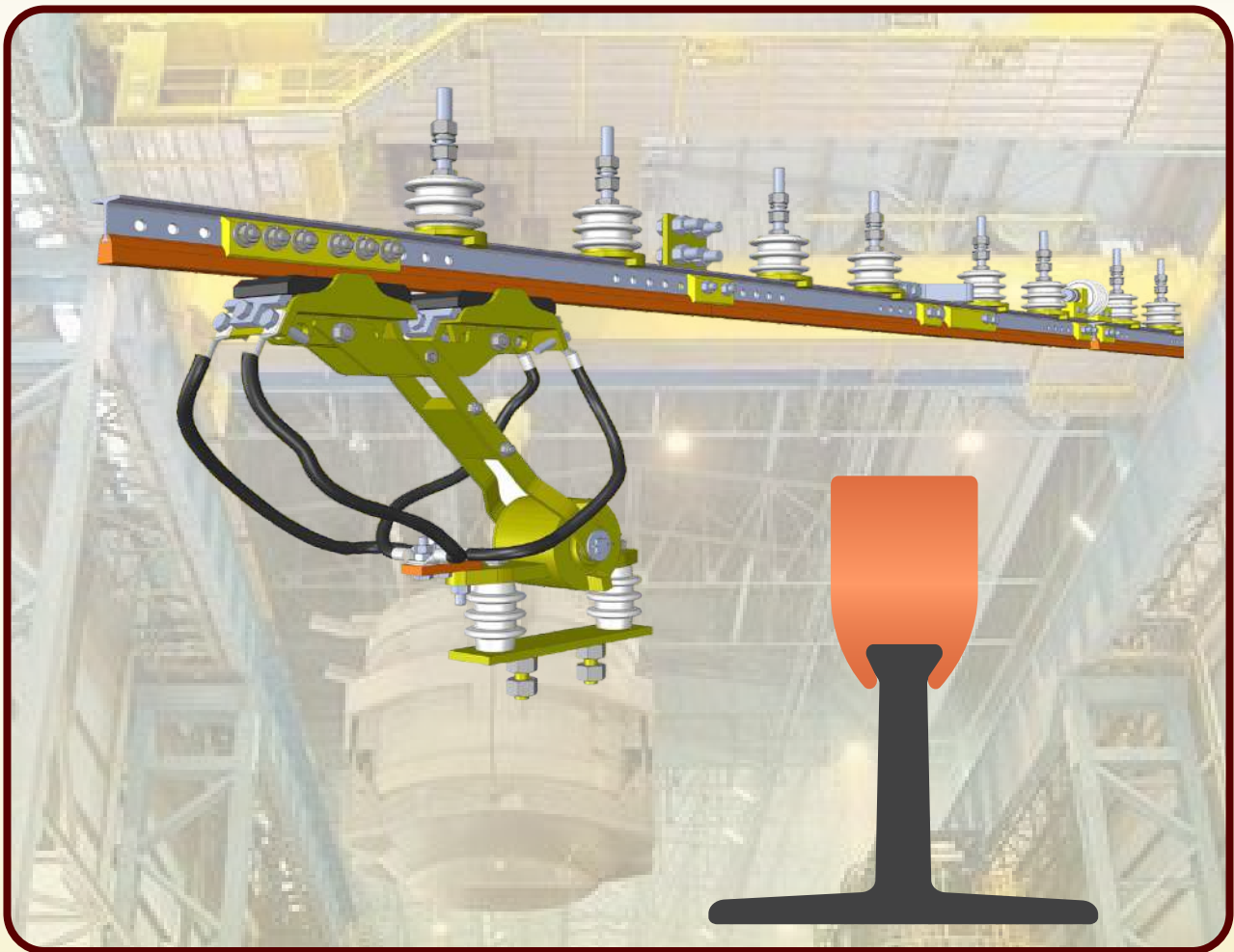


**SPEED-O-CONTROLS
PVT. LTD.** 
COPPERHEAD RAIL SYSTEM

COPPERHEAD RAIL SYSTEM

03 12 2013

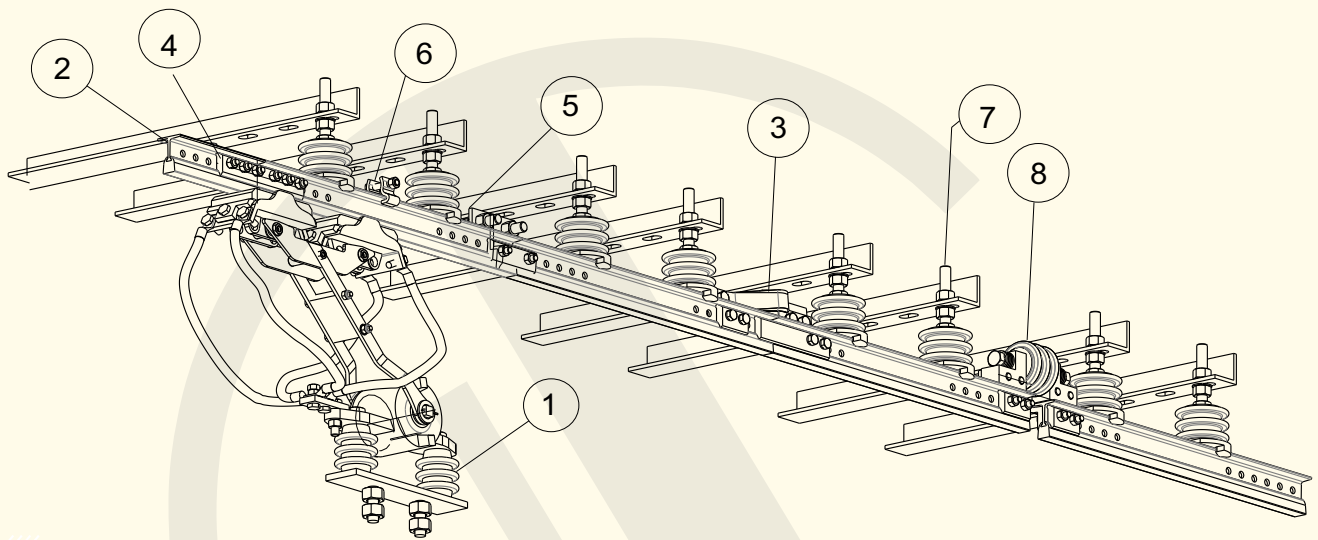
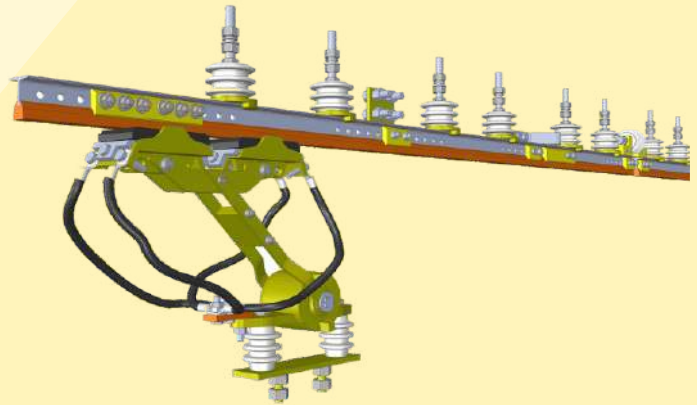


