



## 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

**Marking:** According to standard, CE-marked, WLL, thread size and an individual serial number.

**Standard:** EN 1677-1

*except grade/WLL*

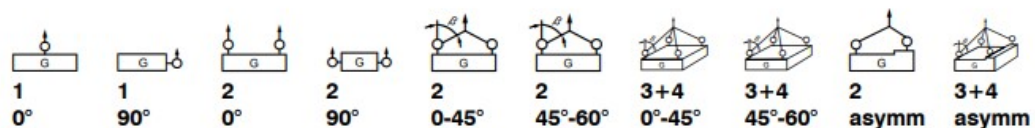
**Note:** Also available in special length (SL) and maximum length (MAXL) as well.

**Safety factor:** 4:1

| Part code | Code      | WLL ton | Thread | a mm | b mm | c mm | d mm | e mm | n mm | n max mm | Weight kg |
|-----------|-----------|---------|--------|------|------|------|------|------|------|----------|-----------|
| 421591742 | PLDW M8   | 0.3     | M8     | 30   | 38   | 54   | 13   | 38   | 20   | 100      | 0.47      |
| 421591743 | PLDW M10  | 0.5     | M10    | 30   | 38   | 54   | 13   | 38   | 20   | 180      | 0.47      |
| 421591744 | PLDW M12  | 0.7     | M12    | 35   | 48   | 54   | 13   | 38   | 22   | 200      | 0.47      |
| 421591745 | PLDW M14  | 1       | M14    | 35   | 48   | 54   | 13   | 38   | 22   | 200      | 0.47      |
| 421591746 | PLDW M16  | 1.5     | M16    | 35   | 48   | 54   | 13   | 38   | 33   | 250      | 0.49      |
| 421591747 | PLDW M20  | 2.5     | M20    | 35   | 55   | 75   | 16   | 55   | 33   | 250      | 1.1       |
| 421591748 | PLDW M24  | 4       | M24    | 40   | 66   | 82   | 17   | 63   | 40   | 300      | 1.5       |
| 421526827 | PLDW M30  | 6.7     | M30    | 50   | 70   | 92   | 23   | 72   | 40   | 300      | 2.6       |
| 421591750 | PLDW M36  | 8       | M36    | 50   | 91   | 120  | 23   | 92   | 55   | 300      | 4.3       |
| 421591751 | PLDW M42  | 10      | M42    | 65   | 91   | 120  | 27   | 92   | 60   | 300      | 5.1       |
| 421532166 | PLDW M45  | 12      | M45    | 65   | 91   | 120  | 27   | 92   | 68   | -        | 5.2       |
| 421591752 | PLDW M48  | 13      | M48    | 65   | 116  | 120  | 27   | 92   | 68   | 300      | 5.4       |
| 421532170 | PLDW M56  | 24      | M56    | 70   | 105  | 154  | 33   | 110  | 84   | 300      | 10.5      |
| 421532173 | PLDW M64  | 25      | M64    | 70   | 105  | 154  | 33   | 110  | 96   | 300      | 11.3      |
| 421574701 | PLDW M72  | 40      | M72    | 90   | 130  | 213  | 45   | 170  | 110  | 500      | 29        |
| 421574726 | PLDW M80  | 45      | M80    | 90   | 130  | 213  | 45   | 38   | 120  | 500      | 30        |
| 42153627  | PLDW M90  | 55      | M90    | 90   | 130  | 213  | 45   | 170  | 135  | 500      | 32        |
| 42153633  | PLDW M100 | 55      | M100   | 90   | 130  | 213  | 45   | 170  | 150  | 500      | 35        |

