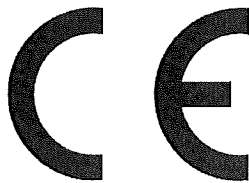


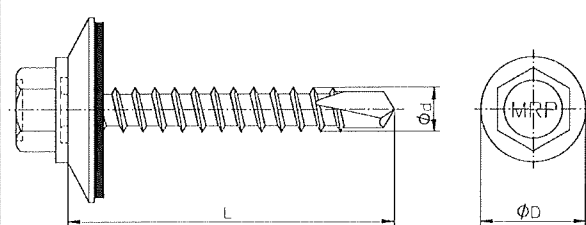
## DECLARATION of PERFORMANCE

No 01/WSPST/0371/2025



1. *Unique identification code of the product-type:* **WSPST (marked MRP)**
2. *Intended use:* **WSPST self-drilling screws are intended to be used for fastening steel sheeting to metal and timber supporting structures.**
3. *Name, registered trade name or registered trade mark and contact address of the manufacturer:* **Marcopol Sp. z o.o. Producer of Bolts str. Oliwska 100, 80-209 Chwaszczyno Poland**
4. *System or systems of assessment and verification of constancy of performance of the construction product:* **System "2+" of assessment**
5. *European Technical Assessment:* **ETA 18/0371 issued 05.10.2023**  
*Technical Assessment Body:* **Technický a zkušební ústav stavební Praha, s.p.**  
*Notified Body:* **Number: 1020 - Technický a zkušební ústav stavební Praha, s.p.**  
*Certificate FPC:* **1022-CPR-070060127**
6. *Declared performance:*

|                                                       | Essential characteristics                                                       | Performance                                | Technical specification |
|-------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------|-------------------------|
| <b>3.1 BWR 1: Mechanical resistance and stability</b> |                                                                                 |                                            |                         |
| 3.1.1                                                 | Characteristic Shear Resistance of the Connection                               | See Table 1, 2, 3 below                    | ETA 18/0371             |
| 3.1.2                                                 | Characteristic Tension Resistance of the Connection                             | See Table 1,2,3 below                      | ETA 18/0371             |
| 3.1.3                                                 | Design Resistance in case of combined Tension and Shear Forces (interaction)    | No Performance Assessed                    | ETA 18/0371             |
| 3.1.4                                                 | Check of Deformation Capacity in case of constraining forces due to temperature | No Performance Assessed                    | ETA 18/0371             |
| 3.1.5                                                 | Durability                                                                      |                                            |                         |
|                                                       | Zinc coating                                                                    | min. 8 microns                             | ETA 18/0371             |
| <b>3.2 BWR 2: Safety in case of fire</b>              |                                                                                 |                                            |                         |
| 3.2.1                                                 | Reaction to fire                                                                | The performance of the product is class A1 | EN 13501-1              |

|                                                                                   |                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Materials</b><br>Fastener: carbon steel – SAE1022<br>quenched, tempered and galvanized ( $\geq 8\mu\text{m}$ ) Washer:<br>EPDM sealing ring with metal top<br>made of coated carbon steel<br>Component I: S280GD, S320GD or S350GD – EN 10346<br>Component II: S235 – EN 10025-1 |
|                                                                                   | Drilling capacity: $\Sigma(t_{N2} + t_H) \leq 5,50 \text{ mm}$                                                                                                                                                                                                                      |
|                                                                                   | <b>Timber substructures</b><br>no performance determined                                                                                                                                                                                                                            |

