



DEF HOSE



TRU-BLUE 



FLEXTRAL PE60-075 3/4" TRU-BLUE DEF HOSE

CERTIFIED & TESTED TO ISO-22241

TUBE

- Specially Formulated Polyurethane

COVER

- Specially Formulated TPR

APPLICATIONS

- DEF, AUS 32, oil, diesel

FEATURES

- **Clean Certified DEF Assemblies Available.**
- Lighter in weight than comparable rubber hose
- Oil Resistant unlike EPDM hoses.
- TPR cover has better resistance to UV, ozone and cracking than conventional rubber.
- 3P Quality Procedures
 - 3P Purity hose manufacturing
 - 3P Purity coupling manufacturing
 - 3P Purity assembly procedure
- Meets or exceeds U.S. & European requirements
- Hose has been tested and certified to ISO-22241



COUPLINGS

- X2 Grip -- proprietary shank design
- Passivated per ASTM A967-Nitrie 1 or ASM 2700 type 2
- SS Couplings available in NPTF Male Solid, NPTF Male Swivel, BSPP Male Solid, BSPP Male Swivel, BSPP Female Solid, BSPP Female Swivel.

TEMPERATURE

- -14° F to +140° F (-10° C to +60° C)



IMPORTANCE OF QUALITY

ISO 22241			
Specification	Limits	Units	Why Important
Urea	31.8-33.2	% by weight	
Density (at 77°F)	9.05-9.09	pounds/gal	
Refractive Index (at 77°F)	1.3814-1.3843		
Alkalinity (as Ammonia)	max .2	% by weight	Determines shelf life
Insoluble's	max .002	% by weight	Clogs spray nozzles
Calcium	max .00005	% by weight	
Magnesium	max .00005	% by weight	
Aldehyde	max .0005	% by weight	Forms gummy deposit in exhaust pipe
Sodium	max .00005	% by weight	Will damage catalyst
Potassium	max .00005	% by weight	
Phosphate	max .00005	% by weight	
Biuret	max .3	% by weight	
Aluminum	max .00005	% by weight	
Iron	max .00005	% by weight	
Copper	max .00002	% by weight	
Zinc	max .00002	% by weight	
Chromium	max .00002	% by weight	
Nickel	max .00002	% by weight	

Teaspoons required to make a 4,800 gallon tanker of DEF non-compliant under ISO 22241

Copper	0.1 Teaspoons
Zinc	0.1 Teaspoons
Chromium	0.1 Teaspoons
Nickel	0.1 Teaspoons
Phosphorus	1.1 Teaspoons
Calcium	1.3 Teaspoons
Iron	0.3 Teaspoons
Aluminum	0.7 Teaspoons
Magnesium	1.2 Teaspoons
Sodium	2.1 Teaspoons
Potassium	2.3 Teaspoons





PE60 DIESEL EXHAUST FLUID (DEF)



Application:

A light weight hose for dispensing pump applications. Designed specifically for diesel exhaust fluid (DEF), this flexible, ozone and abrasion resistant hose has been tested and certified ISO-22241. PE60 is also resistant to oil, diesel, Ad-Blue, and DEF.

Construction:

Tube - Specially formulated PU

Reinforcement - Synthetic yarn

Cover - Specially blended TPR

Branding - FLEXTRAL PE60-075 3/4" TRU-BLUE DEF HOSE
210 PSI MAX ISO-22241

Temperature Range:

-20°C to +70°C (-4°F to +158°F)

Part No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Weight (lbs./ft.)	Stand. Lengths
PE60-050	1/2	0.75	210	0.20	200'
PE60-075	3/4	1.03	210	0.24	200'
PE60-100	1	1.38	210	0.42	200'

• Clean Certified DEF Assemblies Available.

