kn   | 3.7            | 7.5           | 15          | 22.5          | 30         | 45          | 75          | 112           | 150          |
| Effort required to lift rated load   | N    | 190            | 220           | 255         | 340           | 330        | 350         | 350         | 375           | 375          |
| Strands of load chain                |      | 1              | 1             | 1           | 1             | 1          | 2           | 2           | 3             | 4            |
| Load chain diameter                  | mm   | 4              | 5             | 6           | 7.1           | 8          | 7.1         | 9           | 9             | 9            |
| Min Distance between both hooks      | mm   | 245            | 277           | 303         | 338           | 379        | 516         | 613         | 716           | 789          |
| Net weight                           | kg   | 5.0            | 9.0           | 11.4        | 14.7          | 24         | 24          | 39.5        | 70            | 82           |
| Extra weight per metre of extra lift | kg   | 0.9            | 1.5           | 1.7         | 2.3           | 2.3        | 3.7         | 5.6         | 9.7           | 19.4         |

### SPE Oblong Link



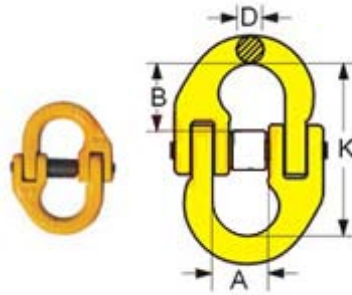
| Model     | Capacity<br>tons | chain diameter (mm) |              | Dimensions(mm) |     |    | Net<br>Weight<br>kg |
|-----------|------------------|---------------------|--------------|----------------|-----|----|---------------------|
|           |                  | one chain           | double chain | L              | B   | D  |                     |
| SPE -6-8  | 1.25             | 6                   | -            | 83             | 40  | 11 | 0.2                 |
| SPE -8-8  | 2.5              | 7.8                 | 6            | 85             | 54  | 13 | 0.3                 |
| SPE -10-8 | 4.0              | 10                  | 7.8          | 120            | 70  | 16 | 0.6                 |
| SPE -13-8 | 6.3              | 13                  | 10           | 134            | 80  | 20 | 1.1                 |
| SPE -16-8 | 11.5             | 16                  | 13           | 190            | 100 | 25 | 2.3                 |

### SPE Multi Oblong Link



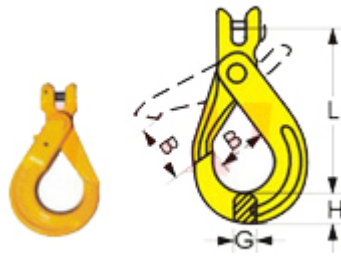
| Model     | Capacity<br>tons | chain<br>diameter<br>(mm) | Dimensions(mm) |     |    |     |     |    | Net<br>Weight<br>kg |
|-----------|------------------|---------------------------|----------------|-----|----|-----|-----|----|---------------------|
|           |                  |                           | L              | B   | D  | l   | b   | d  |                     |
| SPE -6-8  | 5.0              | 6                         | 120            | 70  | 18 | 85  | 54  | 13 | 1.2                 |
| SPE -8-8  | 8.0              | 7.8                       | 134            | 80  | 20 | 120 | 70  | 16 | 2.5                 |
| SPE -10-8 | 16.0             | 10                        | 190            | 100 | 25 | 170 | 90  | 22 | 6                   |
| SPE -13-8 | 30.0             | 13                        | 250            | 150 | 40 | 180 | 105 | 28 | 13                  |
| SPE -16-8 | 40.0             | 16                        | 300            | 200 | 50 | 200 | 110 | 32 | 23                  |

### SPE – Hammer Locks



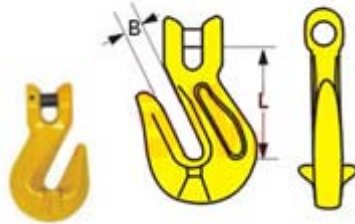
| Model      | Capacity<br>tons | chain<br>diameter<br>(mm) | Dimensions(mm) |    |    |    | Net Weight<br>kg |
|------------|------------------|---------------------------|----------------|----|----|----|------------------|
|            |                  |                           | K              | A  | D  | B  |                  |
| SPE-6-8    | 1.12             | 6                         | 44             | 15 | 7  | 17 | 0.1              |
| SPE -7/8-8 | 2.0              | 7.8                       | 56             | 18 | 9  | 22 | 0.2              |
| SPE -10-8  | 3.2              | 10                        | 68             | 25 | 12 | 26 | 0.3              |
| SPE -13-8  | 5.4              | 13                        | 88             | 29 | 15 | 33 | 0.7              |
| SPE -16-8  | 8                | 16                        | 104            | 36 | 19 | 40 | 11               |

### SPE Pinlok Latchlok Hook



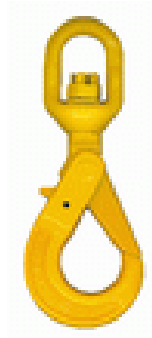
| Model     | Capacity<br>tons | chain<br>diameter<br>(mm) | Dimensions(mm) |    |    |    | Net<br>Weight<br>kg |
|-----------|------------------|---------------------------|----------------|----|----|----|---------------------|
|           |                  |                           | L              | B  | G  | H  |                     |
| SPE -8-8  | 2.0              | 7.8                       | 119            | 36 | 17 | 23 | 0.8                 |
| SPE -10-8 | 3.2              | 10                        | 142            | 44 | 25 | 29 | 1.5                 |
| SPE -13-8 | 5.4              | 13                        | 180            | 54 | 28 | 38 | 2.8                 |

