Annexure-A

251

Helicoflex Metal O-Rings (Spring Energized Type)

Sr.#	Description	Material / Spec	Qty. (Nos.)
1	Metal O-Ring Outside Diameter = 21.6 mm,made of Stainless Steel tube having (1.85 mm) cross section	Stainless Steel	11
2	Metal O-Ring Outside Diameter = 42.4 mm,made of Stainless Steel tube having (2.2mm) cross section	as per attached specification No. DNT003-SS001-TS-01/ 301 (Rev.1)(Annexure- C) (Sketches are attached at	11
	Metal O-Ring Outside Diameter = 59.3 mm,made of Stainless Steel tube having (3 mm) cross section	Annexure - (3)	11

Note:

Main Specifications for above mentioned O-rings are as following:

□ Material of construction = Stainless steel

□ Type of Seal: Helium Sealing (Pressure: Vacuum to 15 Psi), HN 200 (Spring Energized type), Jacketed with inner Lining

□ Working Temperature : Cryogenic to 700°F (371°C)

□ For further details please see attached Annexure "C"

□ Manufacturer/Brand : Garlock Helicoflex or Equivalent

• Manufacturer certificate showing technical compliance to required specification have to be provided.

• Please also submit duly filled check list at Annexure B, along with quotation

Annexure-B

Check List

- All the technical details i.e Sealing parameters, required dimensions and load characteristics given in applicable specification no. DNT003-SS001-TS-01/ 301 (Annex.of tender documents) have been carefully read and understood.
- 2- Manufacturer certificate showing technical compliance to required specification will be provided.
- 3- Manufacturer's name/ brand and identification should be marked / tagged with O rings and these should be traceable to relevant Certificate.
- 4- In case of offer of equivalent brand, it is certified that Offered O rings are technically equivalent to required brand.
- 5- Type of Seal is Helium Sealing (Pressure: Vacuum to 15 Psi)
- 6- Offered O -rings are suitable for working temperatures of Cryogenic to 700⁰F (371 Centigrade)
- 7- Offer/ quotation does not contain condition or requirement of " End user certificate" to be provided by the buyer.

Note:

Please submit check list along with your quotation, after encircling either "Yes" or "No"

Signature / Stamp of Supplier

YesNoYesNoYesNoYesNoYesNoYesNoYesNo

Car

No

Yes

TECHNICAL SPECIFICATIONS OF METAL O-RING

A. . . .

Code Calculated Loads:

S. #	O-ring Cross	Operating	Hydrostatic	Min. Service	Min. Tightening
	section	Load	Force	Load	Load to apply on
	Diameter				Bolt
1.	1.85 mm	5339 Ibs	8.5 Ibs	22.1 Ibs	30.6 Ibs
2.	2.2 mm	13485 Ibs	32.86 Ibs	48 Ibs	80.871 Ibs
3.	3 mm	24034 Ibs	64 Ibs	70 Ibs	134 Ibs
				1	1