DISCOVER OUR RANGE OF COPPERHEAD RAIL SYSTEMS

INTRODUCTION

COPPERHEAD CONDUCTOR RAIL SYSTEM are used for areas with high-temperature, high-dust, high corrosion & other adverse circumstances.

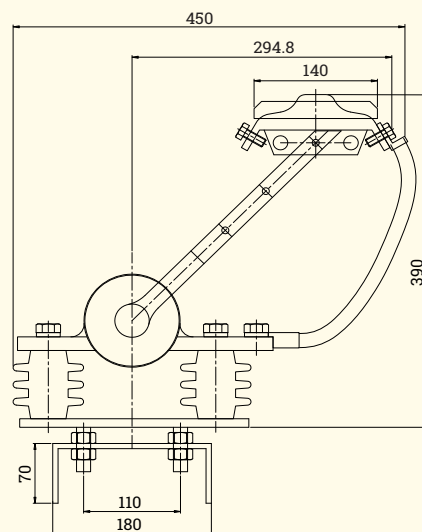
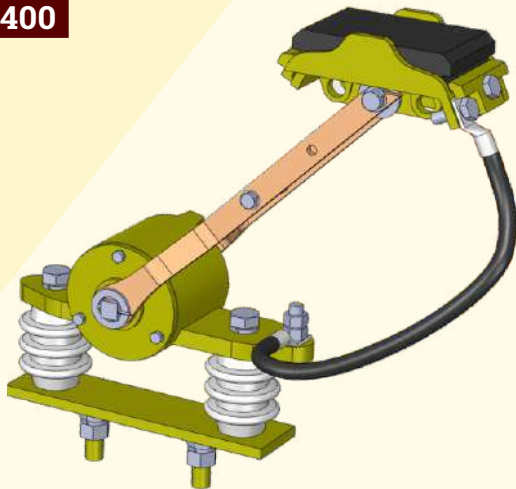
Using the best quality and combination of copper strips and steel bars, current ranges are achieved from 495 Amps up to 1432 Amps which is enough to run multiple high capacity cranes and moving machinery running especially at iron and steel mills, heavy industrial plants etc. which are exposed to extremely high temperature during operation.



COMPONENTS

- 1) **CURRENT COLLECTOR** : Used to transfer the current from Copperhead Rail system to Running equipment's Mounted on the running equipment for continuous transfer.
- 2) **STEEL COPPERHEAD RAILS** : Combination of Steel and Copper Rail for carrying current through travel lengths as desire. Current capacity varies as per cross section of copper.
- 3) **EXPANSION SECTION** : Gap created between rails using copper strips for expansion and contraction of conductor bars.
- 4) **RIGID JOINTS** : Bolted type joints between 2 rails capable of transmitting the current.
- 5) **FEEDER CLAMP** : Bolted type between 2 rails and intended feed points integrated.
- 6) **LOCATING CLAMP** : In order to achieve controlled expansion of the conductor, fix points must be created. For this purpose, two locating clamps are placed to either side of the insulator. Fix points are always centered between two expansion joint.
- 7) **INSULATORS** : Hanger clamps for mounting the conductor rails. Installed at regular intervals with insulators for safety.
- 8) **HOSPITAL BAY INSULATOR** : For creating sick bays, maintenance bays. Mounting between rails bolted joint type with insulators used for separation. Looping through feeder clamps with isolation switches for using when desired.

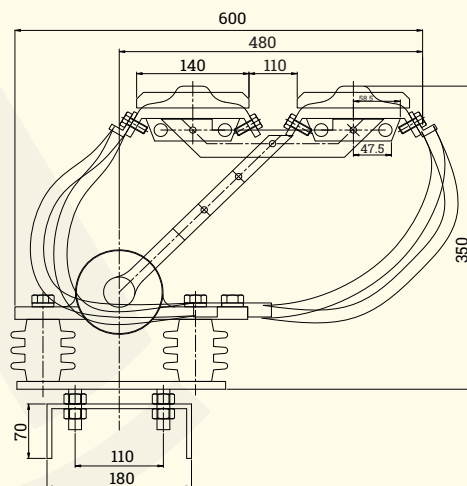
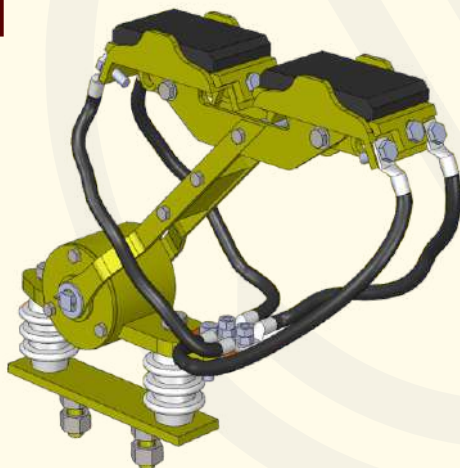
SCC400