## Technical data

Lashing type  
Number of legs  
Angle of inclination



| Code       | Thread [mm] | Torque [Nm] | Working load limit [kg] |        |         |         |        |        |         |        |        |        |
|------------|-------------|-------------|-------------------------|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| PLDW 0,3 t | M8          | 10          | 600                     | 300    | 1.200   | 600     | 400    | 300    | 600     | 400    | 300    | 300    |
| PLDW 0,5 t | M10         | 10          | 1.200                   | 500    | 2.400   | 1.000   | 700    | 500    | 1.000   | 750    | 500    | 500    |
| PLDW 0,7 t | M12         | 15          | 1.800                   | 700    | 3.600   | 1.400   | 950    | 700    | 1.400   | 1.000  | 700    | 700    |
| PLDW 1 t * | M14         | 25          | 2.400                   | 1.000  | 4.800   | 2.000   | 1.400  | 1.000  | 2.100   | 1.500  | 1.000  | 1.000  |
| PLDW 1,5 t | M16         | 30          | 2.800                   | 1.500  | 5.600   | 3.000   | 2.100  | 1.500  | 3.100   | 2.200  | 1.500  | 1.500  |
| PLDW 2,5 t | M20         | 80          | 5.000                   | 2.500  | 10.000  | 5.000   | 3.500  | 2.500  | 5.300   | 3.500  | 2.500  | 2.500  |
| PLDW 4 t   | M24         | 150         | 7.000                   | 4.000  | 14.000  | 8.000   | 5.500  | 4.000  | 8.400   | 6.000  | 4.000  | 4.000  |
| PLDW 5,3 t | M30         | 230         | 7.000                   | 5.300  | 14.000  | 10.600  | 7.400  | 5.300  | 11.200  | 7.900  | 5.300  | 5.300  |
| PLDW 6,7 t | M30         | 230         | 10.000                  | 6.700  | 20.000  | 13.400  | 9.400  | 6.700  | 14.200  | 10.000 | 6.700  | 6.700  |
| PLDW 8 t   | M36         | 450         | 12.500                  | 8.000  | 25.000  | 16.000  | 11.200 | 8.000  | 16.800  | 12.000 | 8.000  | 8.000  |
| PLDW 10 t  | M42         | 600         | 16.000                  | 10.000 | 32.000  | 20.000  | 14.000 | 10.000 | 21.000  | 15.000 | 10.000 | 10.000 |
| PLDW 12 t  | M45         | 600         | 16.000                  | 12.000 | 32.000  | 24.000  | 16.900 | 12.000 | 25.400  | 18.000 | 12.000 | 12.000 |
| PLDW 13 t  | M48         | 600         | 16.000                  | 13.000 | 32.000  | 26.000  | 18.300 | 13.000 | 27.500  | 19.500 | 13.000 | 13.000 |
| PLDW 13 t  | M52         | 600         | 16.000                  | 13.000 | 32.000  | 26.000  | 18.300 | 13.000 | 27.500  | 19.500 | 13.000 | 13.000 |
| PLDW 24 t  | M56         | 800         | 28.000                  | 24.000 | 56.000  | 48.000  | 33.900 | 24.000 | 50.900  | 36.000 | 24.000 | 24.000 |
| PLDW 25 t  | M64         | 800         | 28.000                  | 25.000 | 56.000  | 50.000  | 35.300 | 25.000 | 53.000  | 37.500 | 25.000 | 25.000 |
| PLDW 40 t  | M72         | 1.200       | 60.000                  | 40.000 | 120.000 | 80.000  | 56.500 | 40.000 | 84.800  | 60.000 | 40.000 | 40.000 |
| PLDW 45 t  | M80         | 1.400       | 60.000                  | 45.000 | 120.000 | 90.000  | 63.600 | 45.000 | 95.400  | 67.500 | 45.000 | 45.000 |
| PLDW 55 t  | M90         | 1.500       | 60.000                  | 55.000 | 120.000 | 110.000 | 77.700 | 55.000 | 116.600 | 82.500 | 55.000 | 55.000 |
| PLDW 55 t  | M100        | 1.600       | 60.000                  | 55.000 | 120.000 | 110.000 | 77.700 | 55.000 | 116.600 | 82.500 | 55.000 | 55.000 |

\* Custom designs available upon request only

# Blueprint