PE70 DIESEL EXHAUST FLUID (DEF)



Application:

An extremely flexible hose that is designed for suction service or in tight areas where non supported hose tends to restrict flow or collapses. This product is manufactured with the same liner as our PE60 and is specifically designed to handle DEF, Ad-Blue, oil, and diesel. PE70 has been tested and certified to ISO-22241

Construction:

Tube - Specially formulated PU

Reinforcement - Helix wire

Cover - Specially blended TPR

Branding - FLEXTRAL PE70-075 3/4" TRU-BLUE DEF HOSE
SUCTION / DISCHARGE 75 PSI MAX ISO-22241

Temperature Range:

-20°C to +70°C (-4°F to +158°F)

Part No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Bend Radius	Weight (lbs./ft.)	Stand. Lengths
PE70-075	3/4	1.03	75	3.2"	0.26	100'

• Clean Certified DEF Assemblies Available.



PE75 DIESEL EXHAUST FLUID (DEF)



Application:

A heavier duty hose for DEF applications. This suction discharge hose is ideal for truck delivery and tank applications. Available in long lengths for reel applications with a low friction cover to reduce drag. PE75 is tested and certified to ISO-22241, and is also resistant to oil, diesel, Ad-Blue, and DEF.

Construction:

Tube - Specially formulated PU

Reinforcement - Synthetic yarn with helix

Cover - Blue specially blended TPR

Branding - FLEXTRAL PE75-100 1" TRU-BLUE DEF HOSE
SUCTION / DISCHARGE 175 PSI MAX ISO-22241

Temperature Range:

-25°C to +70°C (-13°F to + 158°F)

Part No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Weight (lbs./ft.)	Bend Radius	Stand. Lengths
PE75-100	1	1.42	175	0.45	3.54"	200'
PE75-125	1 ¼	1.66	175	0.52	4.33"	200'
PE75-150	1 ½	2.01	175	0.77	5.31"	200'
PE75-200	2	2.51	175	1.075	6.69"	200'

- Clean Certified DEF Assemblies Available.



DIESEL EXHAUST FLUID (DEF) FITTINGS

All Flextral DEF Fittings are manufactured to Flextral's 3P cleanliness and purity standard.

Male BSPP Solid Stainless



Hose Size	Part No.
3/4" x 3/4"	DEF12-12MBSPP-SS
3/4" x 1"	DEF12-16MBSPP-SS
1" x 1"	DEF16-16MBSPP-SS

Male BSPP Swivel Stainless



Hose Size	Part No.
3/4" x 3/4"	DEF12-12MBSPPX-SS
3/4" x 1"	DEF12-16MBSPPX-SS
1" x 1"	DEF16-16MBSPPX-SS

Male NPT Solid Stainless



Hose Size	Part No.
1/2" x 1/2"	DEF08-08MP-SS
3/4" x 3/4"	DEF12-12MP-SS
1" x 1"	DEF16-16MP-SS
1 1/4" x 1 1/4"	DEF20-20MP-SS
1 1/2" x 1 1/2"	DEF24-24MP-SS
2" x 2"	DEF32-32MP-SS

Male NPT Swivel Stainless



Hose Size	Part No.
3/4" x 3/4"	DEF12-12MPX-SS
3/4" x 1"	DEF12-16MPX-SS
1" x 1"	DEF16-16MPX-SS

Female BSPP Solid Stainless



Hose Size	Part No.
3/4" x 1"	DEF12-16FBSPP-SS

Female BSPP Swivel Stainless



Hose Size	Part No.
3/4" x 3/4"	DEF12-12FBSPPX-SS
3/4" x 1"	DEF12-16FBSPPX-SS
1" x 1"	DEF16-16FBSPPX-SS

Male NPT Polypropylene



Hose Size	Part No.
1/2" x 1/2"	DEF08-08MP-PP
1/2" x 3/4"	DEF08-12MP-PP
3/4" x 3/4"	DEF12-12MP-PP
3/4" x 1"	DEF12-16MP-PP
1" x 3/4"	DEF16-12MP-PP
1" x 1"	DEF16-16MP-PP
1" x 1/4"	DEF16-20MP-PP
1 1/4" x 1 1/4"	DEF20-20MP-PP
1 1/2" x 1 1/2"	DEF24-24MP-PP
2" x 2"	DEF32-32MP-PP



NOTES

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DEF PRODUCTS



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