TECHNICAL DATA

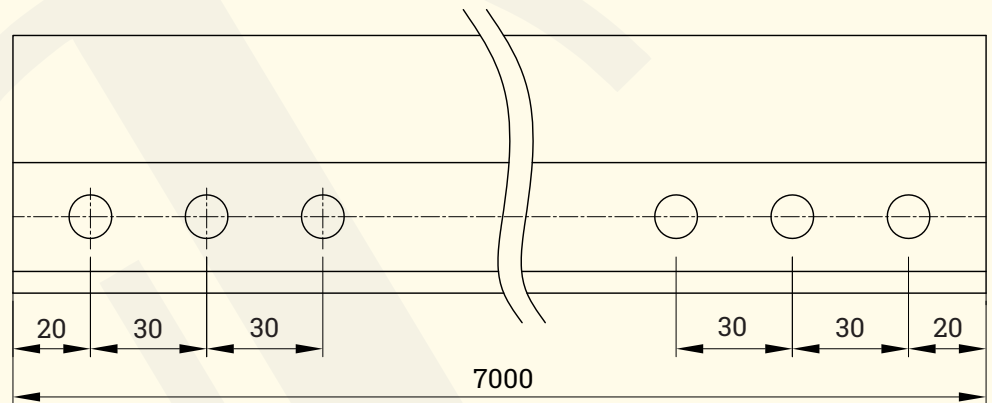
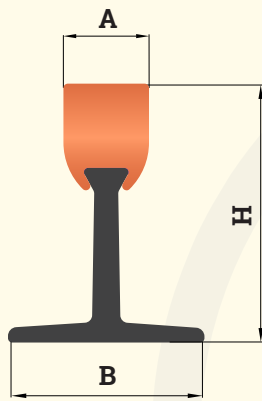
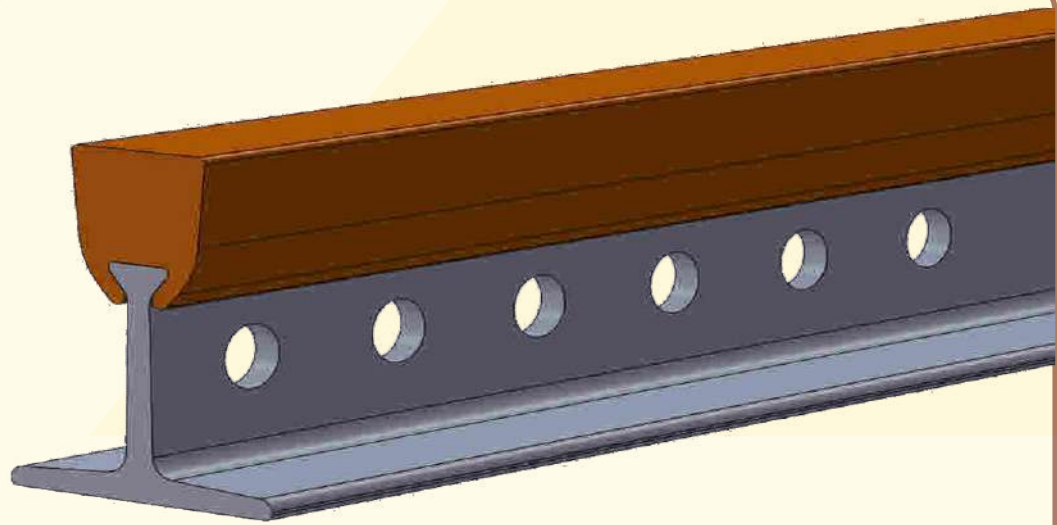
MODEL NO	SCC400
TYPE	5-SCC/400
CAPACITY	400A
WEIGHT	11.72KG
MOUNTING BOLTS	M16 x 110
WORKING HEIGHT	280+-60
CARBON PRESSURE	8KG
CARBON SIZE	140 x 100 x 30

