

# GRADE 100 & 80



DRAAIBARE HIJSGEN | LASBEUGELS | VERANKERINGSPUNTEN VOOR VALBEVEILIGING

SWIVEL EYEBOLTS | WELD-ON POINTS | ANTIFALLING STOP DEVICE

ANNEAUX DE LEVAGE ÉMERILLON | DISPOSITIF D' ANCRAGE | D' ARRÊT ANTICHUTE

DREHBARE ANSCHLAGPUNKTE SCHRAUBAR - SCHWEISSBAR | ABSTURZSICHERUNGSPUNKT



**MARKINGS**

- [ CARTEC ]: Manufacturer label
- [ CE ]: CE markings in compliance with the Machinery Directive 2006/42/EC
- [ WLL ... t ]: Maximum load that can be used in tons (for example 13 t)
- [ 1/L ]: Traceability batch
- [ ]: QR code for instructions
- [  $\Delta$  ]: Working load limit positions
- [ 813 ]: Product code
- [ 10 ]: Grade 100
- [ M... ]: Reference thread

**CHECK SUITABILITY BEFORE USE**

Before use each time make sure that:

- 1) The Hoist rings and its entire component including the screw do not have defects due to wear, corrosion, cracks or visible deformations.
  - 2) Markings have to be clearly legible and the specific user manuals are always applicable.
  - 3) The loads to be lifted are in compliance with the loads of the eyebolts (the loads are specified both on the eyebolts and on the specific user manual)
  - 4) The diameter of the ring has not been reduced more than the 10% of the original diameter of the ring itself due to wear in one of the points of contact eyebolt's body rotates freely. If these checks give negative outcome, the eyebolt must not be use anymore, and must be replaced
- Please remember that:
- Checks have to be carried out by a qualified staff as lifting accessories
  - Hoist rings must undergo checks at regular intervals and scheduled in compliance with the laws in force
- 1) The rotating eyebolt with clamps must be fitted by a qualified staff of age as it is used for lifting operations which must be carried out in compliance to the Machinery Directive 2006/42/EC and subsequent modifications.
  - 2) The qualified person supervise the lifting operation and must always detect the gravity centre of the load and position the eyebolts in order to guarantee that the said load is always balanced
  - 3) If the load is asymmetrical take into consideration a decrease in capacity as shown on the reference chart
  - 4) Check suitability of the resistance class of the mother screw which has to house the eyebolt with the ratio of the load to be lifted (the material of the mother screw has to have a traction of resistance which is the same or higher than steel S235JR – norm of reference UNI EN 10025)
  - 5) The depth of the threaded hole has to be minimum
    - **1xd for steel**
    - **1.25xd for cast iron**
    - **1.5xd for cast iron casting with low resistance (resistance<200 Mpa)**
    - **2xd for aluminium alloys**
    - **2.5xd for aluminium-magnesium alloys**
  - 6) The threaded hole must be perpendicular to the surface
  - 7) Make sure that the surface of the mother screw is suitable for the planarity and dimension in order to guarantee touching of all the surface place of the eyebolt and that adheres suitably. The eyebolt cannot be used with parts of the lifting surface
  - 8) To install the eyebolt simply manually look the screw with the key without the aid of extension leads which could preload the screw with excessive locking (do not exceed locking specified in the chart)
  - 9) Lock the eyebolt until its fits completely onto the surface
  - 10) Once locking has been carried out make sure that the clamp and the ring rotate freely and correctly
  - 11) Once locking has been carried out orient the ring of the device in the direction of the load
  - 12) REASONS FOR CAPACITY REDUCTIONS
- Ambient temperature & Load limit reduction:
- **below -40°C Not permitted**
  - **from -40°C to 200°C None**
  - **from 200°C to 300°C -10%**
  - **from 300°C to 400°C -25%**
  - **over 400°C Not permitted**
- 13) Safety coefficient 4
  - 14) For lifting device that remain attached to the structure we recommend the part being locked by means of thread brake glue
  - 15) The eyebolt can be used safely up to maximum of 20.000 lifts with a full load
  - 16) For risky lifting operations safety measurement have to be taken for the people who undergo the risk
  - 17) if the instructions are not adhered to serious damage can be caused to things and injured to people
  - 18) The documentation has been drawn up in compliance with section 1.7.4.2 of the Machinery Directive 2006/42/EC

**NOT ALLOWED**

- 1) Do not use eyebolts in acid high corrosion chemical environment and/or in an explosive atmosphere
- 2) Do not use in environment with a temperature higher than 400°C or lower than – 40°C
- 3) Do not exceed the capacity specified on the reference chart
- 4) Do not use for operations which defer from the ones that are foreseen
- 5) Do not use locking screws which are larger than than ones specified to assemble the eyebolt
- 6) Do not replace screw and all the original components
- 7) Do not use to lifting people
- 8) Do not stand under an overhanging load
- 9) Do not stand during use in dangerous areas (dangerous areas means areas which deemed risky due to falling of load during movement with accessories)
- 10) If changes, repairs and/or treatments are made to the product, the terms of guarantee are no longer applicable and the manufacturer declines all liability

**STORAGE**

The device must be stored in a suitable environment (ex. dry, non-corrosive, etc.).

**DISPOSAL**

The product packaging must be sent for normal recycling.  
The product must be recovered as metal scrap.



# CARTEC

## C800

### ROTATING EYEBOLT WITH RING - can be oriented during loading

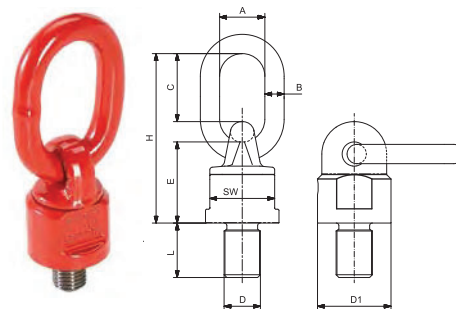


#### FORESEEN USE

Rotating eyebolt needed to lift loads to assemble to the load itself with specific threaded hole generally used to turn or tilt heavy loads.

- Coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 – EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Non standard threading and stem length upon request
- Can be oriented at 360° with self aligning tilting ring at 180°
- Assembled with spheres to make load orientation easier
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity

Available, on demand, not standard threading and stem length.



| Code         | Size<br>mm DxL | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | H<br>mm | SW<br>mm | D1<br>mm | Weight<br>Kg |
|--------------|----------------|-------------|---------|---------|---------|---------|---------|----------|----------|--------------|
| C8000030816  | M8x16          | 0,3         | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,48         |
| C8000030818  | M8x18          | 0,3         | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,48         |
| C8000031018  | M10x18         | 0,3         | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,48         |
| C8000051218  | M12x18         | 0,5         | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,5          |
| C8000051225  | M12x25         | 0,5         | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,5          |
| C8000101620  | M16x20         | 1,12        | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,5          |
| C8000101630  | M16x30         | 1,12        | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,53         |
| C8000102030  | M20x30         | 1,12        | 30      | 13      | 46      | 50      | 105     | 30       | 38       | 0,53         |
| C8000202030  | M20x30         | 2           | 34      | 16      | 57      | 61      | 131     | 40       | 50       | 1,05         |
| C8000302430  | M24x30         | 3,15        | 40      | 18      | 70      | 68      | 153     | 48       | 58       | 1,63         |
| C8000503035  | M30x35         | 5,3         | 45      | 22      | 65      | 80      | 165     | 65       | 75       | 2,23         |
| C8000503045  | M30x45         | 5,3         | 45      | 22      | 65      | 80      | 165     | 65       | 75       | 2,23         |
| C8000803035  | M30x35         | 8           | 50      | 23      | 95      | 95      | 205     | 75       | 85       | 5,3          |
| C8000803045  | M30x45         | 8           | 50      | 23      | 95      | 95      | 205     | 75       | 85       | 5,3          |
| C8000803654  | M36x54         | 8           | 50      | 23      | 95      | 95      | 205     | 75       | 85       | 5,5          |
| C8001004263  | M42x63         | 10          | 50      | 23      | 95      | 95      | 205     | 75       | 85       | 10           |
| C8001504860  | M48x60         | 15          | 70      | 32      | 120     | 130     | 280     | 95       | 120      | 10           |
| C8001505678  | M56x78         | 15          | 70      | 32      | 120     | 130     | 280     | 95       | 120      | 10           |
| C8001506496  | M64x96         | 15          | 70      | 32      | 120     | 130     | 280     | 95       | 120      | 10           |
| C80025072108 | M72x108        | 25          | 90      | 45      | 130     | 165     | 338     | 140      | 170      | 29           |
| C80030080120 | M80x120        | 30          | 90      | 45      | 130     | 165     | 338     | 140      | 170      | 29           |
| C80035090135 | M90x135        | 35          | 90      | 45      | 130     | 165     | 338     | 140      | 170      | 29           |

#### Working load limit W.L.L. (t)

| Code         | Size<br>mm DxL  | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------------|-----------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|              |                 |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C8000030816  | 0,3 t - M8x16   | 0,6         | 1,2          | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 10                                |
| C8000030818  | 0,3 t - M8x18   | 0,6         | 1,2          | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 10                                |
| C8000031018  | 0,3 t - M10x18  | 0,6         | 1,2          | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 10                                |
| C8000051218  | 0,5 t - M12x18  | 1           | 2            | 0,5          | 1             | 0,75              | 0,5                | 0,5             | 1,1                 | 0,75                 | 0,5               | 10                                |
| C8000051225  | 0,5 t - M12x25  | 1           | 2            | 0,5          | 1             | 0,75              | 0,5                | 0,5             | 1,1                 | 0,75                 | 0,5               | 10                                |
| C8000101620  | 1,12 t - M16x20 | 2           | 4            | 1,12         | 2             | 1,5               | 1,12               | 1,12            | 2,36                | 1,6                  | 1,12              | 30                                |
| C8000101630  | 1,12 t - M16x30 | 2           | 4            | 1,12         | 2             | 1,5               | 1,12               | 1,12            | 2,36                | 1,6                  | 1,12              | 30                                |
| C8000102030  | 1,12 t - M20x30 | 2           | 4            | 1,12         | 2             | 1,5               | 1,12               | 1,12            | 2,36                | 1,6                  | 1,12              | 70                                |
| C8000202030  | 2 t - M20x30    | 4           | 8            | 2            | 4             | 2,8               | 2                  | 2               | 4                   | 3                    | 2                 | 70                                |
| C8000302430  | 3,15 t - M24x30 | 6,3         | 12,5         | 3,15         | 6,3           | 4,25              | 3,15               | 3,15            | 6,3                 | 4,75                 | 3,15              | 150                               |
| C8000503035  | 5,3 t - M30x35  | 10,6        | 21,2         | 5,3          | 10,6          | 7,1               | 5,3                | 5,3             | 11,2                | 8                    | 5,3               | 225                               |
| C8000503045  | 5,3 t - M30x45  | 10,6        | 21,2         | 5,3          | 10,6          | 7,1               | 5,3                | 5,3             | 11,2                | 8                    | 5,3               | 225                               |
| C8000803035  | 8 t - M30x35    | 12,5        | 25           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 225                               |
| C8000803045  | 8 t - M30x45    | 12,5        | 25           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 225                               |
| C8000803654  | 8 t - M36x54    | 12,5        | 25           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 410                               |
| C8001004263  | 10 t - M42x63   | 15          | 30           | 10           | 20            | 14                | 10                 | 10              | 21,2                | 15                   | 10                | 550                               |
| C8001504860  | 15 t - M48x60   | 25          | 50           | 15           | 30            | 21                | 15                 | 15              | 31,5                | 22,5                 | 15                | 550                               |
| C8001505678  | 15 t - M56x78   | 25          | 50           | 15           | 30            | 21                | 15                 | 15              | 31,5                | 22,5                 | 15                | 800                               |
| C8001506496  | 15 t - M64x96   | 25          | 50           | 15           | 30            | 21                | 15                 | 15              | 31,5                | 22,5                 | 15                | 800                               |
| C80025072108 | 25 t - M72x108  | 35          | 70           | 25           | 50            | 35                | 25                 | 25              | 52,5                | 37,5                 | 25                | 800                               |
| C80030080120 | 30 t - M80x120  | 35          | 70           | 30           | 60            | 42                | 30                 | 30              | 63                  | 45                   | 30                | 1500                              |
| C80035090135 | 35 t - M90x135  | 35          | 70           | 35           | 70            | 49                | 35                 | 35              | 73,5                | 52,5                 | 35                | 2000                              |

NOT SUITABLE FOR CONTINUOUS ROTATING MOVEMENT DURING LOADING

# CARTEC

## C800X

### ROTATING EYEBOLT WITH RING - can be oriented during loading

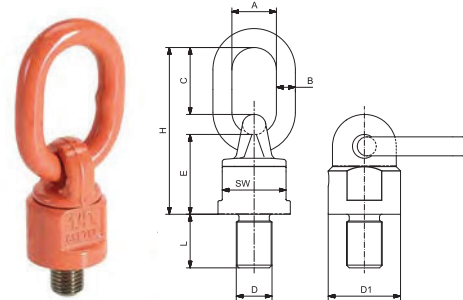


#### FORESEEN USE

Rotating eyebolt needed to lift loads to assemble to the load itself with specific threaded hole generally used to turn or tilt heavy loads.

- Coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Non standard threading and stem length upon request
- Can be oriented at 360° with self aligning tilting ring at 180°
- Assembled with spheres to make load orientation easier
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity

Available, on demand, not standard threading and stem length.



| Code          | Size<br>mm DxL | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | H<br>mm | SW<br>mm | D1<br>ø mm | Weight<br>Kg |
|---------------|----------------|-------------|---------|---------|---------|---------|---------|----------|------------|--------------|
| C800X0030816  | M8x16          | 0,3         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,48         |
| C800X0030818  | M8x18          | 0,3         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,48         |
| C800X0051018  | M10x18         | 0,5         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,48         |
| C800X0071218  | M12x18         | 0,7         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,5          |
| C800X0101420  | M14x20         | 1           | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,53         |
| C800X0141620  | M16x20         | 1,4         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,53         |
| C800X0172030  | M20x30         | 1,7         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,53         |
| C800X0172430  | M24x30         | 1,7         | 30      | 13      | 46      | 50      | 105     | 30       | 38         | 0,53         |
| C800X0252030  | M20x30         | 2,5         | 34      | 16      | 57      | 61      | 131     | 40       | 50         | 1,05         |
| C800X0402430  | M24x30         | 4           | 40      | 18      | 70      | 68      | 153     | 48       | 58         | 1,63         |
| C800X0403035  | M30x35         | 4           | 40      | 18      | 70      | 68      | 153     | 48       | 58         | 1,63         |
| C800X0673035  | M30x35         | 6,7         | 45      | 22      | 65      | 71      | 156     | 70       | 80         | 2,85         |
| C800X0803045  | M30x45         | 8           | 50      | 23      | 91      | 86      | 200     | 80       | 90         | 4,4          |
| C800X1003654  | M36x54         | 10          | 50      | 23      | 91      | 86      | 200     | 80       | 90         | 4,62         |
| C800X1254263  | M42x63         | 12,5        | 50      | 23      | 91      | 86      | 200     | 80       | 90         | 5,2          |
| C800X1254560  | M45x60         | 12,5        | 50      | 23      | 91      | 86      | 200     | 80       | 90         | 5,2          |
| C800X1254872  | M48x72         | 12,5        | 50      | 23      | 91      | 86      | 200     | 80       | 90         | 5,2          |
| C800X1604560  | M45x60         | 16          | 70      | 32      | 120     | 112     | 262     | 100      | 120        | 10,9         |
| C800X1704860  | M48x60         | 17          | 70      | 32      | 120     | 112     | 262     | 100      | 120        | 10,9         |
| C800X1805678  | M56x78         | 18          | 70      | 32      | 120     | 112     | 262     | 100      | 120        | 10,9         |
| C800X2006496  | M64x96         | 20          | 70      | 32      | 120     | 112     | 262     | 100      | 120        | 10,9         |
| C800X2806496  | M64x96         | 28          | 90      | 45      | 124     | 165     | 333     | 140      | 170        | 29           |
| C800X31572108 | M72x108        | 31,5        | 90      | 45      | 124     | 165     | 333     | 140      | 170        | 29           |
| C800X35080120 | M80x120        | 35          | 90      | 45      | 124     | 165     | 333     | 140      | 170        | 29           |
| C800X40090135 | M90x135        | 40          | 90      | 45      | 124     | 165     | 333     | 140      | 170        | 29           |

#### Working load limit W.L.L. (t)

| Code          | Size<br>mm DxL   | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>(Nm) |
|---------------|------------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-------------------------------------|
|               |                  |             |              |              |               |                   |                    |                 |                     |                      |                   |                                     |
| C800X0030816  | 0,3 t - M8x16    | 0,6         | 1,2          | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 10                                  |
| C800X0030818  | 0,3 t - M8x18    | 0,6         | 1,2          | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 10                                  |
| C800X0051018  | 0,5 t - M10x18   | 1           | 2            | 0,5          | 1             | 0,75              | 0,5                | 0,5             | 1                   | 0,75                 | 0,5               | 10                                  |
| C800X0071218  | 0,7 t - M12x18   | 1,4         | 2,4          | 0,7          | 1,4           | 1                 | 0,7                | 0,7             | 1,4                 | 1                    | 0,7               | 10                                  |
| C800X0101420  | 1 t - M14x20     | 2           | 4            | 1            | 2             | 1,4               | 1                  | 1               | 2,1                 | 1,5                  | 1                 | 25                                  |
| C800X0141620  | 1,4 t - M16x20   | 2,8         | 5,6          | 1,4          | 2,8           | 2                 | 1,4                | 1,4             | 3                   | 2,1                  | 1,4               | 30                                  |
| C800X0172030  | 1,7 t - M20x30   | 3,4         | 6,8          | 1,7          | 3,4           | 2,4               | 1,7                | 1,7             | 3,6                 | 2,5                  | 1,7               | 70                                  |
| C800X0172430  | 1,7 t - M24x30   | 3,4         | 6,8          | 1,7          | 3,4           | 2,4               | 1,7                | 1,7             | 3,6                 | 2,5                  | 1,7               | 70                                  |
| C800X0252030  | 2,5 t - M20x30   | 5           | 10           | 2,5          | 5             | 3,5               | 2,5                | 2,5             | 5,3                 | 3,7                  | 2,5               | 70                                  |
| C800X0402430  | 4 t - M24x30     | 8           | 16           | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 | 150                                 |
| C800X0403035  | 4 t - M30x35     | 8           | 16           | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 | 150                                 |
| C800X0673035  | 6,7 t - M30x35   | 12          | 24           | 6,7          | 13,4          | 9,4               | 6,7                | 6,7             | 14                  | 10                   | 6,7               | 225                                 |
| C800X0803045  | 8 t - M30x45     | 12,5        | 25           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 225                                 |
| C800X1003654  | 10 t - M36x54    | 15          | 30           | 10           | 20            | 14                | 10                 | 10              | 21,2                | 15                   | 10                | 410                                 |
| C800X1254263  | 12,5 t - M42x63  | 15          | 30           | 12,5         | 25            | 17,5              | 12,5               | 12,5            | 26,2                | 18,7                 | 12,5              | 550                                 |
| C800X1254560  | 12,5 t - M45x60  | 15          | 30           | 12,5         | 25            | 17,5              | 12,5               | 12,5            | 26,2                | 18,7                 | 12,5              | 550                                 |
| C800X1254872  | 12,5 t - M48x72  | 15          | 30           | 12,5         | 25            | 17,5              | 12,5               | 12,5            | 26,2                | 18,7                 | 12,5              | 550                                 |
| C800X1604560  | 16 t - M45x60    | 25          | 50           | 16           | 30            | 21,2              | 16                 | 16              | 31,5                | 22,4                 | 15                | 550                                 |
| C800X1704860  | 17 t - M48x60    | 25          | 50           | 17           | 34            | 23,5              | 17                 | 17              | 35,7                | 25,5                 | 17                | 550                                 |
| C800X1805678  | 18 t - M56x78    | 25          | 50           | 18           | 36            | 25,2              | 18                 | 18              | 37                  | 27                   | 18                | 800                                 |
| C800X2006496  | 20 t - M64x96    | 25          | 50           | 20           | 40            | 28                | 20                 | 20              | 42,5                | 30                   | 20                | 800                                 |
| C800X2806496  | 28 t - M64x96    | 32,5        | 84           | 28           | 56            | 39,2              | 28                 | 28              | 58,8                | 42                   | 28                | 800                                 |
| C800X31572108 | 31,5 t - M72x108 | 50          | 100          | 31,5         | 63            | 44,1              | 31,5               | 31,5            | 66,2                | 47,2                 | 31,5              | 800                                 |
| C800X35080120 | 35 t - M80x120   | 50          | 100          | 35           | 70            | 49                | 35                 | 35              | 73,5                | 52,5                 | 35                | 1500                                |
| C800X40090135 | 40 t - M90x135   | 50          | 100          | 40           | 80            | 56                | 40                 | 40              | 85                  | 60                   | 40                | 2000                                |

**⚠ NOT SUITABLE FOR CONTINUOUS ROTATING MOVEMENT DURING LOADING**

# CARTEC

## C811X

**HEAVY LIFT SWIVEL HOIST RING** - in axis pull with minimum overall dimensions with coefficient 5



### FORESEEN USE

**Anchorage point for load lifting.**

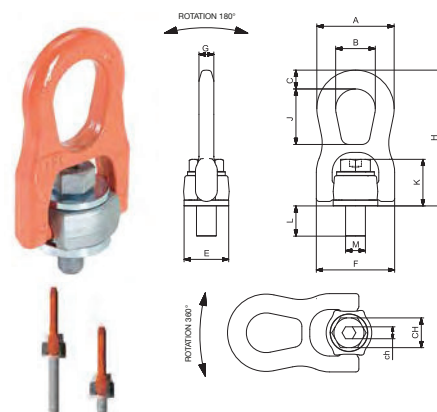
- Safety coefficient 5 in all loading directions
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- The screw is protected with the GEOMET system which guarantees lasting protection in time
- Ideal for fastening at 90°
- Captive screws
- The screws are manufactured to allow use with universal hexagonal keys

Please use the devise with the screw supplied, if replaced CARCANO SPA disclaims any and all responsibility or liability.

