TECHNICAL DATA SHEET (1/1)

T - 415816 _ TRLC

General description

The **TRLC** self-drilling screw is designed to assemble 2 metal sheets in one single operation.

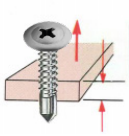
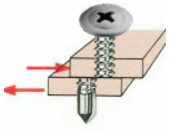
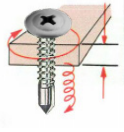
It can drill into a combined total thickness of 1,9mm.

The TRLC screw has a Philips recess. Thanks to its drill point, no need to punch a hole or drill beforehand.



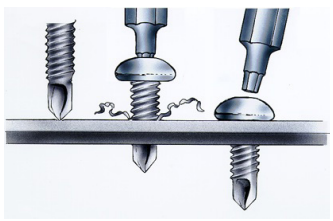
- Made of hardened carbon steel
- Zinc plated (free of hexavalent chromium)
- Pan washer head with Philips recess
- Serration under the head for a better grip
- Manufactured according to DIN 7504

Technical specification

Screw dia.	Bit size	Soft steel sheet thickness	Tension pull-out 	Shear (two sheets overlap) 	Tensil strength 	Torque 
3,5 mm	KH1	0,9 mm	110 kg	320 kg	500 kg	2,8 Nm
		1,2 mm	170 kg	370 kg		
		1,5 mm	210 kg	380 kg		
		1,9 mm	380 kg	400 kg		
4,2 mm	KH2	0,9 mm	120 kg	330 kg	700 kg	4,7 Nm
		1,2 mm	180 kg	390 kg		
		1,5 mm	210 kg	450 kg		
		1,9 mm	400 kg	460 kg		
4,8 mm	KH2	0,9 mm	150 kg	370 kg	1000kg	7,3 Nm
		1,2 mm	240 kg	540 kg		
		1,5 mm	310 kg	600 kg		
		1,9 mm	430 kg	640 kg		

*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.

Application



- Self-drilling screws are designed to perform best when driven at 1800 to 2500 rpm.
- Drill point length must exceed total thickness of material to be fastened including gaps.
- Overdriving may result in torsion failure of screws or strip out of the fastening grip.
- The screw must penetrate beyond the metal structure with a minimum of 3 threads.

Information contained herein is based on careful tests and experience. It reflects our knowledge and is for guidance purpose only. It is given in good faith and user should ensure that the product is fit for purpose before any application.
The quoted values are average and should not be taken as maximum or minimum values for specific purposes. Manufacturer and distributor are not responsible for any non-recommended use or consequential damage.