| $t_{N,II} [\text{mm}]$                          | 1,00 | 1,25 | 1,50 | 2,00 | 3,00 | Wood<br>class $\geq \text{C24}$ |   |                                                                            |
|-------------------------------------------------|------|------|------|------|------|---------------------------------|---|----------------------------------------------------------------------------|
| $M_{t, \text{nom}}$                             | 3 Nm |      |      |      |      | —                               | — |                                                                            |
| $V_{R,k} [\text{kN}]$ for $t_{N,I} [\text{mm}]$ |      |      |      |      |      |                                 |   | *bearing resistance of component I<br>**bearing resistance of component II |
| 0,50                                            | —    | —    | —    | —    | —    | —                               | — |                                                                            |
| 0,55                                            | —    | —    | —    | —    | —    | —                               | — |                                                                            |
| 0,63                                            | —    | —    | —    | —    | —    | —                               | — |                                                                            |
| 0,75                                            | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | —                               | — |                                                                            |
| 0,88                                            | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | —                               | — |                                                                            |
| 1,00                                            | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | —                               | — |                                                                            |
| 1,13                                            | —    | 1,21 | 1,21 | 1,21 | 1,21 | —                               | — |                                                                            |
| 1,25                                            | —    | 1,21 | 1,21 | 1,21 | 1,21 | —                               | — |                                                                            |
| 1,50                                            | —    | —    | 1,21 | 1,21 | 1,21 | —                               | — |                                                                            |
| 1,75                                            | —    | —    | —    | 1,21 | 1,21 | —                               | — |                                                                            |
| 2,00                                            | —    | —    | —    | 1,21 | 1,21 | —                               | — |                                                                            |
| 2,50                                            | —    | —    | —    | 1,21 | 1,21 | —                               | — |                                                                            |
| $N_{R,k} [\text{kN}]$ for $t_{N,I} [\text{mm}]$ |      |      |      |      |      |                                 |   | *bearing resistance of component II<br>**bearing resistance of component I |
| 0,50                                            | —    | —    | —    | —    | —    | —                               | — |                                                                            |
| 0,55                                            | —    | —    | —    | —    | —    | —                               | — |                                                                            |
| 0,63                                            | —    | —    | —    | —    | —    | —                               | — |                                                                            |
| 0,75                                            | 2,38 | 2,56 | 2,70 | 3,51 | 3,51 | —                               | — |                                                                            |
| 0,88                                            | 2,38 | 2,56 | 2,70 | 3,51 | 3,51 | —                               | — |                                                                            |
| 1,00                                            | 2,38 | 2,56 | 2,70 | 3,51 | 3,51 | —                               | — |                                                                            |
| 1,13                                            | —    | 2,56 | 2,70 | 3,51 | 3,51 | —                               | — |                                                                            |
| 1,25                                            | —    | 2,56 | 2,70 | 3,51 | 3,51 | —                               | — |                                                                            |
| 1,50                                            | —    | —    | 2,70 | 3,51 | 3,51 | —                               | — |                                                                            |
| 1,75                                            | —    | —    | —    | 3,51 | 3,51 | —                               | — |                                                                            |
| 2,00                                            | —    | —    | —    | 3,51 | 3,51 | —                               | — |                                                                            |
| 2,50                                            | —    | —    | —    | —    | 3,51 | —                               | — |                                                                            |

If both components I and II are made of S320GD the values  $V_{R,k}$  may be increased by 8,3%

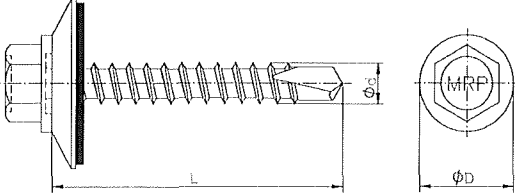
If both components I and II are made of S350GD the values  $V_{R,k}$  may be increased by 16,6%

## WSPST fastening screws for metal members and sheeting

WSPST 4,8 × L

with hexagon head and sealing washer  $\phi 14$   
with metal top made of coated carbon steel