**Available, on demand, not standard threading and stem length.**

**Available also with UNC thread.**

**Also available with interchangeable screw. In case of screw's replacement please use screws with the same mechanical characteristics to the one furnished along with the article.**

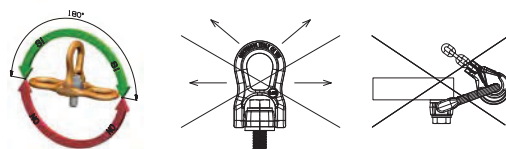


| Code    | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | J<br>mm | K<br>mm | L<br>mm | CH<br>mm | ch<br>mm | Weight<br>Kg |
|---------|------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|--------------|
| C811X08 | M8         | 0,3         | 56      | 28      | 14      | 30      | 55      | 11      | 99      | 40      | 33,5    | 12      | 13       | 5        | 0,37         |
| C811X10 | M10        | 0,6         | 56      | 28      | 14      | 30      | 55      | 11      | 99      | 40      | 34,5    | 15      | 17       | 6        | 0,37         |
| C811X12 | M12        | 1           | 56      | 28      | 14      | 30      | 55      | 11      | 99      | 40      | 35,5    | 18      | 19       | 7        | 0,37         |
| C811X14 | M14        | 1,3         | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 46      | 21      | 22       | 7        | 1,3          |
| C811X16 | M16        | 1,6         | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 46,5    | 25      | 24       | 10       | 1,3          |
| C811X18 | M18        | 2           | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 47      | 27      | 27       | 10       | 1,3          |
| C811X20 | M20        | 2,5         | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 48      | 30      | 30       | 12       | 1,3          |
| C811X22 | M22        | 3           | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 63,5    | 33      | 32       | 12       | 4            |
| C811X24 | M24        | 4           | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 64,5    | 36      | 36       | 14       | 4            |
| C811X27 | M27        | 5           | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 66,5    | 40      | 41       | 14       | 4            |
| C811X30 | M30        | 6,3         | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 68      | 45      | 46       | 17       | 4            |

### Working load limit W.L.L. (t)

| Code    | Size<br>mm | Size<br>UNC | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|---------|------------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|         |            |             |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C811X08 | M8         | 5/16" - 18  | 0,5         | 1            | 0,3          | 0,6           | 0,4               | 0,3                | 0,3             | 0,6                 | 0,45                 | 0,3               | 10                                |
| C811X10 | M10        | 3/8" - 16   | 1           | 2            | 0,6          | 1,2           | 0,8               | 0,6                | 0,6             | 1,3                 | 0,9                  | 0,6               | 15                                |
| C811X12 | M12        | 1/2" - 13   | 1,3         | 2,6          | 1            | 2             | 1,4               | 1                  | 1               | 2,1                 | 1,5                  | 1                 | 25                                |
| C811X14 | M14        |             | 2           | 4            | 1,3          | 2,6           | 1,8               | 1,3                | 1,3             | 2,7                 | 1,9                  | 1,3               | 30                                |
| C811X16 | M16        | 5/8" - 11   | 2,5         | 5            | 1,6          | 3,2           | 2,2               | 1,6                | 1,6             | 3,4                 | 2,4                  | 1,6               | 60                                |
| C811X18 | M18        |             | 3           | 6            | 2            | 4             | 2,8               | 2                  | 2               | 4,2                 | 3                    | 2                 | 100                               |
| C811X20 | M20        | 3/4" - 10   | 3,5         | 7            | 2,5          | 5             | 3,5               | 2,5                | 2,5             | 5,3                 | 3,7                  | 2,5               | 120                               |
| C811X22 | M22        | 7/8" - 9    | 4,5         | 9            | 3            | 6             | 4,2               | 3                  | 3               | 6,3                 | 4,5                  | 3                 | 130                               |
| C811X24 | M24        | 1" - 8      | 5,5         | 11           | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 | 200                               |
| C811X27 | M27        | 1 1/8" - 7  | 6,5         | 13           | 5            | 10            | 7                 | 5                  | 5               | 10,5                | 7,5                  | 5                 | 250                               |
| C811X30 | M30        | 1 1/4" - 7  | 7           | 14           | 6,3          | 12,6          | 8,8               | 6,3                | 6,3             | 13,2                | 9,4                  | 6,3               | 350                               |

**NOT ALLOWED**



**⚠ THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING**

## CARTEC

NEW

## C811X H.T.

HEAVY LIFT SWIVEL HOIST RING H.T. - in axis pull with minimum overall dimensions



## FORESEEN USE

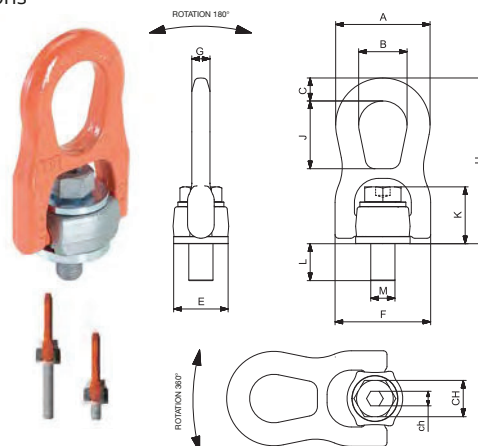
Anchorage point for load lifting.

- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- The screw is protected with the GEOMET system which guarantees lasting protection in time
- Ideal for fastening at 90°
- Captive screws
- The screws are manufactured to allow use with universal hexagonal keys

Please use the devise with the screw supplied, if replaced CARCANO SPA disclaims any and all responsibility or liability.

Available, on demand, not standard threading and stem length.

Available also with UNC thread.



| Code      | Size<br>mm | W.L.L. 5:1<br>t | W.L.L. 4:1<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | J<br>mm | K<br>mm | L<br>mm | CH<br>mm | ch<br>mm | Weight<br>Kg |
|-----------|------------|-----------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|--------------|
| C811XHT08 | M8         | 0,4             | 0,5             | 56      | 28      | 14      | 30      | 55      | 11      | 99      | 40      | 33,5    | 12      | 13       | 5        | 0,37         |
| C811XHT10 | M10        | 0,7             | 0,9             | 56      | 28      | 14      | 30      | 55      | 11      | 99      | 40      | 34,5    | 15      | 17       | 6        | 0,37         |
| C811XHT12 | M12        | 1,1             | 1,35            | 56      | 28      | 14      | 30      | 55      | 11      | 99      | 40      | 35,5    | 18      | 19       | 7        | 0,37         |
| C811XHT14 | M14        | 1,4             | 1,8             | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 46      | 21      | 22       | 7        | 1,3          |
| C811XHT16 | M16        | 2               | 2,5             | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 46,5    | 25      | 24       | 10       | 1,3          |
| C811XHT18 | M18        | 2               | 2,5             | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 47      | 27      | 27       | 10       | 1,3          |
| C811XHT20 | M20        | 3,2             | 4               | 74,5    | 38      | 18      | 47      | 78      | 17      | 135,5   | 55      | 48      | 30      | 30       | 12       | 1,3          |
| C811XHT22 | M22        | 3,5             | 4,5             | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 63,5    | 33      | 32       | 12       | 4            |
| C811XHT24 | M24        | 5               | 6,3             | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 64,5    | 36      | 36       | 14       | 4            |
| C811XHT27 | M27        | 5               | 6,3             | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 66,5    | 40      | 41       | 14       | 4            |
| C811XHT30 | M30        | 6,4             | 8               | 106     | 56      | 25      | 62      | 114,5   | 22      | 198,5   | 84      | 68      | 45      | 46       | 17       | 4            |

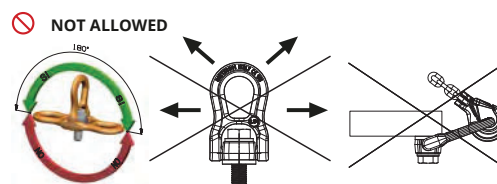
## Working load limit W.L.L. (t)

W.L.L. (t) calculated with the safety coefficient 5.1

| Code      | Size<br>mm | Size<br>UNC | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|-----------|------------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|           |            |             |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C811XHT08 | M8         | 5/16" - 18  | 0,8         | 1,6          | 0,4          | 0,8           | 0,56              | 0,4                | 0,4             | 0,84                | 0,6                  | 0,4               | 10                                |
| C811XHT10 | M10        | 3/8" - 16   | 1,3         | 2,6          | 0,7          | 1,4           | 0,98              | 0,7                | 0,7             | 1,47                | 1,05                 | 0,7               | 15                                |
| C811XHT12 | M12        | 1/2" - 13   | 1,5         | 3            | 1,1          | 2,2           | 1,5               | 1,1                | 1,1             | 2,3                 | 1,6                  | 1,1               | 25                                |
| C811XHT14 | M14        |             | 2,5         | 5            | 1,4          | 2,8           | 1,96              | 1,4                | 1,4             | 2,94                | 2,1                  | 1,4               | 30                                |
| C811XHT16 | M16        | 5/8" - 11   | 2,7         | 5,4          | 2            | 4             | 2,8               | 2                  | 2               | 4,25                | 3                    | 2                 | 60                                |
| C811XHT18 | M18        |             | 2,7         | 5,4          | 2            | 4             | 2,8               | 2                  | 2               | 4,25                | 3                    | 2                 | 100                               |
| C811XHT20 | M20        | 3/4" - 10   | 3,2         | 6,4          | 3,2          | 6,4           | 4,5               | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 120                               |
| C811XHT22 | M22        | 7/8" - 9    | 5,5         | 11           | 3,5          | 7             | 4,9               | 3,5                | 3,5             | 7,35                | 5,25                 | 3,5               | 130                               |
| C811XHT24 | M24        | 1" - 8      | 6           | 12           | 5            | 10            | 7,1               | 5                  | 5               | 10,6                | 7,5                  | 5                 | 200                               |
| C811XHT27 | M27        | 1 1/8" - 7  | 6           | 12           | 5            | 10            | 7,1               | 5                  | 5               | 10,6                | 7,5                  | 5                 | 250                               |
| C811XHT30 | M30        | 1 1/4" - 7  | 9           | 18           | 6,4          | 12,8          | 9                 | 6,4                | 6,4             | 13,5                | 9,6                  | 6,4               | 350                               |

W.L.L. (t) marked on the eyebolt calculated with the safety coefficient 4.1

| Code      | Size<br>mm | Size<br>UNC | 1   | 2   | 0,5  | 1    | 0,7  | 0,5  | 0,5  | 1,05 | 0,75 | 0,5  | 10  |
|-----------|------------|-------------|-----|-----|------|------|------|------|------|------|------|------|-----|
| C811XHT08 | M8         | 5/16" - 18  | 1   | 2   | 0,5  | 1    | 0,7  | 0,5  | 0,5  | 1,05 | 0,75 | 0,5  | 10  |
| C811XHT10 | M10        | 3/8" - 16   | 1,5 | 3   | 0,9  | 1,8  | 1,26 | 0,9  | 0,9  | 1,9  | 1,35 | 0,9  | 15  |
| C811XHT12 | M12        | 1/2" - 13   | 1,5 | 3   | 1,35 | 2,7  | 1,9  | 1,35 | 1,35 | 2,84 | 2    | 1,35 | 25  |
| C811XHT14 | M14        |             | 2,6 | 5,2 | 1,8  | 3,6  | 2,5  | 1,8  | 1,8  | 3,8  | 2,7  | 1,8  | 30  |
| C811XHT16 | M16        | 5/8" - 11   | 2,8 | 5,6 | 2,5  | 5    | 3,5  | 2,5  | 2,5  | 5,25 | 3,75 | 2,5  | 60  |
| C811XHT18 | M18        |             | 2,8 | 5,6 | 2,5  | 5    | 3,5  | 2,5  | 2,5  | 5,25 | 3,75 | 2,5  | 100 |
| C811XHT20 | M20        | 3/4" - 10   | 4   | 8   | 4    | 8    | 5,6  | 4    | 4    | 8,4  | 6    | 4    | 120 |
| C811XHT22 | M22        | 7/8" - 9    | 6   | 12  | 4,5  | 9    | 6,3  | 4,5  | 4,5  | 9,45 | 6,75 | 4,5  | 130 |
| C811XHT24 | M24        | 1" - 8      | 6,5 | 13  | 6,3  | 12,6 | 8,8  | 6,3  | 6,3  | 13,2 | 9,5  | 6,3  | 200 |
| C811XHT27 | M27        | 1 1/8" - 7  | 6,5 | 13  | 6,3  | 12,6 | 8,8  | 6,3  | 6,3  | 13,2 | 9,5  | 6,3  | 250 |
| C811XHT30 | M30        | 1 1/4" - 7  | 9   | 18  | 8    | 16   | 11,2 | 8    | 8    | 17   | 11,8 | 8    | 350 |



THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING

# CARTEC

## C812X

**HEAVY LIFT SWIVEL HOIST RING** - can be oriented during loading

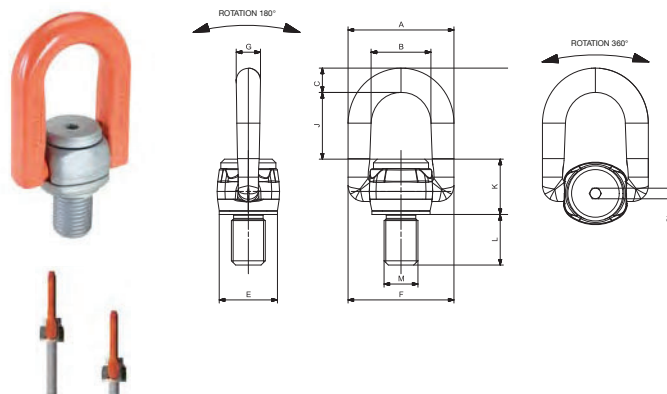


### FORESEEN USE

**Anchorage point for load lifting.**

- Safety coefficient 4 in all loading directions
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested according to EN 1677
- Ideal for fastening at 90°
- Captive screws
- The screws are manufactured to allow use with universal hexagonal keys

**Available, on demand, not standard threading and stem length.**

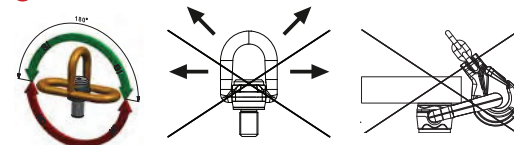


| Code     | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | J<br>mm | K<br>mm | L<br>mm | ch<br>mm | Weight<br>Kg |
|----------|------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------------|
| C812X33  | M33        | 8           | 150     | 85      | 32      | 76,5    | 150     | 32      | 220     | 108     | 80      | 50      | 17       | 6            |
| C812X36  | M36        | 10          | 150     | 85      | 32      | 76,5    | 150     | 32      | 220     | 108     | 80      | 54      | 17       | 6            |
| C812X39  | M39        | 10          | 150     | 85      | 32      | 76,5    | 150     | 32      | 220     | 108     | 80      | 58      | 17       | 6            |
| C812X42  | M42        | 12,5        | 150     | 85      | 32      | 76,5    | 150     | 32      | 220     | 108     | 80      | 63      | 17       | 6            |
| C812X45  | M45        | 15          | 176     | 100     | 39      | 95      | 176     | 39      | 257     | 128     | 90      | 63      | 17       | 10,5         |
| C812X48  | M48        | 17          | 176     | 100     | 39      | 95      | 176     | 39      | 257     | 128     | 90      | 68      | 17       | 10,5         |
| C812X52  | M52        | 20          | 176     | 100     | 39      | 95      | 176     | 39      | 257     | 128     | 90      | 68      | 17       | 10,5         |
| C812X56  | M56        | 25          | 200     | 113     | 46      | 110     | 200     | 46      | 277     | 126     | 105     | 78      | 19       | 16,3         |
| C812X64  | M64        | 35          | 200     | 113     | 46      | 110     | 200     | 46      | 277     | 126     | 105     | 90      | 19       | 16,3         |
| C812X72  | M72        | 25          | 200     | 113     | 46      | 110     | 200     | 46      | 277     | 126     | 105     | 78      | 19       | 16,3         |
| C812X80  | M80        | 35          | 200     | 113     | 46      | 110     | 200     | 46      | 277     | 126     | 105     | 90      | 19       | 16,3         |
| C812X90  | M90        | 35          | 200     | 113     | 46      | 110     | 200     | 46      | 277     | 126     | 105     | 90      | 19       | 16,3         |
| C812X100 | M100       | 35          | 200     | 113     | 46      | 110     | 200     | 46      | 277     | 126     | 105     | 90      | 19       | 16,3         |

### Working load limit W.L.L. (t)

| Code     | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|----------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|          |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C812X33  | M33        | 8           | 16           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 600                               |
| C812X36  | M36        | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                | 814                               |
| C812X39  | M39        | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                | 814                               |
| C812X42  | M42        | 12,5        | 25           | 12,5         | 25            | 17,5              | 12,5               | 12,5            | 26,3                | 18,8                 | 12,5              | 1304                              |
| C812X45  | M45        | 15          | 30           | 15           | 30            | 21                | 15                 | 15              | 32                  | 22,5                 | 15                | 1670                              |
| C812X48  | M48        | 20          | 40           | 20           | 40            | 28                | 20                 | 20              | 42                  | 25,5                 | 20                | 1981                              |
| C812X52  | M52        | 20          | 40           | 20           | 40            | 28                | 20                 | 20              | 42                  | 30                   | 20                | 1981                              |
| C812X56  | M56        | 25          | 50           | 25           | 50            | 35                | 25                 | 25              | 52,5                | 37,5                 | 25                | 3000                              |
| C812X64  | M64        | 35          | 70           | 35           | 70            | 49                | 35                 | 35              | 73,5                | 52,5                 | 35                | 4738                              |
| C812X72  | M72        | 25          | 50           | 25           | 50            | 35                | 25                 | 25              | 52,5                | 25                   | 25                | 6913                              |
| C812X80  | M80        | 35          | 70           | 35           | 70            | 49                | 35                 | 35              | 73,5                | 52,5                 | 35                | 9625                              |
| C812X90  | M90        | 35          | 70           | 35           | 70            | 49                | 35                 | 35              | 73,5                | 52,5                 | 35                | 14000                             |
| C812X100 | M100       | 35          | 70           | 35           | 70            | 49                | 35                 | 35              | 73,5                | 52,5                 | 35                | 14000                             |

**NOT ALLOWED**



**⚠ THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING**

## CARTEC

NEW

## C813X PERFORMER

PERFORMER HEAVY LIFT SWIVEL HOIST RING - QR code for instructions download

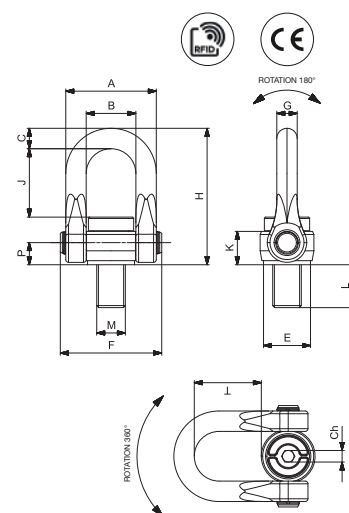
## FORESEEN USE

Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested according to EN 16771 ideal for fastening at 90°
- Captive screws
- The screws are manufactured to allow use with universal hexagonal keys

Available, on demand, not standard threading and stem length.

Available also with UNC thread.