**SPE Pinlok Grab Hook**



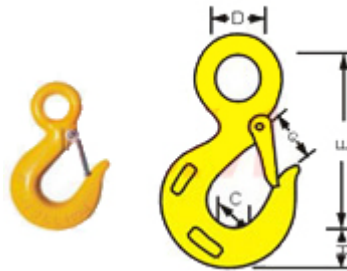
| Model     | Capacity tons | chain diameter (mm) | Dimensions(mm) |    | Net Weight kg |
|-----------|---------------|---------------------|----------------|----|---------------|
|           |               |                     | L              | B  |               |
| SPE -7-8  | 1.5           | 7                   | 56             | 10 | 0.3           |
| SPE -8-8  | 2             | 7/8-8               | 50             | 10 | 0.31          |
| SPE -10-8 | 3.2           | 10                  | 78             | 12 | 0.8           |
| SPE -13-8 | 5.4           | 13                  | 97             | 15 | 1.5           |
| SPE -16-8 | 8.0           | 16                  | 124            | 19 | 2.8           |

### SPE Swivel Latchlok Hook



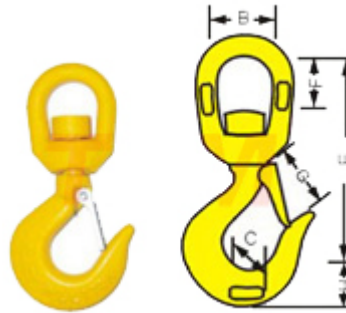
| Model      | Capacity<br>tons | chain<br>diameter<br>(mm) | Dimensions(mm) |    |      |      |     |     | Net<br>Weight<br>kg |
|------------|------------------|---------------------------|----------------|----|------|------|-----|-----|---------------------|
|            |                  |                           | A              | B  | P    | H    | K   | D   |                     |
| SPE -6-8   | 1.2              | 6-8                       | 32             | 23 | 27.5 | 20.5 | 149 | 12  | 0.7                 |
| SPE -7-8-8 | 2.0              | 7/8-8                     | 34.5           | 29 | 35   | 25   | 187 | 125 | 1.21                |
| SPE -10-8  | 3.2              | 10-8                      | 42             | 37 | 43   | 31   | 223 | 155 | 2                   |
| SPE -13-8  | 5.3              | 13-8                      | 49             | 41 | 51   | 42   | 268 | 17  | 3.5                 |
| SPE -16-8  | 8                | 16-8                      | 61             | 54 | 82   | 53   | 330 | 22  | 7.1                 |

**SPE0410**



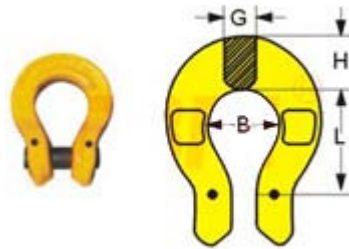
| Model     | Capacity<br>tons | chain<br>diameter<br>(mm) | Dimensions(mm) |    |    |    |    | Net Weight<br>kg |
|-----------|------------------|---------------------------|----------------|----|----|----|----|------------------|
|           |                  |                           | E              | D  | G  | H  | C  |                  |
| SPE-6-8   | 1.12             | 6                         | 82             | 19 | 17 | 19 | 14 | 0.25             |
| SPE-7/8-8 | 2.0              | 7.8                       | 104            | 28 | 22 | 25 | 19 | 0.50             |
| SPE-10-8  | 3.2              | 10                        | 119            | 32 | 25 | 29 | 21 | 0.77             |
| SPE-13-8  | 5.4              | 13                        | 146            | 39 | 32 | 38 | 28 | 1.52             |
| SPE-16-8  | 8.0              | 16                        | 187            | 51 | 35 | 49 | 35 | 3.27             |

**SPE0409**



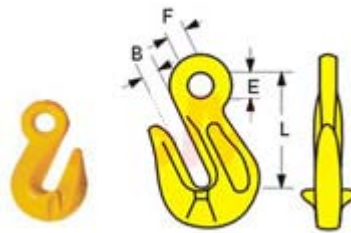
| Model     | Capacity<br>tons | chain<br>diameter<br>(mm) | Dimensions(mm) |    |    |    |    |    | Net<br>Weight<br>kg |
|-----------|------------------|---------------------------|----------------|----|----|----|----|----|---------------------|
|           |                  |                           | E              | G  | H  | C  | F  | B  |                     |
| SPE-6-8   | 1.12             | 6                         | 113            | 18 | 20 | 14 | 25 | 30 | 0.38                |
| SPE-7/8-8 | 2.0              | 7.8                       | 155            | 21 | 25 | 19 | 42 | 44 | 1.00                |
| SPE-10-8  | 3.2              | 10                        | 162            | 23 | 30 | 21 | 42 | 44 | 1.20                |
| SPE-13-8  | 5.4              | 13                        | 190            | 32 | 33 | 28 | 43 | 51 | 2.08                |
| SPE-16-8  | 8.0              | 16                        | 247            | 40 | 43 | 35 | 61 | 64 | 4.45                |

**SPE0408**



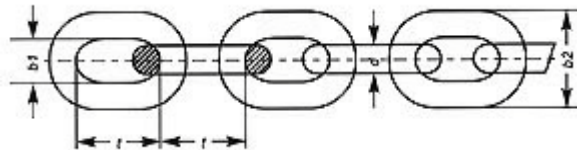
| Model     | Capacity<br>tons | chain diameter<br>(mm) | Dimensions(mm) |    |    |    | Net Weight<br>kg |
|-----------|------------------|------------------------|----------------|----|----|----|------------------|
|           |                  |                        | L              | B  | G  | H  |                  |
| SPE-6-8   | 1.12             | 6                      | 27             | 20 | 9  | 17 | 0.1              |
| SPE-7/8-8 | 2.0              | 7.8                    | 35             | 25 | 11 | 18 | 0.2              |
| SPE-10-8  | 3.2              | 10                     | 45             | 32 | 14 | 22 | 0.4              |
| SPE-13-8  | 5.4              | 13                     | 56             | 40 | 17 | 28 | 1.0              |
| SPE-16-8  | 8.0              | 16                     | 68             | 50 | 22 | 35 | 1.4              |