Table 1

|                                                                                   |                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><u>Materials</u><br/>Fastener: carbon steel – SAE1022<br/>quenched, tempered and galvanized (<math>\geq 8\mu\text{m}</math>) Washer: EPDM sealing ring with metal top made of coated carbon steel</p> <p>Component I: S280GD, S320GD or S350GD – EN 10346<br/>Component II: S235 – EN 10025-1</p> |
|                                                                                   | <p>Drilling capacity: <math>\Sigma(t_{N2} + t_H) \leq 7,50 \text{ mm}</math></p>                                                                                                                                                                                                                     |
|                                                                                   | <p><u>Timber substructures</u><br/>no performance determined</p>                                                                                                                                                                                                                                     |

| $t_{N,II}$ [mm]                   | 3,00 | 4,00 | 5,00 | 6,00 | Wood class $\geq$ C24 |   |
|-----------------------------------|------|------|------|------|-----------------------|---|
| $M_{t,nom}$                       | 5 Nm |      |      |      | —                     |   |
| $V_{R,k}$ [kN] for $t_{N,I}$ [mm] | 0,50 | —    | —    | —    | —                     | — |
|                                   | 0,55 | —    | —    | —    | —                     | — |
|                                   | 0,63 | —    | —    | —    | —                     | — |
|                                   | 0,75 | 1,21 | 1,21 | 1,21 | —                     | — |
|                                   | 0,88 | 1,66 | 1,66 | 1,66 | —                     | — |
|                                   | 1,00 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 1,13 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 1,25 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 1,50 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 1,75 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 2,00 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 2,50 | 2,38 | 2,38 | 2,38 | —                     | — |
|                                   | 3,00 | 2,38 | 2,38 | —    | —                     | — |
| $N_{R,k}$ [kN] for $t_{N,I}$ [mm] | 0,50 | —    | —    | —    | —                     | — |
|                                   | 0,55 | —    | —    | —    | —                     | — |
|                                   | 0,63 | —    | —    | —    | —                     | — |
|                                   | 0,75 | 4,23 | 4,23 | 4,23 | —                     | — |
|                                   | 0,88 | 4,65 | 4,65 | 4,65 | —                     | — |
|                                   | 1,00 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 1,13 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 1,25 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 1,50 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 1,75 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 2,00 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 2,50 | 5,49 | 5,49 | 5,49 | —                     | — |
|                                   | 3,00 | 5,49 | 5,49 | —    | —                     | — |

If both components I and II are made of S320GD the values  $V_{R,k}$  may be increased by 8,3%

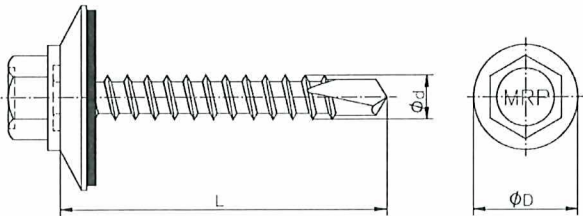
If both components I and II are made of S350GD the values  $V_{R,k}$  may be increased by 16,6%

## WSPST fastening screws for metal members and sheeting

WSPST 5,5 × L

with hexagon head and sealing washer  $\phi 16$   
with metal top made of coated carbon steel

Table 2

|                                                                                   |               |                                                                                                                                                                |
|-----------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Materials     |                                                                                                                                                                |
|                                                                                   | Fastener:     | carbon steel – SAE1022<br>quenched, tempered and galvanized ( $\geq 8\mu\text{m}$ ) Washer:<br>EPDM sealing ring with metal top<br>made of coated carbon steel |
|                                                                                   | Component I:  | S280GD, S320GD or S350GD – EN 10346                                                                                                                            |
|                                                                                   | Component II: | S235 – EN 10025-1                                                                                                                                              |
| Drilling capacity: $\Sigma(t_{N2} + t_{II}) \leq 8,50 \text{ mm}$                 |               |                                                                                                                                                                |
| Timber substructures<br>no performance determined                                 |               |                                                                                                                                                                |

