



## Lifting Eye Pewag PLDW

### Product information



Ball-bearing 360° under load rotatable lifting point. High resistant lifting eye 180° movable. The special screws are 100% crack-tested as well as protected against corrosion. The table with the load capacities depending on the method of lifting as lifting gear, number of legs and angle of inclination is a part of the user manual and packed together with each lifting point.

#### 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)
- Loading ring rests against edges or load

#### 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.

**Material:** Alloy steel grade 10.

**Marking:** WLL, thread size and an individual serial number.

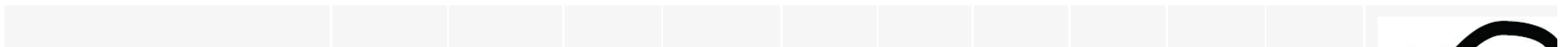
**Note:** Also available in special length (SL) and maximum length (MAXL) as well.

**Safety factor:** 4:1

**Grade:** 10

| Part Code   | Code      | WLL ton | Thread | a mm | b mm | c mm | d mm | e mm | n mm | n max mm | Weight kg |
|-------------|-----------|---------|--------|------|------|------|------|------|------|----------|-----------|
| 11.4291742  | PLDW M8   | 0.3     | M8     | 30   | 38   | 54   | 13   | 38   | 20   | 100      | 0.47      |
| 11.4291743  | PLDW M10  | 0.5     | M10    | 30   | 38   | 54   | 13   | 38   | 20   | 180      | 0.47      |
| 11.4291744  | PLDW M12  | 0.7     | M12    | 35   | 48   | 54   | 13   | 38   | 22   | 200      | 0.47      |
| 11.4291745  | PLDW M14  | 1       | M14    | 35   | 48   | 54   | 13   | 38   | 22   | 200      | 0.47      |
| 11.4291746  | PLDW M16  | 1.5     | M16    | 35   | 48   | 54   | 13   | 38   | 33   | 250      | 0.49      |
| 11.4291747  | PLDW M20  | 2.5     | M20    | 35   | 55   | 75   | 16   | 55   | 33   | 250      | 1.1       |
| 11.4291748  | PLDW M24  | 4       | M24    | 40   | 66   | 82   | 17   | 63   | 40   | 300      | 1.5       |
| 11.4291749  | PLDW M30  | 6.7     | M30    | 50   | 70   | 92   | 23   | 72   | 40   | 300      | 2.6       |
| 11.4291750  | PLDW M36  | 8       | M36    | 50   | 91   | 120  | 23   | 92   | 55   | 300      | 4.3       |
| 11.4291751  | PLDW M42  | 10      | M42    | 65   | 91   | 120  | 27   | 92   | 60   | 300      | 5.1       |
| 11.42321166 | PLDW M45  | 12      | M45    | 65   | 91   | 120  | 27   | 92   | 68   | -        | 5.2       |
| 11.4291752  | PLDW M48  | 12.5    | M48    | 65   | 116  | 120  | 27   | 92   | 68   | 300      | 5.4       |
| 11.4232170  | PLDW M56  | 24      | M56    | 70   | 105  | 154  | 33   | 110  | 84   | 300      | 10.5      |
| 11.4232173  | PLDW M64  | 25      | M64    | 70   | 105  | 154  | 33   | 110  | 96   | 300      | 11.3      |
| 11.4274701  | PLDW M72  | 40      | M72    | 90   | 130  | 213  | 45   | 170  | 110  | 500      | 29        |
| 11.4274726  | PLDW M80  | 45      | M80    | 90   | 130  | 213  | 45   | 38   | 120  | 500      | 30        |
| 11.4203627  | PLDW M90  | 55      | M90    | 90   | 130  | 213  | 45   | 170  | 135  | 500      | 32        |
| 11.4203633  | PLDW M100 | 55      | M100   | 90   | 130  | 213  | 45   | 170  | 150  | 500      | 35        |

## Technical data



| Method of lifting    |        |                  |               |     |     |      |        |         |        |         |        |        |    |
|----------------------|--------|------------------|---------------|-----|-----|------|--------|---------|--------|---------|--------|--------|----|
| 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 | Fastening torque | Load capacity |     |     |      |        |         |        |         |        |        | mm |
|                      |        |                  | tons          |     |     |      |        |         |        |         |        |        |    |
| PLDW M8              | M8     | 10               | 0,6           | 0,3 | 1,2 | 0,6  | 0,4    | 0,3     | 0,6    | 0,4     | 0,3    | 0,3    | 34 |
| PLDW M10             | M10    | 10               | 1             | 0,5 | 2   | 1    | 0,7    | 0,5     | 1      | 0,75    | 0,5    | 0,5    | 34 |
| PLDW M12             | M12    | 15               | 1,4           | 0,7 | 2,8 | 1,4  | 0,95   | 0,7     | 1,4    | 1       | 0,7    | 0,7    | 34 |
| PLDW M14             | M14    | 25               | 2             | 1   | 4   | 2    | 1,4    | 1       | 2,1    | 1,5     | 1      | 1      | 34 |
| PLDW M16             | M16    | 30               | 2,8           | 1,5 | 5,6 | 3    | 2,1    | 1,5     | 3,1    | 2,1     | 1,5    | 1,5    | 34 |
| PLDW M20             | M20    | 80               | 5             | 2,5 | 10  | 5    | 3,5    | 2,5     | 5,3    | 3,5     | 2,5    | 2,5    | 46 |
| PLDW M24             | M24    | 150              | 7             | 4   | 14  | 8    | 5,5    | 4       | 8,4    | 6       | 4      | 4      | 50 |
| PLDW M30             | M30    | 230              | 10            | 6,7 | 20  | 13.4 | 9,4    | 6,7     | 14,2   | 10      | 6,7    | 6,7    | 60 |
| PLDW M36             | M36    | 450              | 12,5          | 8   | 25  | 16   | 11,2   | 8       | 16,8   | 12      | 8      | 8      | 75 |
| PLDW M42             | M42    | 600              | 16            | 10  | 32  | 20   | 14     | 10      | 21     | 15      | 10     | 10     | 75 |
| PLDW M48             | M48    | 800              | 20            | 12  | 40  | 24   | 17,6   | 12      | 25,2   | 18      | 12     | 12     | 75 |

|             |     |      |    |      |     |    |      |      |      |      |      |      |     |
|-------------|-----|------|----|------|-----|----|------|------|------|------|------|------|-----|
| M45         | M45 | 600  | 16 | 12   | 32  | 24 | 16,9 | 12   | 25,4 | 18   | 12   | 12   | 75  |
| PLDW<br>M48 | M48 | 600  | 16 | 12,5 | 32  | 25 | 17,5 | 12,5 | 26,2 | 18   | 12,5 | 12,5 | 75  |
| PLDW<br>M56 | M56 | 800  | 28 | 24   | 56  | 48 | 33,9 | 24   | 50,9 | 36   | 24   | 24   | 95  |
| PLDW<br>M64 | M64 | 800  | 28 | 25   | 56  | 50 | 35,3 | 25   | 53   | 37,5 | 25   | 25   | 95  |
| PLDW<br>M72 | M72 | 1200 | 60 | 40   | 120 | 80 | 56,5 | 40   | 84,8 | 60   | 40   | 40   | 145 |
| PLDW<br>M80 | M80 | 1400 | 60 | 45   | 120 | 90 | 63,6 | 45   | 95,4 | 67,5 | 45   | 45   | 145 |

## Blueprint