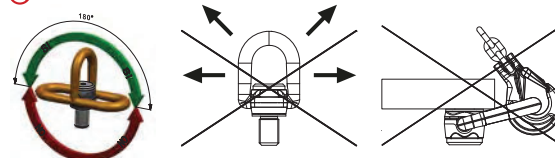


| Code     | Size M<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | J<br>mm | K<br>mm | L<br>mm | P<br>mm | T<br>mm | Ch<br>mm | Weight<br>Kg |
|----------|--------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------------|
| C813X33  | M33          | 10,5        | 131     | 71      | 30      | 69      | 149     | 30      | 199     | 100     | 49      | 50      | 32,5    | 97      | 17       | 5,6          |
| C813X36  | M36          | 12          | 131     | 71      | 30      | 69      | 149     | 30      | 199     | 100     | 49      | 54      | 32,5    | 97      | 17       | 5,8          |
| C813X39  | M39          | 14          | 131     | 71      | 30      | 69      | 149     | 30      | 199     | 100     | 49      | 58      | 32,5    | 97      | 17       | 5,9          |
| C813X42  | M42          | 15          | 131     | 71      | 30      | 69      | 149     | 30      | 199     | 100     | 49      | 63      | 32,5    | 97      | 17       | 6            |
| C813X45  | M45          | 16          | 131     | 71      | 30      | 69      | 149     | 30      | 199     | 100     | 49      | 63      | 32,5    | 97      | 17       | 6,1          |
| C813X48  | M48          | 20          | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 68      | 40      | 119     | 19       | 11,6         |
| C813X52  | M52          | 21          | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 68      | 40      | 119     | 19       | 11,8         |
| C813X56  | M56          | 25          | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 78      | 40      | 119     | 19       | 12,1         |
| C813X64  | M64          | 32,1        | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 90      | 40      | 119     | 19       | 12,9         |
| C813X72  | M72          | 25          | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 78      | 40      | 119     | 19       | 15,1         |
| C813X80  | M80          | 32,1        | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 90      | 40      | 119     | 19       | 15,9         |
| C813X90  | M90          | 32,1        | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 90      | 40      | 119     | 19       | 16,9         |
| C813X100 | M100         | 32,1        | 164     | 92      | 40      | 89      | 182     | 40      | 249     | 122     | 63      | 90      | 40      | 119     | 19       | 16,9         |

## Working load limit W.L.L. (t)

| Code     | Size<br>mm | Size<br>UNC | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|----------|------------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|          |            |             |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C813X33  | M33        |             | 14,5        | 29           | 10,5         | 21            | 14,7              | 10,5               | 10,5            | 22                  | 15,75                | 10,5              | 600                               |
| C813X36  | M36        | 1 1/2" - 6  | 15          | 30           | 12           | 24            | 16,8              | 12                 | 12              | 25,2                | 18                   | 12                | 814                               |
| C813X39  | M39        |             | 17          | 34           | 14           | 28            | 19,6              | 14                 | 14              | 29,4                | 21                   | 14                | 814                               |
| C813X42  | M42        | 1 3/4" - 5  | 16          | 32           | 15           | 30            | 21                | 15                 | 15              | 31,5                | 22,5                 | 15                | 1304                              |
| C813X45  | M45        |             | 16          | 32           | 16           | 32            | 22,4              | 16                 | 16              | 33,6                | 24                   | 16                | 1670                              |
| C813X48  | M48        | 2" - 4,5    | 22          | 44           | 20           | 40            | 28                | 20                 | 20              | 42                  | 30                   | 20                | 1981                              |
| C813X52  | M52        |             | 23          | 46           | 21           | 42            | 29,4              | 21                 | 21              | 44,1                | 31,5                 | 21                | 1981                              |
| C813X56  | M56        | 2 1/2" - 4  | 25          | 50           | 25           | 50            | 35                | 25                 | 25              | 52,5                | 37,5                 | 25                | 3000                              |
| C813X64  | M64        |             | 32,1        | 64,2         | 32,1         | 64,2          | 44,94             | 32,1               | 32,1            | 67,4                | 48,2                 | 32,1              | 4738                              |
| C813X72  | M72        |             | 25          | 50           | 25           | 50            | 35                | 25                 | 25              | 52,5                | 37,5                 | 25                | 4738                              |
| C813X80  | M80        |             | 32,1        | 64,2         | 32,1         | 64,2          | 44,94             | 32,1               | 32,1            | 67,4                | 48,2                 | 32,1              | 4738                              |
| C813X90  | M90        |             | 32,1        | 64,2         | 32,1         | 64,2          | 44,94             | 32,1               | 32,1            | 67,4                | 48,2                 | 32,1              | 4738                              |
| C813X100 | M100       |             | 32,1        | 64,2         | 32,1         | 64,2          | 44,94             | 32,1               | 32,1            | 67,4                | 48,2                 | 32,1              | 4738                              |

NOT ALLOWED



⚠ THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING



# CARTEC

## C806X

### ROTATING EYEBOLT WITH CLAMP - pull at 90° with minimum overall dimensions



#### FORESEEN USE

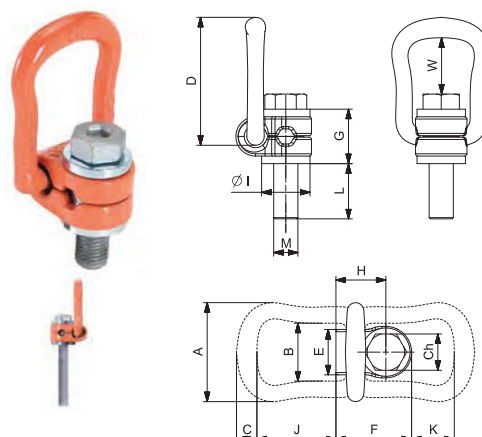
##### Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- The screw is protected with the GEOMET system which guarantees lasting protection in time
- Non standard threading and stem length upon request
- Ideal for fastening at 90°
- Captive screws
- The screws from M36 and above are manufactured to allow use with universal hexagonal keys.

Accordingly with the requirements of "DGUV - German institution for security" please use the device with the screw supplied, if replaced CARCANO SPA disclaims any and all responsibility or liability.

Available, on demand, not standard threading and stem length.

Also available with interchangeable screw. In case of screw's replacement please use screws with the same mechanical characteristics to the one furnished along with the article.

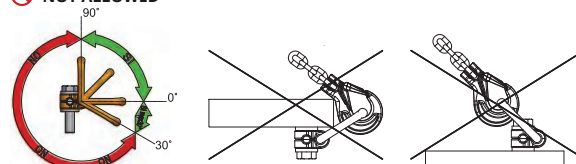


| Code       | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | I<br>mm | L<br>mm | W<br>mm | J<br>mm | K<br>mm | Ch<br>mm | Weight<br>Kg |
|------------|------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------------|
| C806X08    | M8         | 0,3         | 57      | 34      | 10      | 78      | 24      | 41      | 30      | 26,5    | 25      | 15      | 43      | 51      | 35      | 13       | 0,27         |
| C806X10    | M10        | 0,63        | 57      | 34      | 10      | 78      | 24      | 41      | 30      | 26,5    | 25      | 15      | 42      | 51      | 35      | 17       | 0,29         |
| C806X12    | M12        | 1           | 66      | 38      | 13,5    | 85      | 30      | 50      | 36      | 33      | 32      | 23      | 40      | 52      | 28      | 19       | 0,5          |
| C806X16    | M16        | 1,5         | 66      | 38      | 13,5    | 85      | 30      | 50      | 36      | 33      | 32      | 24      | 38      | 52      | 28      | 24       | 0,51         |
| C806X20    | M20        | 2,5         | 87      | 55      | 16      | 111     | 48      | 68      | 44      | 42,5    | 45      | 31      | 54      | 71      | 36      | 30       | 1,25         |
| C806X24    | M24        | 4           | 87      | 55      | 16      | 111     | 48      | 68      | 44      | 42,5    | 45      | 37      | 51      | 71      | 36      | 36       | 1,3          |
| C806X27    | M27        | 4           | 109     | 66      | 22,5    | 145     | 54      | 91      | 63      | 58,5    | 60      | 37      | 64      | 86      | 47      | 41       | 3,15         |
| C806X30    | M30        | 5           | 109     | 66      | 22,5    | 145     | 54      | 91      | 65      | 58,5    | 60      | 45      | 62      | 86      | 47      | 46       | 3,25         |
| C806X36T07 | M36        | 7           | 109     | 66      | 22,5    | 145     | 54      | 91      | 55      | 58,5    | 60      | 50      | 60      | 86      | 43      | 55       | 3,3          |
| C806X36    | M36        | 8           | 136     | 78      | 28      | 190     | 62      | 108     | 81      | 72,5    | 70      | 59      | 88      | 115     | 74      | 55       | 5,9          |
| C806X42T10 | M42        | 10          | 136     | 78      | 28      | 190     | 62      | 108     | 75      | 72,5    | 70      | 75      | 86      | 115     | 70      | 65       | 6,5          |
| C806X42    | M42        | 15          | 169     | 97      | 36      | 242     | 68      | 131     | 89      | 87,5    | 85      | 63      | 121     | 151     | 97      | 65       | 11,2         |
| C806X48    | M48        | 20          | 169     | 97      | 36      | 242     | 68      | 131     | 89      | 87,5    | 95      | 71      | 117     | 151     | 93      | 75       | 11,6         |

#### Working load limit W.L.L. (t)

| Code       | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|------------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|            |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C806X08    | M8         | 0,3         | 0,6          | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 30                                |
| C806X10    | M10        | 0,63        | 1,26         | 0,63         | 1,26          | 0,88              | 0,63               | 0,63            | 1,32                | 0,95                 | 0,63              | 60                                |
| C806X12    | M12        | 1           | 2            | 1            | 2             | 1,4               | 1                  | 1               | 2,1                 | 1,5                  | 1                 | 100                               |
| C806X16    | M16        | 1,5         | 3            | 1,5          | 3             | 2,1               | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 150                               |
| C806X20    | M20        | 2,5         | 5            | 2,5          | 5             | 3,5               | 2,5                | 2,5             | 5,25                | 3,75                 | 2,5               | 250                               |
| C806X24    | M24        | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 | 400                               |
| C806X27    | M27        | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 | 400                               |
| C806X30    | M30        | 5           | 10           | 5            | 10            | 7                 | 5                  | 5               | 10,5                | 7,5                  | 5                 | 500                               |
| C806X36T07 | M36        | 7           | 14           | 7            | 14            | 9,8               | 7                  | 7               | 14,7                | 10,4                 | 7                 | 700                               |
| C806X36    | M36        | 8           | 16           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 800                               |
| C806X42T10 | M42        | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                | 925                               |
| C806X42    | M42        | 15          | 30           | 15           | 30            | 21                | 15                 | 15              | 31,5                | 22,5                 | 15                | 1500                              |
| C806X48    | M48        | 20          | 40           | 20           | 40            | 28                | 20                 | 20              | 42                  | 30                   | 20                | 2000                              |

NOT ALLOWED



⚠ THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING

## CARTEC

NEW

## C806X H.T.

ROTATING EYEBOLT WITH CLAMP - pull at 90° with minimum overall dimensions



## FORESEEN USE

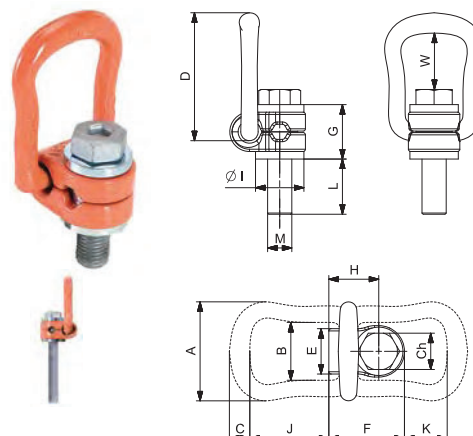
Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- The screw is protected with the GEOMET system which guarantees lasting protection in time
- Non standard threading and stem length upon request
- Ideal for fastening at 90°
- Captive screws
- The screws from M36 and above are manufactured to allow use with universal hexagonal keys.

Accordingly with the requirements of "DGUV - German institution for security" please use the device with the screw supplied, if replaced CARCANO SPA disclaims any and all responsibility or liability.

Available, on demand, not standard threading and stem length.

Available also with UNC thread.

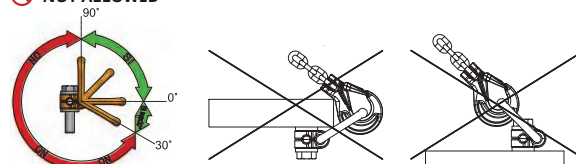


| Code         | Size<br>mm | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | I<br>mm | L<br>mm | W<br>mm | J<br>mm | K<br>mm | Ch<br>mm | Weight<br>Kg | W.L.L.<br>t |
|--------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------------|-------------|
| C806XHT08    | M8         | 57      | 34      | 10      | 78      | 24      | 41      | 30      | 26,5    | 25      | 15      | 43      | 51      | 35      | 13       | 0,27         | 0,5         |
| C806XHT10    | M10        | 57      | 34      | 10      | 78      | 24      | 41      | 30      | 26,5    | 25      | 15      | 42      | 51      | 35      | 17       | 0,29         | 0,9         |
| C806XHT12    | M12        | 66      | 38      | 13,5    | 85      | 30      | 50      | 36      | 33      | 32      | 23      | 40      | 52      | 28      | 19       | 0,5          | 1,35        |
| C806XHT16    | M16        | 66      | 38      | 13,5    | 85      | 30      | 50      | 36      | 33      | 32      | 24      | 38      | 52      | 28      | 24       | 0,51         | 2           |
| C806XHT20    | M20        | 87      | 55      | 16      | 111     | 48      | 68      | 44      | 42,5    | 45      | 31      | 54      | 71      | 36      | 30       | 1,25         | 3,5         |
| C806XHT24    | M24        | 87      | 55      | 16      | 111     | 48      | 68      | 44      | 42,5    | 45      | 37      | 51      | 71      | 36      | 36       | 1,3          | 4,5         |
| C806XHT27    | M27        | 109     | 66      | 22,5    | 145     | 54      | 91      | 63      | 58,5    | 60      | 37      | 64      | 86      | 47      | 46       | 3,15         | 4           |
| C806XHT30    | M30        | 109     | 66      | 22,5    | 145     | 54      | 91      | 65      | 58,5    | 60      | 45      | 62      | 86      | 47      | 46       | 3,25         | 6,7         |
| C806XHT36T07 | M36        | 109     | 66      | 22,5    | 145     | 54      | 91      | 55      | 58,5    | 60      | 50      | 60      | 86      | 43      | 55       | 3,3          | 7           |
| C806XHT36    | M36        | 136     | 78      | 28      | 190     | 62      | 108     | 81      | 72,5    | 70      | 59      | 88      | 115     | 74      | 55       | 5,9          | 8           |
| C806XHT42T10 | M42        | 136     | 78      | 28      | 190     | 62      | 108     | 75      | 72,5    | 70      | 75      | 86      | 115     | 70      | 65       | 6,5          | 10          |
| C806XHT42    | M42        | 169     | 97      | 36      | 242     | 68      | 131     | 89      | 87,5    | 85      | 63      | 121     | 151     | 97      | 65       | 11,2         | 15          |
| C806XHT48    | M48        | 169     | 97      | 36      | 242     | 68      | 131     | 89      | 87,5    | 95      | 71      | 117     | 151     | 93      | 75       | 11,6         | 20          |

## Working load limit W.L.L. (t)

| Code         | Size<br>mm | Size<br>UNC | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------------|------------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|              |            |             |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C806XHT08    | M8         | 5/16" - 18  | 0,5         | 1            | 0,5          | 1             | 0,7               | 0,5                | 0,5             | 1,05                | 0,75                 | 0,5               | 30                                |
| C806XHT10    | M10        | 3/8" - 16   | 0,9         | 1,8          | 0,9          | 1,8           | 1,3               | 0,9                | 0,9             | 1,9                 | 1,35                 | 0,9               | 60                                |
| C806XHT12    | M12        | 1/2" - 13   | 1,35        | 2,7          | 1,35         | 2,7           | 1,9               | 1,35               | 1,35            | 2,84                | 2                    | 1,35              | 100                               |
| C806XHT16    | M16        | 5/8" - 11   | 2           | 4            | 2            | 4             | 2,8               | 2                  | 2               | 4,25                | 3                    | 2                 | 150                               |
| C806XHT20    | M20        | 3/4" - 10   | 3,5         | 7            | 3,5          | 7             | 4,9               | 3,5                | 3,5             | 7,35                | 5,25                 | 3,5               | 250                               |
| C806XHT24    | M24        | 7/8" - 9    | 3,5         | 7            | 3,5          | 7             | 4,9               | 3,5                | 3,5             | 7,35                | 5,25                 | 3,5               | 250                               |
| C806XHT27    | M27        | 1" - 8      | 4,5         | 9            | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,5                 | 6,75                 | 4,5               | 400                               |
| C806XHT30    | M30        | 1 1/4" - 7  | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 6,4                 | 6                    | 4                 | 400                               |
| C806XHT36T07 | M36        | 1 1/4" - 7  | 6,7         | 13,4         | 6,7          | 13,4          | 9,5               | 6,7                | 6,7             | 14,1                | 10                   | 6,7               | 500                               |
| C806XHT36    | M36        | 1 1/2" - 6  | 7           | 14           | 7            | 14            | 9,8               | 7                  | 7               | 14,7                | 10,4                 | 7                 | 700                               |
| C806XHT36    | M36        | 1 1/2" - 6  | 8           | 16           | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 | 800                               |
| C806XHT42T10 | M42        |             | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                | 925                               |
| C806XHT42    | M42        |             | 15          | 30           | 15           | 30            | 21                | 15                 | 15              | 31,5                | 22,5                 | 15                | 1500                              |
| C806XHT48    | M48        | 2" - 4,5    | 20          | 40           | 20           | 40            | 28                | 20                 | 20              | 42                  | 30                   | 20                | 2000                              |

NOT ALLOWED



THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING

# CARTEC

## C807X

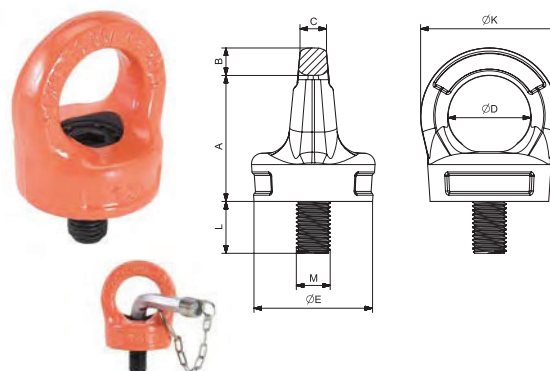
**ROTATING EYEBOLT H.Q.** - can be oriented for every loading direction



### FORESEEN USE

**Anchorage point for load lifting.**

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Ideal for fastening at 90°
- Captive screws
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity



### KEY KIT 807 - Special key for sizes from M8 to M30

Code Accessory of use

|           |        |
|-----------|--------|
| CK807X08  | 807M08 |
| CK807X10  | 807M10 |
| CK807X12  | 807M12 |
| CK807X16  | 807M16 |
| CK807X20  | 807M20 |
| CK807X24  | 807M24 |
| CK807X30  | 807M30 |
| CK807X36* | 807M36 |
| CK807X42* | 807M42 |
| CK807X48* | 807M48 |



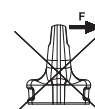
\* Commercial key without ring and chain

| Code without key | Code with key | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>Ø mm | E<br>Ø mm | K<br>Ø mm | L<br>mm | Weight<br>Kg |
|------------------|---------------|------------|-------------|---------|---------|---------|-----------|-----------|-----------|---------|--------------|
| C807X08          | C807XC08      | M8         | 0,3         | 44,5    | 8       | 10      | 29        | 32        | 45        | 12      | 0,3          |
| C807X10          | C807XC10      | M10        | 0,4         | 44,5    | 8       | 10      | 29        | 32        | 45        | 16      | 0,3          |
| C807X12          | C807XC12      | M12        | 0,75        | 53,5    | 11      | 11      | 34        | 44        | 56        | 18      | 0,46         |
| C807X16          | C807XC16      | M16        | 1,5         | 56,5    | 13      | 14,5    | 39        | 56        | 65        | 24      | 0,9          |
| C807X20          | C807XC20      | M20        | 2,3         | 67      | 14      | 17      | 42        | 58        | 70        | 30      | 1,15         |
| C807X24          | C807XC24      | M24        | 3,2         | 80      | 18      | 19      | 52        | 73        | 88        | 36      | 2,05         |
| C807X30          | C807XC30      | M30        | 4,5         | 101     | 22      | 27      | 62        | 80        | 106       | 43      | 3,12         |
| C807X36          | C807XC36      | M36        | 7           | 125     | 37      | 38      | 80        | 95        | 154       | 54      | 6,7          |
| C807X42          | C807XC42      | M42        | 9           | 148     | 40      | 41      | 90        | 105       | 170       | 64      | 9,5          |
| C807X48          | C807XC48      | M48        | 12          | 165     | 45      | 47      | 95        | 120       | 185       | 72      | 13,5         |