SCC800



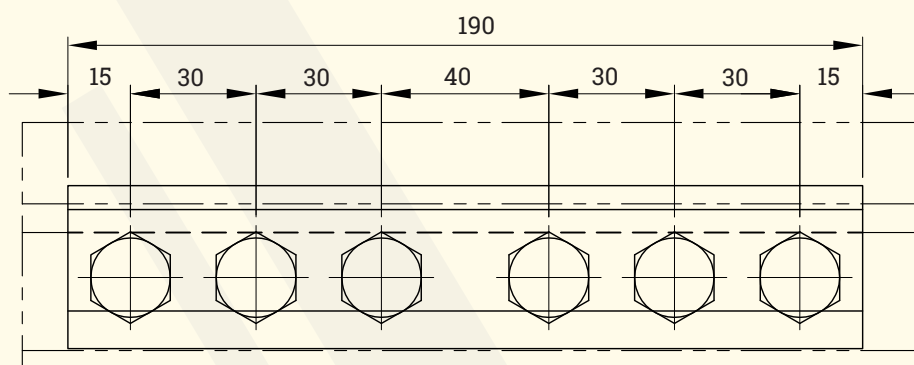
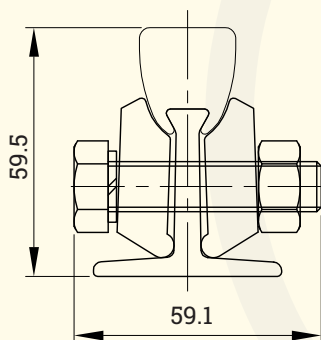
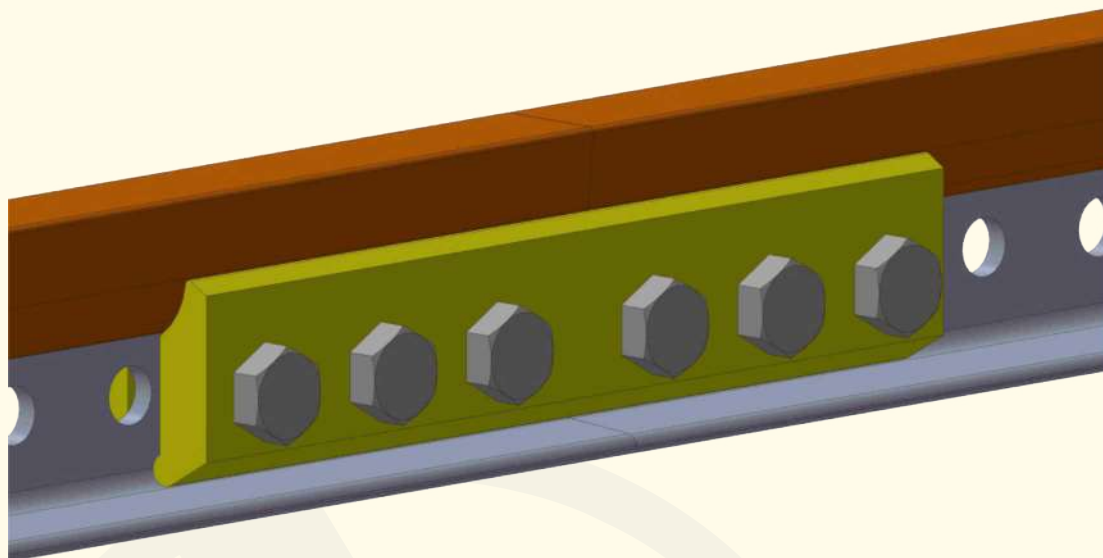
TECHNICAL DATA

MODEL NO	SCC800
TYPE	5-SCC/800
CAPACITY	800A
WEIGHT	15.342KG
MOUNTING BOLTS	M16 x 110
WORKING HEIGHT	380+-70
CARBON PRESSURE	8KG
CARBON SIZE	140 x 100 x 30



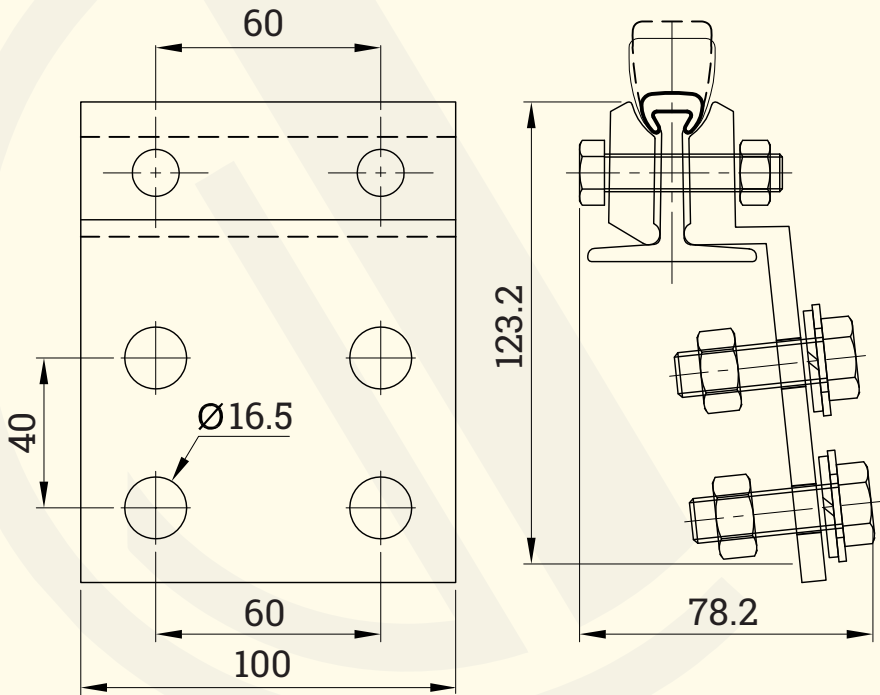
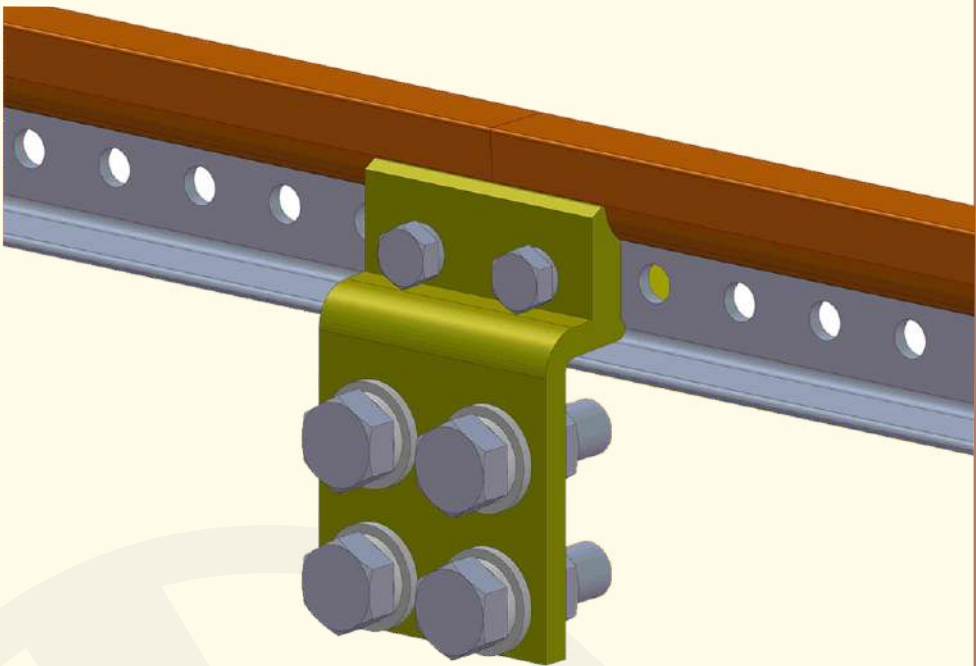
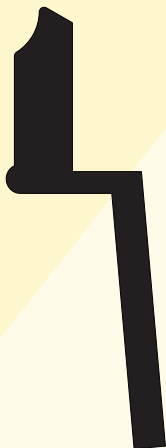
TYPE	COPPER CROSS SECTION SQMM	STEEL CROSS SECTION SQMM	EQUIVALENT COPPER CROSS SECTION SQ MM	H MM	A MM	B MM	WEIGHT KG/M	MAX CONT. AMPS
S45/50-7	50	455	102	43.1	14.6	45	3.23	495
S45/100-7	100	455	152	46.0	15.3	45	3.68	620
S45/150-7	150	455	202	48.3	17.3	45	4.13	728
S45/200-7	200	455	252	50.8	17.3	45	4.58	826
S45/300-7	300	455	452	56.3	17.6	45	5.48	1000
S45/400-7	400	455	452	59.3	19.6	45	6.38	1156
S45/500-7	500	455	552	64.3	19.6	45	7.28	1299
S45/600-7	600	455	652	65.0	23.2	45	8.18	1432

