



MATERIALS OF CONSTRUCTION
Models: Helical Gear Reducers
HRO, HROF, HRA, HRB, HRC

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PART NAME	STANDARD MATERIALS					
	MODEL:	HRO	HROF	HRA	HRB	HRC
Body		Cast Iron: ASTM A48	Ductile Iron: ASTM 536, 18%	Cast Iron: ASTM A48	Ductile Iron: ASTM 536, 18%	Cast Iron: ASTM A48
Cover		Ductile Iron	Ductile Iron	Cast Iron	Ductile Iron	Cast Iron
Closure Plate		Ductile Iron	Ductile Iron	Cast Iron	Cast Iron	Cast Iron
Bracket, Mounting Ring		Cast Iron: ASTM A48				
Spool (GX Models Only)		Cast Iron: ASTM A48				
Pinion		Case Hardened Steel; AISI 8620				
Gear		Steel: AISI 4150				
Output Shaft		Steel: AISI 1050				
Bearings		Single Row, Deep Groove Ball Bearings, Splash Lubricated				
Gaskets		Fiber				

OPERATING LIMITS

Maximum Operating Temperature	180°F (82°C) Maximum Gear Case Temperature
Minimum Operating Temperature	-40°F (-40°C) Minimum Gear Case Temperature
Lubrication	Synthetic oil AGMA Viscosity Grade 4 or ISO Viscosity Grade 150 such as: Mobil SHC 629, Shell Omala 150 HD, Castrol Isolube EP 150 or equivalent.