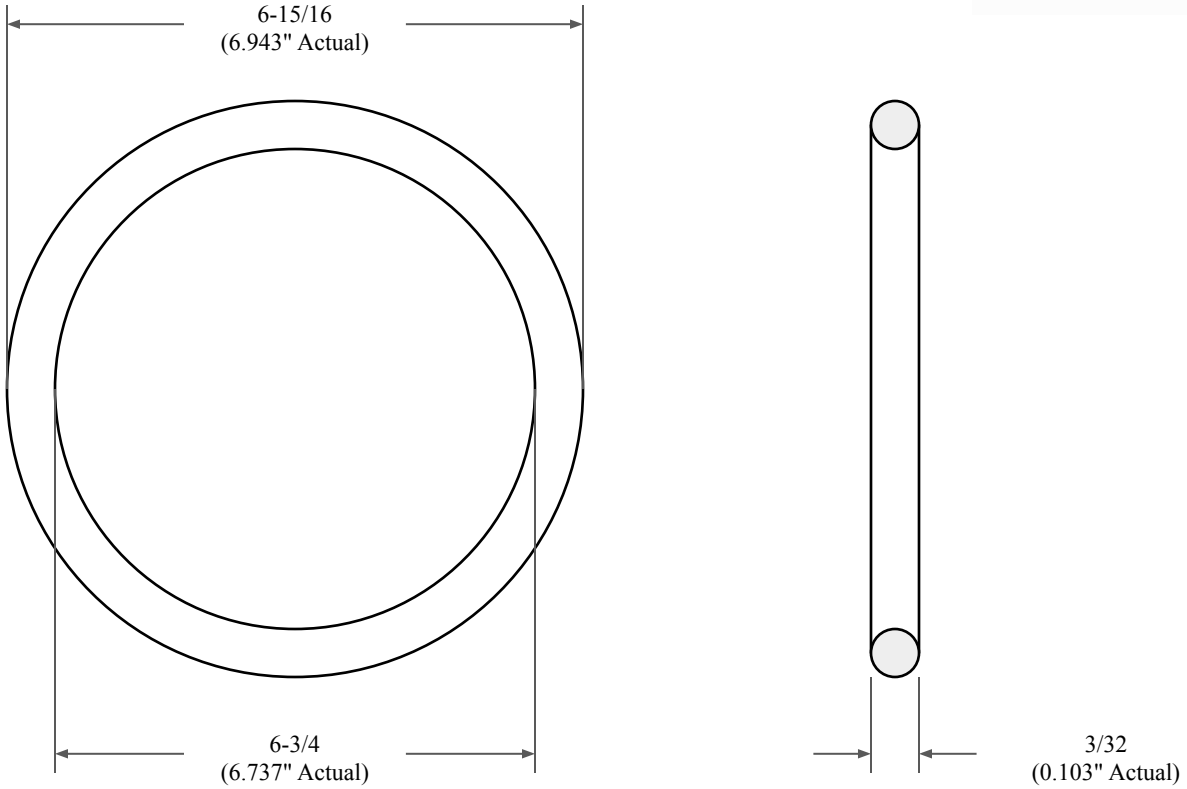

CS: 0.103" ±0.003" (2.62 mm ±0.08 mm)

ID: 6.737" ±0.040" (171.12 mm ±1.02 mm)

GLOBAL O-RING and SEAL
ALL-AROUND BETTER

14450 John F. Kennedy Blvd.
Houston, TX 77032

www.globaloring.com

Information in this drawing is provided for reference only

PART NUMBER **A80166**

Aflas 80 Duro AS568 Size 166 O-Ring

Compound	A80-F101	AFLAS®, Black, General Purpose
	Temperature Range (Static):	-10°C to 220°C
	Cure System:	Peroxide
	Specification:	M2HK810 A1-10 B37 B38

Compound Previously Known As: A80101

		Required Results	Typical Results
Properties	Hardness, (Shore A)	80±5	81
	Tensile Strength, psi(MPa)	1450(10)(min)	2772(19.11)
	Elongation, (%)	150(min)	224
	Tear Resistance, Kgf/cm (die C)		41
	Modulus at 100%, psi(Mpa)		1256(8.66)
	Modulus at 200%, psi(Mpa)		2641(18.21)
	Specific Gravity		1.62
A1-10	Hardness Change, pts.		0
	Tensile Strength Change, %		-20
	Elongation Change, %		-14
	Weight Change, %		-4.5
A	Hardness Change, pts.	+10 (max)	-1
	Tensile Strength Change, %	-25 (max)	-58
	Elongation Change, %	-25 (max)	-6
	Weight Change, %		8.4
B37	-	50%(plied)(max)	47
B38	-		50
Service Liquid No. 101 Oil	Hardness Change, pts.		-22
	Tensile Strength Change, %		-31
	Elongation Change, %		+22
	Volume Change, %		+24.8
Mobil Jet Oil II	Hardness Change, pts.		-15
	Tensile Strength Change, %		-26
	Elongation Change, %		+15
	Volume Change, %		+20
ASTM Fuel C Resistance	Hardness Change, pts.		-41
	Tensile Strength Change, %		-66
	Elongation Change, %		-36
	Volume Change, %		+75.9