**SPE0411**



| Model    | Capacity<br>tons | chain diameter<br>(mm) | Dimensions(mm) |    |    |    | Net<br>Weight<br>kg |
|----------|------------------|------------------------|----------------|----|----|----|---------------------|
|          |                  |                        | L              | B  | E  | F  |                     |
| SPE-7-8  | 1.5              | 7                      | 60             | 10 | 15 | 9  | 0.2                 |
| SPE-8-8  | 2.0              | 8                      | 70             | 10 | 16 | 10 | 0.4                 |
| SPE-10-8 | 3.2              | 10                     | 84             | 12 | 20 | 13 | 0.6                 |
| SPE-13-8 | 5.4              | 13                     | 104            | 15 | 25 | 15 | 1.2                 |

### Chain



**Alloy Steel Chain Grade 80 (Class 8) DIN5687, DIN5688 ISO3076 Grade T(8)  
Dimensions, Nominations and Mechanical Properties**

| Nominal size | Ø  |       | Inside length |       | Width inside outside |      |         | Working load limit | Proof test | Breaking load | Weight approx. |
|--------------|----|-------|---------------|-------|----------------------|------|---------|--------------------|------------|---------------|----------------|
|              | d  | ±Tol. | t             | ±Tol. | b1 min.              | b2   | b2 max. | kgs max.           | KN min.    | KN min.       | Kgs/m          |
| 6-8          | 6  | 0.2   | 18            | 0.5   | 8                    | 21   | 21.6    | 1120               | 28.3       | 45.2          | 0.8            |
| 7-8          | 7  | 0.2   | 21            | 0.6   | 9.45                 | 24.5 | 25.2    | 1500               | 38.5       | 61.1          | 1.1            |
| 8-8          | 8  | 0.3   | 24            | 0.7   | 10.8                 | 28   | 28.8    | 2000               | 50.3       | 80.4          | 1.4            |
| 10-8         | 10 | 0.4   | 30            | 0.9   | 13.5                 | 35   | 36      | 3150               | 78.5       | 126           | 2.2            |
| 13-8         | 13 | 0.5   | 39            | 1     | 17.5                 | 45.5 | 46.8    | 5300               | 133        | 212           | 3.8            |
| 16-8         | 16 | 0.6   | 48            | 1.4   | 21.5                 | 56   | 57.6    | 8000               | 201        | 322           | 5.7            |

- > Elongation at break, self coloured, min,20%; bright finished, min.15%
- > Factor working load limit: proof test: breaking load=1:2.5:4(200:500:800 N/mm<sup>2</sup> )
- > Deflection min.F=0.8xd these sling chains are only available in welded finish.



## Safety with Grade 80

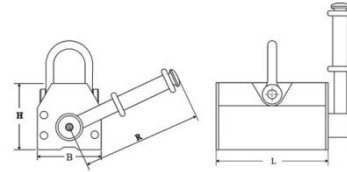
To achieve the consistent high level of quality and reliability of our products

- > Electronically controlled chain making machines have been specially built and developed to provide advanced manufacturing processing
- > High grade alloy steel are carefully chosen.
- > Strict control of material acceptance and processing is carried out by skilled persons.
- > Sophisticated multi-process heat-treatment techniques have been developed.
- > Non-destructive testing systems are used with magnetic crack detection (magna flux system), being applied during final inspection.
- > All accessories, such as hooks, connectors etc., are produced by special hot forging techniques carried out on modern forging hammers.
- > Close dimensional controls are carried out at all stages of manufacture.

To ensure the chains have a high capacity to absorb shock loadings, they are produced so that they will give a minimum extension of 20% under a destruction test before fracture occurs.

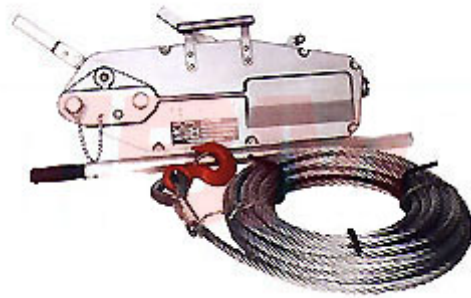
They are also subjected to sample bend testing.

**SPE - permanent magnet lifter**



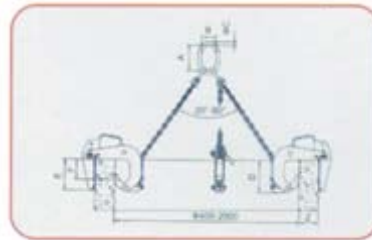
| Model  | Rated Lifting Capacity(kg) | Cylindrical lifting strength(kgf) | Max.pull-off strength | Dimensions(mm) |     |     |     | Operation temperature(°C) | N.W.(kg) |
|--------|----------------------------|-----------------------------------|-----------------------|----------------|-----|-----|-----|---------------------------|----------|
|        |                            |                                   |                       | L              | B   | H   | R   |                           |          |
| PML-1  | 100                        | 30                                | 350                   | 92             | 64  | 70  | 145 | < 80                      | 3        |
| PML-3  | 300                        | 100                               | 1050                  | 165            | 88  | 96  | 176 | < 80                      | 10       |
| PML-5  | 500                        | 150                               | 1750                  | 216            | 118 | 118 | 219 | < 80                      | 20       |
| PML-6  | 600                        | 200                               | 2100                  | 236            | 118 | 120 | 219 | < 80                      | 24       |
| PML-10 | 1000                       | 300                               | 3500                  | 264            | 168 | 168 | 285 | < 80                      | 50       |
| PML-15 | 1500                       | 500                               | 5200                  | 352            | 168 | 168 | 380 | < 80                      | 70       |
| PML-20 | 2000                       | 600                               | 7000                  | 378            | 226 | 216 | 462 | < 80                      | 125      |
| PML-30 | 3000                       | 1000                              | 10500                 | 453            | 290 | 265 | 567 | < 80                      | 220      |
| PML-50 | 5000                       | 1500                              | 17500                 | 647            | 290 | 265 | 707 | < 80                      | 355      |
| PML-60 | 6000                       | 2000                              | 19200                 | 713            | 290 | 266 | 707 | < 80                      | 398      |

