

Introducing WR®650



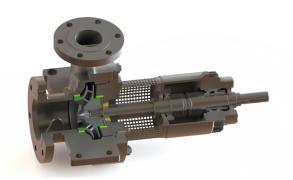
- » PFA/carbon fiber composite
 - Ultimate in pump reliability
 - Enhanced chemical resistance
- » Replaces older PFA technology
 - Better physical properties
 - Better dry run
 - Better material



Applications



Stationary wear parts in all pumps



Over Hung (OH)



Between Bearing (BB)

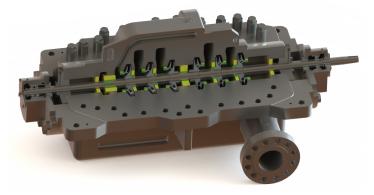


Vertically Suspended (VS)

Improved Physical Properties



- » Higher physical properties
 - Higher pressure applications



Higher compressive modulus = higher differential pressure capabilities

Maximize Reliability – Dry Run



- ISO 7148-2 standard test rig
- No lubrication -> completely dry run
- Open clearance conditions to simulate wear and friction environment

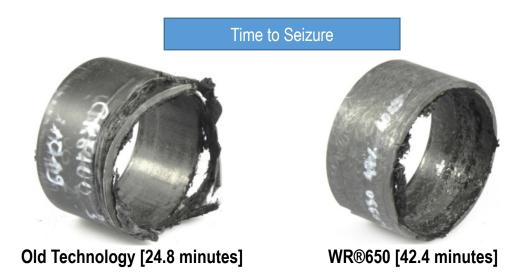


WR®650 can sustain 2.5x higher side load before showing signs of degradation.

Maximize Reliability – Survive Upset



- » ISO 7148-2 standard test rig
- » Test condition initiated with water lubrication.
- » Close clearance environment to simulate loss of lubrication in actual application
- » 26,000 psi*fpm [0.9 MPa*m/s]



Stock Program



Global Stock Program

» Americas (Houston, TX)

» Europe (Nottingham, UK)

» APAC (Singapore)



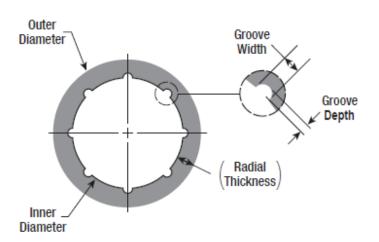
AR®HT GT Part Number	WR®525 GT Part Number	WR®650 GT Part Number	OD Inches (mm)	ID Inches (mm)	Tube Length (mm)
391N0250-0100TS060	914-0250-0100TS060	8023-0250-0100TS060	2.5 (63.5)	1 (25.4)	6 (152.4)
391N0300-0150TS060	914-0300-0150TS060	8023-0300-0150TS060	3 (76.2)	1.5 (38.1)	6 (152.4)
391N0350-0200TS060	914-0350-0200TS060	8023-0350-0200TS060	3.5 (88.9)	2 (50.8)	6 (152.4)
391N0400-0250TS060	914-0400-0250TS060	8023-0400-0250TS060	4 (101.6)	2.5 (63.5)	6 (152.4)
391N0450-0300TS060	914-0450-0300TS060	8023-0450-0300TS060	4.5 (114.3)	3 (76.2)	6 (152.4)
391N0500-0350TS060	914-0500-0350TS060	8023-0500-0350TS060	5 (127)	3.5 (88.9)	6 (152.4)
391N0550-0400TS060	914-0550-0400TS060	8023-0550-0400TS060	5.5 (139.7)	4 (101.6)	6 (152.4)
391N0600-0450TS060	914-0600-0450TS060	8023-0600-0450TS060	6 (152.4)	4.5 (114.3)	6 (152.4)
391N0650-0500TS060	914-0650-0500TS060	8023-0650-0500TS060	6.5 (165.1)	5 (127)	6 (152.4)
391N0700-0550TS060	914-0700-0550TS060	8023-0700-0550TS060	7 (177.8)	5.5 (139.7)	6 (152.4)
391N0750-0600TS060	914-0750-0600TS060	8023-0750-0600TS060	7.5 (190.5)	6 (152.4)	6 (152.4)
391N0800-0650TS060	914-0800-0650TS060	8023-0800-0650TS060	8 (203.2)	6.5 (165.1)	6 (152.4)
391N0850-0700TS060	914-0850-0700TS060	8023-0850-0700TS060	8.5 (215.9)	7 (177.8)	6 (152.4)
391N0900-0750TS060	914-0900-0750TS060	8023-0900-0750TS060	9 (228.6)	7.5 (190.5)	6 (152.4)
391N0950-0800TS060	914-0950-0800TS060	8023-0950-0800TS060	9.5 (241.3)	8 (203.2)	6 (152.4)
391N1000-0850TS060	914-1000-0850TS060	8023-1000-0850TS060	10 (254)	8.5 (215.9)	6 (152.4)
391N1050-0900TS060	914-1050-0900TS060	8023-1050-0900TS060	10.5 (266.7)	9 (228.6)	6 (152.4)
391N1100-0950TS060	914-1100-0950TS060	8023-1100-0950TS060	11 (279.4)	9.5 (241.3)	6 (152.4)
391N1150-1000TS060	914-1150-1000TS060	8023-1150-1000TS060	11.5 (92.1)	10 (254)	6 (152.4)
391N1200-1050TS060	914-1200-1050TS060	8023-1200-1050TS060	12 (304.8)	10.5 (266.7)	6 (152.4)

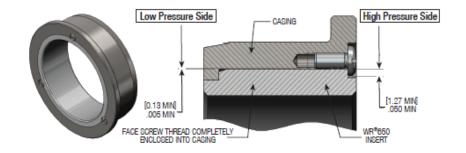
Technical Support

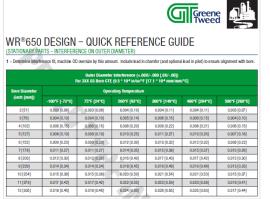


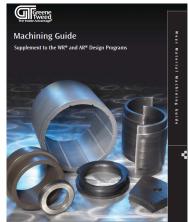
Tools Available

- » Design Reference Guide
- » Machining Guide
- » Global engineering staff









Complete Composite Portfolio





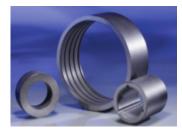
WR®300 Wear resistant Sub-zero to 275°F (135°C)



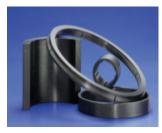
AR®HT
Best abrasive resistance
Sub-zero to 250°F (120°C)



AR®1
Abrasive resistant
Sub-zero to 120°F (50°C)



WR®650
Best chemical resistance
Best dry run capability
Sub-zero to 500°F (260°C)



WR®525
Highest pressure applications
Best wear resistance
Sub-zero to 525°F (275°C)



