

## R-QCP Chipboard Screw

Hardened screws for new generation wood composites and timber



### Product information

#### Features and benefits

- Thread geometry allowing application in all wood materials
- The optimised head geometry with underhead cutting ribs also affords an exact and splinter-free surface finish even with connections close to the edge
- The double cone head allows flush fixing of the screw

#### Applications

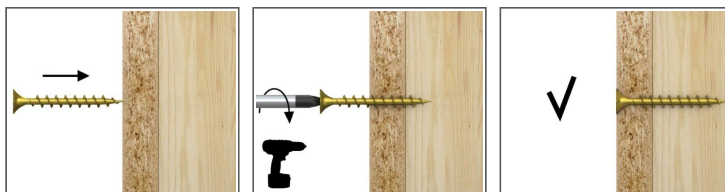
- Chipboards
- Plywood
- Wooden fences
- Wooden elements
- General wood joints
- Skirting

#### Base materials

##### Approved for use in:

- Chipboard
- Oriented Strand Board
- Wood

### Installation guide



1. Drive the screw straight until the head is flush
2. Screws with partial thread can clamp wooden parts avoiding spaces between them
3. Full-thread screws are recommended for fastening thin parts and in less firm wood materials (e.g. soft woods)
4. Screws with countersunk head allow flush connection

## Product information

| Size | Product Code | Screw    |        |        |        |
|------|--------------|----------|--------|--------|--------|
|      |              | Diameter | Length | Recess | Length |
|      |              | d        | L      | -      | L1     |
|      |              | [mm]     | [mm]   | -      | [mm]   |
| Ø3   | R-QCP-3016   | 3        | 16     | PZ1    | -      |
|      | R-QCP-3020   | 3        | 20     | PZ1    | -      |
|      | R-QCP-3025   | 3        | 25     | PZ1    | -      |
| Ø3,5 | R-QCP-3516   | 3.5      | 16     | PZ2    | -      |
|      | R-QCP-3520   | 3.5      | 20     | PZ2    | -      |
|      | R-QCP-3525   | 3.5      | 25     | PZ2    | -      |
|      | R-QCP-3530   | 3.5      | 30     | PZ2    | -      |
|      | R-QCP-3540   | 3.5      | 40     | PZ2    | -      |
|      | R-QCP-3550   | 3.5      | 50     | PZ2    | -      |
| Ø4   | R-QCP-4016   | 4        | 16     | PZ2    | -      |
|      | R-QCP-4020   | 4        | 20     | PZ2    | -      |
|      | R-QCP-4025   | 4        | 25     | PZ2    | -      |
|      | R-QCP-4030   | 4        | 30     | PZ2    | -      |
|      | R-QCP-4040   | 4        | 40     | PZ2    | -      |
|      | R-QCP-4050   | 4        | 50     | PZ2    | -      |
|      | R-QCP-4060   | 4        | 60     | PZ2    | 36     |
|      | R-QCP-4070   | 4        | 70     | PZ2    | 42     |
| Ø4,5 | R-QCP-4530   | 4.5      | 30     | PZ2    | -      |
|      | R-QCP-4540   | 4.5      | 40     | PZ2    | -      |
|      | R-QCP-4550   | 4.5      | 50     | PZ2    | -      |
|      | R-QCP-4560   | 4.5      | 60     | PZ2    | 36     |
| Ø5   | R-QCP-5025   | 5        | 25     | PZ2    | -      |
|      | R-QCP-5030   | 5        | 30     | PZ2    | -      |
|      | R-QCP-5040   | 5        | 40     | PZ2    | -      |
|      | R-QCP-5050   | 5        | 50     | PZ2    | -      |
|      | R-QCP-5060   | 5        | 60     | PZ2    | 36     |
|      | R-QCP-5070   | 5        | 70     | PZ2    | 42     |
|      | R-QCP-5080   | 5        | 80     | PZ2    | 48     |
|      | R-QCP-5100   | 5        | 100    | PZ2    | 60     |
| Ø6   | R-QCP-6030   | 6        | 30     | PZ3    | -      |
|      | R-QCP-6040   | 6        | 40     | PZ3    | -      |
|      | R-QCP-6050   | 6        | 50     | PZ3    | -      |
|      | R-QCP-6060   | 6        | 60     | PZ3    | 36     |
|      | R-QCP-6070   | 6        | 70     | PZ3    | 42     |
|      | R-QCP-6080   | 6        | 80     | PZ3    | 48     |
|      | R-QCP-6100   | 6        | 100    | PZ3    | 60     |
|      | R-QCP-6130   | 6        | 130    | PZ3    | 72     |
|      | R-QCP-6150   | 6        | 150    | PZ3    | 72     |