### SPE Series Wire rope winch



| Model                              |      | SM0.8      | SM1.0      | SM1.6      | SM3.2       |
|------------------------------------|------|------------|------------|------------|-------------|
| rated capacity                     | tons | 0.8        | 1          | 1.6        | 3.2         |
| rated forward travel               | mm   | $\geq 52$  | $\geq 52$  | $\geq 55$  | $\geq 28$   |
| efficient length of forward handle | mm   | 825        | 825        | 1200       | 1200        |
| drive step                         |      | 1          | 1          | 1          | 2           |
| rope diameter                      | mm   | 8          | 8          | 11         | 16          |
| standard length of rope            | m    | 10;20      | 10;20      | 10;20      | 10          |
| net weight                         | kg   | 6          | 6          | 12         | 23          |
| rated forward hand power           | N    | $\leq 284$ | $\leq 353$ | $\leq 412$ | $\leq 441$  |
| max.Overall size                   | mm   | 428x64x235 | 428x64x235 | 545x97x286 | 660x116x350 |

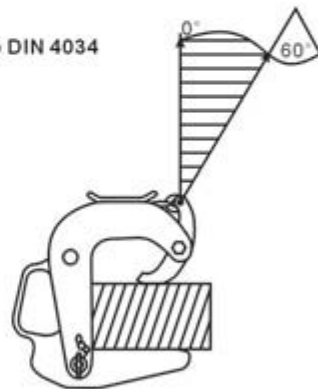
## LTC Clamp Series



### CONCRETE PIPE LIFTING CLAMP LTC SERIES

The LTC Clamp for concrete Pipe sections or steel pipes. These Clamps are designed to lift concrete pipe sections in a vertical position. These clamps must be used in pairs for safe handling and can be supplied in either arrangement complete with chain.

- Three-legged lifting system for the safe and non-marring transport of concrete pipes up to a diameter of  $\Phi 2000\text{mm}$  and a load of up to 3t.
- Attachment and removal of the clamps can be done easily due to the handles that have been incorporated into each clamp.
- Batch tested at 4 to 1 against breakage
- For heavy duty use, but light weight design.
- For concrete pipes lifting application standard according to DIN 4034
- Lifting clamp for concrete pipe up diameter of  $\Phi 3000\text{mm}$  available upon request



| Item No    | WLL (T) | Jaw (mm) | Mouth Depth E (mm) | Pressure Line F (mm) | Weight (kg) | A (mm) | B (mm) | $\Phi$ C (mm) | D (mm) |
|------------|---------|----------|--------------------|----------------------|-------------|--------|--------|---------------|--------|
| LTC1.5/120 | 1.5     | 40-120   | 165                | 100                  | 10          | 135    | 75     | 18            | 180    |
| LTC3.0/180 | 3       | 50-180   | 245                | 175                  | 18          | 180    | 100    | 26            | 310    |
| LTC3.0/220 | 3       | 90-220   | 245                | 175                  | 24          | 180    | 100    | 26            | 310    |

### Snatch Block S Type



| Model  | Sheaver | DIA. | SWL. | Hook length | Eye length | Width | Weight | Rope dia. |
|--------|---------|------|------|-------------|------------|-------|--------|-----------|
|        | Inch    | mm   | ton  | mm          | mm         | mm    | kg     | mm        |
| S 75x1 | 3"      | 75   | 0.5  | 255         | 230        | 87    | 1.7    | 8         |
| S100x1 | 4"      | 100  | 1    | 310         | 283        | 112   | 3.2    | 10        |
| S125x1 | 5"      | 125  | 1.5  | 355         | 327        | 140   | 5      | 13        |
| S150x1 | 6"      | 150  | 2    | 410         | 383        | 168   | 8.3    | 16        |
| S175x1 | 7"      | 175  | 3    | 490         | 450        | 190   | 12     | 19        |
| S200x1 | 8"      | 200  | 4    | 540         | 500        | 205   | 18     | 22        |
| S250x1 | 10"     | 250  | 5    | 690         | 650        | 270   | 27     | 25        |
| S 75x2 | 3"      | 75   | 0.5  | 300         | 275        | 87    | 3      | 8         |
| S100x2 | 4"      | 100  | 1    | 345         | 318        | 112   | 4.7    | 10        |
| S125x2 | 5"      | 125  | 1.5  | 395         | 367        | 140   | 8      | 13        |
| S150x2 | 6"      | 150  | 2    | 465         | 438        | 168   | 13.5   | 16        |
| S175x2 | 7"      | 175  | 3    | 530         | 490        | 190   | 17.5   | 19        |
| S200x2 | 8"      | 200  | 4    | 615         | 575        | 205   | 25     | 22        |
| S250x2 | 10"     | 250  | 5    | 770         | 730        | 270   | 40     | 25        |

SPE Chain Slings



SPE0415-1TX1M

SPE0415-2TX1M

SPE0415-3TX1M

SPE0415-5TX1M

SPE0416-1TX1M

SPE0416-2TX1M

SPE0416-3TX1M

SPE0416-5TX1M

## Polyester Round Sling



Type

**-Polyester round sling with two ply woven heavy sleeve**

Technical specifications

-Colour coded according to **EN 1492-2 & AS 4497**

-Capacity stripes: each stripe is equal to 1 tonne capacity.

-The safe working load is clearly and continuously printed on the sleeve.

-Extra strong PU-impregnated webbing of the sleeve, which does not allow dirt to enter.

-Each sling is packed in plastic with CE declaration of conformity or Test Certificate.

Characteristics:

-Low elongation.












-Extremely wear-resistant.

