

**RO-SERIES MALE HYDRAULIC COUPLING DATA SHEET<sup>1</sup>**

**Body Material**

Nitronic 50 HS

<b>Component Materials</b>	
Poppet Assembly	K500/316 SS
Spring	Elgiloy/Inconel X-750
Spring Seat	316 SS
Spring Seat Retainer	316 SS/Elgiloy
Thrust Washer	Nitronic 60/50 HS
Washer Retaining Clip	Inconel X-750
Retaining Nut	Nit 60/Nit 50 HS/316 SS
Guide Sleeve	Nit 50 HS

<b>Seal Material</b>		
Poppet Seal	Delrin	(-DL)

<b>Options</b>		
Poppet Seal	PEEK	(-PK)
Poppet	Bleeder	(-B)
	No Poppet	(-NP)

<b>Performance</b>				
Part Series	Pressure Rating		Flow Coefficient (Cv)	
	Delrin Poppet Seal	PEEK Poppet Seal	Poppet (200 psi)	No Poppet
RO-4-A (1/4")	10,000 psi	17,500 psi	.53	2.6
RO-8-A (1/2")	10,000 psi	15,000 psi	1.9 <sup>2</sup>	6.7
RO-16-A (1")	10,000 psi	15,000 psi	5.5	16.4

- Notes:
1. Coupling Drawings or Part-Specific Data Sheets take precedence.
  2. Cv = 1.2 when equipped with 800 psi cracking-pressure poppet spring.

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