

# RAIL WEB ELECTRICAL CONNECTION SYSTEM FOR RETURN TRACTION AND EARTHING APPLICATIONS

## AR 60D



Steel M12 screw with hollow hex head



Copper bush



Flat steel washer



Self-locking nut

Cable lug

Rail web Permanent Electrical Contact type AR 60D, for hole diameter 19-20 mm

Railweb thickness: 14 to 16,5 mm

This unique system was designed and developed by Cembre in 1988 following a review of existing electrical connection systems. The aim of the Cembre system is to provide a low resistance interface between the rail web and the terminal lug. Following in-depth testing in the laboratory and extensive field trials, the system has been recognised and approved for total reliability.

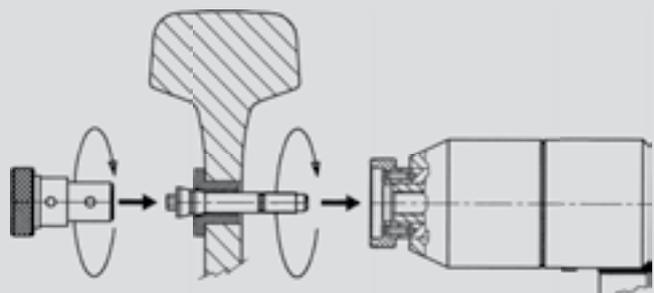
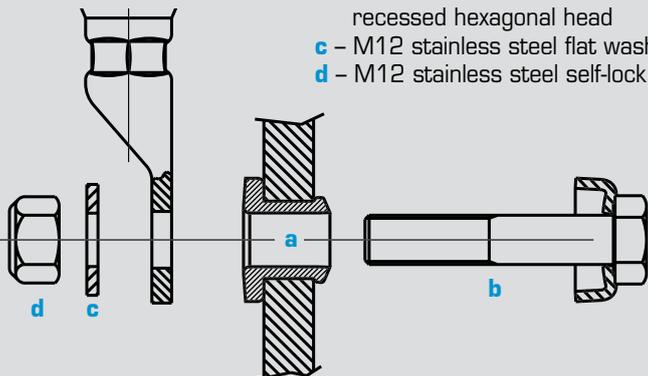
- low electrical resistance (microhm)
- simple to install, not dependent on operator skill level
- quick and easy to install (less than one minute)
- easy to connect/disconnect cables, for fault finding

### System components:

- a** - AR 60-1: Electrolytically tin plated copper bush
- b** - M12 steel bolt with recessed hexagonal head
- c** - M12 stainless steel flat washer
- d** - M12 stainless steel self-lock nut

### To be installed by:

HTEP hydraulic tool or tool type RHTEP head for connection to a hydraulic pump



# AR 60D ASSEMBLY

**1**

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**3**

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HTEP or RHTEP

**6**

**7**

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**9**

		<i>C (Nm)</i>	
<i>D</i>			
	<i>Cu</i>	<i>Al</i>	
M12	80	50	