| $t_{N,II} [\text{mm}]$                          | 3,00 | 4,00 | 5,00 | 6,00 | 7,00 | Wood<br>class $\geq \text{C24}$ |   |                                                                         |
|-------------------------------------------------|------|------|------|------|------|---------------------------------|---|-------------------------------------------------------------------------|
| $M_{t, \text{nom}}$                             | 6 Nm |      |      |      |      | —                               |   |                                                                         |
| $V_{R,k} [\text{kN}]$ for $t_{N,I} [\text{mm}]$ |      |      |      |      |      |                                 |   | *bearing resistance of component I **bearing resistance of component II |
| 0,50                                            | —    | —    | —    | —    | —    | —                               | — |                                                                         |
| 0,55                                            | —    | —    | —    | —    | —    | —                               | — |                                                                         |
| 0,63                                            | —    | —    | —    | —    | —    | —                               | — |                                                                         |
| 0,75                                            | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | —                               | — |                                                                         |
| 0,88                                            | 1,66 | 1,66 | 1,66 | 1,66 | 1,66 | —                               | — |                                                                         |
| 1,00                                            | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | —                               | — |                                                                         |
| 1,13                                            | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | —                               | — |                                                                         |
| 1,25                                            | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | —                               | — |                                                                         |
| 1,50                                            | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | —                               | — |                                                                         |
| 1,75                                            | 2,38 | 2,38 | 2,38 | 2,38 | —    | —                               | — |                                                                         |
| 2,00                                            | 2,38 | 2,38 | 2,38 | 2,38 | —    | —                               | — |                                                                         |
| 2,50                                            | 2,38 | 2,38 | 2,38 | 2,38 | —    | —                               | — |                                                                         |
| 3,00                                            | 2,38 | 2,38 | —    | —    | —    | —                               | — |                                                                         |
| $N_{R,k} [\text{kN}]$ for $t_{N,I} [\text{mm}]$ |      |      |      |      |      |                                 |   | *bearing resistance of component II **bearing resistance of component I |
| 0,50                                            | —    | —    | —    | —    | —    | —                               | — |                                                                         |
| 0,55                                            | —    | —    | —    | —    | —    | —                               | — |                                                                         |
| 0,63                                            | —    | —    | —    | —    | —    | —                               | — |                                                                         |
| 0,75                                            | 4,53 | 4,53 | 4,53 | 4,53 | 4,53 | —                               | — |                                                                         |
| 0,88                                            | 5,16 | 5,16 | 5,16 | 5,16 | 5,16 | —                               | — |                                                                         |
| 1,00                                            | 7,35 | 7,35 | 7,35 | 7,35 | 7,35 | —                               | — |                                                                         |
| 1,13                                            | 7,35 | 7,35 | 7,35 | 7,35 | 7,35 | —                               | — |                                                                         |
| 1,25                                            | 7,35 | 7,35 | 7,35 | 7,35 | 7,35 | —                               | — |                                                                         |
| 1,50                                            | 7,35 | 7,35 | 7,35 | 7,35 | 7,35 | —                               | — |                                                                         |
| 1,75                                            | 7,35 | 7,35 | 7,35 | 7,35 | —    | —                               | — |                                                                         |
| 2,00                                            | 7,35 | 7,35 | 7,35 | 7,35 | —    | —                               | — |                                                                         |
| 2,50                                            | 7,35 | 7,35 | 7,35 | 7,35 | —    | —                               | — |                                                                         |
| 3,00                                            | 7,35 | 7,35 | 7,35 | —    | —    | —                               | — |                                                                         |

If both components I and II are made of S320GD the values  $V_{R,k}$  may be increased by 8,3%

If both components I and II are made of S350GD the values  $V_{R,k}$  may be increased by 16,6%

### WSPST fastening screws for metal members and sheeting

WSPST 6,3 × L

with hexagon head and sealing washer  $\phi 19$   
with metal top made of coated carbon steel

Table 3

7. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Chwaszczyno, 20.05.2025

Signed by:

*Piotr Kociński*