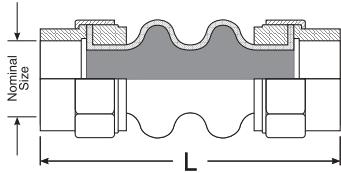




HTDRU Series



Construction — Nylon fabric-reinforced neoprene body with cast ductile iron ground pipe unions.

Features —

- Superb vibration absorption.
- Effective for large eccentricity thermal and bending angles.
- Low-cost installation and operation.
- Excellent for use with moderate chemicals and acids, most oils, fats and grease and many solvents. **Not for use with oxidizing acids, esters and ketones.**

HTDRU Series Double Sphere Threaded Union Rubber Expansion Joints

Part No.	Diameter		"L" In.	Allowable Movement				Operating Condition			Weight Each (lbs.)	List Price
	In.	mm		Axial Compression	Axial Elongation	Transverse Deflection	Angular Deflection	Max. Pressure PSIG	Max. Temp. ° F.	Vacuum Rating HG In.		
HTDRU 75	3/4"	20	8"	7/8"	1/4"	7/8"	45°	150	240	16	1.8	
HTDRU 100	1"	25	8"	7/8"	1/4"	7/8"	45°	150	240	16	2.75	
HTDRU 125	1 1/4"	32	8"	7/8"	1/4"	7/8"	45°	150	240	16	3.5	
HTDRU 150	1 1/2"	40	8"	7/8"	1/4"	7/8"	45°	150	240	16	4.0	
HTDRU 200	2"	50	8"	7/8"	1/4"	7/8"	45°	150	240	16	5.0	

Elastomer Physical Properties & Chemical Resistance

Material Designation	Common Name					
	Neoprene Chloroprene	Natural Rubber Polyisoprene, Synthetic	BUTYL Isobutene-Isoprene	BUNA-N/Nitrile Nitrile-Butadiene	Hypalon Chloro-Sulfonyl-Polyethylene	EPDM Ethylene-Propylene-Diene-Terpolymer
ANSI/ASTM D1418-17	CR	IR	IIR	NBR	CSM	EPDM
ASTM D-2000 SAE J-200	BC BE	AA	AA	BF BK CH	CE	BA CA DA
Ozone	VG	X	E	F	O	O
Weather	E	F	VG	F	E	E
Sunlight	VG	X	VG	X	O	E
Oxidation	VG	G	E	G	E	O
Heat	G	F	VG	G	G	E
Cold	VG	VG	G	FG	G	VG
Flame	G	X	X	X	G	X
Tear	G	VG	G	FG	FG	G
Abrasion	VG	E	G	G	G	VG
Impermeability	G	F	E	G	G	G
Dynamic	F	F	F	VG	F	VG
Rebound-Hot	VG	E	VG	G	G	E
Rebound-Cold	G	E	X	G	F	E
Comp. Set	F	E	FG	VG	F	G
Tensile Strength	G	E	G	VG	F	VG
Dielectric Strength	VG	E	VG	X	VG	O
Electrical Insulation	FG	VG	VG	PF	FG	E
Water Absorption	G	VG	VG	G	G	E
Radiation	VG	E	G	VG	VG	O
Swelling in Oil	G	X	X	VG	G	X
Acid, Dilute	E	FG	E	G	E	E
Acid, Concentrated	G	FG	G	G	G	G
Aliphatic Hydrocarbons	FG	X	X	E	FG	X
Aromatic Hydrocarbons	F	X	X	G	F	X
Oxygenated Hydrocarbons	PF	G	G	X	PF	E
Lacquers	X	X	FG	F	X	FG
Oil & Gasoline	G	X	X	VG	G	X
Alkali, Dilute	G	ND	G	G	G	E
Alkali, Concentrated	X	ND	G	X	G	E
Animal & Vegetable Oil	G	ND	VG	VG	G	VG
Chemical	FG	FG	E	FG	E	E
Water	G	VG	VG	G	VG	VG

Note: This chart is only intended for use as a general guide. Specific elastomer compounds produced by various manufacturers may have different properties. Where chemical-resistance and mechanical characteristics are important, the product should be tested using the exact chemical formulation and under the exact environmental conditions the product will normally encounter in service.

Key to Ratings:

FG – Fair-to-Good

O – Outstanding
F – Fair

E – Excellent
PF – Poor-to-Fair

VG – Very Good
X – Poor

G – Good
ND – No Data

All prices and specifications subject to change without notice.