



## Webbing Sling - Powertex - Recycled Polyester

### Product information



Powertex Webbing sling with eyes PWE are made from high-strength **recycled** polyester (r-PET) yarn having folded and reinforced eyes as standard. Because it is made from r-PET yarn, **this product has up to 60% CO2 reduction\*** compared to the standard PWE webbing sling.

Because of this sustainability enhancement, this product is approved to be part of Lifting Solution Group's [Aspire range™](#). In November 2023, this product won the prestigious LEEA Sustainable Award.

**Sustainability Fact Sheet Available** (see tab documents drop-down menu)

The PWE r-PET slings are color coded for quick and easy identification of the Working Load Limit.

- Safe – All Powertex PWE r-PET slings are made from high-strength recycled polyester and tested in accordance with EN 1492-1
- Flat woven, double-lay webbing made in solid weaving
- Eyes are folded and equipped with additional wear protection
- Each sling carry a blue label giving the correct WLL for different load connection methods and angles
- Each sling is marked with a unique serial number for safe sling registration
- Year/Month calendar printed on the label where the next inspection date can be marked or punched
- Printing on the blue label is protected by an additional transparent plastic layer for long life
- All slings carry a white label showing a pictogram with important user warning instructions
- QR code for on-site access to Multilanguage user manuals
- Test certificate and Declaration of Conformity enclosed with each sling

**Chemical resistance:** Resistant to most acids, but not strong alkalizes.

**Stretch at working load:** 2-3%.

**Length tolerance:** Nominal length (EWL)  $\pm 2\%$ .

\*A 3rd party climate LCA with a cradle-to-gate perspective according to ISO14067 has shown that our r-PET webbing slings have up to 60% fewer CO2 emissions than our standard product. This means that our products are not only better for the environment but also make a positive contribution to reducing CO2 emissions.

**Comment for 1t webbing slings:** We are currently changing the webbing width from 50 to 30 mm. During the transition phase, we will supply 1t webbing slings with either 50 mm or 30 mm webbing.

**Material:** Polyester (PES), high tenacity multifilament made from r-PET (recycled PET).

**Marking:** According to standard, CE-marked, UKCA-marked, The slings are provided with a blue label and a white warning label with Aspire range information on the back side.

**Temperature range:** -40°C up to +100°C

**Standard:** EN 1492-1

**Note:** According to EN 1492-1:2000+A1:2008: D.3.7: Slings should be protected from edges, friction and abrasion, whether from the load or the lifting appliance. Where reinforcements and protection against damage from edges and/or abrasion is supplied as part of the sling, this should be correctly positioned. It may be necessary to supplement this with additional protection.

**Safety factor:** 7:1

| Part code       | WLL<br>ton | EWL<br>m | Webbing width<br>mm | Colour | Weight<br>kg | CO <sub>2</sub> e<br>kg |
|-----------------|------------|----------|---------------------|--------|--------------|-------------------------|
| 341100100100430 | 1          | 1        | 50                  | violet | 0.25         | 0.44                    |
| 341100100200430 | 1          | 2        | 50                  | violet | 0.4          | 0.36                    |
| 341100100300430 | 1          | 3        | 50                  | violet | 0.6          | 1                       |
| 341100100400430 | 1          | 4        | 50                  | violet | 0.7          | 1.2                     |
| 341100100600430 | 1          | 6        | 50                  | violet | 1.25         | 2                       |
| 341100200100430 | 2          | 1        | 60                  | Green  | 0.45         | 0.77                    |
| 341100200200430 | 2          | 2        | 60                  | Green  | 0.7          | 1.2                     |
| 341100200300430 | 2          | 3        | 60                  | Green  | 1.1          | 1.81                    |
| 341100200400430 | 2          | 4        | 60                  | Green  | 1.55         | 2.48                    |
| 341100200600430 | 2          | 6        | 60                  | Green  | 2.25         | 3.61                    |
| 341100300100430 | 3          | 1        | 90                  | Yellow | 0.75         | 1.27                    |
| 341100300200430 | 3          | 2        | 90                  | Yellow | 1.1          | 1.91                    |
| 341100300300430 | 3          | 3        | 90                  | Yellow | 1.6          | 2.72                    |
| 341100300400430 | 3          | 4        | 90                  | Yellow | 2.35         | 3.82                    |
| 341100300600430 | 3          | 6        | 90                  | Yellow | 3            | 5.16                    |