NOTE: Details for Systems above 1432Amps available on request



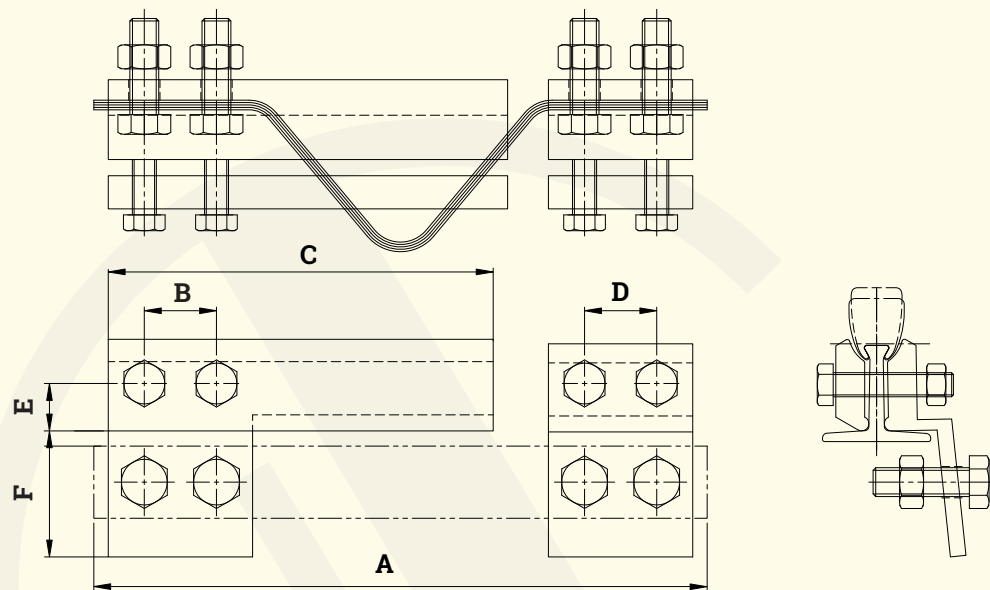
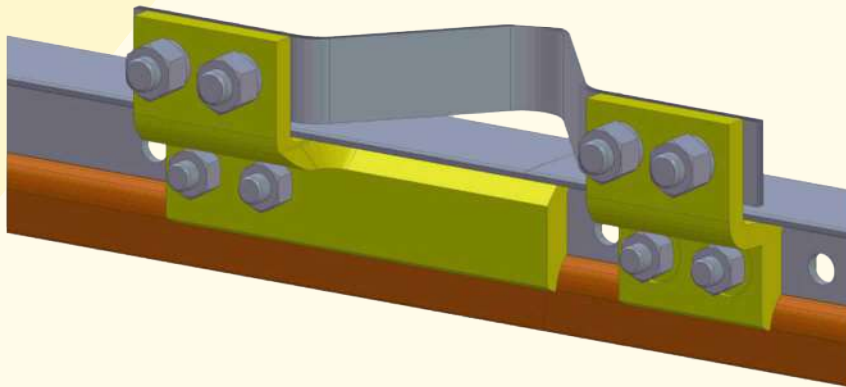
RIGID JOINT SRJ45/300-800/6

TYPE	DESCRIPTION
SRJ45	Rigid Joint 6 hole for 45 Series



FEEDER CLAMP SFC45/300-800

MODEL NO	DESCRIPTION
SFC45	Feeder Clamp for 45 Series (Upto 826Amps)