Norms

-According to Machine Directive 98/37/EC & AS 4497

-Safety Factor: 7:1



| Item    | Colour coded according to EN1492-2 | Working Load Limit with 1 round sling   |   |   |   |   |   |   | Working Load Limit with 2 round slings  |   |   |   |
|---------|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|
|         |                                    | Straight lift   | Choked lift   | 0-7   | $\beta$   |   |   |   | Straight lift up to 45  | Choked lift up to 45  | Straight lift 45-60   | Choked lift 45-60   |
|         |                                    |   |   |   | 0-7   | 7-45  | 45-60   | 45-60   |   |   |   |   |
|         |                                    |  |  |  |  |  |  |  |  |  |  |  |
|         |                                    | 1.0   | 0.8   | 2.0   | 1.4   | 1.0   | 0.7   | 0.5   | 1.4   | 1.12  | 1.0   | 0.8   |
| RSEL-01 | WLL 1T                             | 1.000   | 800   | 2.000   | 1.400   | 1.000   | 700   | 500   | 1.400   | 1.120   | 1.000   | 800   |
| RSEL-02 | WLL 2T                             | 2.000   | 1.600   | 4.000   | 2.800   | 2.000   | 1.400   | 1.000   | 2.800   | 2.240   | 2.000   | 1.600   |
| RSEL-03 | WLL 3T                             | 3.000   | 2.400   | 6.000   | 4.200   | 3.000   | 2.100   | 1.500   | 4.200   | 3.360   | 3.000   | 2.400   |
| RSEL-04 | WLL 4T                             | 4.000   | 3.200   | 8.000   | 5.600   | 4.000   | 2.800   | 2.000   | 5.600   | 4.480   | 4.000   | 3.200   |
| RSEL-05 | WLL 5T                             | 5.000   | 4.000   | 10.000  | 7.000   | 5.000   | 3.500   | 2.500   | 7.000   | 5.600   | 5.000   | 4.000   |
| RSEL-06 | WLL 6T                             | 6.000   | 4.800   | 12.000  | 8.400   | 6.000   | 4.200   | 3.000   | 8.400   | 6.720   | 6.000   | 4.800   |
| RSEL-08 | WLL 8T                             | 8.000   | 6.400   | 16.000  | 11.200  | 8.000   | 5.600   | 4.000   | 11.200  | 8.960   | 8.000   | 6.400   |
| RSEL-10 | WLL 10T                            | 10.000  | 8.000   | 20.000  | 14.000  | 10.000  | 7.000   | 5.000   | 14.000  | 11.200  | 10.000  | 8.000   |
| RSEL-12 | WLL 12T                            | 12.000  | 9.600   | 24.000  | 16.800  | 12.000  | 8.400   | 6.000   | 16.800  | 13.400  | 12.000  | 9.600   |

### Polyester Webbing Sling Endless type



Type

- Endless polyester webbing slings.
- Single or double ply.

Technical specifications

- Colour coded according to EN 1492-1.
- Capacity stripes; each stripe is equal to 1 tonne capacity.

Characteristics

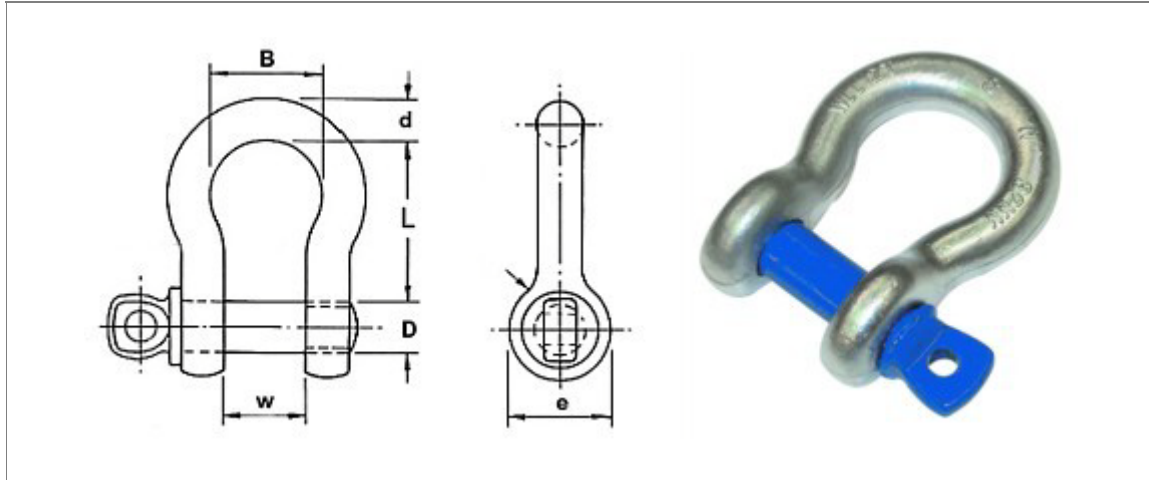
- Low elongation.
- Extra strong webbing for a high abrasion resistance.

Norms

- According to Machine Directive 98/37/EC.

