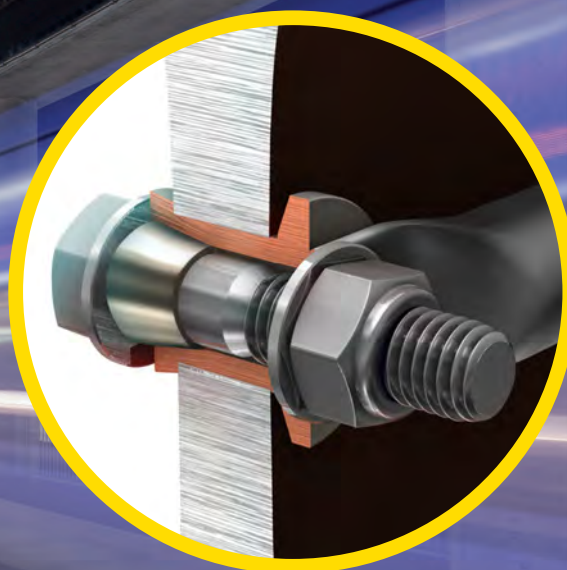


## **SafePlug<sup>®</sup>**

**Developed for the toughest environment conditions**



Patented cable connection system for grounding, signalling and return current

## SafePlug® – Rail web electrical connection system

SafePlug® is the new generation of rail web connections with optimal performance. SafePlug® is developed to obtain as low transition resistance as possible between the cable lug and rail. The patented contact cone and the high torque design (50–75 %

higher torque than other brands), allows a much greater contact pressure and maintains the pressure to withstand vibrations in the rail even in large temperature changes. The electrical interfaces and contact surface become also much larger thanks to this design.

### More efficient assembly

Users do not have to use heavy hydraulics in the work place. Use the small mounting tool and the same torque wrench used to assemble the cables or an impact wrench to expand the copper bushing in the drilled hole in the rail. This means significantly lower investment costs and less need for maintenance service.

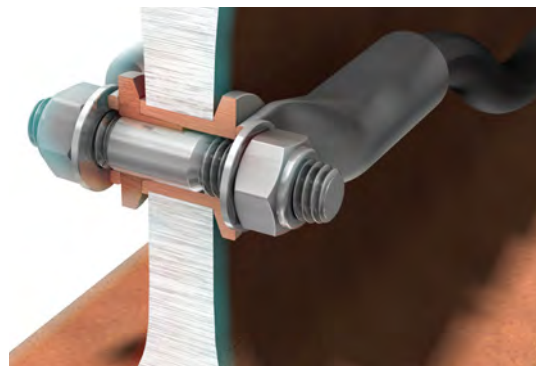


*Lightweight pocket-sized tool*

### SafePlug® Combi – Flexible cable connections of one or more cables

SafePlug® Combi has the same technology to resist differences in temperature, vibration and corrosion as the rest of the SafePlug® range. This is thanks to the revolutionary patented contact cone technology.

SafePlug® Combi enables the cables to be fixed on both sides of the rail and can, at any time, be taken off and on again. With the same SafePlug® Combi mounted throughout.

