

TTS-MS2 Mechanical Seal



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The shoes are held in permanent contact with the tank shell and extend into the product by hanger arms. The pusher spring material is high tensile stainless spring steel and springs push the shoe at two positions, upper and lower.

The vapor membrane covers the vapor space between the shoe and the roof from the atmosphere.

External Floating Roof Seal System



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Parts & Material

Part No	Description	Material
1	Shoe Plate	Galvanized steel or Stainless steel
2	Tensioner	High tensile stainless spring steel
3	Arm	Galvanized steel or Stainless steel
4	Arm Clip	Galvanized steel or Stainless steel
5	Tensioner Strap Bar	Galvanized steel or Stainless steel
6	Hanger Clip	Galvanized steel or Stainless steel
7	Clamp	Galvanized steel or Stainless steel
8	Continuous Seal	Nitrile/PVC, Polyurethane or PTFE

Specifications

Model Name	TTS-MS2 Mechanical Primary Seal	
Type	Primary Seal, Spring Type Mechanical Shoe Seal	
Installed on	External Floating Roof Tanks	
Rim Space	Normal 250mm ± 125mm	(* larger rim space is available)
Features	<ul style="list-style-type: none">▪ Long service life & maintenance free▪ Easy to install & no hot work required (welding or flame cutting)▪ Relatively low cost▪ Complies with API 650 Appendix C▪ Compatible with all stored products: Crude oil, Naphtha▪ 100% Aromatic protection available▪ Available with secondary seal▪ Compatible with weld, lapped or riveted tanks	