### Working load limit W.L.L. (t)

| Code without key | Code with key | Size<br>mm | 0°<br>1 leg | 0°<br>2 leg | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|------------------|---------------|------------|-------------|-------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|                  |               |            |             |             |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C807X08          | C807XC08      | M8         | 1           | 2           | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 8                                 |
| C807X10          | C807XC10      | M10        | 1           | 2           | 0,4          | 0,8           | 0,56              | 0,4                | 0,4             | 0,84                | 0,6                  | 0,4               | 16                                |
| C807X12          | C807XC12      | M12        | 2           | 4           | 0,75         | 1,5           | 1                 | 0,75               | 0,75            | 1,6                 | 1,12                 | 0,75              | 28                                |
| C807X16          | C807XC16      | M16        | 4           | 8           | 1,5          | 3             | 2                 | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 70                                |
| C807X20          | C807XC20      | M20        | 6           | 12          | 2,3          | 4,6           | 3,22              | 2,3                | 2,3             | 4,83                | 3,45                 | 2,3               | 135                               |
| C807X24          | C807XC24      | M24        | 8           | 16          | 3,2          | 6,4           | 4,48              | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 230                               |
| C807X30          | C807XC30      | M30        | 12          | 24          | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,4                 | 6,7                  | 4,5               | 465                               |
| C807X36          | C807XC36      | M36        | 16          | 32          | 7            | 14            | 9,8               | 7                  | 7               | 14,7                | 10,5                 | 7                 | 814                               |
| C807X42          | C807XC42      | M42        | 24          | 45          | 9            | 18            | 12,6              | 9                  | 9               | 18,9                | 13,5                 | 9                 | 1304                              |
| C807X48          | C807XC48      | M48        | 32          | 64          | 12           | 24            | 16,8              | 12                 | 12              | 25,2                | 18                   | 12                | 1981                              |

THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING



**CONFIGURATION  
NOT RECOMMENDED**

# CARTEC

## C807X H.T

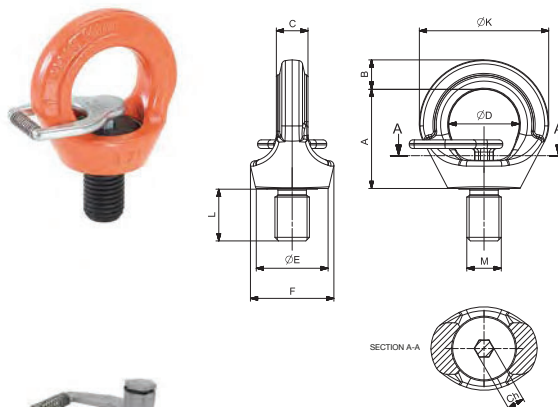
ROTATING EYEBOLT H.Q. - can be oriented at 360°



### FORESEEN USE

Anchorage point for load lifting.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Ideal for fastening at 90°
- Captive screws
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity



### KEY KIT 807 H.T.

Code Accessory of use

|                |               |
|----------------|---------------|
| CK807XHT060810 | 807XHTM060810 |
| CK807XHT12     | 807XHTM12     |
| CK807XHT16     | 807XHTM16     |
| CK807XHT20     | 807XHTM20     |
| CK807XHT24     | 807XHTM24     |
| CK807XHT30     | 807XHTM30     |
| CK807XHT36     | 807XHTM36     |
| CK807XHT42     | 807XHTM42     |
| CK807XHT48     | 807XHTM48     |

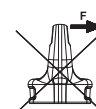


| Code without key | Code with key | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>Ø mm | E<br>Ø mm | F<br>mm | K<br>Ø mm | L<br>mm | CH<br>mm | Weight<br>Kg |
|------------------|---------------|------------|-------------|---------|---------|---------|-----------|-----------|---------|-----------|---------|----------|--------------|
| C807XHT06        | C807XCHT06    | M6         | 0,1         | 27      | 9,5     | 7       | 20        | 23        | 28      | 37        | 9       | 6        | 0,08         |
| C807XHT08        | C807XCHT08    | M8         | 0,3         | 35      | 11      | 9       | 25        | 25,5      | 30      | 46        | 12      | 6        | 0,12         |
| C807XHT10        | C807XCHT10    | M10        | 0,4         | 33,7    | 10      | 9,8     | 25        | 25,5      | 30      | 46        | 15      | 6        | 0,12         |
| C807XHT12        | C807XCHT12    | M12        | 0,75        | 41,5    | 12,5    | 11,5    | 30        | 30,6      | 36,5    | 55,5      | 18      | 8        | 0,2          |
| C807XHT14        | C807XCHT14    | M14        | 0,75        | 41,5    | 12,5    | 11,5    | 30        | 30,6      | 36,5    | 55,5      | 18      | 8        | 0,2          |
| C807XHT16        | C807XCHT16    | M16        | 1,5         | 49,5    | 14,5    | 15,7    | 35        | 36,5      | 42      | 64,5      | 24      | 10       | 0,35         |
| C807XHT18        | C807XCHT18    | M18        | 1,5         | 49,5    | 14,5    | 15,7    | 35        | 36,5      | 42      | 64,5      | 24      | 10       | 0,35         |
| C807XHT20        | C807XCHT20    | M20        | 2,3         | 58      | 16      | 18      | 40        | 42        | 52,5    | 74,5      | 30      | 12       | 0,6          |
| C807XHT22        | C807XCHT22    | M22        | 2,3         | 58      | 16      | 18      | 40        | 42        | 52,5    | 74,5      | 30      | 12       | 0,6          |
| C807XHT24        | C807XCHT24    | M24        | 3,2         | 69      | 20,5    | 22      | 49        | 50        | 61      | 90        | 36      | 12       | 1            |
| C807XHT27        | C807XCHT27    | M27        | 3,2         | 69      | 20,5    | 22      | 49        | 50        | 61      | 90        | 36      | 12       | 1            |
| C807XHT30        | C807XCHT30    | M30        | 4,5         | 86      | 25,5    | 28      | 60        | 66        | 75      | 111       | 45      | 17       | 2            |
| C807XHT33        | C807XCHT33    | M33        | 4,5         | 86      | 25,5    | 28      | 60        | 66        | 75      | 111       | 45      | 17       | 2            |
| C807XHT36        | C807XCHT36    | M36        | 7           | 105     | 32      | 30      | 74        | 77        | 96,5    | 135       | 55      | 22       | 3,4          |
| C807XHT42        | C807XCHT42    | M42        | 9           | 118     | 38      | 37      | 82        | 87        | 110     | 158       | 65      | 24       | 5,7          |
| C807XHT48        | C807XCHT48    | M48        | 12          | 137     | 43      | 38      | 95        | 102       | 124,5   | 180       | 72      | 27       | 8,5          |

### Working load limit W.L.L. (t)

| Code without key | Code with key | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|------------------|---------------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|                  |               |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C807XHT06        | C807XCHT06    | M6         | 0,5         | 1            | 0,1          | 0,2           | 0,14              | 0,1                | 0,1             | 0,21                | 0,15                 | 0,1               | 6                                 |
| C807XHT08        | C807XCHT08    | M8         | 1           | 2            | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 8                                 |
| C807XHT10        | C807XCHT10    | M10        | 1           | 2            | 0,4          | 0,8           | 0,56              | 0,4                | 0,4             | 0,84                | 0,6                  | 0,4               | 16                                |
| C807XHT12        | C807XCHT12    | M12        | 2           | 4            | 0,75         | 1,5           | 1                 | 0,75               | 0,75            | 1,6                 | 1,12                 | 0,75              | 25                                |
| C807XHT14        | C807XCHT14    | M14        | 2           | 4            | 0,75         | 1,5           | 1                 | 0,75               | 0,75            | 1,6                 | 1,12                 | 0,75              | 30                                |
| C807XHT16        | C807XCHT16    | M16        | 4           | 8            | 1,5          | 3             | 2                 | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 60                                |
| C807XHT18        | C807XCHT18    | M18        | 4           | 8            | 1,5          | 3             | 2                 | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 70                                |
| C807XHT20        | C807XCHT20    | M20        | 6           | 12           | 2,3          | 4,6           | 3,22              | 2,3                | 2,3             | 4,83                | 3,45                 | 2,3               | 110                               |
| C807XHT22        | C807XCHT22    | M22        | 6           | 12           | 2,3          | 4,6           | 3,22              | 2,3                | 2,3             | 4,83                | 3,45                 | 2,3               | 120                               |
| C807XHT24        | C807XCHT24    | M24        | 8           | 16           | 3,2          | 6,4           | 4,48              | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 195                               |
| C807XHT27        | C807XCHT27    | M27        | 8           | 16           | 3,2          | 6,4           | 4,48              | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 240                               |
| C807XHT30        | C807XCHT30    | M30        | 12          | 24           | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,4                 | 6,7                  | 4,5               | 320                               |
| C807XHT33        | C807XCHT33    | M33        | 12          | 24           | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,4                 | 6,7                  | 4,5               | 350                               |
| C807XHT36        | C807XCHT36    | M36        | 16          | 32           | 7            | 14            | 9,8               | 7                  | 7               | 14,7                | 10,5                 | 7                 | 585                               |
| C807XHT42        | C807XCHT42    | M42        | 24          | 45           | 9            | 18            | 12,6              | 9                  | 9               | 18,9                | 13,5                 | 9                 | 920                               |
| C807XHT48        | C807XCHT48    | M48        | 32          | 64           | 12           | 24            | 16,8              | 12                 | 12              | 25,2                | 18                   | 12                | 1590                              |

THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING



CONFIGURATION  
NOT RECOMMENDED



# CARTEC

## C810X

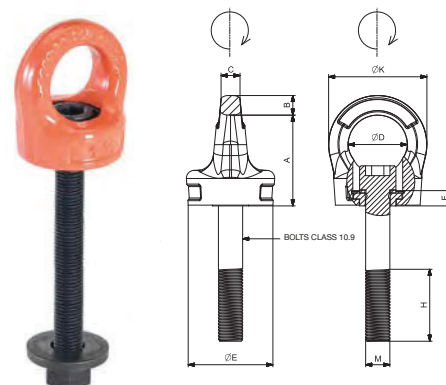
### ROTATING EYEBOLT H.Q.E. - variable screw length



#### FORESEEN USE

Anchorage point used to lift loads with through holes and/or threaded dead holes.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Cylinder head screw with hexagonal slot cl. 10.9 with variable length in compliance with directive UNI5931-DIN912
- We recommend the use of a washer DIN 6340 with appropriate dimensions to apply against the nut.
- On the axial pull there can be variation of  $\pm 5^\circ$  with a 10% decrease in capacity
- If the eyebolt is installed against the nut it has to be high and the through hole has to be on the part to be lifted with a diameter maximum with respect to the nominal diameter of the screw used
- When using a counter-nut, check that, once installed, both the base of the device and the counter nut are totally in contact with the surface of the part to be lifted.

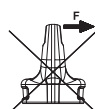


| Code    | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>Ø mm | E<br>Ø mm | K<br>Ø mm | F<br>mm |
|---------|------------|-------------|---------|---------|---------|-----------|-----------|-----------|---------|
| C810X08 | M8         | 0,3         | 44,5    | 8       | 10      | 29        | 32        | 45        | 10,5    |
| C810X10 | M10        | 0,4         | 44,5    | 8       | 10      | 29        | 32        | 45        | 6,5     |
| C810X12 | M12        | 0,75        | 53,5    | 11      | 11      | 34        | 44        | 56        | 8       |
| C810X16 | M16        | 1,5         | 59,5    | 13      | 14,5    | 39        | 56        | 65        | 8,5     |
| C810X20 | M20        | 2,3         | 67      | 14      | 17      | 42        | 58        | 70        | 10,5    |
| C810X24 | M24        | 3,2         | 80      | 18      | 19      | 52        | 73        | 88        | 13,5    |
| C810X30 | M30        | 4,5         | 101     | 22      | 27      | 62        | 80        | 106       | 17      |

#### Working load limit W.L.L. (t)

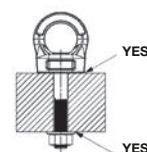
| Code    | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|---------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|         |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C810X08 | M8         | 1           | 2            | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 8                                 |
| C810X10 | M10        | 1           | 2            | 0,4          | 0,8           | 0,56              | 0,4                | 0,4             | 0,84                | 0,6                  | 0,4               | 16                                |
| C810X12 | M12        | 2           | 4            | 0,75         | 1,5           | 1                 | 0,75               | 0,75            | 1,6                 | 1,12                 | 0,75              | 28                                |
| C810X16 | M16        | 4           | 8            | 1,5          | 3             | 2                 | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 70                                |
| C810X20 | M20        | 6           | 12           | 2,3          | 4,6           | 3,22              | 2,3                | 2,3             | 4,83                | 3,45                 | 2,3               | 135                               |
| C810X24 | M24        | 8           | 16           | 3,2          | 6,4           | 4,48              | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 230                               |
| C810X30 | M30        | 12          | 24           | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,4                 | 6,7                  | 4,5               | 465                               |

- ⚠ THE EYEBOLT CANNOT IN ANY WAY BE USED WITH SCREWS OF AN INAPPROPRIATE LENGTH THAT PREVENT THE CORRECT FIXING OF THE DEVICE - SEE DIAGRAM FOR NON CORRECT USE
- ⚠ DO NOT USE A COUNTER-NUT INFERIOR TO 10
- ⚠ THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING

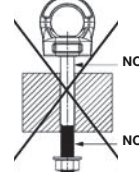


CONFIGURATION  
NOT RECOMMENDED

YES



NO



# CARTEC

## KIT OF KEY 810 - spanner kit to be ordered separately

| Code     | Accessory of use |
|----------|------------------|
| CK810X08 | 810XM08          |
| CK810X10 | 810XM10          |
| CK810X12 | 810XM12          |
| CK810X16 | 810XM16          |
| CK810X20 | 810XM20          |
| CK810X24 | 810XM24          |
| CK810X30 | 810XM30          |



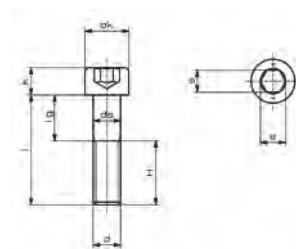
## WASHER KIT DIN6340 + HIGH NUT UNI 5587 CL.10 X 810 - to be ordered separately

| Code       | Accessory of use |
|------------|------------------|
| CK810XRD08 | 810XM08          |
| CK810XRD10 | 810XM10          |
| CK810XRD12 | 810XM12          |
| CK810XRD16 | 810XM16          |
| CK810XRD20 | 810XM20          |
| CK810XRD24 | 810XM24          |
| CK810XRD30 | 810XM30          |



## SCREW CYLINDRICAL HEAD CLASS 10.9 WITH HEXAGONAL HOLE FOR ART. 810

| d standard thread |      | M8    | M10   | M12   | M16   | M20   | M24   | M30   |
|-------------------|------|-------|-------|-------|-------|-------|-------|-------|
|                   |      | mm    | mm    | mm    | mm    | mm    | mm    | mm    |
| dk                | Max. | 13    | 16    | 18    | 24    | 30    | 36    | 45    |
|                   | Max. | 13,27 | 16,27 | 18,27 | 24,33 | 30,33 | 36,39 | 45,39 |
|                   | Min. | 12,73 | 15,73 | 18,73 | 23,67 | 29,67 | 35,61 | 44,61 |
| K                 | Max. | 8     | 10    | 12    | 16    | 20    | 24    | 30    |
|                   | Min. | 7,64  | 9,64  | 11,57 | 15,57 | 19,48 | 23,48 | 29,48 |
| ds                | Max. | 8     | 10    | 12    | 16    | 20    | 24    | 30    |
|                   | Min. | 7,78  | 9,78  | 11,73 | 15,73 | 19,67 | 23,67 | 29,67 |
| s nominal         |      | 6     | 8     | 10    | 11    | 17    | 19    | 22    |
| e                 | Min. | 6,68  | 9,15  | 11,43 | 16    | 19,44 | 21,73 | 25,15 |
| H                 |      | 28    | 32    | 36    | 44    | 52    | 60    | 72    |



### quotas bolts class 10.9

|       | M8     | M10    | M12    | M16    | M20    | M24    | M30    |
|-------|--------|--------|--------|--------|--------|--------|--------|
| mm    | mm     | mm     | mm     | mm     | mm     | mm     | mm     |
| l Nom | lg Max | lg Max | lg Max | lg Max | lg Max | lg Max | lg Max |
| 35    | 3,75   |        |        |        |        |        |        |
| 40    | 12     | 4,5    |        |        |        |        |        |
| 45    | 17     | 13     | 5,25   |        |        |        |        |
| 50    | 22     | 18     | 5,25   | 6      |        |        |        |
| 55    | 27     | 23     | 19     | 6      | 7,5    |        |        |
| 60    | 32     | 28     | 24     | 6      | 7,5    | 9      |        |
| 65    | 37     | 33     | 29     | 21     | 7,5    | 9      |        |
| 70    | 42     | 38     | 34     | 26     | 7,5    | 9      |        |
| 75    | 47     | 43     | 39     | 31     | 23     | 9      |        |
| 80    | 52     | 48     | 44     | 36     | 28     | 9      | 10,5   |
| 85    | 57     | 53     | 49     | 41     | 33     | 9      | 10,5   |
| 90    | 62     | 58     | 54     | 46     | 38     | 30     | 10,5   |
| 100   | 72     | 68     | 64     | 56     | 48     | 40     | 10,5   |
| 110   | 82     | 78     | 74     | 66     | 58     | 50     | 38     |
| 120   | 92     | 88     | 84     | 76     | 68     | 60     | 48     |
| 130   | 102    | 98     | 94     | 86     | 78     | 70     | 58     |
| 140   | 112    | 108    | 104    | 96     | 88     | 80     | 68     |
| 150   | 122    | 118    | 114    | 106    | 98     | 90     | 78     |
| 160   | 132    | 128    | 124    | 116    | 108    | 100    | 88     |
| 180   | 152    | 148    | 144    | 136    | 128    | 120    | 108    |
| 200   |        |        |        | 156    | 148    | 140    | 128    |
| 220   |        |        |        | 176    | 168    | 160    | 148    |
| 240   |        |        |        | 196    | 188    | 180    | 168    |

The dimensions situated in the grey block are to be considered totally threaded

To calculate the effective length of the device shank (value X), use the following formula:  $X = l - F$  where "l" is the nominal length of the screw and "F" is the bush thickness.