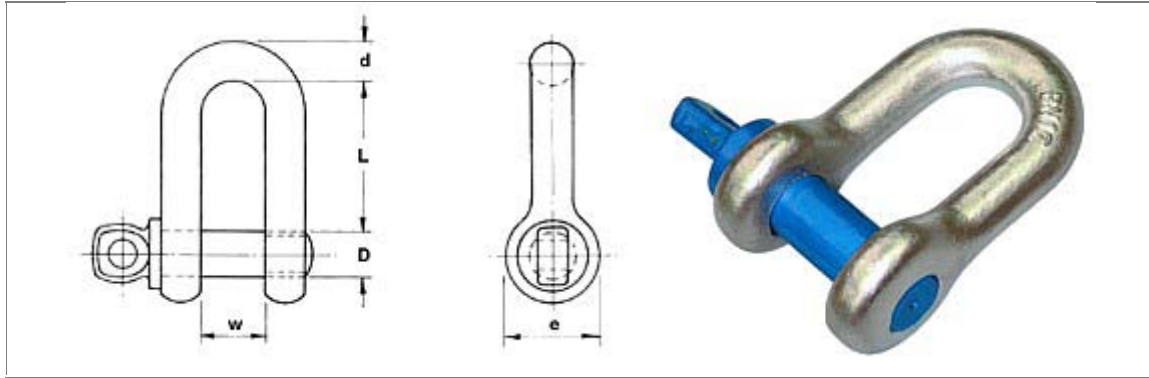
| Item     | Colour coded according to EN1492-1 | Working Load Limit with 1 webbing sling |             |        |         |       |       |       | Working Load Limit with 2 webbing slings |                      |                     |                   |
|----------|------------------------------------|---|-------------|--------|---------|-------|-------|-------|--|----------------------|---------------------|-------------------|
|          |                                    | Straight lift                           | Choked lift | 0-7    | $\beta$ |       |       |       | Straight lift up to 45                   | Choked lift up to 45 | Straight lift 45-60 | Choked lift 45-60 |
|          |                                    |   |             |        | 0-7     | 7-45  | 45-60 | 45-60 |  |                      |                     |                   |
|          |                                    |   |             |        |         |       |       |       |  |                      |                     |                   |
|          |                                    | 1.0                                     | 0.8         | 2.0    | 1.4     | 1.0   | 0.7   | 0.5   | 1.4                                      | 1.12                 | 1.0                 | 0.8               |
| WSED-202 | <b>WLL 2T</b>                      | 2.000                                   | 1.600       | 4.000  | 2.800   | 2.000 | 1.400 | 1.000 | 2.800                                    | 2.240                | 2.000               | 1.600             |
| WSED-203 | <b>WLL 3T</b>                      | 3.000                                   | 2.400       | 6.000  | 4.200   | 3.000 | 2.100 | 1.500 | 4.200                                    | 3.360                | 3.000               | 2.400             |
| WSED-204 | <b>WLL 4T</b>                      | 4.000                                   | 3.200       | 8.000  | 5.600   | 4.000 | 2.800 | 2.000 | 5.600                                    | 4.480                | 4.000               | 3.200             |
| WSED-206 | <b>WLL 6T</b>                      | 6.000                                   | 4.800       | 12.000 | 8.400   | 6.000 | 4.200 | 3.000 | 8.400                                    | 6.720                | 6.000               | 4.800             |
| WSED-208 | <b>WLL 8T</b>                      | 8.000                                   | 6.400       | 16.000 | 11.200  | 8.000 | 5.600 | 4.000 | 11.200                                   | 8.960                | 8.000               | 6.400             |

**GRADE S BOW TYPE SCREW PIN SHACKLES**



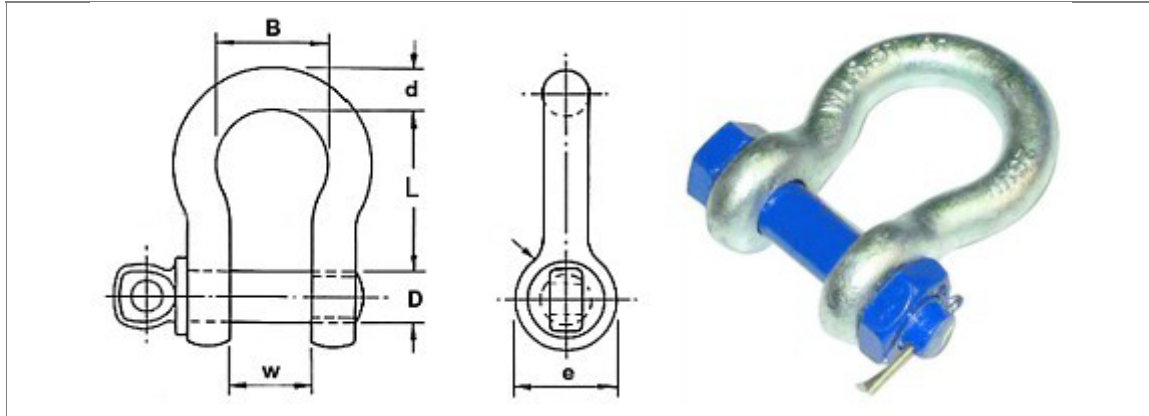
| WLL/Tonnes | SIZE/d/mm | D/mm | W/mm | B/mm | L/MM | e/mm |
|------------|-----------|------|------|------|------|------|
| 0.33       | 5         | 6    | 10   | 15   | 22   | 14   |
| 0.50       | 6         | 8    | 12   | 20   | 29   | 17   |
| 0.75       | 8         | 10   | 13   | 21   | 31   | 21   |
| 1.00       | 10        | 11   | 17   | 26   | 37   | 25   |
| 1.50       | 11        | 13   | 18   | 29   | 43   | 27   |
| 2.00       | 13        | 16   | 21   | 33   | 48   | 33   |
| 3.20       | 16        | 19   | 27   | 43   | 61   | 40   |
| 4.70       | 19        | 22   | 32   | 51   | 72   | 48   |
| 6.50       | 22        | 25   | 37   | 58   | 84   | 54   |
| 8.50       | 25        | 29   | 43   | 68   | 95   | 60   |
| 9.50       | 29        | 32   | 46   | 74   | 108  | 67   |
| 12.00      | 32        | 35   | 52   | 83   | 119  | 76   |
| 13.5       | 35        | 38   |      |      |      |      |
| 17         | 38        | 41   |      |      |      |      |
| 25         | 44        | 51   |      |      |      |      |
| 35         | 51        | 57   |      |      |      |      |
| 55         | 63        | 70   |      |      |      |      |
| 85         | 76        | 83   |      |      |      |      |

