



# SCR SELF DRILLING SCREWS

FIXING & SEALING

DEC also introduces an assortment of **SELF-DRILLING SCREWS** in order to process DEC products.

## CONSTRUCTION

The screws have been produced out of galvanized steel. The screw thread continues up to the head. The tail of the screw has been provided with a drill head. So pre-drilling is not necessary.

- Carbon steel
- Hardened
- Drill point
- Cr+3 Zinc plating (free of hexavalent chromium)

## Guidelines for installation:

- Self-drilling screws are designed to perform best when driven at 1800 to 2500 R.P.M.
- Overdriving may result in torsion failure of screws or strip out of the fastening grip.
- The screw must penetrate beyond the metal structure a minimum of 3 threads.

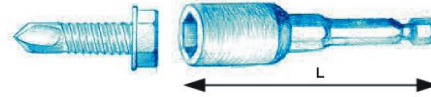
## SPECIFICATIONS

Article code: **SCR{size}** (1000 screws incl. 1 bit)

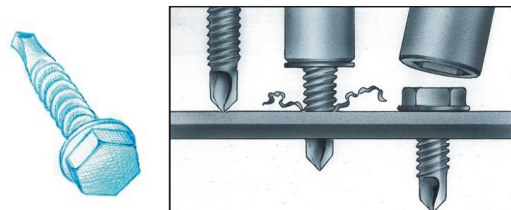
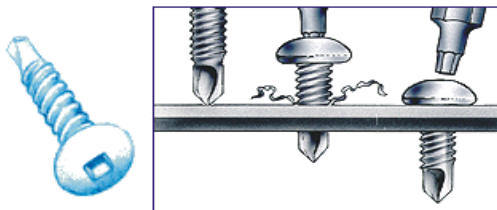


| Square washer head |               |                         |
|--------------------|---------------|-------------------------|
| Ordering code      | Sizes (mmxmm) | Max. thickness of plate |
| SCR3.5/13          | 3.5 x 13      | 2.5 mm                  |
| SCR3.5/9.5         | 3.5 x 9.5     | 2.5 mm                  |
| SCR4.2/16          | 4.2 x 16      | 2.5 mm                  |
| SCR4.2/19          | 4.2 x 19      | 2.5 mm                  |
| SCR4.2/25          | 4.2 x 25      | 2.5 mm                  |
| SCR4.2/40          | 4.2 x 40      | 2.5 mm                  |
| SCR4.2/50          | 4.2 x 50      | 2.5 mm                  |
| SCR4.8/16          | 4.8 x 16      | 4.5 mm                  |
| SCR4.8/19          | 4.8 x 19      | 4.5 mm                  |
| SCR4.8/25          | 4.8 x 25      | 4.5 mm                  |
| SCR.BIT1 (no.1)    | 3.5mm         | Irrelevant              |
| SCR.BIT (no.2)     | 4.2/4.8mm     | Irrelevant              |

Article code: **SCRDPM{size}** (1000 screws incl. 1 bit)



| Hexagonal washer head DIN 7504 K |               |                         |
|----------------------------------|---------------|-------------------------|
| Ordering code                    | Sizes (mmxmm) | Max. thickness of plate |
| SCRDPM4.2/13                     | 4.2 x 13      | 2.3 mm                  |
| SCRDPM4.2/16                     | 4.2 x 16      | 3.4 mm                  |
| SCRDPM4.2/19                     | 4.2 x 19      | 3.4 mm                  |
| SCRDPM4.8/16                     | 4.8 x 16      | 3.4 mm                  |
| SCRDPM4.8/19                     | 4.8 x 19      | 3.4 mm                  |
|                                  |               | <b>Length (L)</b>       |
| SCR.DPM.BIT7                     | 7 mm (4.2)    | 42/45mm                 |
| SCR.DPM.BIT8                     | 8 mm (4.8)    | 42/45mm                 |
| SCR.DPM.BITLONG7                 | 7 mm (4.2)    | 65mm                    |
| SCR.DPM.BITLONG8                 | 8 mm (4.8)    | 65mm                    |



## LIABILITY:

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## PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

## TRADEMARKS:

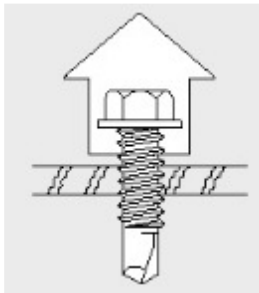
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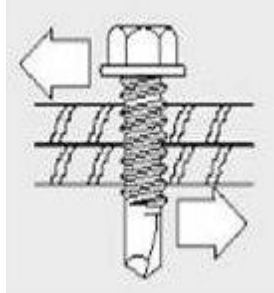


# SCR SELF DRILLING SCREWS

FIXING & SEALING



Pull-out



Shear

| Screw Dia. | Steel Sheet Thickness | Tension Pull-out | Shear (two sheets overlap) | Drill & Tapping capacity | Screw values |        |        |
|------------|-----------------------|------------------|----------------------------|--------------------------|--------------|--------|--------|
|            |                       |                  |                            |                          | Tensile      | Shear  | Torqu  |
| 3.5mm      | 0.9mm                 | 110 kg           | 320 kg                     | 0.80-2.50mm              | 5 kN         | 3.3 kN | 2.8 kN |
|            | 1.2mm                 | 170 kg           | 370 kg                     | 0.80-2.50mm              |              |        |        |
|            | 1.5mm                 | 210 kg           | 380 kg                     | 0.80-2.50mm              |              |        |        |
|            | 1.9mm                 | 380 kg           | 400 kg                     | 0.80-2.50mm              |              |        |        |
| 4.2mm      | 0.9mm                 | 120 kg           | 330 kg                     | 0.80-2.50mm              | 7 kN         | 4.4 kN | 4.7 kN |
|            | 1.2mm                 | 180 kg           | 390 kg                     | 0.80-2.50mm              |              |        |        |
|            | 1.5mm                 | 210 kg           | 450 kg                     | 0.80-2.50mm              |              |        |        |
|            | 1.9mm                 | 400 kg           | 460 kg                     | 0.80-2.50mm              |              |        |        |
| 4.8mm      | 0.9mm                 | 150 kg           | 370 kg                     | 0.80-4.50mm              | 10 kN        | 6.6 kN | 7.3 kN |
|            | 1.2mm                 | 240 kg           | 540 kg                     | 0.80-4.50mm              |              |        |        |
|            | 1.5mm                 | 310 kg           | 600 kg                     | 0.80-4.50mm              |              |        |        |
|            | 1.9mm                 | 430 kg           | 640 kg                     | 0.80-4.50mm              |              |        |        |

The values listed are ultimate averages achieved under standard laboratory conditions. These results are given only as a guide and not as a warranty. An appropriate safety factor must be determined for the designed purpose.

*Information contained herein is based on careful tests and experience. It reflects our knowledge and is for guidance purpose only. Manufacturer and distributor are not responsible for any non-recommended use or consequential damage. Before any application, ensure that the product is fit for purpose.*

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