# CARTEC

## C810 FX

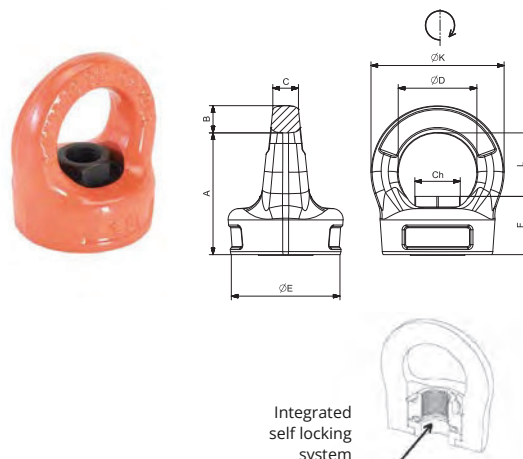
**ROTATING EYENUT H.Q.E. - fitted with integrated self locking system**



### FORESEEN USE

**Anchorage point for load lifting. Can be used with stud bolts and or threaded screws.**

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Captive nut
- Can be screwed on with a spanner
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity
- The threaded pivot must always be screwed on completely along the length of the nut

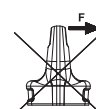


| Code     | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>Ø mm | E<br>Ø mm | K<br>Ø mm | F<br>mm | L<br>mm | Ch<br>mm | Weight<br>Kg |
|----------|------------|-------------|---------|---------|---------|-----------|-----------|-----------|---------|---------|----------|--------------|
| C810FX08 | M8         | 0,3         | 44,5    | 8       | 10      | 29        | 32        | 45        | 21,5    | 23      | 13       | 0,17         |
| C810FX10 | M10        | 0,4         | 44,5    | 8       | 10      | 29        | 32        | 45        | 21,5    | 23      | 14       | 0,2          |
| C810FX12 | M12        | 0,75        | 53,5    | 11      | 11      | 34        | 44        | 56        | 26,5    | 27      | 16       | 0,39         |
| C810FX16 | M16        | 1,5         | 59,5    | 13      | 14,5    | 39        | 56        | 65        | 30,5    | 29      | 21       | 0,69         |
| C810FX20 | M20        | 2,3         | 67      | 14      | 17      | 42        | 58        | 70        | 33      | 34      | 26       | 0,71         |
| C810FX24 | M24        | 3,2         | 80      | 18      | 19      | 52        | 73        | 88        | 40      | 40      | 30       | 1,7          |
| C810FX30 | M30        | 4,5         | 101     | 22      | 27      | 62        | 80        | 106       | 51      | 50      | 36       | 2,44         |

### Working load limit W.L.L. (t)

| Code     | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|----------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|          |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C810FX08 | M8         | 1           | 2            | 0,3          | 0,6           | 0,42              | 0,3                | 0,3             | 0,63                | 0,45                 | 0,3               | 8                                 |
| C810FX10 | M10        | 1           | 2            | 0,4          | 0,8           | 0,56              | 0,4                | 0,4             | 0,84                | 0,6                  | 0,4               | 16                                |
| C810FX12 | M12        | 2           | 4            | 0,75         | 1,5           | 1                 | 0,75               | 0,75            | 1,6                 | 1,12                 | 0,75              | 28                                |
| C810FX16 | M16        | 4           | 8            | 1,5          | 3             | 2                 | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 70                                |
| C810FX20 | M20        | 6           | 12           | 2,3          | 4,6           | 3,22              | 2,3                | 2,3             | 4,83                | 3,45                 | 2,3               | 135                               |
| C810FX24 | M24        | 8           | 16           | 3,2          | 6,4           | 4,48              | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 230                               |
| C810FX30 | M30        | 12          | 24           | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,4                 | 6,7                  | 4,5               | 465                               |

**⚠ DO NOT USE THREADED PIVOTS INFERIOR TO 10.9**  
**⚠ THE DEVICE IS NOT SUITABLE FOR ROTATION DURING LOADING**



**CONFIGURATION  
NOT RECOMMENDED**

# CARTEC

## C815X

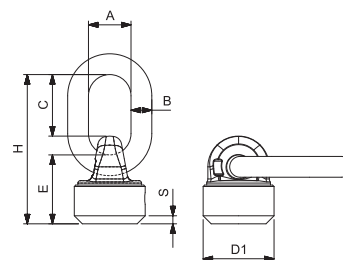
**ROTATING EYEBOLT WELD-ON TYPE WITH RING** - can be oriented during loading



### FORESEEN USE

Rotating eyebolt weld-on type for load lifting generally used to turn and overturn heavy loads.

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Can be oriented at 360° with self aligning tilting ring at 180°
- Assembled with spheres to make load orientation easier
- On the axial pull there can be variation of  $\pm 5^\circ$  with a 10% decrease in capacity



| Code     | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | H<br>mm | D1<br>mm | S x 45°<br>mm | Weight<br>Kg |
|----------|-------------|---------|---------|---------|---------|---------|----------|---------------|--------------|
| C815X025 | 2,5         | 34      | 16      | 58      | 61      | 131     | 52       | 5,5           | 1,05         |
| C815X040 | 4           | 40      | 18      | 72      | 67      | 152     | 58       | 7             | 1,44         |
| C815X067 | 6,7         | 45      | 22      | 65      | 73      | 158     | 75       | 8,5           | 2,7          |
| C815X010 | 10          | 50      | 23      | 92      | 86      | 201     | 85       | 10            | 3,95         |
| C815X017 | 17          | 70      | 32      | 120     | 105     | 255     | 110      | 12            | 8,5          |

### Working load limit W.L.L. (t)

| Code     | W.L.L.<br>t | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|----------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
|          |             |             |              |              |               |                   |                    |                 |                     |                      |                   |
| C815X025 | 2,5         | 5           | 10           | 2,5          | 5             | 3,55              | 2,5                | 2,5             | 5,3                 | 3,75                 | 2,5               |
| C815X040 | 4           | 8           | 16           | 4            | 8             | 5,6               | 4,0                | 4,0             | 8,5                 | 6,0                  | 4,0               |
| C815X067 | 6,7         | 12          | 24           | 6,7          | 13,4          | 9,5               | 6,7                | 6,7             | 14                  | 10                   | 6,7               |
| C815X010 | 10          | 15          | 30           | 10           | 20            | 14                | 10                 | 10              | 21,2                | 15                   | 10                |
| C815X017 | 17          | 25          | 50           | 17           | 34            | 23,5              | 17                 | 17              | 35                  | 25                   | 17                |

NOT SUITABLE FOR CONTINUOUS ROTATING MOVEMENT DURING LOADING



# CARTEC

## C816X

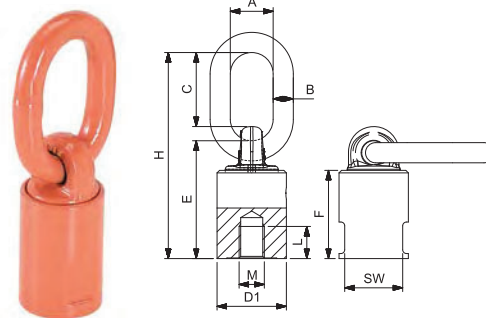
**ROTATING EYENUT WITH RING** - can be oriented during loading



### FORESEEN USE

Rotating female eyenut for load lifting generally used to turn and overturn heavy loads. The eyenut can be used with stud bolts and / or threaded screws.

- Coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS-OA 15-04 – EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Can be oriented at 360° with self aligning tilting ring at 180°
- Assembled with spheres to make load orientation easier
- On the axial pull there can be variation of +/-5° with a 10% decrease in capacity
- The threaded pivot must always be screwed on completely to stick the basis of the eyebolt with the basis of the object to be loaded.



| Code         | W.L.L.<br>t | MxL<br>mm | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | H<br>mm | SW<br>mm | D1<br>mm | Weight<br>Kg |
|--------------|-------------|-----------|---------|---------|---------|---------|---------|---------|----------|----------|--------------|
| C816X0051215 | 0,5         | M12x15    | 30      | 13      | 47      | 69      | 50      | 124     | 34       | 36,5     | 0,61         |
| C816X0101620 | 1           | M16x20    | 30      | 13      | 47      | 76      | 57      | 131     | 34       | 38       | 0,68         |
| C816X0172025 | 1,7         | M20x25    | 34      | 16      | 58      | 93      | 70      | 164     | 46       | 55       | 1,65         |
| C816X0212430 | 2,1         | M24x30    | 42      | 18      | 72      | 107     | 81      | 193     | 50       | 58       | 2,17         |
| C816X0323040 | 3,2         | M30x40    | 45      | 22      | 65      | 126     | 94      | 211     | 65       | 75       | 4,29         |
| C816X0503645 | 5           | M36x45    | 50      | 23      | 92      | 145     | 109,5   | 260     | 75       | 84       | 6,22         |

### Working load limit W.L.L. (t)

| Code         | Size<br>mm   | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------------|--------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|              |              |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C816X0051215 | 0,5 t-M12x15 | 1,4         | 2,8          | 0,5          | 1             | 0,7               | 0,5                | 0,5             | 1                   | 0,75                 | 0,5               | 15÷40                             |
| C816X0101620 | 1 t-M16x20   | 2,8         | 5,6          | 1            | 2             | 1,4               | 1                  | 1               | 2,1                 | 1,5                  | 1                 | 45÷130                            |
| C816X0172025 | 1,7 t-M20x25 | 5           | 10           | 1,7          | 3,4           | 2,4               | 1,7                | 1,7             | 3,6                 | 2,5                  | 1,7               | 100÷170                           |
| C816X0212430 | 2,1 t-M24x30 | 8           | 16           | 2,1          | 4,2           | 2,8               | 2,1                | 2,1             | 4,25                | 3,15                 | 2,1               | 100÷170                           |
| C816X0323040 | 3,2 t-M30x40 | 12          | 24           | 3,2          | 6,4           | 4,25              | 3,2                | 3,2             | 6,7                 | 4,75                 | 3,2               | 230÷400                           |
| C816X0503645 | 5 t-M36x45   | 15          | 30           | 5            | 10            | 6,7               | 5                  | 5               | 10                  | 7,5                  | 5                 | 270÷600                           |

NOT SUITABLE FOR CONTINUOUS ROTATING MOVEMENT DURING LOADING

# CARTEC

## C817X

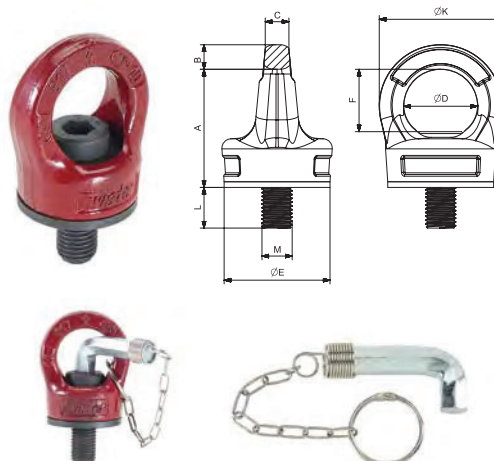
**EYEBOLT TWISTER WITH BEARING** - rotation allowed during continuous loading



### FORESEEN USE

**Fastening points for lifting loads suitable to continuous rotation during loading with axial pull.**

- Safety coefficient 4 in all loading directions
- Designed, tested and certified in compliance with the technical directives GS OA 1504 - EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC
- Can be oriented at 360°
- Tested at 100 % magnaflux
- Tested at 20.000 fatigue cycles
- Ideal for rotation during loading
- Captive screws
- The device is suitable for rotation during loading only with axial pull; the eyebolt can be used in every other pull direction without rotation (for loads see reference table)



### KIT OF KEY 817

Code Accessory of use

|          |         |
|----------|---------|
| CK817X12 | 817XM12 |
| CK817X16 | 817XM16 |
| CK817X20 | 817XM20 |
| CK817X24 | 817XM24 |
| CK817X30 | 817XM30 |

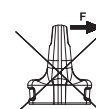
| Code without key | Code with key | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>Ø mm | E<br>Ø mm | F<br>mm | K<br>Ø mm | L<br>mm | Weight<br>Kg |
|------------------|---------------|------------|-------------|---------|---------|---------|-----------|-----------|---------|-----------|---------|--------------|
| C817X12          | C817XC12      | M12        | 0,75        | 53,5    | 11      | 11      | 34        | 44        | 32      | 56        | 18      | 0,46         |
| C817X16          | C817XC16      | M16        | 1,5         | 56,5    | 13      | 14,5    | 39        | 56        | 33      | 65        | 24      | 0,9          |
| C817X20          | C817XC20      | M20        | 2,3         | 67      | 14      | 17      | 42        | 58        | 40      | 70        | 30      | 1,15         |
| C817X24          | C817XC24      | M24        | 3,2         | 80      | 18      | 19      | 52        | 73        | 44,5    | 88        | 38,5    | 2,05         |
| C817X30          | C817XC30      | M30        | 4,5         | 101     | 22      | 27      | 62        | 80        | 53      | 106       | 44      | 4            |

### Working load limit W.L.L. (t)

| Code without key | Code with key | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|------------------|---------------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|                  |               |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C817X12          | C817XC12      | M12        | 0,75*       | 1,5          | 0,75         | 1,5           | 1                 | 0,75               | 0,75            | 1,6                 | 1,12                 | 0,75              | 28                                |
| C817X16          | C817XC16      | M16        | 1,5*        | 3            | 1,5          | 3             | 2                 | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               | 70                                |
| C817X20          | C817XC20      | M20        | 2,3*        | 4,6          | 2,3          | 4,6           | 3,22              | 2,3                | 2,3             | 4,83                | 3,45                 | 2,3               | 135                               |
| C817X24          | C817XC24      | M24        | 3,2*        | 6,4          | 3,2          | 6,4           | 4,48              | 3,2                | 3,2             | 6,7                 | 4,8                  | 3,2               | 230                               |
| C817X30          | C817XC30      | M30        | 4,5*        | 9            | 4,5          | 9             | 6,3               | 4,5                | 4,5             | 9,4                 | 6,7                  | 4,5               | 465                               |

\* Axial pull with rotation during continuous loading

DO NOT EXCEED DURING ROTATION PHASE LOADS 50 RPM



**CONFIGURATION  
NOT RECOMMENDED**

# CARTEC

## C820X

**LIFTING RING WELD-ON TYPE DOUBLE BASE** - positioning made easier for lifting



### FORESEEN USE

Ring to be welded for load lifting.

- Safety coefficient 4
- The entire perimeter of the base must be welded except for the water discharge area
- For asymmetric loads remember that the capacity has to be reduced as shown in the reference table
- The bracket must always be aligned to the polling direction (tolerance allowed +/- 10°)
- The anchorage clamp can be used safely up to maximum of 20.000 lifts with a full load
- Ring tested 100 % magnaflux
- Made in high resistant steel
- Painted with epoxy paint
- Tested at 20.000 fatigue cycles
- In particular applications the capacity which has to be used must be determined by the pulling inclination angle following the this formula:

$$L_c = \frac{C}{b \cdot \cos \delta}$$

Lc = capacity needed per single bracket

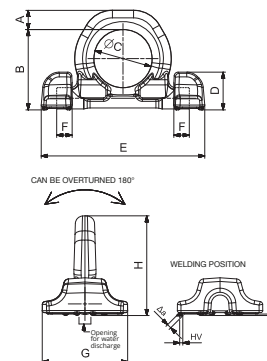
C = load to lift

b = number of sling arms

δ = pulling inclination angle

For the correct installation of the device, place the welding bases by the reference notches marked on the bracket.

Ring to be ordered separately without base

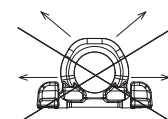


| Code     | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | Welding thickness<br>HV + Δa | Weight<br>Kg |
|----------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------------------|--------------|
| C820X04  | 4           | 14      | 65      | 48      | 29      | 134     | 14      | 60      | 79      | HV 4+3                       | 0,73         |
| C820X067 | 6,7         | 20      | 83      | 60      | 39      | 169     | 16      | 88      | 103     | HV 5,5+3                     | 1,8          |
| C820X10  | 10          | 22      | 96      | 65      | 48      | 196     | 19,5    | 98      | 118     | HV 6+4                       | 3            |
| C820X16  | 16          | 31      | 126     | 90      | 55      | 264     | 29      | 127     | 155     | HV 8,5 +4                    | 5,75         |
| C820X30  | 30          | 42      | 175     | 130     | 79      | 371     | 45      | 157     | 217     | HV 15+4                      | 16           |

### Working load limit W.L.L. (t)

| Code     | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|----------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
| C820X04  | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 |
| C820X067 | 6,7         | 13,4         | 6,7          | 13,4          | 9,38              | 6,7                | 6,7             | 14,1                | 10,1                 | 6,7               |
| C820X10  | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                |
| C820X16  | 16          | 32           | 16           | 32            | 22,4              | 16                 | 16              | 33,6                | 24                   | 16                |
| C820X30  | 30          | 60           | 30           | 60            | 42                | 30                 | 30              | 63                  | 45                   | 30                |

**NOT ALLOWED**



**DO NOT USE TO LIFT PEOPLE**

CARTEC

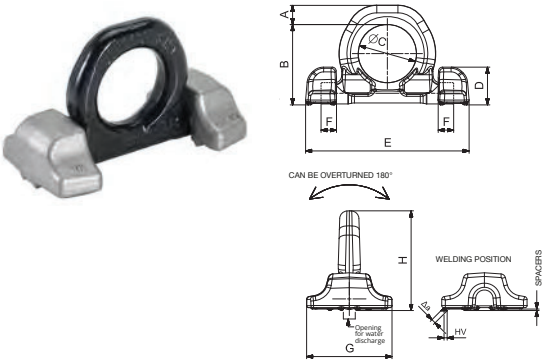
C821X

LASHING RING WELD-ON TYPE DOUBLE BASE - positioning made easier for lashing

FORESEEN USE  
Ring to be welded for load anchorage.

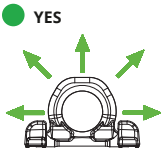
- Safety coefficient 2
- The entire perimeter of the base must be welded except for the water discharge area
- Ring tested 100 % magnaflux
- Directive references to consider to choose and position bracket 821:  
EN 12640 – EN 75410 – EN 12195/1

For the correct installation of the device, place the welding bases by the reference notches marked on the bracket.



| Code     | Capacity LC<br>daN | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | Welding thickness<br>HV + Δa | Weight<br>Kg |
|----------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------------------|--------------|
| C821X08  | 8.000              | 14      | 65      | 48      | 29      | 134     | 114     | 60      | 79      | HV 4+3                       | 0,73         |
| C821X134 | 13.400             | 20      | 83      | 60      | 39      | 169     | 16      | 88      | 103     | HV 5,5+3                     | 1,8          |
| C821X20  | 20.000             | 22      | 96      | 65      | 48      | 196     | 19,5    | 98      | 118     | HV 6+4                       | 3            |
| C821X32  | 32.000             | 31      | 126     | 90      | 55      | 264     | 29      | 127     | 155     | HV 8,5+4                     | 5,75         |

 DO NOT USE TO LIFT LOADS AND OR PEOPLE



# CARTEC

## C830X

**LIFTING RING WELD-ON TYPE SINGLE BASE** - minimum overall dimensions for lifting



### FORESEEN USE

Ring to be welded for load lifting.

- Safety coefficient 4
- For asymmetric loads remember that the capacity has to be reduced as shown in the reference table
- The bracket must always be aligned to the polling direction (tolerance allowed +/- 10°)
- The anchorage clamp can be used safely up to maximum of 20.000 lifts with a full load
- Ring tested 100 % magnaflux
- Made in high resistant steel
- Painted with epoxy paint
- Tested at 20.000 fatigue cycles
- In particular applications the capacity which has to be used must be determined by the pulling inclination angle following the this formula:

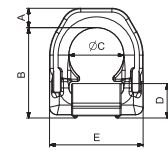
$$L_c = \frac{C}{b \cdot \cos \delta}$$

Lc = capacity needed per single bracket

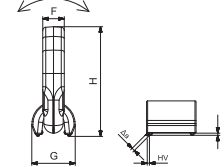
C = load to lift

b = number of sling arms

δ = pulling inclination angle



CAN BE OVERTURNED 180°



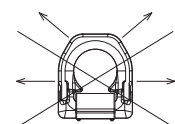
| Code without spring | Code with spring | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | Welding thickness<br>HV + Δa | Weight<br>Kg |
|---------------------|------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------------------|--------------|
| C830X015            | C830X015M        | 1,5         | 14      | 65      | 38      | 25      | 66      | 16      | 31      | 79      | HV 5+3                       | 0,39         |
| C830X025            | C830X025M        | 2,5         | 16      | 75      | 45      | 27      | 77      | 18      | 34,5    | 91      | HV 7+3                       | 0,59         |
| C830X040            | C830X040M        | 4           | 18      | 84      | 51      | 32      | 87      | 20      | 40      | 102     | HV 8+3                       | 0,87         |
| C830X067            | C830X067M        | 6,7         | 24      | 117     | 67,3    | 44      | 115     | 26      | 58,5    | 141     | HV 12+4                      | 2,23         |
| C830X010            | C830X010M        | 10          | 31      | 126     | 67      | 55      | 129     | 28,5    | 70,5    | 157     | HV 16+4                      | 3,33         |
| C830X016            | C830X016M        | 16          | 45      | 174     | 100     | 69      | 190     | 42      | 87      | 219     | HV 25+6                      | 9,28         |

### Working load limit W.L.L. (t)

| Code without spring | Code with spring | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|---------------------|------------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
|                     |                  |             |              |              |               |                   |                    |                 |                     |                      |                   |
| C830X015            | C830X015M        | 1,5         | 3            | 1,5          | 3             | 2,1               | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               |
| C830X025            | C830X025M        | 2,5         | 5            | 2,5          | 5             | 3,5               | 2,5                | 2,5             | 5,25                | 3,75                 | 2,5               |
| C830X040            | C830X040M        | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 |
| C830X067            | C830X067M        | 6,7         | 13,4         | 6,7          | 13,4          | 9,38              | 6,7                | 6,7             | 14,1                | 10,1                 | 6,7               |
| C830X010            | C830X010M        | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                |
| C830X016            | C830X016M        | 16          | 32           | 16           | 32            | 22,4              | 16                 | 16              | 33,6                | 24                   | 16                |



**NOT ALLOWED**



**⚠ DO NOT USE TO LIFT PEOPLE**



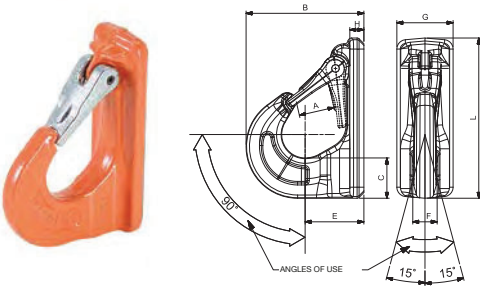
CARTEC

C832X  
WELD-ON HOOK



FORESEEN USE  
Weld on hook.