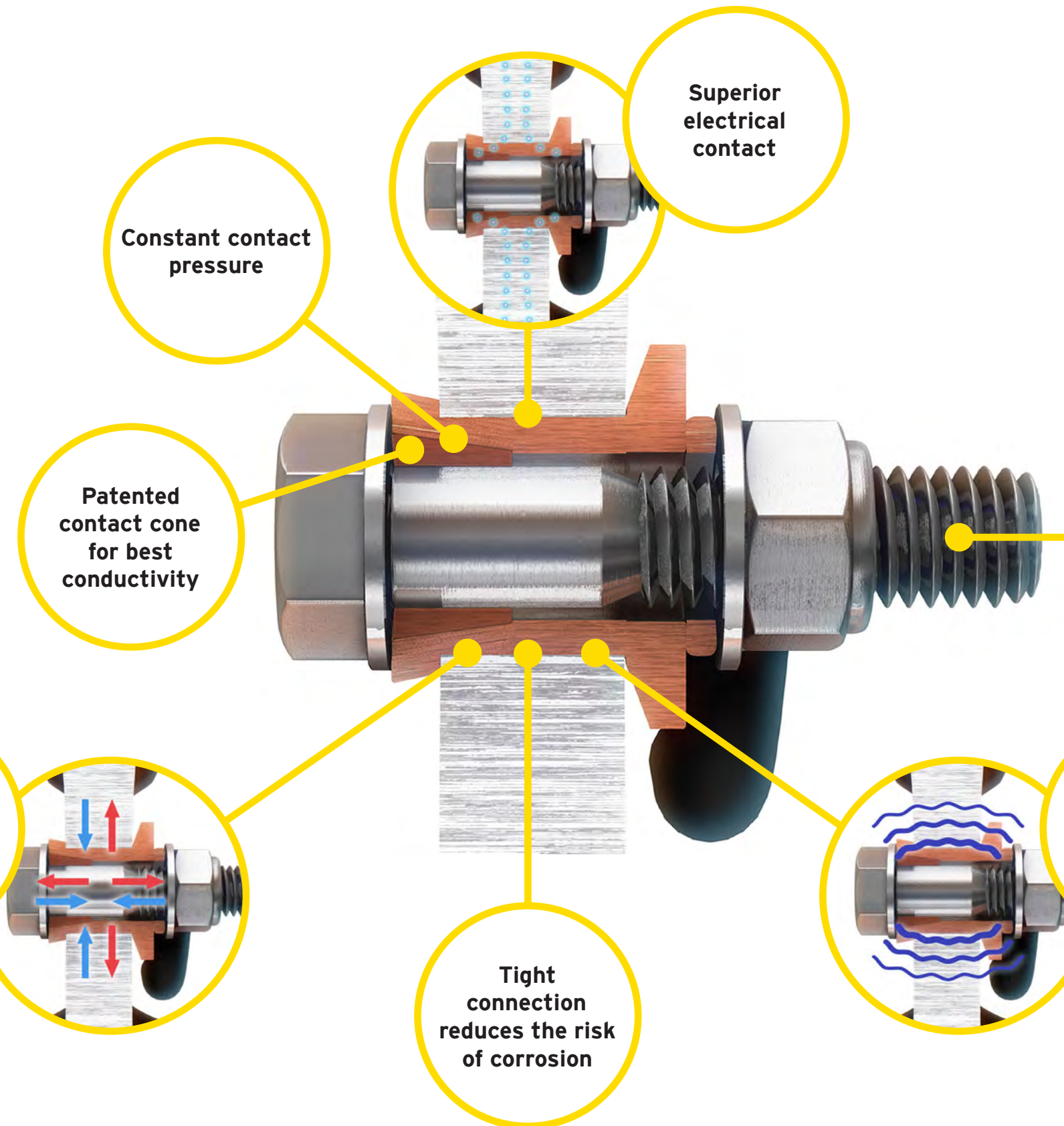


**Secure  
against large  
temperature  
differences**

**Tested by NEFI  
High Power  
Laboratory (ABB)**

**M10 - 25.000A during 1 sec  
44.000A peak value  
M12 - 35.000A during 1 sec  
58.000A peak value**

# SafePlug® – Designed for harsh climate conditions



## SafePlug® HT – High Torque



### SAFEPLUG® HT M12

Hole size:  $\varnothing$ 19 mm, Max. torque: 120 Nm  
SAFE 59031BD

### SAFEPLUG® HT M12 TRV

Hole size:  $\varnothing$ 19 mm, Max. torque: 120 Nm  
SAFE 59031BDT



High strength  
acid proof  
stainless steel  
class 109

## SafePlug® Basic



### SafePlug® Basic M10

Hole size:  $\varnothing$ 13,5 mm, Max. torque: 40 Nm  
SAFE 59023BD

### SafePlug® Basic M12

Hole size:  $\varnothing$ 19 mm, Max. torque: 80 Nm  
SAFE 59021BD



Vibration  
proof

## SafePlug® Combi for multiple cables



### SafePlug® Combi M10

Hole size:  $\varnothing$ 13.5 mm, Max. torque: 40 Nm  
SAFE 590260BD

### SafePlug® Combi M12

Hole size:  $\varnothing$ 19 mm, Max. torque: 80 Nm  
SAFE 590225BD



# Accessories & Consumables

To see our wide range of accessories and consumables, please visit: [www.safetrack.se](http://www.safetrack.se)



### Assembly tool

M10 – SAFE 59102BD  
M12 – SAFE 59101BD



### Hole Gauge / Counterhold

Same for M10/M12 – SAFE 591085



### Drill/Driver

Battery powered 5Ah 18V  
60Nm – SAFE 59105200



### Torque wrench

SAFE 59106



### Drill – Ø13,5 mm

Twist Drill-Line – SAFE 59SBW136  
+ Adapter for Weldon – SAFE 59WA1316



### Super drilling paste

SAFE 59579

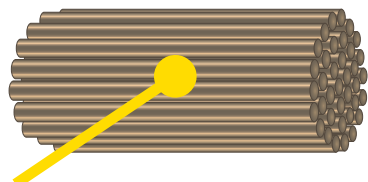


### Drill – Ø19 mm

Rail-Line T.C.T Core Drill – SAFE 59RLK19R  
Blue-Line Rail Core Drill – SAFE 59SBK190

## SafeCable® – theft deterrent cable

SafeCable® is made of soft annealed steel and copper wires to withstand vibrations in the rail and to make it as flexible as possible. Use standard cable lugs and crimping tool for connections. It has no scrap value. It is magnetic - thieves who check with magnets for copper avoid stealing the cable.



Copper and soft annealed steel



Metallurgical bonded

## Training / Services

Safetrack AB has extensive experience in the railway industry and offers the very highest service and customer satisfaction with training on site.



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### Approved by