**GRADE S DEE TYPE SCREW PIN SHACKLES**



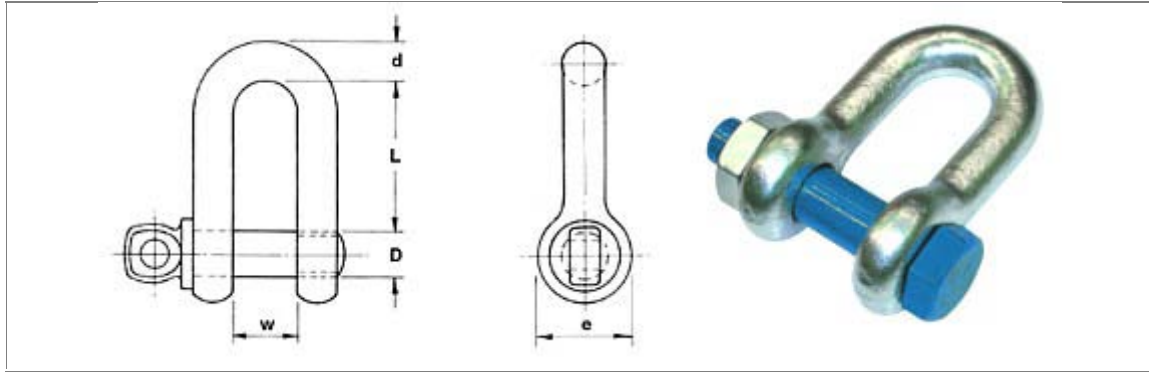
| WLL/Tonnes | SIZE/d/mm | D/mm | W/mm | L/MM | e/mm |
|------------|-----------|------|------|------|------|
| 0.33       | 5         | 6    | 10   | 22   | 14   |
| 0.50       | 6         | 8    | 12   | 29   | 17   |
| 0.75       | 8         | 10   | 13   | 31   | 21   |
| 1.00       | 10        | 11   | 17   | 37   | 25   |
| 1.50       | 11        | 13   | 18   | 43   | 27   |
| 2.00       | 13        | 16   | 21   | 48   | 33   |
| 3.20       | 16        | 19   | 27   | 61   | 40   |
| 4.70       | 19        | 22   | 32   | 72   | 48   |
| 6.50       | 22        | 25   | 37   | 84   | 54   |
| 8.50       | 25        | 29   | 43   | 95   | 60   |
| 9.50       | 29        | 32   | 46   | 108  | 67   |
| 12.00      | 32        | 35   | 52   | 119  | 76   |
| 13.5       | 35        | 38   |      |      |      |
| 17         | 38        | 41   |      |      |      |
| 25         | 44        | 51   |      |      |      |
| 35         | 51        | 57   |      |      |      |
| 55         | 63        | 70   |      |      |      |
| 85         | 76        | 83   |      |      |      |

**GRADE S BOW TYPE SAFETY SHACKLES**



| WLL/Tonnes | SIZE/d/mm | D/mm | W/mm | B/mm | L/MM | e/mm |
|------------|-----------|------|------|------|------|------|
| 1.00       | 10        | 11   |      |      |      |      |
| 2.00       | 13        | 16   | 21   | 33   | 48   | 33   |
| 3.20       | 16        | 19   | 27   | 43   | 61   | 40   |
| 4.75       | 19        | 22   | 32   | 51   | 72   | 48   |
| 6.50       | 22        | 25   | 37   | 58   | 84   | 54   |
| 8.50       | 25        | 29   | 43   | 68   | 95   | 60   |
| 9.50       | 29        | 32   | 46   | 74   | 108  | 67   |
| 12.00      | 32        | 35   | 52   | 83   | 119  | 76   |
| 13.5       | 35        | 38   |      |      |      |      |
| 17         | 38        | 41   |      |      |      |      |
| 25         | 44        | 51   |      |      |      |      |
| 35         | 51        | 57   |      |      |      |      |
| 55         | 63        | 70   |      |      |      |      |
| 85         | 76        | 83   |      |      |      |      |

**GRADE S DEE TYPE SAFETY PIN SHACKLES**



| WLL/Tonnes | SIZE/d/mm | D/mm | W/mm | L/MM | e/mm |
|------------|-----------|------|------|------|------|
| 0.5        | 6         | 8    |      |      |      |
| 0.75       | 8         | 10   |      |      |      |
| 1          | 10        | 11   |      |      |      |
| 2.00       | 13        | 16   | 21   | 48   | 33   |
| 3.25       | 16        | 19   | 27   | 61   | 40   |
| 4.75       | 19        | 22   | 32   | 72   | 48   |
| 6.50       | 22        | 25   | 37   | 84   | 54   |
| 9.50       | 29        | 32   | 46   | 108  | 67   |
| 12.00      | 32        | 35   | 52   | 119  | 76   |
| 13.5       | 35        | 38   |      |      |      |
| 25         | 44        | 51   |      |      |      |
| 35         | 51        | 57   |      |      |      |
| 55         | 63        | 70   |      |      |      |
| 85         | 76        | 83   |      |      |      |