- Safety factor 4
- For asymmetric loads remember that the capacity has to be reduced as shown in the reference table
- The hook must always be aligned to the pull direction
- The hook can be used safely up to maximum 20.000 liftings with a full load
- Made in high tensile steel
- Painted with epoxy paint
- 100% magnaflux tested
- Tested at 20.000 fatigue cycles
- Designed, tested and certified in compliance with the technical norms GS-OA 15-04 – EN 1677
- Suitable for safe lifting in compliance with the machinery directive 2006/42/EC



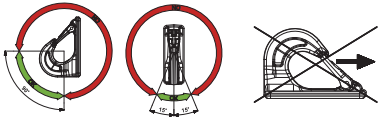
| Code     | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | L<br>mm | Weight<br>Kg |
|----------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
| C832X015 | 1,5         | 25      | 79      | 28      | 40      | 15      | 40      | 10      | 117     | 0,7          |
| C832X025 | 2,5         | 30      | 101     | 35      | 47      | 21      | 50      | 10      | 147     | 1,4          |
| C832X040 | 4           | 37      | 126     | 43      | 63      | 26      | 60      | 15      | 171     | 2,7          |
| C832X067 | 6,7         | 48      | 158     | 54      | 71      | 33      | 70      | 15      | 208     | 4,8          |

Working load limit W.L.L. (t)

| Code     | W.L.L.<br>t | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|----------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
| C832X015 | 1,5         | 1,5         | 3            | 1,5          | 3             | 2,1               | 1,5                | 1,5             | 3,15                | 2,25                 | 1,5               |
| C832X025 | 2,5         | 2,5         | 5            | 2,5          | 5             | 3,5               | 2,5                | 2,5             | 5,25                | 3,75                 | 2,5               |
| C832X040 | 4           | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6,0                  | 4                 |
| C832X067 | 6,7         | 6,7         | 13,4         | 6,7          | 13,4          | 9,4               | 6,7                | 6,7             | 14                  | 10                   | 6,7               |

NOT ALLOWED

- NOT SUITABLE FOR CONTINUOUS ROTATING MOVEMENT DURING LOADING
- DO NOT USE TO LIFT PEOPLE



# CARTEC

NEW

## C838X

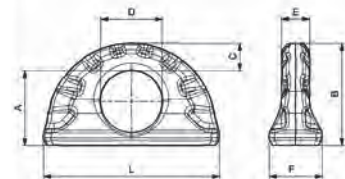
### RING WELD-ON TYPE



#### FORESEEN USE

Weld-on lifting point for lifting loads or for welding on load-lifting equipment.

- Safety coefficient 4
- The weld-on point can be used in complete safety up to maximum of 20,000 lifts at full load
- In the event of high-risk lifting operations, conditions of safety for those persons exposed to risks must be guaranteed
- Failure to abide by these instructions could cause property damage or personal injury
- Documentation drawn up in compliance with the provisions of point 1.7.4.2 of the 2006/42/EC
- Welding must be carried out by qualified personnel in compliance with the provisions of standard EN ISO 9606-1
- The weld-on point is made of 23MnNiCrMo5-2 tempered steel according to the DIN17115 standard



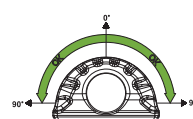
| Code     | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | L<br>mm | W.L.L.<br>t | Weight<br>Kg |
|----------|---------|---------|---------|---------|---------|---------|---------|-------------|--------------|
| C838X008 | 38      | 50      | 12      | 32      | 12      | 22      | 70      | 0,8         | 0,22         |
| C838X016 | 42,5    | 58      | 15,5    | 35      | 13      | 30      | 100     | 1,6         | 0,52         |
| C838X032 | 60,5    | 81,5    | 21      | 50      | 23      | 41      | 137     | 3,2         | 1,36         |
| C838X050 | 72,5    | 100,5   | 28      | 60      | 27      | 51      | 172     | 5           | 2,58         |
| C838X100 | 96,5    | 131,5   | 35      | 80      | 38      | 70      | 228     | 10          | 6,1          |

#### Working load limit W.L.L. (t) W.L.L. POSITION OF USE 1/(W.L.L.) POSITION OF USE 2

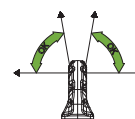
| Code     | W.L.L.<br>t | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|----------|-------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
|          |             |             |              |              |               |                   |                    |                 |                     |                      |                   |
| C838X008 | 0,8         | 2           | 4            | 0,8 (2)      | 1,6 (4)       | 1,12 (2,8)        | 0,8 (2)            | 0,8 (2)         | 1,6 (4,25)          | 1,18 (3)             | 0,8 (2)           |
| C838X016 | 1,6         | 4           | 8            | 1,6 (4)      | 3,2 (8)       | 2,2 (5,6)         | 1,6 (4)            | 1,6 (4)         | 3,4 (8,4)           | 2,4 (6)              | 1,6 (4)           |
| C838X032 | 3,2         | 9           | 18           | 3,2 (9)      | 6,4 (18)      | 4,5 (12,6)        | 3,2 (9)            | 3,2 (9)         | 6,7 (18,9)          | 4,8 (13,5)           | 3,2 (9)           |
| C838X050 | 5           | 12          | 24           | 5 (12)       | 10 (24)       | 7 (16,8)          | 5 (12)             | 5 (12)          | 10,5 (25,2)         | 7,5 (18)             | 5 (12)            |
| C838X100 | 10          | 20          | 40           | 10 (20)      | 20 (40)       | 14 (28)           | 10 (20)            | 10 (20)         | 21,2 (42)           | 15 (30)              | 10 (20)           |

● YES

POSITION OF USE 1



POSITION OF USE 2



DO NOT USE TO LIFT PEOPLE

CARTEC

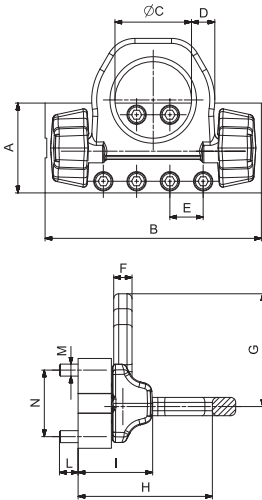
C825X

ANCHORAGE CLAMP WITH SCREW-ON PLATE - article on demand



FORESEEN USE  
Anchorage clamp with screw on plate.

- Safety coefficient 4
- Screw included in the package
- Hex head screw burnished black cl 10.9 in compliance UNI5931/DIN912
- The anchorage bracket may be used in total safety with a maximum of 20.000 lifting full loads
- Suitable for lifting in safety conditions in compliance to the machine directive 2006/42/EC
- Painted with epoxy
- Tested to 20.000 fatigue cycles



| Code    | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | I<br>mm | L<br>mm | M<br>mm | N<br>mm | Weight<br>Kg |
|---------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
| C825X30 | 30          | 180     | 400     | 130     | 42      | 75      | 41      | 194     | 255     | 159     | 80      | 30      | 120     | 61           |
| C825X50 | 50          | 270     | 650     | 230     | 70      | 100     | 55      | 339     | 407     | 224     | 100     | 36      | 200     | 202          |

Working load limit W.L.L. (t)

| Code    | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|---------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
|         |             |              |              |               |                   |                    |                 |                     |                      |                   |
| C825X30 | 30          | 60           | 30           | 60            | 42                | 30                 | 30              | 63                  | 45                   | 30                |
| C825X50 | 50          | 100          | 50           | 100           | 70                | 50                 | 50              | 105                 | 75                   | 50                |

- DO NOT STAND DURING USE IN DANGEROUS AREAS
- DO NOT USE TO LIFT PEOPLE

# CARTEC

## C835X

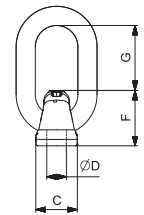
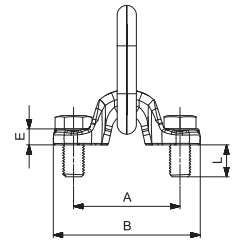
**ANCHORAGE BRACKET WITH FIXING SCREWS** - anchorage guaranteed without welding



### FORESEEN USE

**Anchorage bracket with fixing screws used for lifting loads.**

- Safety coefficient 4
- Ring for orientation at 120 °
- Screw included in the package
- From M20 to M30 screw burnished black cl 10.9 in compliance UNI5739 / DIN933
- From M36 to M48 screw burnished black cl 10.9 in compliance UNI5931 / DIN912
- The anchorage bracket may be used in total safety with a maximum of 20.000 lifting full loads
- Suitable for lifting in safety conditions in compliance to the machine directive 2006/42/EC
- Screw, bracket and ring tested at 100% magnaflux
- Realized with high resistance steel
- Painted with epoxy
- Tested to 20.000 fatigue cycles

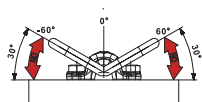


| Code     | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | ØD<br>mm | E<br>mm | F<br>mm | G<br>mm | L<br>mm | Ring size<br>mm | Key size<br>mm     | Weight<br>Kg |
|----------|------------|-------------|---------|---------|---------|----------|---------|---------|---------|---------|-----------------|--------------------|--------------|
| C835X04  | M20        | 4           | 100     | 138     | 39      | 21,5     | 15      | 52      | 61      | 35      | 18x85x40        | 30                 | 1,2          |
| C835X067 | M24        | 6,7         | 120     | 165,5   | 48      | 25,5     | 19      | 63      | 87      | 41      | 22x115x50       | 36                 | 2,5          |
| C835X10  | M30        | 10          | 160     | 216     | 62      | 31,5     | 25      | 78      | 106     | 45      | 26x140x65       | 46                 | 7,1          |
| C835X16  | M36        | 16          | 177     | 250     | 69      | 37       | 29      | 90      | 112     | 61      | 32x150x70       | 27* Hexagonal hole | 7,5          |
| C835X20  | M42        | 20          | 200     | 290     | 90      | 43,5     | 43      | 116     | 140     | 67      | 40x190x100      | 32* Hexagonal hole | 9,3          |
| C835X25  | M45        | 25          | 200     | 290     | 90      | 48       | 43      | 116     | 140     | 67      | 40x190x100      | 36* Hexagonal hole | 10,2         |
| C835X30  | M48        | 30          | 200     | 290     | 90      | 51       | 43      | 116     | 140     | 77      | 40x190x100      | 36* Hexagonal hole | 10,2         |

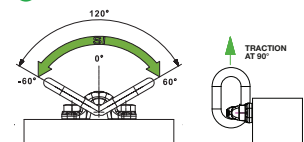
### Working load limit W.L.L. (t)

| Code     | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|----------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|          |            |             |              |              |               |                   |                    |                 |                     |                      |                   |                                   |
| C835X04  | M20        | 4           | 8            | 4            | 8             | 5,6               | 4                  | 4               | 8,4                 | 6                    | 4                 | 250                               |
| C835X067 | M24        | 6,7         | 13,4         | 6,7          | 13,4          | 9,5               | 6,7                | 6,7             | 14                  | 10                   | 6,7               | 400                               |
| C835X10  | M30        | 10          | 20           | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                | 500                               |
| C835X16  | M36        | 16          | 32           | 16           | 32            | 22,4              | 16                 | 16              | 33,6                | 24                   | 16                | 800                               |
| C835X20  | M42        | 20          | 40           | 20           | 40            | 28                | 20                 | 20              | 42                  | 30                   | 20                | 1304                              |
| C835X25  | M45        | 25          | 50           | 25           | 50            | 35                | 25                 | 25              | 52,5                | 37,5                 | 25                | 1630                              |
| C835X30  | M48        | 30          | 60           | 30           | 60            | 42                | 30                 | 30              | 63                  | 45                   | 30                | 1981                              |

NOT ALLOWED



YES



DO NOT USE TO LIFT PEOPLE

CARTEC

C836

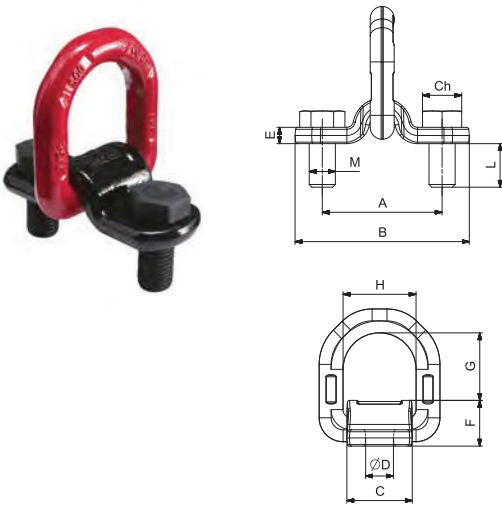
ANCHORAGE BRACKET WITH FIXING SCREWS - anchorage guaranteed without welding



FORESEEN USE

Anchorage bracket with fixing screws used for lifting loads.

- Safety coefficient 4
- Ring for orientation at 120 °
- Screw included in the package
- Hex head screw burnished black cl 10.9 in compliance UNI5739 / DIN933
- The anchorage bracket may be used in total safety with a maximum of 20.000 lifting at full loads
- Suitable for lifting in safety conditions in compliance to the machine directive 2006/42/EC
- Screw, bracket and ring tested at 100% magnaflux
- Realized with high resistance steel
- Painted with epoxy
- Tested to 20.000 fatigue cycles



| Code   | Size<br>mm | W.L.L.<br>t | A<br>mm | B<br>mm | C<br>mm | ØD<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | L<br>mm | Ch<br>mm | Weight<br>Kg |
|--------|------------|-------------|---------|---------|---------|----------|---------|---------|---------|---------|---------|----------|--------------|
| C83603 | M20        | 3,15        | 90      | 130     | 50      | 21,5     | 12      | 34      | 53      | 56      | 33      | 30       | 1,5          |
| C83605 | M24        | 5,3         | 110     | 160     | 60      | 25,5     | 15      | 42      | 63      | 67      | 40      | 36       | 2,6          |
| C83608 | M27        | 8           | 130     | 190     | 70      | 28,5     | 20      | 55      | 68      | 80      | 45      | 41       | 4,6          |

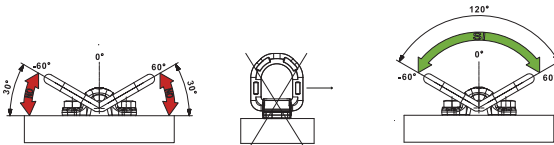
Working load limit W.L.L. (t)

| Code   | Size<br>mm | 90°<br>1 leg | 90°<br>2 leg | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------|------------|--------------|--------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|-----------------------------------|
|        |            |              |              |                   |                    |                 |                     |                      |                   |                                   |
| C83603 | M20        | 4,75         | 9,3          | 4,25              | 3,15               | 3,15            | 6,3                 | 4,75                 | 4,75              | 210                               |
| C83605 | M24        | 8            | 16           | 7,1               | 5,3                | 5,3             | 11,2                | 8                    | 8                 | 290                               |
| C83608 | M27        | 12           | 24           | 11,2              | 8                  | 8               | 16                  | 12                   | 12                | 550                               |

DO NOT USE TO LIFT PEOPLE

NOT ALLOWED

YES



CARTEC

C900X H.T.

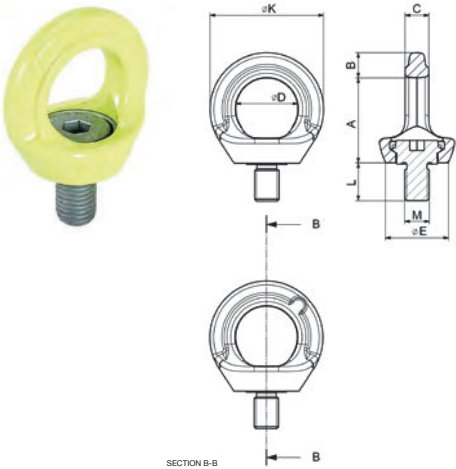
ROTATING RESTRAINING DEVICE H.T. (PPE) EN 795 -  
protection against falls from height (PPE) EN795



**FORESEEN USE**  
Device 900XHT is a safe arrest point to which anchoring one's body harness (harness compliant to EN361) through a suitable connection system (compliant to EN362) to prevent falls and their effects during work operations at height.

- The threaded hole must be perpendicular to the supporting structure
- Tighten the device until it fits tightly against the surface

Removable device - type A - Certified in accordance with EN-795 - 0426 notified body



| Code      | Size | Capacity<br>Person | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | K<br>mm | L<br>mm | Weight<br>Kg |
|-----------|------|--------------------|---------|---------|---------|---------|---------|---------|---------|--------------|
| C900XHT12 | M12  | 1                  | 41,5    | 12,5    | 11,5    | 30      | 30,6    | 55,5    | 18      | 0,18         |
| C900XHT16 | M16  | 1-2                | 49,5    | 14,5    | 15      | 35      | 36,5    | 64,5    | 24      | 0,35         |
| C900XHT20 | M20  | 1-2                | 58      | 16      | 18      | 40      | 42      | 74,5    | 30      | 0,6          |

YES



**WARNING: REPLACE THE DEVICE IMMEDIATELY IF IT HAS FALLEN OR IF YOU HAVE DOUBTS AS REGARDS ITS SUITABILITY FOR USE!**



CARTEC

C901X H.T.

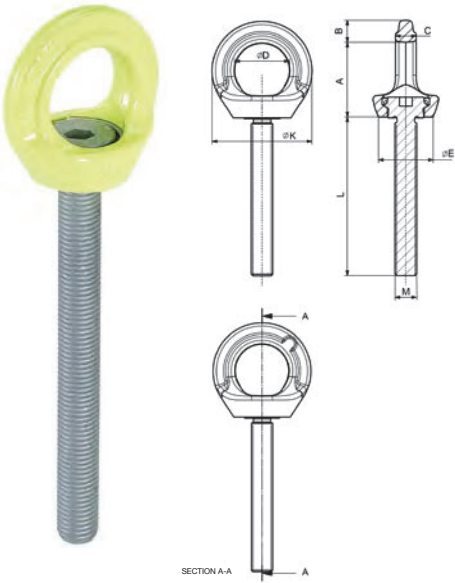
ROTATING RESTRAINING DEVICE WITH SCREW H.T. (PPE) EN 795 - protection against falls from height (PPE) EN795



**FORESEEN USE**  
Device 901XHT is a safe arrest point to which anchoring one's body harness (harness compliant to EN361) through a suitable connection system (compliant to EN362) to prevent falls and their effects during work operations at height.

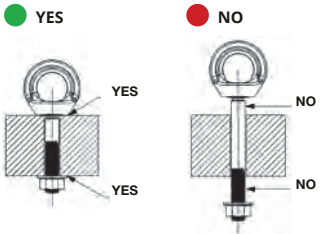
- The threaded hole must be perpendicular to the supporting structure
- Tighten the device until it fits tightly against the surface

Removable device - type A - Certified in accordance with EN-795 - 0426 notified body



| Code      | Size | Capacity<br>Person | A<br>mm | B<br>mm | E<br>mm | D<br>mm | E<br>mm | K<br>mm | L<br>mm | Weight<br>Kg |
|-----------|------|--------------------|---------|---------|---------|---------|---------|---------|---------|--------------|
| C901XHT12 | M12  | 1                  | 41,5    | 12,5    | 11,5    | 30      | 30,6    | 55,5    | 150     | 0,3          |
| C901XHT16 | M16  | 1-2                | 49,5    | 14,5    | 15      | 35      | 36,5    | 64,5    | 150     | 0,45         |

**⚠ WARNING: REPLACE THE DEVICE IMMEDIATELY IF IT HAS FALLEN OR IF YOU HAVE DOUBTS AS REGARDS ITS SUITABILITY FOR USE!**



CARTEC

C902X H.T.

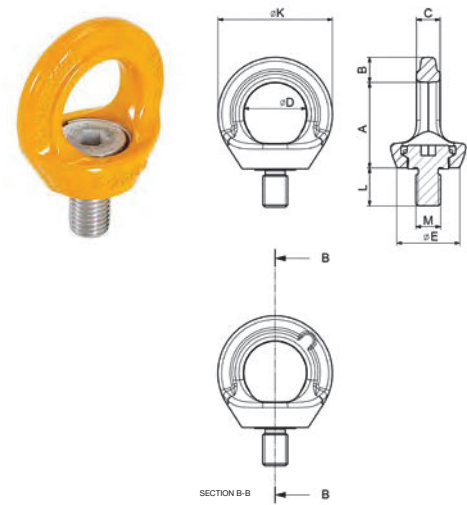
H.T. STAINLESS STEEL ROTATING RESTRAINING DEVICE ( PPE ) EN 795 - protection against falls from height (PPE) EN795



**FORESEEN USE**  
Device 902XHT is a safe arrest point to which anchoring one's body harness (harness compliant to EN361) through a suitable connection system (compliant to EN362) to prevent falls and their effects during work operations at height.