## Installation data

| Size                     |           |      | Ø3     | Ø3.5   | Ø4     | Ø4.5   | Ø5     | Ø6     |
|--------------------------|-----------|------|--------|--------|--------|--------|--------|--------|
| Substrate                |           |      | Timber | Timber | Timber | Timber | Timber | Timber |
| Min. installation depth  | $h_{nom}$ | [mm] | 12     | 14     | 16     | 18     | 20     | 24     |
| Min. substrate thickness | $h_{min}$ | [mm] | 24     | 28     | 32     | 36     | 40     | 48     |
| Min. spacing             | $s_{min}$ | [mm] | 30     | 30     | 30     | 30     | 30     | 30     |
| Min. edge distance       | $c_{min}$ | [mm] | 30     | 30     | 30     | 30     | 30     | 30     |

## Product commercial data

| Product Code | Screw       |    | Quantity [pcs] |         |          | Weight [kg] |       |        | Bar Codes     |
|--------------|-------------|----|----------------|---------|----------|-------------|-------|--------|---------------|
|              | Length [mm] |    | Box            | Outer   | Pallet   | Box         | Outer | Pallet |               |
| R-QCP-3016   | 16          |    | 200.0          | 12800.0 | 409600.0 | 0.12        | 7.4   | 267.6  | 5010445007576 |
| R-QCP-3020   | 20          |    | 200.0          | 12800.0 | 409600.0 | 0.15        | 9.3   | 329.0  | 5010445007583 |
| R-QCP-3025   | 25          |    | 200.0          | 12800.0 | 409600.0 | 0.17        | 11.1  | 386.4  | 5010445007590 |
| R-QCP-3516   | 16          |    | 200.0          | 12800.0 | 409600.0 | 0.15        | 9.9   | 345.4  | 5010445007606 |
| R-QCP-3520   | 20          |    | 200.0          | 12800.0 | 409600.0 | 0.19        | 12.2  | 419.1  | 5010445007613 |
| R-QCP-3525   | 25          |    | 200.0          | 12800.0 | 409600.0 | 0.23        | 14.6  | 496.9  | 5010445007620 |
| R-QCP-3530   | 30          |    | 200.0          | 6400.0  | 204800.0 | 0.26        | 8.5   | 300.3  | 5010445007637 |
| R-QCP-3540   | 40          |    | 200.0          | 200.0   | 50000.0  | 0.34        | 0.34  | 114.5  | 5010445007644 |
| R-QCP-3550   | 50          |    | 200.0          | 12800.0 | 204800.0 | 0.29        | 18.4  | 324.9  | 5010445007651 |
| R-QCP-4016   | 16          |    | 200.0          | 12800.0 | 409600.0 | 0.21        | 13.3  | 456.0  | 5010445007668 |
| R-QCP-4020   | 20          |    | 200.0          | 12800.0 | 409600.0 | 0.26        | 16.4  | 554.3  | 5010445007675 |
| R-QCP-4025   | 25          |    | 200.0          | 12800.0 | 409600.0 | 0.29        | 18.4  | 619.8  | 5010445007682 |
| R-QCP-4030   | 30          |    | 200.0          | 200.0   | 50000.0  | 0.34        | 0.34  | 114.5  | 5010445007699 |
| R-QCP-4040   | 40          |    | 200.0          | 200.0   | 50000.0  | 0.43        | 0.43  | 137.5  | 5010445007705 |
| R-QCP-4050   | 50          |    | 200.0          | 6400.0  | 204800.0 | 0.52        | 16.6  | 562.5  | 5010445007712 |
