



Encapsulated Kamlock™ Gasket Seals

Data Sheet



Features Summary

- Universal hose coupling seal
- Seamless FEP encapsulation
- Extreme chemical resistance
- Non-contaminating
- Silicone or Viton® inner core
- Wide temperature range
- Sizes to suit all common cam and groove couplings

Product Benefits

- No need to specify different elastomer materials for different applications
- Leak-free performance: low compression set and elastomer core energiser avoids cold flow leakage
- Easy installation and maintenance due to the non-stick surface with low coefficient of friction
- Consistent encapsulation flatness and smoothness
- Sanitary, sterilisable and FDA / EC specification compliant encapsulation
- Superior seal for bulk liquid transfer couplings in manufacturing, distribution or storage
- Elimination of coupling leakage from chemical attack or creep issues, unlike traditional solid PTFE gaskets

Silicone Core



FEP Encapsulation



Viton® Core

Material Options

Encapsulation	FEP
Inner core	Silicone or Viton®

Size Range and Tolerances

Coupling Size		Gasket Dimensions (inches)			Gasket Dimensions (mm)		
Inches	mm	OD	ID	Cross-Section	OD	ID	Cross-Section
0.500	12.70	1.024 (±.020)	0.669 (±.020)	0.157 (±.006)	26.00 (±0.51)	17.00 (±0.51)	4.00 (±0.15)
0.750	19.00	1.375 (±.025)	0.875 (±.020)	0.218 (±.006)	35.00 (±0.63)	22.20 (±0.63)	5.54 (±0.15)
1.000	25.40	1.563 (±.025)	1.063 (±.025)	0.250 (±.006)	39.70 (±0.63)	27.00 (±0.63)	6.35 (±0.15)
1.250	31.70	1.938 (±.030)	1.359 (±.030)	0.250 (±.006)	49.20 (±0.76)	34.50 (±0.76)	6.35 (±0.15)
1.500	38.00	2.188 (±.035)	1.625 (±.035)	0.250 (±.006)	55.60 (±0.89)	41.30 (±0.89)	6.35 (±0.15)
2.000	50.80	2.625 (±.035)	2.000 (±.035)	0.250 (±.006)	66.70 (±0.89)	50.80 (±0.89)	6.35 (±0.15)
2.500	63.50	3.125 (±.035)	2.375 (±.035)	0.250 (±.006)	79.40 (±0.89)	60.30 (±0.89)	6.35 (±0.15)
3.000	76.20	3.719 (±.040)	3.000 (±.040)	0.250 (±.006)	94.50 (±1.02)	76.20 (±1.02)	6.35 (±0.15)
4.000	101.60	4.875 (±.040)	4.000 (±.040)	0.250 (±.006)	123.60 (±1.02)	101.60 (±1.02)	6.35 (±0.15)
6.000	152.40	7.063 (±.060)	6.000 (±.060)	0.250 (±.006)	179.40 (±1.52)	152.40 (±1.52)	6.35 (±0.15)

Guidance only: Product performance is dependent on many factors and operating conditions. Thorough independent product and equipment testing is always advised before proceeding with installation for the final intended use.

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Mechanical Seals | FEP/PFA Encapsulated 'O'-Rings | Gland Packing | Expanded PTFE Gasketing