- The threaded hole must be perpendicular to the supporting structure
- Tighten the device until it fits tightly against the surface

Removable device - type A - Certified in accordance with EN-795 - 0426 notified body



| Code      | Size | Capacity<br>Person | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | K<br>mm | L<br>mm | Weight<br>Kg |
|-----------|------|--------------------|---------|---------|---------|---------|---------|---------|---------|--------------|
| C902XHT12 | M12  | 1                  | 41,5    | 12,5    | 11,5    | 30      | 30,6    | 55,5    | 18      | 0,18         |
| C902XHT16 | M16  | 1-2                | 49,5    | 14,5    | 15      | 35      | 36,5    | 64,5    | 24      | 0,35         |
| C902XHT20 | M20  | 1-2                | 58      | 16      | 18      | 40      | 42      | 74,5    | 30      | 0,6          |

 **WARNING: REPLACE THE DEVICE IMMEDIATELY IF IT HAS FALLEN OR IF YOU HAVE DOUBTS AS REGARDS ITS SUITABILITY FOR USE!**

 YES



CARTEC

C903X H.T.

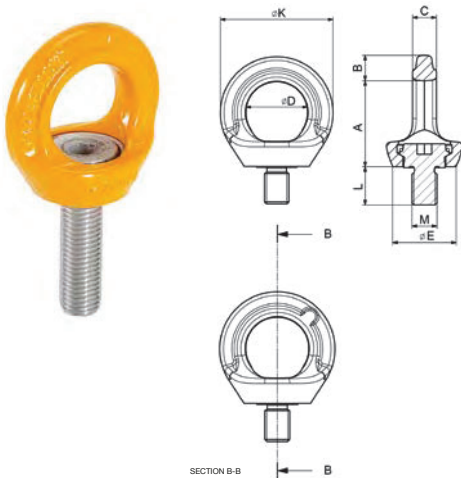
STAINLESS STEEL ROTATING RESTRAINING DEVICE WITH SCREW H.T. (PPE) EN 795 - protection against falls from height (PPE) EN795



**FORESEEN USE**  
Device 903XHT is a safe arrest point to which anchoring one's body harness (harness compliant to EN361) through a suitable connection system (compliant to EN362) to prevent falls and their effects during work operations at height.

- The threaded hole must be perpendicular to the supporting structure
- Tighten the device until it fits tightly against the surface

Removable device - type A - Certified in accordance with EN-795 - 0426 notified body



| Code      | Size | Capacity<br>Person | A<br>mm | B<br>mm | E<br>mm | D<br>mm | E<br>mm | K<br>mm | L<br>mm | Weight<br>Kg |
|-----------|------|--------------------|---------|---------|---------|---------|---------|---------|---------|--------------|
| C903XHT12 | M12  | 1                  | 41,5    | 12,5    | 11,5    | 30      | 30,6    | 55,5    | 50      | 0,22         |
| C903XHT16 | M16  | 1-2                | 49,5    | 14,5    | 15      | 35      | 36,5    | 64,5    | 50      | 0,3          |
| C903XHT16 | M16  | 1-2                | 49,5    | 14,5    | 15      | 35      | 36,5    | 64,5    | 120     | 0,45         |
| C903XHT20 | M20  | 1-2                | 58      | 16      | 18      | 40      | 42      | 74,5    | 60      | 0,5          |

YES



**WARNING: REPLACE THE DEVICE IMMEDIATELY IF IT HAS FALLEN OR IF YOU HAVE DOUBTS AS REGARDS ITS SUITABILITY FOR USE!**

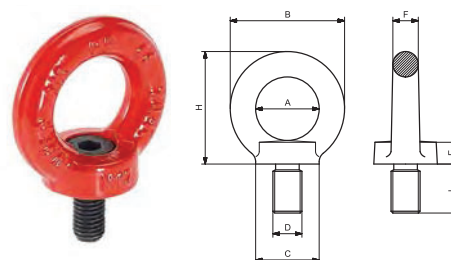
# CARTEC

## C801

**ADJUSTABLE EYEBOLT WITH SCREW 8.8** - safety coefficient 4



To be screwed with appropriate spanner



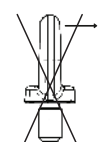
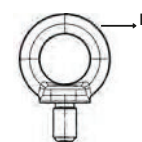
| Code   | Size<br>D x L (mm) | A<br>mm | B<br>mm | C<br>mm | F<br>mm | H<br>mm | Weight<br>Kg | W.L.L.<br>t |
|--------|--------------------|---------|---------|---------|---------|---------|--------------|-------------|
| C80106 | M6x15              | 25      | 45      | 25      | 10      | 45      | 0,09         | 0,1         |
| C80108 | M8x15              | 25      | 45      | 25      | 10      | 45      | 0,11         | 0,2         |
| C80110 | M10x16             | 25      | 45      | 25      | 10      | 45      | 0,13         | 0,25        |
| C80112 | M12x22             | 35      | 63      | 35      | 14      | 62      | 0,27         | 0,4         |
| C80114 | M14x20             | 35      | 63      | 35      | 14      | 62      | 0,29         | 0,75        |
| C80116 | M16x29             | 35      | 63      | 35      | 14      | 62      | 0,31         | 1           |
| C80120 | M20x32             | 50      | 90      | 50      | 20      | 90      | 0,86         | 1,5         |
| C80124 | M24x40             | 50      | 90      | 50      | 20      | 90      | 0,9          | 2           |
| C80130 | M30x45             | 60      | 108     | 65      | 24      | 109     | 1,7          | 3           |

### Working load limit W.L.L. (t)

| Code   | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------|------------|-------------|--------------|--------------|---------------|-------------------|--------------------|---------------------|----------------------|-----------------------------------|
|        |            |             |              |              |               |                   |                    |                     |                      |                                   |
| C80106 | M6x15      | 0,4         | 0,8          | 0,1          | 0,2           | 0,14              | 0,1                | 0,2                 | 0,14                 | 3,5                               |
| C80108 | M8x15      | 0,8         | 1,6          | 0,2          | 0,4           | 0,28              | 0,2                | 0,4                 | 0,28                 | 8                                 |
| C80110 | M10x16     | 1           | 2            | 0,25         | 0,5           | 0,35              | 0,25               | 0,5                 | 0,35                 | 16                                |
| C80112 | M12x22     | 1,6         | 3,2          | 0,4          | 0,8           | 0,56              | 0,4                | 0,8                 | 0,56                 | 28                                |
| C80114 | M14x20     | 3           | 6            | 0,75         | 1,5           | 1                 | 0,75               | 1,5                 | 1                    | 45                                |
| C80116 | M16x29     | 4           | 8            | 1            | 2             | 1,4               | 1                  | 2                   | 1,4                  | 70                                |
| C80120 | M20x32     | 6           | 12           | 1,5          | 3             | 2,1               | 1,5                | 3                   | 2,1                  | 135                               |
| C80124 | M24x40     | 8           | 16           | 2            | 4             | 2,8               | 2                  | 4                   | 2,8                  | 230                               |
| C80130 | M30x45     | 12          | 24           | 3            | 6             | 4,2               | 3                  | 6                   | 4,2                  | 465                               |

YES

NO



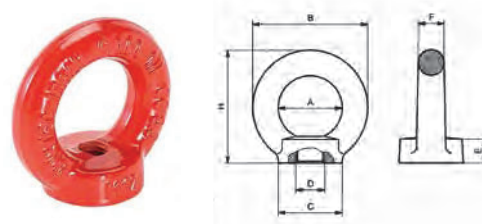
# CARTEC

## C802

EYE NUT 8.8 - safety coefficient 4



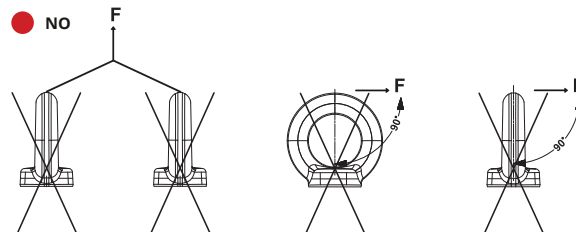
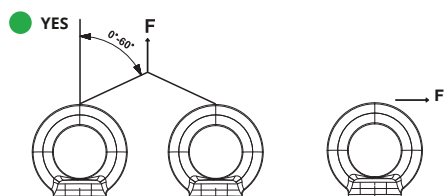
To be screwed by hand



| Code   | Size | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | H<br>mm | Weight<br>Kg | W.L.L.<br>t |
|--------|------|---------|---------|---------|---------|---------|---------|--------------|-------------|
| C80206 | M6   | 25      | 45      | 25      | 10      | 10      | 45      | 0,1          | 0,4         |
| C80208 | M8   | 25      | 45      | 25      | 10      | 10      | 45      | 0,1          | 0,8         |
| C80210 | M10  | 25      | 45      | 25      | 10      | 10      | 45      | 0,1          | 1           |
| C80212 | M12  | 35      | 63      | 35      | 14      | 14      | 62      | 0,26         | 1,6         |
| C80214 | M14  | 35      | 63      | 35      | 14      | 14      | 62      | 0,26         | 3           |
| C80216 | M16  | 35      | 63      | 35      | 14      | 14      | 62      | 0,26         | 4           |
| C80218 | M18  | 50      | 90      | 50      | 20      | 20      | 90      | 0,75         | 5           |
| C80220 | M20  | 50      | 90      | 50      | 20      | 20      | 90      | 0,75         | 6           |
| C80224 | M24  | 50      | 90      | 50      | 20      | 20      | 90      | 0,75         | 8           |
| C80227 | M27  | 60      | 108     | 65      | 24      | 24      | 109     | 1,4          | 10          |
| C80230 | M30  | 60      | 108     | 65      | 24      | 24      | 109     | 1,4          | 12          |

### Working load limit W.L.L. (t)

| Code   | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------|------------|-------------|--------------|-------------------|--------------------|---------------------|----------------------|-----------------------------------|
|        |            |             |              |                   |                    |                     |                      |                                   |
| C80206 | M6         | 0,4         | 0,8          | 0,14              | 0,1                | 0,2                 | 0,14                 | 3,5                               |
| C80208 | M8         | 0,8         | 1,6          | 0,28              | 0,2                | 0,4                 | 0,28                 | 8                                 |
| C80210 | M10        | 1           | 2            | 0,35              | 0,25               | 0,5                 | 0,35                 | 16                                |
| C80212 | M12        | 1,6         | 3,2          | 0,56              | 0,4                | 0,8                 | 0,56                 | 28                                |
| C80214 | M14        | 3           | 6            | 1                 | 0,75               | 1,5                 | 1                    | 45                                |
| C80216 | M16        | 4           | 8            | 1,4               | 1                  | 2                   | 1,4                  | 70                                |
| C80218 | M18        | 5           | 10           | 1,8               | 1,25               | 2,5                 | 1,8                  | 95                                |
| C80220 | M20        | 6           | 12           | 2,1               | 1,5                | 3                   | 2,1                  | 135                               |
| C80224 | M24        | 8           | 16           | 2,8               | 2                  | 4                   | 2,8                  | 230                               |
| C80227 | M27        | 10          | 20           | 3,5               | 2,5                | 5                   | 3,5                  | 343                               |
| C80230 | M30        | 12          | 24           | 4,2               | 3                  | 6                   | 4,2                  | 465                               |



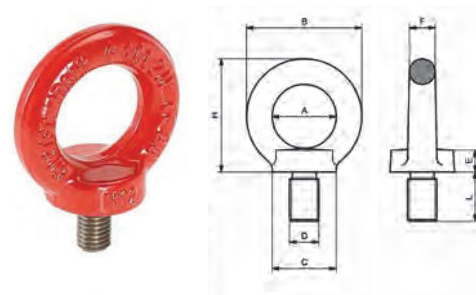
# CARTEC

## C803

EYE BOLT 8.8 - safety coefficient 4



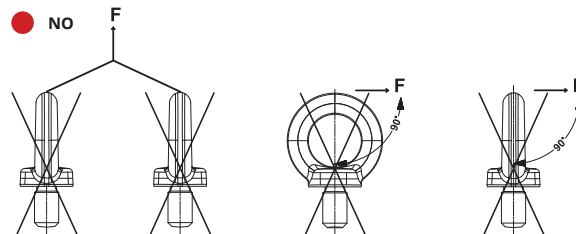
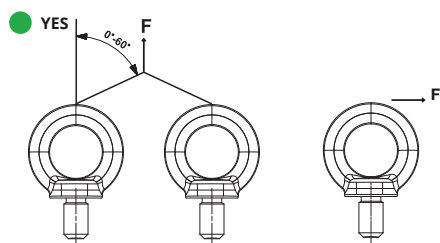
To be screwed by hand



| Code   | Size<br>D x L (mm) | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | H<br>mm | Weight<br>Kg | W.L.L.<br>t |
|--------|--------------------|---------|---------|---------|---------|---------|---------|--------------|-------------|
| C80306 | M6x13              | 25      | 45      | 25      | 10      | 10      | 45      | 0,09         | 0,4         |
| C80308 | M8x13              | 25      | 45      | 25      | 10      | 10      | 45      | 0,09         | 0,8         |
| C80310 | M10x17             | 25      | 45      | 25      | 10      | 10      | 45      | 0,11         | 1           |
| C80312 | M12x21             | 35      | 63      | 35      | 14      | 14      | 62      | 0,27         | 1,6         |
| C80314 | M14x21             | 35      | 63      | 35      | 14      | 14      | 62      | 0,29         | 3           |
| C80316 | M16x27             | 35      | 63      | 35      | 14      | 14      | 62      | 0,31         | 4           |
| C80318 | M18x27             | 50      | 90      | 50      | 20      | 20      | 90      | 0,84         | 5           |
| C80320 | M20x30             | 50      | 90      | 50      | 20      | 20      | 90      | 0,86         | 6           |
| C80322 | M22x36             | 50      | 90      | 50      | 20      | 20      | 90      | 0,9          | 7           |
| C80324 | M24x36             | 50      | 90      | 50      | 20      | 20      | 90      | 0,9          | 8           |
| C80327 | M27x45             | 60      | 108     | 65      | 24      | 24      | 109     | 1,66         | 10          |
| C80330 | M30x45             | 60      | 108     | 65      | 24      | 24      | 109     | 1,7          | 12          |
| C80333 | M33x54             | 70      | 126     | 75      | 26      | 28      | 128     | 2            | 14          |
| C80336 | M36x54             | 70      | 126     | 75      | 26      | 28      | 128     | 2,15         | 16          |
| C80342 | M42x63             | 80      | 144     | 85      | 30      | 32      | 147     | 4,15         | 24          |
| C80348 | M48x68             | 90      | 166     | 100     | 35      | 38      | 168     | 6,2          | 32          |
| C80356 | M56x78             | 100     | 184     | 110     | 38      | 42      | 187     | 8,8          | 36          |
| C80364 | M64x90             | 110     | 206     | 120     | 42      | 48      | 208     | 12,4         | 45          |

### Working load limit W.L.L. (t)

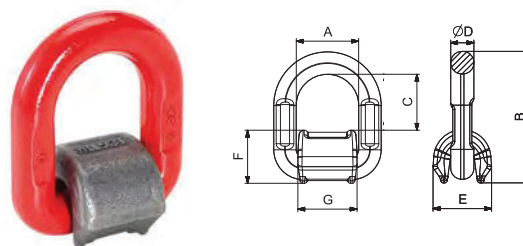
| Code   | Size<br>mm | 0°<br>1 leg | 0°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Max<br>tightening<br>torque<br>Nm |
|--------|------------|-------------|--------------|-------------------|--------------------|---------------------|----------------------|-----------------------------------|
|        |            |             |              |                   |                    |                     |                      |                                   |
| C80306 | M6x13      | 0,4         | 0,8          | 0,14              | 0,1                | 0,2                 | 0,14                 | 3,5                               |
| C80308 | M8x13      | 0,8         | 1,6          | 0,28              | 0,2                | 0,4                 | 0,28                 | 8                                 |
| C80310 | M10x17     | 1           | 2            | 0,35              | 0,25               | 0,5                 | 0,35                 | 16                                |
| C80312 | M12x21     | 1,6         | 3,2          | 0,56              | 0,4                | 0,8                 | 0,56                 | 28                                |
| C80314 | M14x21     | 3           | 6            | 1                 | 0,75               | 1,5                 | 1                    | 45                                |
| C80316 | M16x27     | 4           | 8            | 1,4               | 1                  | 2                   | 1,4                  | 70                                |
| C80318 | M18x27     | 5           | 10           | 1,8               | 1,25               | 2,5                 | 1,8                  | 95                                |
| C80320 | M20x30     | 6           | 12           | 2,1               | 1,5                | 3                   | 2,1                  | 135                               |
| C80322 | M22x36     | 7           | 14           | 2,4               | 1,75               | 3,5                 | 2,4                  | 182                               |
| C80324 | M24x36     | 8           | 16           | 2,8               | 2                  | 4                   | 2,8                  | 230                               |
| C80327 | M27x45     | 10          | 20           | 3,5               | 2,5                | 5                   | 3,5                  | 343                               |
| C80330 | M30x45     | 12          | 24           | 4,2               | 3                  | 6                   | 4,2                  | 465                               |
| C80333 | M33x54     | 14          | 28           | 4,8               | 3,4                | 6,8                 | 4,8                  | 632                               |
| C80336 | M36x54     | 16          | 32           | 5,6               | 3,9                | 7,8                 | 5,4                  | 814                               |
| C80342 | M42x63     | 24          | 48           | 8,4               | 5,9                | 11,8                | 8,2                  | 1304                              |
| C80348 | M48x68     | 32          | 64           | 11,2              | 7,8                | 15,6                | 10,9                 | 1981                              |
| C80356 | M56x78     | 36          | 72           | 12,6              | 8,8                | 17,6                | 12,3                 | 3000                              |
| C80364 | M64x90     | 45          | 90           | 15,7              | 11                 | 22                  | 15,4                 | 4736                              |



# CARTEC

## C804

ATTACHMENT-POINT WELD-ON TYPE - safety coefficient 4



| Code   | Code with spring | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | Weight<br>Kg | W.L.L.<br>t |
|--------|------------------|---------|---------|---------|---------|---------|---------|---------|--------------|-------------|
| C80401 | C80401M          | 41      | 80      | 35      | 13      | 38      | 33,5    | 37      | 0,47         | 1,12        |
| C80402 | C80402M          | 42      | 90      | 41      | 14      | 40      | 36      | 38      | 0,51         | 2           |
| C80403 | C80403M          | 46      | 96      | 42      | 17      | 43      | 37      | 44      | 0,69         | 3,15        |
| C80405 | C80405M          | 55      | 121     | 48      | 22      | 61      | 50      | 50      | 1,46         | 5,3         |
| C80408 | C80408M          | 70      | 144     | 62      | 26,5    | 70,5    | 54      | 66      | 2,52         | 8           |
| C80415 | C80415M          | 97      | 187     | 86      | 34      | 90      | 72      | 90      | 5,79         | 15          |

### Working load limit W.L.L. (t)

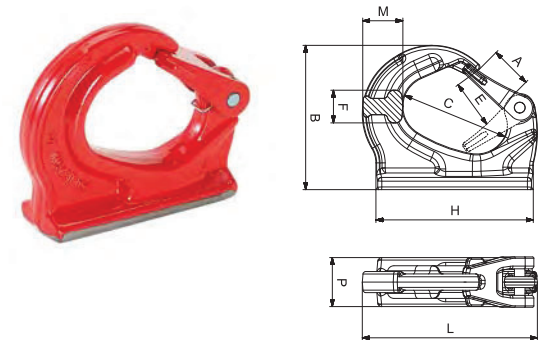
| Code   | Code with spring | 0°<br>1 leg<br> | 0°<br>2 legs<br> | 0°- 45°<br>2 legs<br> | 45°- 60°<br>2 legs<br> | Asymm<br>2 legs<br> | 0°- 45°<br>3/4 legs<br> | 45°- 60°<br>3/4 legs<br> | Asymm<br>3/4 legs<br> |
|--------|------------------|-----------------|------------------|-----------------------|------------------------|---------------------|-------------------------|--------------------------|-----------------------|
| C80401 | 80401M           | 1,12            | 2,24             | 1,57                  | 1,12                   | 1,12                | 2,35                    | 1,68                     | 1,12                  |
| C80402 | 80402M           | 2               | 4                | 2,8                   | 2                      | 2                   | 4,2                     | 3                        | 2                     |
| C80403 | 80403M           | 3,15            | 6,3              | 4,41                  | 3,15                   | 3,15                | 6,62                    | 4,73                     | 3,15                  |
| C80405 | 80405M           | 5,3             | 10,6             | 7,42                  | 5,3                    | 5,3                 | 11,13                   | 7,95                     | 5,3                   |
| C80408 | 80408M           | 8               | 16               | 11,2                  | 8                      | 8                   | 16,8                    | 12                       | 8                     |
| C80415 | 80415M           | 15              | 30               | 21                    | 15                     | 15                  | 31,5                    | 22,5                     | 15                    |