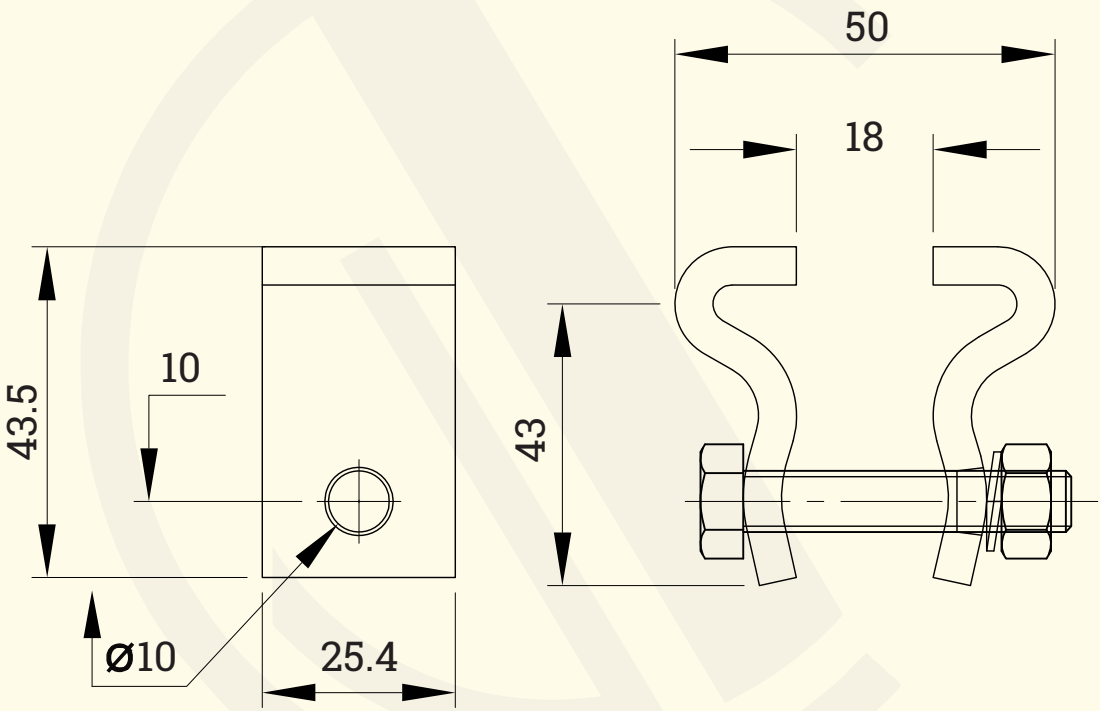
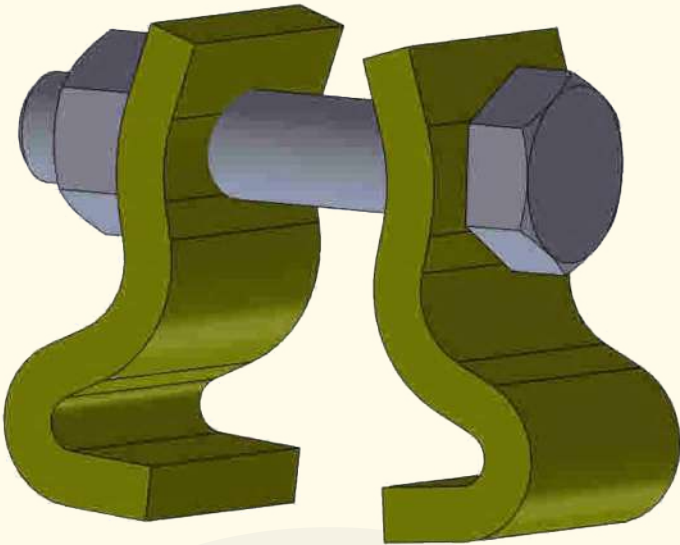


EXPANSION SECTION							
PART NUMBER	A	B	C	D	E	F	NO.OF LEAVES
SXJ 45/50 - 150	255	30	160	30	18	57	8
SXJ 45/200 - 300	255	30	160	30	18	57	17
SXJ 45/400 - 600	255	30	160	30	18	57	50

MODEL NO	DESCRIPTION
SXJ 45/50 - 150	Expansion Joint (Phase/Earth) (for 495Amps, 620Amps, 728Amps)
SXJ 45/200 - 300	Expansion Joint (Phase/Earth) (for 826Amps, 1000Amps)
SXJ 45/400 - 600	Expansion Joint (Phase/Earth) (for 1156Amps, 1299Amps, 1432Amp)



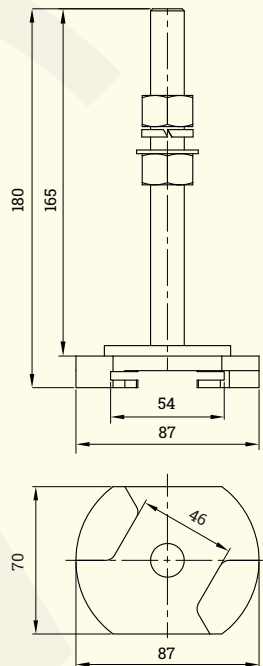
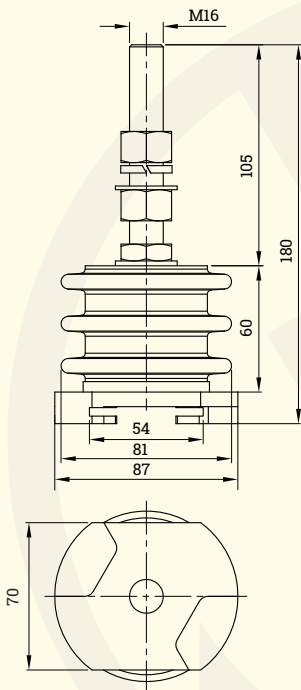
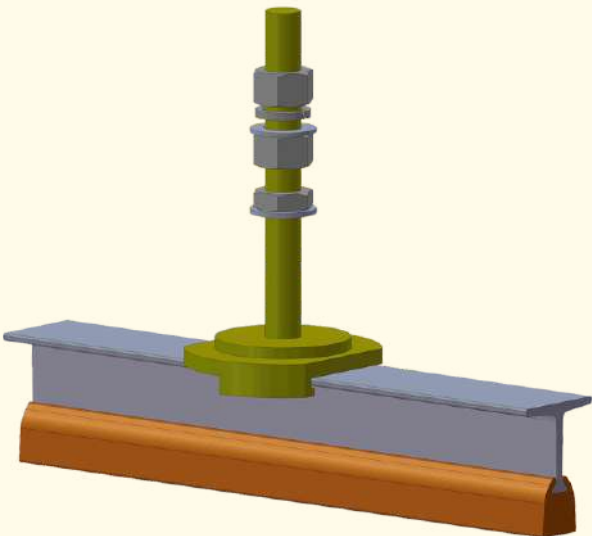
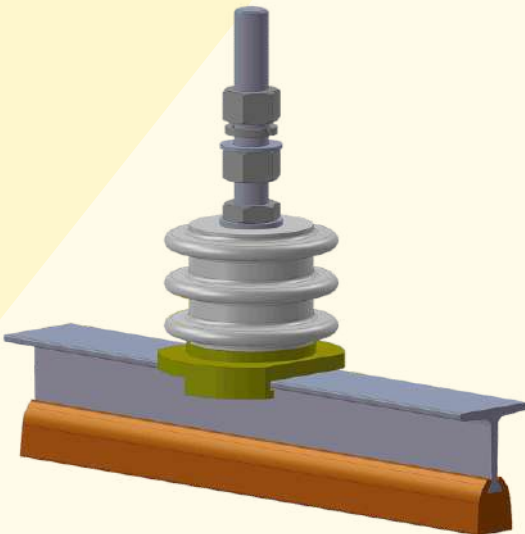
LOCATING CLAMP



