

Duro-PT® screw

Duro-PT® is a special screw for thermoset plastic. The screw has been designed especially to give a low fastening torque and a high removal torque.

Advantages:

- The screw can be assembled directly into the plastic without the risk of creating cracks.
- It eliminates thread inserts.
- It has chip collection through special bottom tap geometry.
- Vibration resistant.

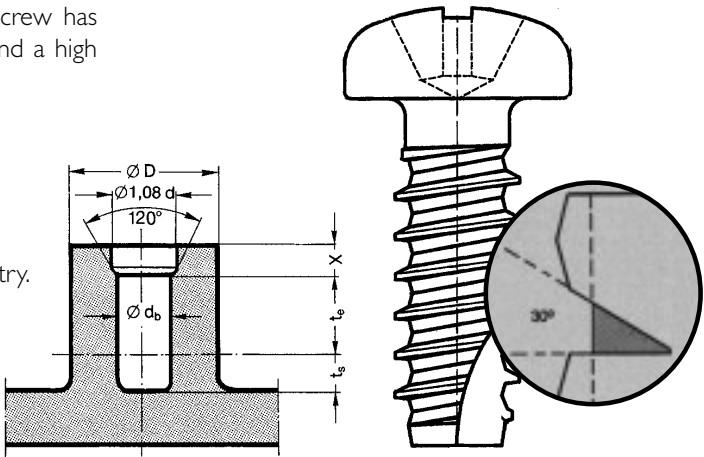


Table I37

Nominal diameter (mm)	2.2	2.5	3.0	3.5	4.0	5.0	6.0	8.0
Torsional strength (Nm)	1.0	1.5	2.0	3.0	5.0	10.0	15.0	25.0

Table I38

Hole diameter d_b (mm)	Boss diameter D (mm)	Installation depth t_e (mm)	Chip space depth t_s (mm)	Counterbore depth x (mm)
0.88 d	$(8.567 d)-(6.667 d_b)$	$2d \leq t_e$ to $t_e \leq 3d$	0.8 d to 1.2 d	$\frac{\tan 30^\circ}{2} \cdot (D-1.08 d)$

RS-Duroplast screw

General information:

Thread forming screw for thermoset materials.

Installation advantages:

- Optimized thread pitch for quick mounting.
- Minimized penetration torque due to low material displacement.
- Large overlap of thread flanks for high overturning torques.

Performance:

The RS-Duroplast screw is available in several different head shapes. For example, cross recessed and sixpoint socket grip head. Special head shapes are possible. Locking devices under the head.

Material:

Steel 10.9.

Source: Betzer.

