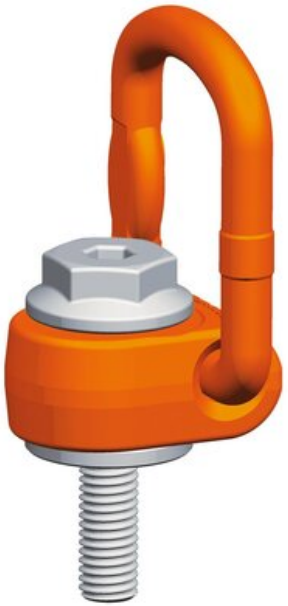

# Lifting Eye Pewag PLAW Alpha

## Product information

360° rotatable lifting point. The load ring is loadable in a range of 130° and can be positioned at any required angle due to its replaceable and patented spring. Likewise interchangeable is the hexagon-special screw from grade 10.9 material, which is secured against loss. The screw is 100% crack detection tested as well as covered with a chromate VI-free protection against corrosion.
pewag winner profilift alpha is able to withstand a 4-fold safety against break in all directions. It is avaliable with metric or UNC-thread, whereas the lifting points with metric thread is also obtainable with customized thread lengths.

**Permissible usage**
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull (see picture 1).

**Non permissible usage**
Make sure when choosing the assembly that improper load can not arise e.g. if:

- The direction of pull is obstructed
- Direction of pull is not in the foreseen area (see picture 2)
- Load ring rests against edges or loads (picture 3)

The load ring must be placed in the direction of pull before loading - do not turn under load. For more details please have a look into our user manual.

**To calculate the necessary thread length (L):**
L = H + S +K + X

H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)
L max. = n max.

pewag provides, along with the standard and maximum thread lengths, specially customised thread lengths. Supplied customised and maxium thread lengths include a washer and a crack-tested, corrosion-proofed screw nut.

**Material:** Alloy steel
**Marking:** According to standard, CE-marked, WLL, thread size and an individual serial number.
**Finish:** Painted.
**Standard:** EN 1677-1
*except grade/WLL*

**Safety factor:** 4:1

| Part code | Code | WLL ton | Thread | a mm | b mm | c mm | d mm | e mm | g mm | h mm | k mm | n mm | n max mm | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42154014012 | PLAW 0,3 t | 0.3 | M8 | 45 | 67 | 40 | 11 | 41 | 95 | 36 | 55 | 20 | 150 | 0.57 |
| 42154014013 | PLAW 0,63 t | 0.63 | M10 | 45 | 67 | 40 | 11 | 41 | 95 | 36 | 55 | 20 | 150 | 0.58 |
| 42154092151 | PLAW 1 t | 1 | M12 | 45 | 67 | 40 | 11 | 41 | 95 | 36 | 55 | 20 | 170 | 0.6 |
| 42154092221 | PLAW 1,5 t | 1.5 | M16 | 45 | 67 | 40 | 11 | 41 | 95 | 36 | 55 | 24 | 260 | 0.62 |
| 42154014440 | PLAW 2,5 t | 2.5 | M20 | 54 | 81 | 50 | 13 | 55 | 112 | 50 | 67 | 33 | 335 | 1.1 |
| 42154002923 | PLAW 4 t | 4 | M24 | 54 | 87 | 50 | 17 | 67 | 142 | 45 | 70 | 36 | 361 | 1.6 |
| 42154090654 | PLAW 6 t | 6 | M30 | 68 | 108 | 60 | 20 | 68 | 148 | 55 | 85 | 45 | 360 | 3.1 |
| 42154009996 | PLAW 7 t * | 7 | M36 | 75 | 115 | 67 | 20 | 65 | 143 | 60 | 100 | 55 | 374 | 3.3 |
| 42154014615 | PLAW 8 t | 8 | M36 | 93 | 147 | 85 | 27 | 87 | 188 | 85 | 120 | 55 | 365 | 6.1 |
| 42154014627 | PLAW 10 t | 10 | M42 | 93 | 147 | 85 | 27 | 87 | 188 | 85 | 120 | 65 | 365 | 6.4 |
| 42154009995 | PLAW 15 t | 15 | M42 | 115 | 181 | 105 | 33 | 108 | 246 | 106 | 150 | 63 | 340 | 12 |
| 42154020904 | PLAW 20 t | 20 | M48 | 115 | 181 | 105 | 33 | 108 | 246 | 106 | 150 | 73 | 340 | 12.3 |

## Technical data

| Lashing type |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|
| Number of legs | 1 | 1 | 2 | 2 | 2 | 2 | 3+4 | 3+4 | 2 | 3+4 |
| Angle of inclination | 0° | 90° | 0° | 90° | 0-45° | 45°-60° | 0°-45° | 45°-60° | asymm | asymm |

| Code | Thread [mm] | Torque [Nm] | Working load limit [kg] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLAW 0,3 t | M8 | 35 | 300 | 300 | 600 | 600 | 400 | 300 | 600 | 400 | 300 | 300 |
| PLAW 0,63 t | M10 | 70 | 630 | 630 | 1.260 | 1.260 | 850 | 630 | 1.300 | 900 | 630 | 630 |
| PLAW 1 t | M12 | 120 | 1.000 | 1.000 | 2.000 | 2.000 | 1.400 | 1.000 | 2.100 | 1.500 | 1.000 | 1.000 |
| PLAW 1,5 t | M16 | 150 | 1.500 | 1.500 | 3.000 | 3.000 | 2.100 | 1.500 | 3.100 | 2.200 | 1.500 | 1.500 |
| PLAW 2,5 t | M20 | 170 | 2.500 | 2.500 | 5.000 | 5.000 | 3.500 | 2.500 | 5.300 | 3.700 | 2.500 | 2.500 |
| PLAW 4 t (/13) | M24 | 400 | 4.000 | 4.000 | 8.000 | 8.000 | 5.600 | 4.000 | 8.400 | 6.000 | 4.000 | 4.000 |
| PLAW 6 t | M30 | 500 | 6.000 | 6.000 | 12.000 | 12.000 | 8.500 | 6.000 | 12.700 | 9.000 | 6.000 | 6.000 |
| PLAW 7 t | M36 | 700 | 7.000 | 7.000 | 14.000 | 14.000 | 9.800 | 7.000 | 14.800 | 10.500 | 7.000 | 7.000 |
| PLAW 8 t | M36 | 800 | 8.000 | 8.000 | 16.000 | 16.000 | 11.300 | 8.000 | 16.900 | 12.000 | 8.000 | 8.000 |
| PLAW 10 t | M42 | 1.500 | 10.000 | 10.000 | 20.000 | 20.000 | 14.000 | 10.000 | 21.000 | 15.000 | 10.000 | 10.000 |
| PLAW 15 t | M42 | 1.500 | 15.000 | 15.000 | 30.000 | 30.000 | 21.000 | 15.000 | 31.500 | 22.500 | 15.000 | 15.000 |
| PLAW 20 t | M48 | 2.000 | 20.000 | 20.000 | 40.000 | 40.000 | 28.000 | 20.000 | 42.000 | 30.000 | 20.000 | 20.000 |

## Blueprint