| R-QCP-4060   | 60          | 36 | 200.0          | 6400.0  | 204800.0 | 0.61        | 19.6  | 656.7  | 5010445007729 |
| R-QCP-4070   | 70          | 42 | 200.0          | 4800.0  | 153600.0 | 0.74        | 17.8  | 598.3  | 5010445007736 |
| R-QCP-4080   | 80          | 48 | 200.0          | 4800.0  | 153600.0 | 0.84        | 20.2  | 675.1  | 5010445007743 |
| R-QCP-4530   | 30          |    | 200.0          | 6400.0  | 204800.0 | 0.46        | 14.6  | 496.9  | 5010445007750 |
| R-QCP-4540   | 40          |    | 200.0          | 6400.0  | 204800.0 | 0.55        | 17.6  | 593.2  | 5010445007767 |
| R-QCP-4550   | 50          |    | 200.0          | 6400.0  | 204800.0 | 0.70        | 22.4  | 746.8  | 5010445007774 |
| R-QCP-4560   | 60          | 36 | 200.0          | 4800.0  | 153600.0 | 0.82        | 19.7  | 661.3  | 5010445007781 |
| R-QCP-5025   | 25          |    | 200.0          | 6400.0  | 204800.0 | 0.48        | 15.5  | 525.6  | 5010445007798 |
| R-QCP-5030   | 30          |    | 200.0          | 6400.0  | 204800.0 | 0.56        | 17.9  | 601.4  | 5010445007804 |
| R-QCP-5040   | 40          |    | 200.0          | 200.0   | 50000.0  | 0.71        | 0.71  | 206.5  | 5010445007811 |
| R-QCP-5050   | 50          |    | 200.0          | 4800.0  | 153600.0 | 0.84        | 20.1  | 672.0  | 5010445007828 |
| R-QCP-5060   | 60          | 36 | 200.0          | 4800.0  | 153600.0 | 0.98        | 23.6  | 785.7  | 5010445007835 |
| R-QCP-5070   | 70          | 42 | 200.0          | 2400.0  | 76800.0  | 1.16        | 13.9  | 473.9  | 5010445007842 |
| R-QCP-5080   | 80          | 48 | 200.0          | 2400.0  | 76800.0  | 1.29        | 15.5  | 525.4  | 5010445007859 |
| R-QCP-5100   | 100         | 60 | 200.0          | 2400.0  | 76800.0  | 1.58        | 19.0  | 638.3  | 5010445007866 |
| R-QCP-6030   | 30          |    | 200.0          | 6400.0  | 204800.0 | 0.83        | 26.6  | 879.9  | 5010445007873 |
| R-QCP-6040   | 40          |    | 200.0          | 4800.0  | 153600.0 | 1.04        | 25.0  | 828.7  | 5010445007880 |
| R-QCP-6050   | 50          |    | 200.0          | 3200.0  | 102400.0 | 1.28        | 20.5  | 686.4  | 5010445007897 |
| R-QCP-6060   | 60          | 36 | 200.0          | 3200.0  | 102400.0 | 1.48        | 23.7  | 787.8  | 5010445007903 |
| R-QCP-6070   | 70          | 42 | 200.0          | 2400.0  | 76800.0  | 1.68        | 20.2  | 675.1  | 5010445007910 |
| R-QCP-6080   | 80          | 48 | 200.0          | 2400.0  | 76800.0  | 1.93        | 23.1  | 769.6  | 5010445007927 |
| R-QCP-6100   | 100         | 60 | 200.0          | 2400.0  | 76800.0  | 2.3         | 28.1  | 930.1  | 5010445007934 |
| R-QCP-6130   | 130         | 72 | 100.0          | 1200.0  | 38400.0  | 1.54        | 18.5  | 622.9  | 5010445007941 |
| R-QCP-6150   | 150         | 72 | 100.0          | 1200.0  | 38400.0  | 1.71        | 20.5  | 686.6  | 5010445007958 |