

# ESCR Washer Head Structural Timber Screw

The ESCR screws have a washer head and 6 lobe drive to aid installation and give excellent pull-through capacities.

**Material:** Heat treated carbon steel.

**Benefits**

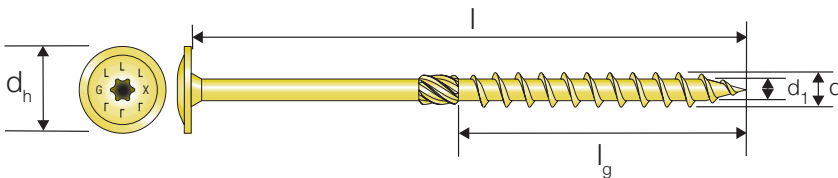
- High pull-out resistance.
- Reamer allows smooth driving.
- Connects two or more timbers together.

**Finish:** Electrogalvanised with yellow finish and anti-friction coating. Zinc coating thickness  $\geq 5\mu\text{m}$ .

**Warning:** Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, the ESCR timber screws should only be used in dry, interior and non-corrosive environments.

**Installation:**

- The ESCR screws have a washer head and 6 lobe drive to aid installation and give excellent pull-through capacities.
- Screws install best with an impact driver and a T40 6-lobe bit (included in the box).
- Pre-drilling is typically not required.
- Drive the fastener so that the top of the head is slightly embedded into the top surface of the timber. To ensure correct performance, do not under or over-drive the fastener.



**Product Dimensions: ESCR**

Model No.	Product Dimensions [mm]						
	d	l	dh	d1	dg	t <sub>fix</sub> (Max)	Bit
ESCR8.0x80	8	80	20	5.3	54	26	T-40
ESCR8.0x100	8	100	20	5.3	54	46	T-40
ESCR8.0x120	8	120	20	5.3	54	66	T-40
ESCR8.0x140	8	140	20	5.3	84	56	T-40
ESCR8.0x160	8	160	20	5.3	84	76	T-40
ESCR8.0x180	8	180	20	5.3	100	80	T-40
ESCR8.0x200	8	200	20	5.3	100	100	T-40
ESCR8.0x220	8	220	20	5.3	100	120	T-40
ESCR8.0x240	8	240	20	5.3	100	140	T-40
ESCR8.0x260	8	260	20	5.3	100	160	T-40
ESCR8.0x280	8	280	20	5.3	100	180	T-40
ESCR8.0x300	8	300	20	5.3	100	200	T-40
ESCR8.0x320	8	320	20	5.3	100	220	T-40

**Performance Data: ESCR**

Model No.	Yield Moment M <sub>y,k</sub> [Nm]	Withdrawal Parameter f <sub>ax,k</sub> [N/mm <sup>2</sup> ]	Head Pull-Through f <sub>head,k</sub> [N/mm <sup>2</sup> ]	Tensile Capacity f <sub>tens,k</sub> [kN]	Torsional Strength f <sub>tor,k</sub> [Nm]
ESCR8.0	22.6	10.7	17.6	22.7	25.6

• Mechanical properties based upon timber density  $\rho_k = 350 \text{ kg/m}^3$

