





SELF-DRILLING METAL TILE SHEET SCREW DP1

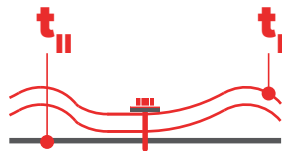
METAL SHEETS - STEEL ≤ 1,5 MM - GALVANISED

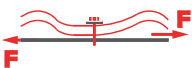
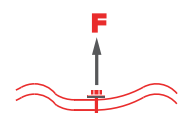
SELF-DRILLING METAL TILE SHEET SCREW 4,8 X L - DP1, WASHER DIAMETER Ø 19,0 MM

| Materials | |
|-------------------------|---|
| Screw | Galvanised steel |
| Washer | Galvanised steel |
| Material A (t_I) | S280GD, S320GD and S350GD conform EN 10346 |
| Material B (t_{II}) | S235 conform EN 10025-2, S280GD, S320GD and S350GD conform EN 10346 |
| Drilling capacity | Steel ≤ 1,5 mm |







| | t_{NI} [mm] | t_{II} [mm] | | | | | | | | | | |
|---|---------------|---------------|------|------|------|------|------|------|------|------|------|------|
| | | 0,40 | 0,50 | 0,55 | 0,63 | 0,75 | 0,88 | 1,00 | 1,13 | 1,25 | 1,50 | 2,00 |
|  $V_{R,k}$ [kN] | 0,40 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 | 0,78 |
| | 0,50 | 0,78 | 1,04 | 1,04 | 1,04 | 1,04 | 1,04 | 1,04 | 1,04 | 1,04 | 1,04 | 1,04 |
| | 0,55 | 0,78 | 1,04 | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 | 1,21 |
| | 0,63 | 0,78 | 1,04 | 1,21 | 1,48 | 1,48 | 1,48 | 1,48 | 1,48 | 1,48 | 1,48 | 1,48 |
| | 0,75 | 0,78 | 1,04 | 1,21 | 1,48 | 1,90 | 1,90 | 1,90 | 1,90 | 1,90 | 1,90 | 1,90 |
| | 0,88 | 0,78 | 1,04 | 1,21 | 1,48 | 1,90 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 |
| | 1,00 | 0,78 | 1,04 | 1,21 | 1,48 | 1,90 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 |
| | 1,13 | 0,78 | 1,04 | 1,21 | 1,48 | 1,90 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 |
| | 1,25 | 0,78 | 1,04 | 1,21 | 1,48 | 1,90 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 | 3,05 |
|  $N_{R,k}$ [kN] | 0,40 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,42 | 1,42 | 1,42 | 1,42 | |
| | 0,50 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,46 | |
| | 0,55 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,60 | |
| | 0,63 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,70 | |
| | 0,75 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,70 | |
| | 0,88 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,70 | |
| | 1,00 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,70 | |
| | 1,13 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,70 | |
| | 1,25 | 0,34 | 0,52 | 0,59 | 0,71 | 0,88 | 1,29 | 1,56 | 1,86 | 2,13 | 2,70 | |

Note

- Above mentioned values are characteristic values.
- To determine the design value we advise to apply a material factor of $\gamma_m = 1,33$.
- You can find further information and calculation examples on page 10.1.7.