LOCATING CLAMP - SLCP45

MODEL NO	DESCRIPTION
SLCP45	Securing Clamps for 45 Series





GFP INSULATOR (PHASE) INSULATOR - SIGP45

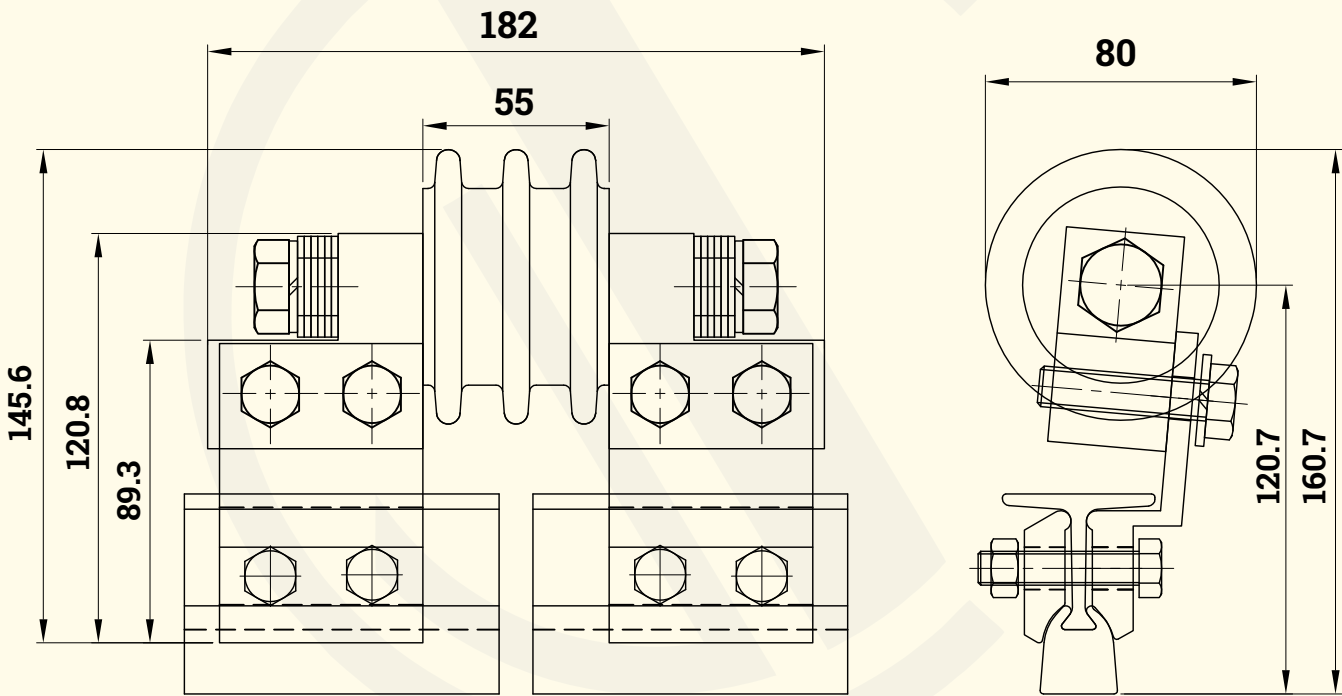
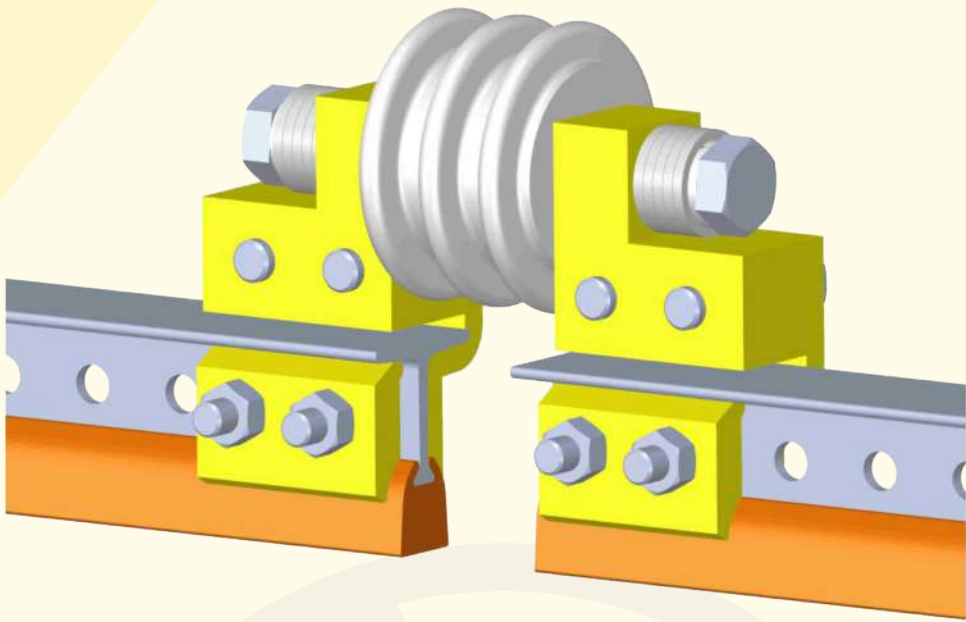
EARTH RAIL GUIDE - SIGP45E

