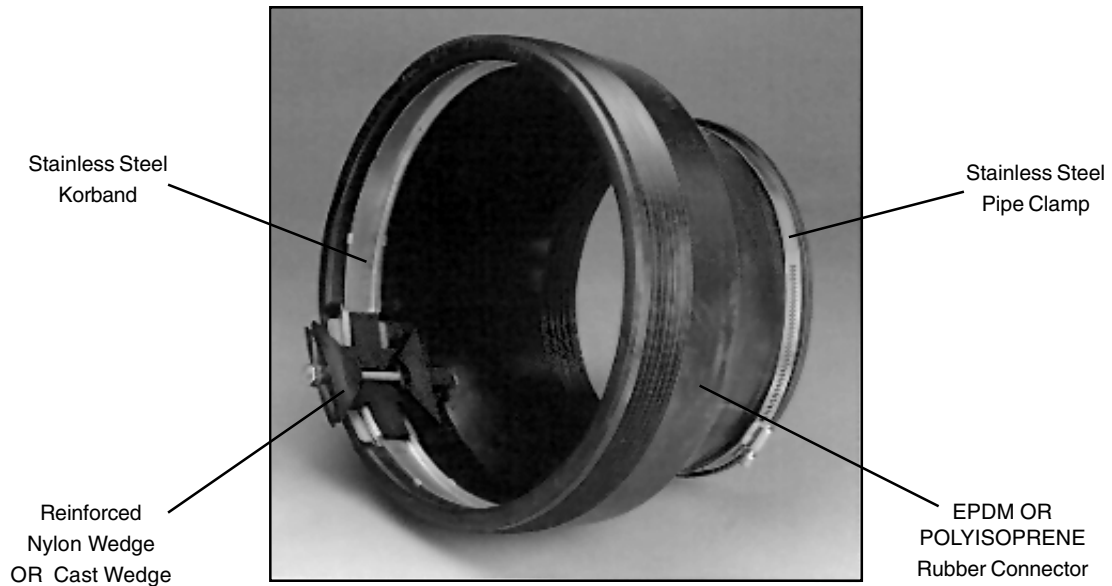




KOR-N-SEAL® I & II

FLEXIBLE PIPE-TO-MANHOLE CONNECTORS
SPECIFICATION SHEET



KOR-N-SEAL® I - WEDGE KORBAND CONNECTOR ASSEMBLY



Install Kor-N-Seal® I - Wedge Korbond
With Socket Wrench & Torque Limiter



Install Kor-N-Seal® II - Wedge Korbond
With Standard Torque Wrench



Install Pipe Clamp(s)
With T-Handle Torque Wrench





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FLEXIBLE PIPE-TO-MANHOLE CONNECTORS

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PERFORMANCE

Test	ASTM Method	Test Requirements	Kor-N-Seal® I & II
Head Pressure	C923 - 7.1	10 psi (23 ft) for 10 min.	+10 psi for 10 min.
Deflection Test	C923 - 7.2.2	7° in any direction	Over 7° in any direction
Load Test	C923 - 7.2.3	150 lbs/in. pipe dia.	Over 150 lbs/in. pipe dia.

Performed on all sizes of Kor-N-Seal® Connectors with no leakage occurring initially nor during the 24 hour test period.

RESILIENT EPDM OR POLYISOPRENE RUBBER

Conforms to ASTM C923

Test	ASTM Method	Test Requirements	Kor-N-Seal® I & II
Chemical Resistance	D543, at 22°C for 48 h		
1 N Sulfuric Acid		No weight loss	No weight loss
1 N Hydrochloric Acid		No weight loss	No weight loss
Tensile Strength	D412	1200 psi	1580 psi
Elongation at Break		350% min.	500%
Hardness	D2240 (shore A durometer)	± 5 from the manufacturer's specified hardness	48 ± 5
Accelerated Oven-aging	D573 70 ± 1°C for 7 days	Decrease of 15%, max. of original tensile strength, decrease of 20% max. of elongation	10.1% tensile decrease 14.0% elongation decrease
Compression Set	D395, method B, at 70°C for 22 h	Decrease of 25%, max. of original deflection	13% decrease
Water Absorption	D471, immerse 0.75 by 2-in. specimen in distilled water at 70°C for 48 h	Increase of 10%, max. of original by weight	.8% increase
Ozone Resistance	D1171	Rating 0	Rating 0
Low-temperature Brittle Point	D746	No fracture at -40°C	No fracture at -40°C
Tear Resistance	D624, method B	200 lbf/in.	No tear at 210 lbf/in.

INTERNAL KORBAND

Conforms to ASTM C923 and ASTM A167

Korband Assembly with toggle-type expander is manufactured of 304 series non-magnetic stainless steel. Korband Assembly with wedge-type expander is manufactured of 304 series non-magnetic stainless steel. The Kor-N-Seal® I wedge assembly is manufactured from reinforced nylon or 304SS Cast Steel.

EXTERNAL PIPE CLAMP

Conforms to ASTM C923 and ASTM A167

External take-up clamps are manufactured of 304 series non-magnetic stainless steel. The bolt assembly is manufactured of 305 Series non-magnetic stainless steel.

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