CARTEC

C805

WELD-ON HOOK - safety coefficient 4



| Code     | A<br>mm | B<br>mm | C<br>mm | E<br>mm | F<br>mm | H<br>mm | M<br>mm | P<br>mm | L<br>mm | Weight<br>Kg | W.L.L.<br>t |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|-------------|
| C805112S | 23      | 77      | 63      | 22      | 18      | 93      | 22,5    | 25      | 101     | 0,54         | 1,12        |
| C8052    | 27      | 92      | 66      | 26      | 20,5    | 81      | 23      | 34      | 114     | 0,87         | 2           |
| C8053    | 30      | 106     | 75      | 30      | 24      | 116     | 30      | 36      | 128     | 1,27         | 3           |
| C8055    | 37      | 133     | 98      | 32,5    | 28      | 160     | 43      | 43,5    | 170     | 2,7          | 5           |
| C8058    | 36      | 137     | 99      | 31      | 39      | 166     | 44      | 51      | 177     | 3,5          | 8           |
| C80510   | 49      | 169     | 140     | 39      | 38      | 205     | 55      | 53      | 224     | 5,2          | 10          |

Working load limit W.L.L. (t)

| Code     | 90°<br>1 leg | 90°<br>2 legs | 0°- 45°<br>2 legs | 45°- 60°<br>2 legs | Asymm<br>2 legs | 0°- 45°<br>3/4 legs | 45°- 60°<br>3/4 legs | Asymm<br>3/4 legs |
|----------|--------------|---------------|-------------------|--------------------|-----------------|---------------------|----------------------|-------------------|
| C805112S | 1,12         | 2,24          | 1,57              | 1,12               | 1,12            | 2,35                | 1,68                 | 1,12              |
| C8052    | 2            | 4             | 2,8               | 2                  | 2               | 4,2                 | 3                    | 2                 |
| C8053    | 3            | 6             | 4,2               | 3                  | 3               | 6,3                 | 4,5                  | 3                 |
| C8055    | 5            | 10            | 7                 | 5                  | 5               | 10,5                | 7,5                  | 5                 |
| C8058    | 8            | 16            | 11,2              | 8                  | 8               | 16,8                | 12                   | 8                 |
| C80510   | 10           | 20            | 14                | 10                 | 10              | 21                  | 15                   | 10                |

CK805

LATCH KIT FOR HOOKS



| Code      | Size (T) | Accessory of use |
|-----------|----------|------------------|
| CK805112S | 1,12     | C805112          |
| CK8052    | 2        | C8052            |
| CK8053    | 3        | C8053            |
| CK8055    | 5        | C8055            |
| CK8058    | 8        | C8058            |
| CK80510   | 10       | C80510           |

# CARTEC

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## Anchorage Devices

The new machinery directive 2006/42/CE and the new legislation provisions concerning safety and health in business premises, for Italy the unique text D. Lgs 81/08, point out again the importance of reducing risks to a minimum in relation to lifting loads.

As a solution to the above Carcano SPA offers a series of fastening devices dedicated to carrying out all movement and or lifting operations for safe loading, these devices are designed, produced and tested at our plants giving complete guarantee of a "MADE IN ITALY" product.

Thanks to the design activities where the Carcano SPA technicians carefully analyse all the essential safety requirements prescribed by the European directives in question, thanks to the quality of raw materials and constant control of the device process guarantees:

- high performance even with out of alignment pulling,
- easy to orient and self aligning when loading,
- minimum overall dimensions during use,
- safety coefficient 4 in all pulling directions

## Anti Falling Stop Devices

During the daily activity of workers in all kinds of factories and in building permanent or temporary sites it is quite normal to have to work at heights where it is difficult to apply common protection devices such as parapets or even life lines.

Carcano SPA offers new protection devices needed to guarantee worker anti fall stop.

The devices realized in conformity with all the specific directives for individual protection (2016/425, 795 362 364 365) undergo severe controls with sampling up to 100% in order to guarantee suitability of each single part.

To guarantee the above the devices are subject to the approval of accredited National and International institutions.

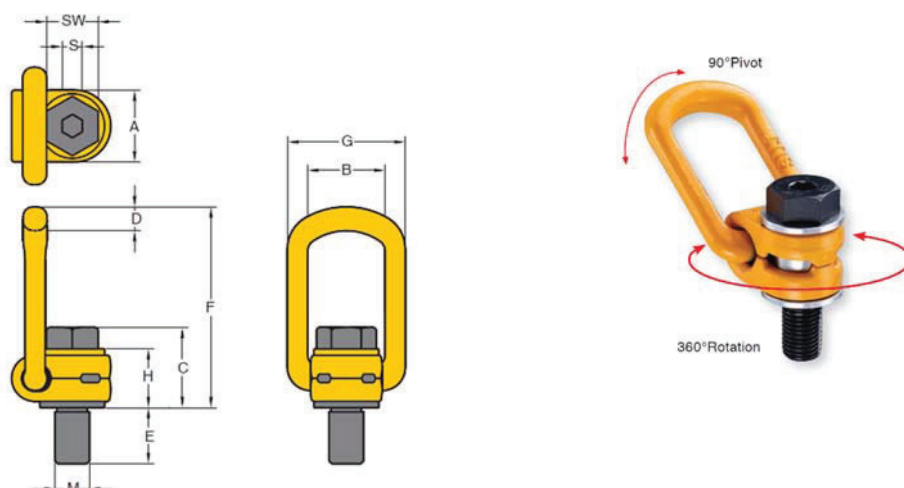
## Eyebolts DIN 580/582

Together with anchorage device kits Carcano SPA also supplies the classic lifting eyebolt DIN 580/582 in the standard version in carbon steel and in the stainless steel version to be used in permanent outdoor environments and/or marine ones and in addition to these there is also the version in alloy steel class 8.8.

Eyebolts DIN580/582 due to the way they are made have some limits, that is difficult to orient in the direction of the load the dramatic reduction to the capacity out of alignment without a careful evaluation by the user may expose workers to very high risks and are difficult to prevent.

With this in mind we recommend the use of these eyebolts only in operations where the type of load and movements of the work area generate low exposure to the risk of crushing, impacts and accidents to people in general.

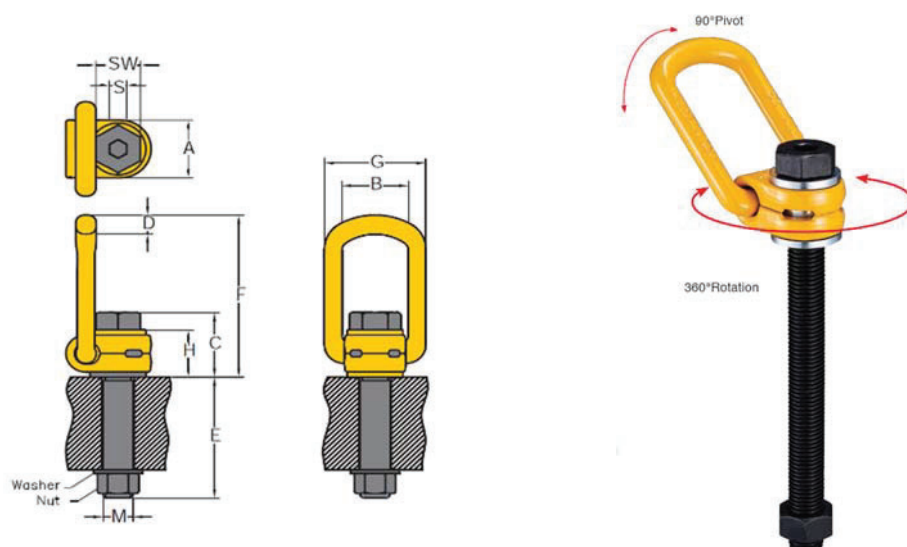
|                                                                       |                                                                                         |                                                                     |                                                             |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Schroefbaar hijsoog</b><br>360° Rotatie – 180°Pivot<br>Type Y8-211 | <b>Anneau de levage équerillon à étrier</b><br>360° Rotation – 180°Pivot<br>Type Y8-211 | <b>Rotating Eyebolt</b><br>360° Rotation – 180°Pivot<br>Type Y8-211 | <b>Lastbock</b><br>360° Rotation – 180°Pivot<br>Type Y8-211 |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------|



| Nominale maat<br>Désignation<br>Nominal size<br>Nenngrosse | WLL<br>[t] | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | S<br>mm | SW<br>mm | Torq<br>Nm | KG   | Art.NR<br>Code Art.<br>Stock No.<br>Art.Nr. | € |
|------------------------------------------------------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|------------|------|---------------------------------------------|---|
| M 8 x 1,25                                                 | 0.3        | 30      | 35      | 35      | 10      | 11      | 85      | 55      | 29      | 6       | 13       | 30         | 0,2  | 8-211-003                                   |   |
| M10 x 1,5                                                  | 0.63       | 30      | 35      | 36      | 10      | 16      | 85      | 55      | 29      | 6       | 17       | 60         | 0,3  | 8-211-006                                   |   |
| M12 x 1,75                                                 | 1.0        | 33      | 37      | 44      | 14      | 18      | 98      | 57      | 36      | 8       | 19       | 100        | 0,5  | 8-211-010                                   |   |
| M14 x 2                                                    | 1.2        | 33      | 37      | 45      | 14      | 21      | 98      | 57      | 36      | 10      | 22       | 120        | 0,5  | 8-211-012                                   |   |
| M16 x 2                                                    | 1.5        | 33      | 37      | 46      | 14      | 24      | 98      | 57      | 36      | 10      | 24       | 150        | 0,5  | 8-211-015                                   |   |
| M18 x 2                                                    | 2.0        | 50      | 54      | 57      | 17      | 26      | 140     | 82      | 44      | 12      | 30       | 200        | 1,3  | 8-211-020                                   |   |
| M20 x 2,5                                                  | 2.5        | 50      | 54      | 57      | 17      | 30      | 140     | 82      | 44      | 12      | 30       | 250        | 1,3  | 8-211-025                                   |   |
| M24 x 3                                                    | 4.0        | 50      | 54      | 59      | 17      | 36      | 140     | 82      | 44      | 14      | 36       | 400        | 1,4  | 8-211-040                                   |   |
| M27 x 3                                                    | 4.0        | 60      | 65      | 79      | 23      | 38      | 170     | 99      | 62      | 17      | 41       | 400        | 2,8  | 8-211-042                                   |   |
| M30 x 3,5                                                  | 5.0        | 60      | 65      | 81      | 23      | 48      | 170     | 99      | 62      | 17      | 46       | 500        | 3,1  | 8-211-050                                   |   |
| M36 x 4                                                    | 7.0        | 60      | 65      | 88      | 23      | 54      | 178     | 99      | 65      | 22      | 55       | 700        | 3,3  | 8-211-070                                   |   |
| M36 x 4                                                    | 8.0        | 77      | 85      | 101     | 27      | 62      | 225     | 124     | 78      | 22      | 55       | 800        | 5,8  | 8-211-080                                   |   |
| M42 x 4,5                                                  | 10.0       | 77      | 85      | 104     | 27      | 72      | 225     | 124     | 78      | 24      | 65       | 1000       | 6,3  | 8-211-100                                   |   |
| M42 x 4,5                                                  | 15.0       | 95      | 104     | 112     | 36      | 63      | 256     | 158     | 86      | 24      | 65       | 1500       | 10,8 | 8-211-150                                   |   |
| M48 x 5                                                    | 20.0       | 95      | 104     | 120     | 36      | 72      | 259     | 158     | 90      | 27      | 75       | 2000       | 11,6 | 8-211-200                                   |   |

| Number of legs                                             | 1    | 2    | 1     | 2     | 2        |           |         | 3-4      |           |         |
|------------------------------------------------------------|------|------|-------|-------|----------|-----------|---------|----------|-----------|---------|
| Load direction:β                                           | β=0° | β=0° | β=90° | β=90° | 0°<β≤45° | 45°<β≤60° | Unsymm. | 0°<β≤45° | 45°<β≤60° | Unsymm. |
| Nominale maat<br>Désignation<br>Nominal size<br>Nenngrosse |      |      |       |       |          |           |         |          |           |         |
| M 8 x 1,25                                                 | 0.3  | 0.6  | 0.3   | 0.6   | 0.42     | 0.3       | 0.3     | 0.63     | 0.45      | 0.3     |
| M10 x 1,5                                                  | 0.63 | 1.26 | 0.63  | 1.26  | 0.88     | 0.63      | 0.63    | 1.32     | 0.95      | 0.63    |
| M12 x 1,75                                                 | 1.0  | 2.0  | 1.0   | 2.0   | 1.4      | 1.0       | 1.0     | 2.1      | 1.5       | 1.0     |
| M14 x 2                                                    | 1.2  | 2.4  | 1.2   | 2.4   | 1.7      | 1.2       | 1.2     | 2.5      | 1.8       | 1.2     |
| M16 x 2                                                    | 1.5  | 3.0  | 1.5   | 3.0   | 2.1      | 1.5       | 1.5     | 3.1      | 2.2       | 1.5     |
| M18 x 2                                                    | 2.0  | 4.0  | 2.0   | 4.0   | 2.8      | 2.0       | 2.0     | 4.2      | 3.0       | 2.0     |
| M20 x 2,5                                                  | 2.5  | 5.0  | 2.5   | 5.0   | 3.5      | 2.5       | 2.5     | 5.2      | 3.7       | 2.5     |
| M24 x 3                                                    | 4.0  | 8.0  | 4.0   | 8.0   | 5.6      | 4.0       | 4.0     | 8.4      | 6.0       | 4.0     |
| M27 x 3                                                    | 4.0  | 8.0  | 4.0   | 8.0   | 5.6      | 4.0       | 4.0     | 8.4      | 6.0       | 4.0     |
| M30 x 3,5                                                  | 5.0  | 10.0 | 5.0   | 10.0  | 7.0      | 5.0       | 5.0     | 10.5     | 7.5       | 5.0     |
| M36 x 4                                                    | 7.0  | 14.0 | 7.0   | 14.0  | 9.8      | 7.0       | 7.0     | 14.7     | 10.5      | 7.0     |
| M36 x 4                                                    | 8.0  | 16.0 | 8.0   | 16.0  | 11.2     | 8.0       | 8.0     | 16.8     | 12.0      | 8.0     |
| M42 x 4,5                                                  | 10.0 | 20.0 | 10.0  | 20.0  | 14.0     | 10.0      | 10.0    | 21.0     | 15.0      | 10.0    |
| M42 x 4,5                                                  | 15.0 | 30.0 | 15.0  | 30.0  | 21.0     | 15.0      | 15.0    | 31.5     | 22.5      | 15.0    |
| M48 x 5                                                    | 20.0 | 40.0 | 20.0  | 40.0  | 28.0     | 20.0      | 20.0    | 42.0     | 30.0      | 20.0    |

|                                                                        |                                                                                         |                                                                      |                                                              |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Schroefbaar hijsoog</b><br>360° Rotatie – 180°Pivot<br>Type Y8-211L | <b>Anneau de levage émerillon à étrier</b><br>360° Rotation – 180°Pivot<br>Type Y8-211L | <b>Rotating Eyebolt</b><br>360° Rotation – 180°Pivot<br>Type Y8-211L | <b>Lastbock</b><br>360° Rotation – 180°Pivot<br>Type Y8-211L |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------|



| Nominale maat<br>Désignation<br>Nominal size<br>Nenngröße | WLL<br>[t] | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | S<br>mm | SW<br>mm | Torq<br>Nm | KG   | Art.NR<br>Code Art.<br>Stock No.<br>Art.Nr. | € |
|-----------------------------------------------------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|------------|------|---------------------------------------------|---|
| M 8 x 1,25                                                | 0,3        | 30      | 35      | 35      | 10      | 76      | 85      | 55      | 29      | 6       | 13       | 30         | 0,3  | 8-211-003/105L                              |   |
| M10 x 1,5                                                 | 0,63       | 30      | 35      | 36      | 10      | 96      | 85      | 55      | 29      | 6       | 17       | 60         | 0,3  | 8-211-006/125L                              |   |
| M12 x 1,75                                                | 1          | 33      | 37      | 44      | 14      | 114     | 98      | 57      | 36      | 8       | 19       | 100        | 0,5  | 8-211-010/150L                              |   |
| M16 x 2                                                   | 1,5        | 33      | 37      | 46      | 14      | 149     | 98      | 57      | 36      | 10      | 24       | 150        | 0,5  | 8-211-015/185L                              |   |
| M20 x 2,5                                                 | 2,5        | 50      | 54      | 57      | 17      | 186     | 140     | 82      | 44      | 12      | 30       | 250        | 1,3  | 8-211-025/230L                              |   |
| M24 x 3                                                   | 4          | 50      | 54      | 59      | 17      | 221     | 140     | 82      | 44      | 14      | 36       | 400        | 2,9  | 8-211-040/265L                              |   |
| M30 x 3,5                                                 | 5          | 60      | 65      | 81      | 23      | 278     | 170     | 99      | 62      | 17      | 46       | 500        | 3,2  | 8-211-050/340L                              |   |
| M36 x 4                                                   | 8          | 77      | 85      | 101     | 27      | 222     | 225     | 124     | 78      | 22      | 55       | 800        | 5,8  | 8-211-080/300L                              |   |
| M42 x 4,5                                                 | 10         | 77      | 85      | 104     | 27      | 272     | 225     | 124     | 78      | 24      | 65       | 1000       | 6,2  | 8-211-100/350L                              |   |
| M42 x 4,5                                                 | 15         | 95      | 104     | 112     | 36      | 264     | 256     | 158     | 86      | 24      | 65       | 1500       | 11   | 8-211-150/350L                              |   |
| M48 x 5                                                   | 20         | 95      | 104     | 120     | 36      | 295     | 259     | 158     | 90      | 27      | 75       | 2000       | 11,6 | 8-211-200/385L                              |   |





Safety Factor  
4:1

|                                                           | Number of legs | 1    | 2     | 1     | 2        | 2         |         |          | 3-4       |         |      |
|-----------------------------------------------------------|----------------|------|-------|-------|----------|-----------|---------|----------|-----------|---------|------|
| Load direction:β                                          | β=0°           | β=0° | β=90° | β=90° | 0°<β≤45° | 45°<β≤60° | Unsymm. | 0°<β≤45° | 45°<β≤60° | Unsymm. |      |
| Nominale maat<br>Désignation<br>Nominal size<br>Nenngröße |                |      |       |       |          |           |         |          |           |         |      |
| WLL<br>[t]                                                | M 8 x 1,25     | 0.3  | 0.6   | 0.3   | 0.6      | 0.42      | 0.3     | 0.3      | 0.63      | 0.45    | 0.3  |
|                                                           | M10 x 1,5      | 0.63 | 1.26  | 0.63  | 1.26     | 0.88      | 0.63    | 0.63     | 1.32      | 0.95    | 0.63 |
|                                                           | M12 x 1,75     | 1.0  | 2.0   | 1.0   | 2.0      | 1.4       | 1.0     | 1.0      | 2.1       | 1.5     | 1.0  |
|                                                           | M16 x 2        | 1.5  | 3.0   | 1.5   | 3.0      | 2.1       | 1.5     | 1.5      | 3.1       | 2.2     | 1.5  |
|                                                           | M20 x 2,5      | 2.5  | 5.0   | 2.5   | 5.0      | 3.5       | 2.5     | 2.5      | 5.2       | 3.7     | 2.5  |
|                                                           | M24 x 3        | 4.0  | 8.0   | 4.0   | 8.0      | 5.6       | 4.0     | 4.0      | 8.4       | 6.0     | 4.0  |
|                                                           | M30 x 3,5      | 5.0  | 10.0  | 5.0   | 10.0     | 7.0       | 5.0     | 5.0      | 10.5      | 7.5     | 5.0  |
|                                                           | M36 x 4        | 8.0  | 16.0  | 8.0   | 16.0     | 11.2      | 8.0     | 8.0      | 16.8      | 12.0    | 8.0  |
|                                                           | M42 x 4,5      | 10.0 | 20.0  | 10.0  | 20.0     | 14.0      | 10.0    | 10.0     | 21.0      | 15.0    | 10.0 |
|                                                           | M42 x 4,5      | 15.0 | 30.0  | 15.0  | 30.0     | 21.0      | 15.0    | 15.0     | 31.5      | 22.5    | 15.0 |
|                                                           | M48 x 5        | 20.0 | 40.0  | 20.0  | 40.0     | 28.0      | 20.0    | 20.0     | 42.0      | 30.0    | 20.0 |