MODEL NO	DESCRIPTION
SIGP45	GFP Insulator (Phase) - Phase Insulators for 45 Series
SIGP45E	Earth rail guide for 45 Series

***High Temperature Insulators available on request**

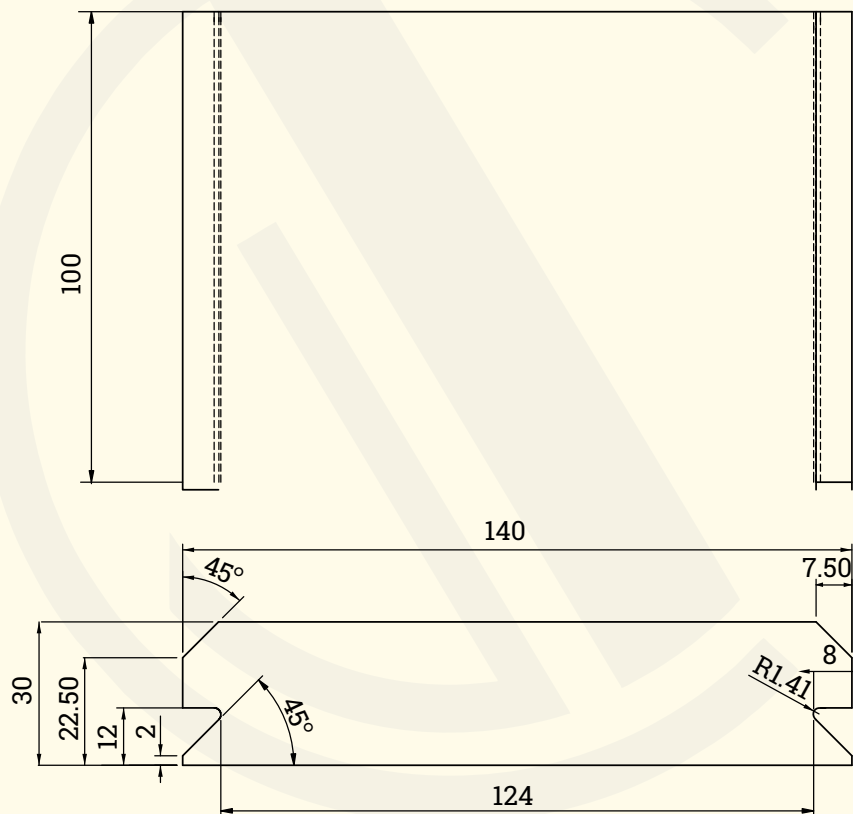
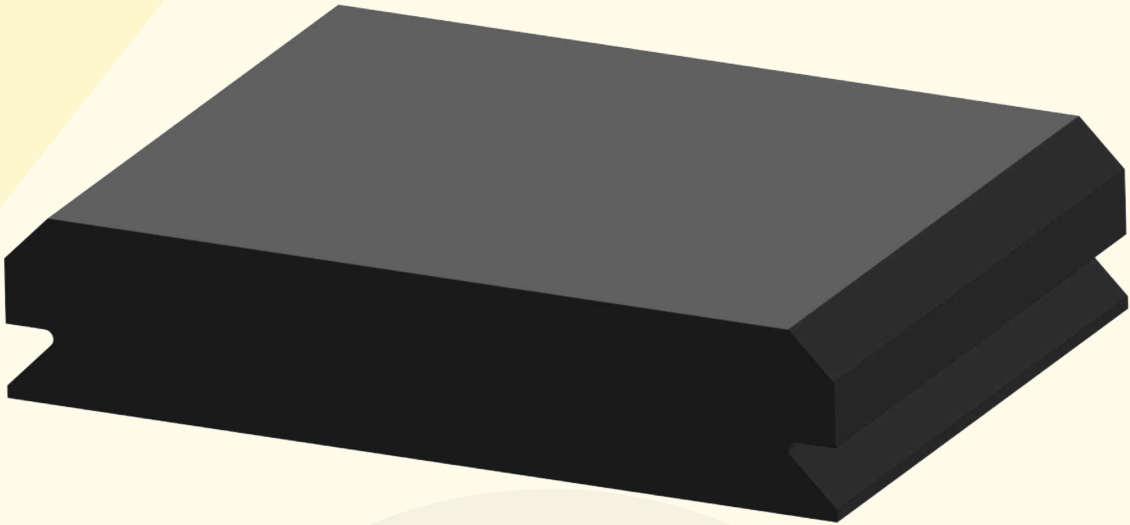


HOSPITAL BAY INSULATOR



HOSPITAL BAY INSULATOR SHBI45

MODEL NO	DESCRIPTION
SHBI45	HOSPITAL BAY INSULATORS FOR 45 SERIES



MODEL NO	DESCRIPTION
CCS400	CARBON SHOE for C.C. (Copperhead) for 400A

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