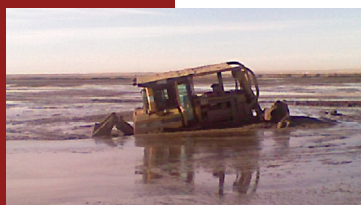


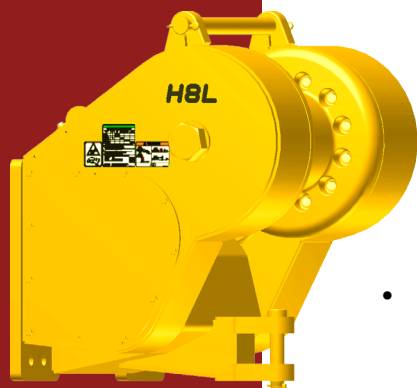
Extreme Duty Winching...



Calls for Extreme Duty Seals

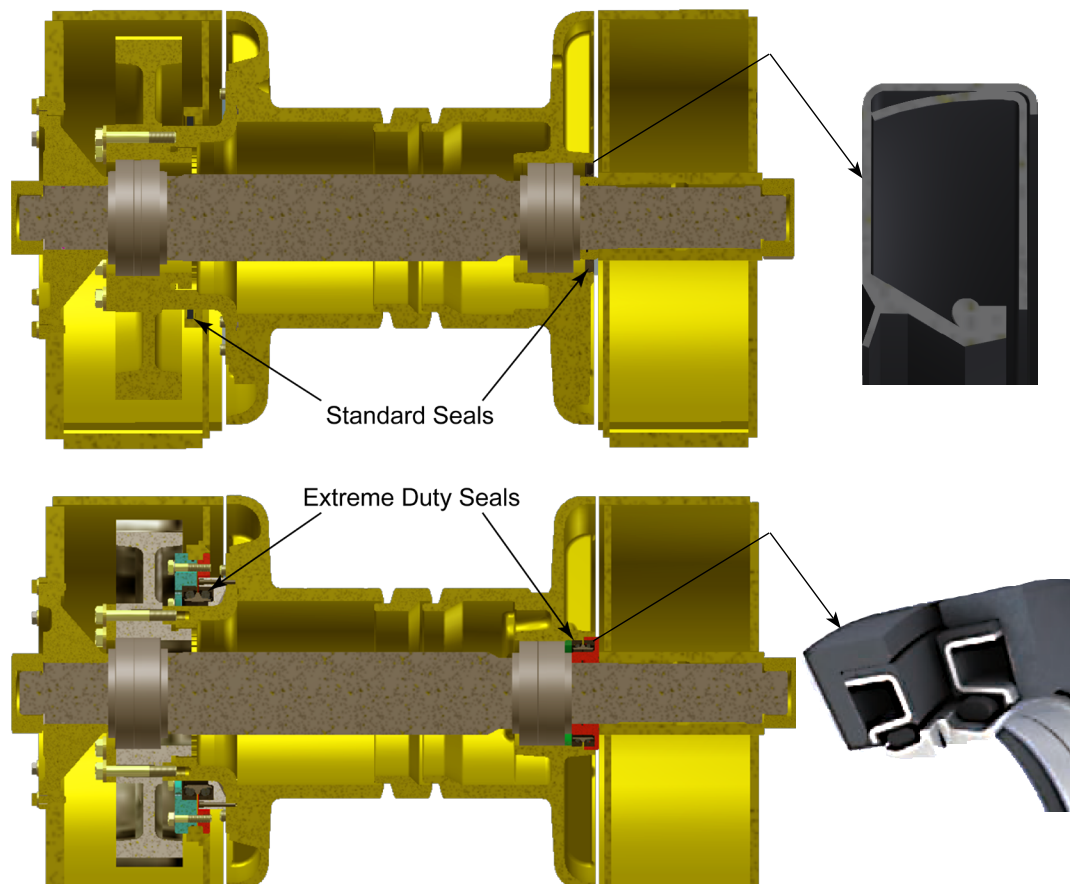
Allied Winch Extreme Duty Seals, an Allied Winch exclusive, keep water and contamination out, even when fully submerged. These dual cone mechanical face seals allow Allied winches to keep working reliably even deep in sand, water and slurry.

- Dual Cone Cast Iron Face Seals positively keep water and contamination out, extending the service life of expensive gears and bearings.
- The Extreme Duty Seals enable Allied winches to work reliably in the most adverse applications such as:
 - Hydro-mining
 - Dredging
 - Oil sand tailing ponds
 - Equipment rescue in muddy conditions.
- Allied Extreme Duty Seal option includes an extension hose to relocate the winch breather to top of dozer, away from water and contamination.
- Available exclusively on Allied Winch models: H8L, W8L, H12E and W12E installed on medium and large size dozers (200HP and above) such as Caterpillar D7-8-9-10, Komatsu D85-155-275, or John Deere 950-1050 series dozers.
- See Allied Extreme Duty Seal on YouTube:
<http://www.youtube.com/watch?v=GwHN69mqeeE>,
or visit Allied Systems' website at
<http://www.alliedsystems.com/winch/video/extremedutyseals.html>.



Technical Comparison:

Extreme Duty Seal	Standard Seal
Dual cone mechanical face seals with hardened cast iron faces between mating seal faces.	Single or double lip rubber seal.
Cast iron sealing faces are precision-machined to mate as a pair.	Sealing by rubber lips against shaft surface.
Hardened cast iron face seals for long life. Even when wear occurs, lapped metal faces are automatically and continually renewed to seal against water and sand ingress over long period of time.	Water and sand may wear rubber seal over time to seep through lip seal.
Technology proven in extreme duty conditions. Used on premium sealed and lubricated tracks on dozers.	Lip seal adequate for most applications. Advisable to use Extreme Duty Seals in adverse conditions.



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