

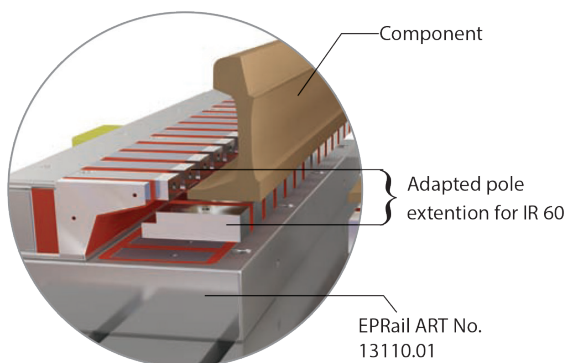
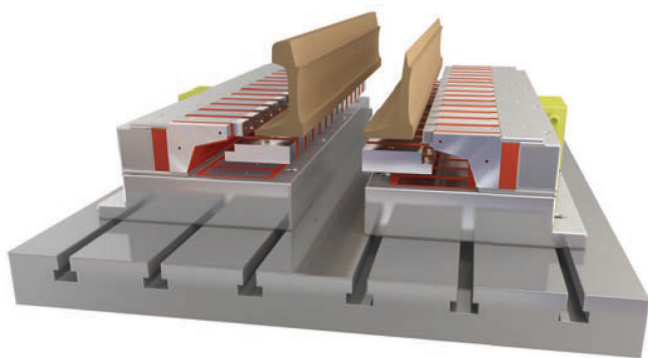
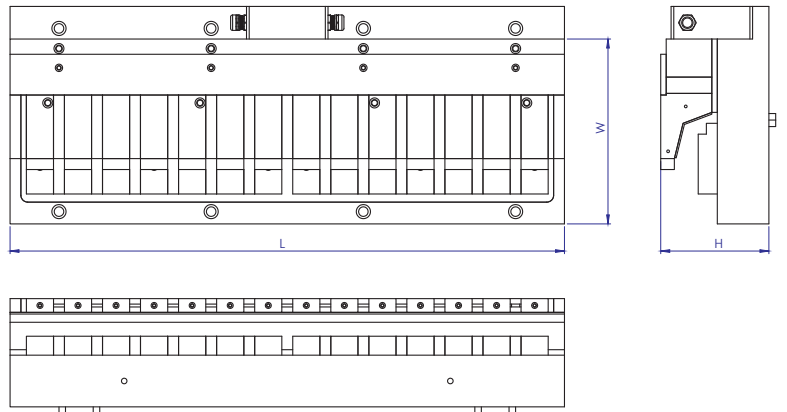
## Versatile Rail Machining Electropermanent Magnet Clamp



- High clamping force for rigid & uniform clamping.
- Accurate alignment of rail achieved.
- Complete rail machining in only 2 set-up.
- No vibration of Rails during machining operation.
- Increased tool life.
- High stock removal.
- Superior accuracies and finishing.
- Easy chips removal.
- Energy saving.
- Different Profiles of rails can be clamped on same Magnet using adapted pole extensions.
- Total face is accessible for machining.



- MAGNARAIL system is composed using a series of modular elements each of approx. length of 1000 mm.
- Several modules can be used to design the solution for different length of the rails as per requirement.
- Each MAGNARAIL module has an independent magnetic sector at right angle placed to clamp respectively the foot and the web of the rail.
- For foot and web of rails specific pole extensions are designed. sectors right angle placed to clamp respectively the foot and the web of the rail.



Product Code: EMR

All dimensions in metric units

Model	W	L	H	Controller
EMR-40100	390	1080	268	93101.40

Component	RAIL IR 60
Input condition	FORGED
Material	Grade 880 - 880
Operation	Machining of Head and foot
Customer expectation	Machining time reduction and accuracy of machining to be improved
Trail parameters	<ul style="list-style-type: none"> <li>• Machining of foot of rail</li> <li>• Dia 100 Shell-mill cutter</li> <li>• No. of Cutting edge 6, 5 inserts per flute</li> <li>• Depth of cut: 25mm</li> <li>• Width of cut: 28mm</li> <li>• Feed: 100mm/min</li> <li>• Rate of Material Removal: 200 cm<sup>3</sup>/min</li> </ul>
Solution details	EPRAIL with pole extensions suiting IR60

Due to continuous upgradation in design there could be changes in specification. Other sizes on request. Before ordering, contact Supreme Magnets or your nearest dealer to confirm the suitability of this model for your application.

