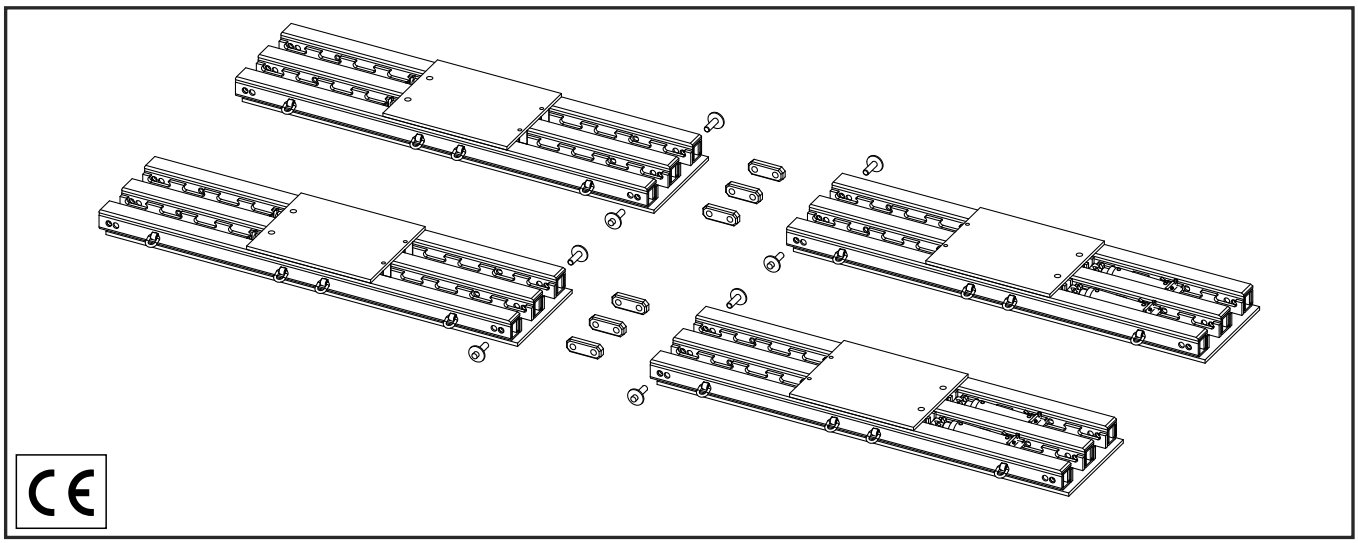
HT1000
TRI-RAIL SYSTEM

HYDRA-SLIDE



The HT1000 Tri-Rail is our highest-capacity skidding system. Each track incorporates two cylinders for maximum push capacity, and the system's working height is just 8" (205 mm).

- Quick & simple track connections
- Designed to both push and pull
- Durable graphite slide surface
- Cylinders automatically reset
- Stamped, engineered assembly drawings and capacity charts provided

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HT1000 Specifications	
Skidding Push Capacity*	**1000 ton** *907 tonne*
Skidding System Height	**8"** *205 mm*
Cylinder Capacity - Push	**55 ton** *50 tonne*
Cylinder Capacity - Pull	**28 ton** *25 tonne*
Cylinder Push/Pull Stroke	**13"** *330 mm*
Cylinder Hydraulic Couplers	Enerpac CR400 (female)
Skidding Speed**	**30 ft/hr** *9 m/hr*
Skid Shoe Capacity	**250 ton** *227 tonne*
System Coefficient of Friction	**15-20%**
Slide Surface Material	Graphite
Maximum Slope	**+/- 2%**
Track Alignment Tolerance	**+/- 0.25"** *+/- 6 mm*
Maximum Operating Pressure	**10,000 psi** *700 bar*

*Based on standard system with (2) cylinders & (4) skid shoes
**Determined using Hydra-Pac 20-2-4D

HT1000 Dimensions	Length	Width	Height	Weight
20' Track Section	**20'** *6.10 m*	**34"** *860 mm*	**7"** *180 mm*	**5600 lb** *2560 kg*
19'-2" Track Section	**19'-2"** *5.84 m*	**34"** *860 mm*	**7"** *180 mm*	**5367 lb** *2434 kg*
15' Track Section	**15'** *4.57 m*	**34"** *860 mm*	**7"** *180 mm*	**4200 lb** *1905 kg*
12'-6" Track Section	**12'-6"** *3.81 m*	**34"** *860 mm*	**7"** *180 mm*	**3360 lb** *1524 kg*
10' Track Section	**10'** *3.05 m*	**34"** *860 mm*	**7"** *180 mm*	**2800 lb** *1270 kg*
HT1000 Skid Shoe	**40"** *1.02 m*	**30.5"** *775 mm*	**6"** *150 mm*	**490 lb** *222 kg*
Storage Box (two per system)	**42"** *1.07 m*	**34"** *860 mm*	**22"** *560 mm*	**1000 lb** *454 kg*

All system components are stored in a steel box for convenience & easy transportation

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PROJECT
Emergency replacement of a failed transformer

SCOPE
A 670-ton fully dressed transformer is skidded during a live site test in Oregon, USA. In the event of a failure, the rigging crew can quickly change out the transformer using their on-site HT1000 system.

The HT1000 is our highest-capacity skidding system, providing exceptional load-moving capability while maintaining a low profile.

This system can be mobilized in areas with restricted access, tight clearance, and ground conditions unsuitable for crane operation.

Credit: Bonneville Power Administration, Celilo Converter Station, Oregon, 2017