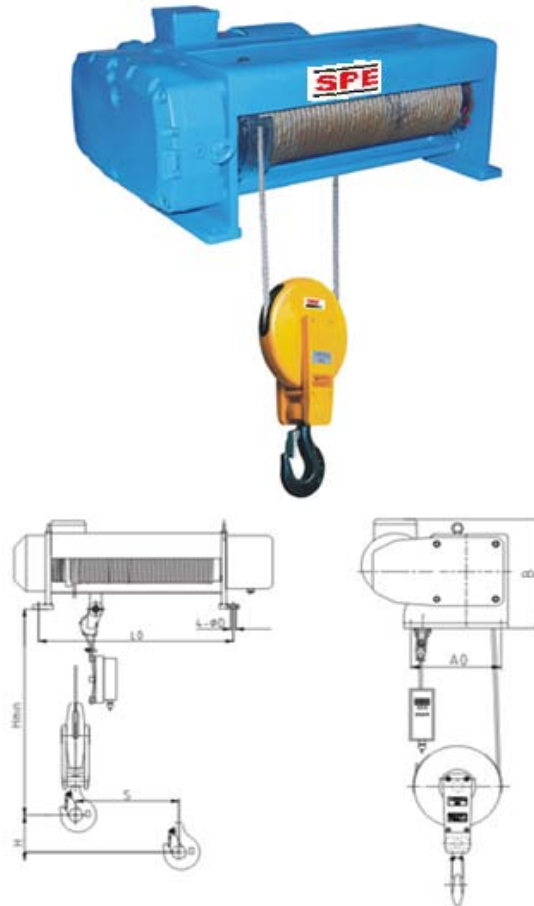
### SPE Load Cell



### Load Cell Specifications

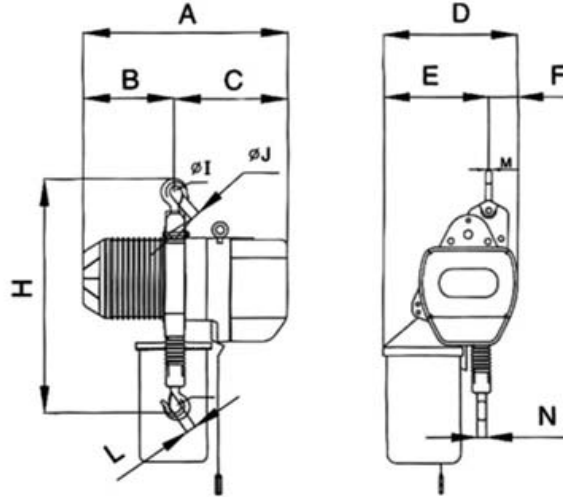
| Specification | Accessories              |
|---------------|--------------------------|
| 2T LCD        | Battery                  |
| 5T LCD        | Battery                  |
| 6.5T LCD      | Remote, antenna, charger |
| 12.5T LCD     | Remote, antenna, charger |
| 24T LCD       | Remote, antenna, charger |
| 50T LCD       | Remote, antenna, charger |
| 100T LCD      | Remote, antenna, charger |

SPE foot-mounted hoist



| Type | Capacity | Lifting speed(m/min) | Hmin(mm) | A0(mm) | B(mm) | S(mm) L0(mm) |     |     |     |     | D(mm) |     |     |     |      |    |
|------|----------|----------------------|----------|--------|-------|--------------|-----|-----|-----|-----|-------|-----|-----|-----|------|----|
|      |          |                      |          |        |       | H6           | H9  | H12 | H18 | H24 |       |     |     |     |      |    |
| SPE2 | 1.6t     | 1.2/8                | 788      | 260    | 336   | 119          | 455 | 179 | 575 | 235 | 690   | 358 | 908 | 478 | 1126 | 18 |
| SPE3 | 2.5t     | 1.2/8                | 836      | 300    | 380   | 127          | 469 | 191 | 596 | 255 | 723   | 382 | 977 | 510 | 1232 | 18 |
| SPE4 | 6.3t     | 1.6/10               | 807      | 400    | 510.5 | 116          | 480 | 173 | 600 | 231 | 712   | 346 | 943 | 462 | 1174 | 22 |

## SPE SERIES ELECTRIC CHAIN HOIST



### Size Specification

| Type      | Capacity (t) | Unit (mm) |     |     |     |     |     |     |    |    |    |    |    |    |  |
|-----------|--------------|-----------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|--|
|           |              | H         | A   | B   | C   | D   | E   | F   | I  | J  | K  | L  | M  | N  |  |
| SHH-1.5-1 | 1.5          | 700       | 630 | 315 | 315 | 448 | 278 | 170 | 52 | 45 | 52 | 45 | 35 | 35 |  |
| SHH-2-1   | 2            | 880       | 630 | 315 | 315 | 448 | 278 | 170 | 52 | 45 | 52 | 45 | 35 | 35 |  |
| SHH-2.5-1 | 2.5          | 960       | 630 | 315 | 315 | 448 | 340 | 170 | 52 | 45 | 52 | 45 | 35 | 35 |  |
| SHH-3-2   | 3            | 700       | 630 | 315 | 315 | 448 | 278 | 108 | 52 | 45 | 52 | 45 | 35 | 30 |  |
| SHH-5-2   | 5            | 1030      | 630 | 315 | 315 | 448 | 356 | 92  | 63 | 52 | 63 | 52 | 45 | 45 |  |

### Technical Parameters

| Type      | SWL (t) | Lifting height (m) | Lifting speed (m/min) | Travelling Speed (m/min) | Lifting motor |                |           |                | Travelling Motor |       |           |            | Beam range |         |         |
|-----------|---------|--------------------|-----------------------|--------------------------|---------------|----------------|-----------|----------------|------------------|-------|-----------|------------|------------|---------|---------|
|           |         |                    |                       |                          | Power         | Rotation Speed | Voltage   |                | Power            | Phase | Frequency | Beam range |            |         |         |
|           |         |                    |                       |                          |               | Phase          | Frequency | Rotation Speed |                  |       |           |            |            | Volatge |         |
| SHH-1.5-1 | 1.5     | 3/9                | 10.2                  | 20                       | 3.0           | 1440           | 3         | 380/220        | 50/60            | 0.4   | 1440      | 3          | 380/220    | 50/60   | 100-150 |
| SHH-2-1   | 2       | 3/9                | 6.8                   | 20                       | 3.0           | 1440           | 3         | 380/220        | 50/60            | 0.4   | 1440      | 3          | 380/220    | 50/60   | 128-175 |
| SHH-2.5-1 | 2.5     | 3/9                | 5.6                   | 20                       | 3.0           | 1440           | 3         | 380/220        | 50/60            | 0.4   | 1440      | 3          | 380/220    | 50/60   | 128-175 |
| SHH-3-2   | 3       | 3/9                | 5.8                   | 20                       | 3.0           | 1440           | 3         | 380/220        | 50/60            | 0.75  | 1440      | 3          | 380/220    | 50/60   | 100-150 |
| SHH-5-2   | 5       | 3/9                | 2.8                   | 20                       | 3.0           | 1440           | 3         | 380/220        | 50/60            | 0.75  | 1440      | 3          | 380/220    | 50/60   | 128-175 |

**Galleries**

**Onsite Testing**



**77t Crane Testing**



### Anchor Chain Inspection & Testing



### Flight Deck Tie Down Testing & Certification





### Sydney Service Fleet



### Melbourne Service Fleet

