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PIN LUG
HOSE NIPPLE

SHANK



SEALFAST
THE SIMPLE SOLUTION



INDEX

- PIN LUG 2-3
- HOSE SHANK NIPPLES 4-5
- TECHNICAL DATA 6-9

TERMS:

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Extra care is taken in the preparation of this literature but Seal Fast, Inc. is not responsible for any inadvertent typographical errors or omissions.

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- We reserve the right to alter product specifications without notice.

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- Seal Fast is constantly doing our best to maintain pricing levels. However, circumstances change and while many prices go down, others will increase.
- Please contact your sales associate for current pricing.

SHANK

PIN LUG

PIN LUG

SHANK

ALUMINUM SHANK w/BRASS NUT - NPSH AND NST

Note: Working pressures are directly related to the hose and coupling installation.



Size	Threads	WORKING PSI	ALUMINUM					
			Complete Set		Female w/Brass Pin Swivel Lug		Male Shank	
			Part #	List	Part #	List	Part #	List
1-1/2"	NPSH	150	AL150S		AL150F		AL150M	
2"	NPSH	150	AL200S		AL200F		AL200M	
2-1/2"	NPSH	150	AL250S		AL250F		AL250M	
3"	NPSH	150	AL300S		AL300F		AL300M	
4"	NPSH	150	AL400S		AL400F		AL400M	
6"	NPSH	150	AL600S		AL600F		AL600M	
1-1/2"	NST	150	*AL 150S-NST		*AL150F-NST		*AL150M-NST	
2-1/2"	NST	150	*AL 250S-NST		*AL250F-NST		*AL250M-NST	

*NST Threads

BRASS SHANK- NPSH AND NST

Note: Working pressures are directly related to the hose and coupling installation.

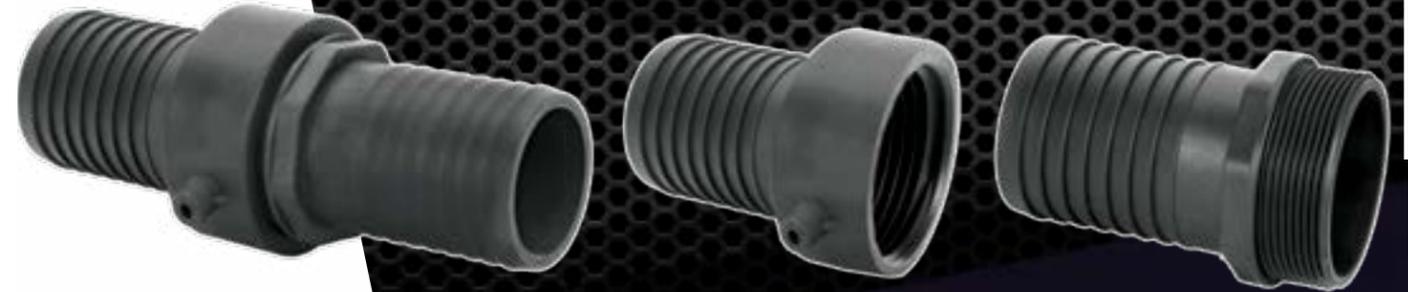


Size	Threads	WORKING PSI	BRASS					
			Complete Set		Female w/Pin Swivel Lug		Male Shank	
			Part #	List	Part #	List	Part #	List
1-1/2"	NPSH	150	BSS150		BSS150F		BSS150M	
2"	NPSH	150	BSS200		BSS200F		BSS200M	
2-1/2"	NPSH	150	BSS250		BSS250F		BSS250M	
3"	NPSH	150	BSS300		BSS300F		BSS300M	
1-1/2"	NST	150	*BSS150NH		*BSS150NHF		*BSS150NHM	
2"	NST	150	*BSS200NH		*BSS200NHF		*BSS200NHM	
2-1/2"	NST	150	*BSS250NH		*BSS250NHF		*BSS250NHM	

*NST Threads

POLYPROPYLENE SHANK - NPSH

Note: Working pressures are directly related to the hose and coupling installation.



Size	WORKING PSI	POLYPROPYLENE					
		Complete Set		Female w/Pin Swivel Lug		Male Shank	
		Part #	List	Part #	List	Part #	List
1"	75	PP100S		PP100F		PP100M	
1-1/4"	75	PP125S		PP125F		PP125M	
1-1/2"	75	PP150S		PP150F		PP150M	
2"	75	PP200S		PP200F		PP200M	
3"	75	PP300S		PP300F		PP300M	

REPLACEMENT GASKETS - SHANK COUPLINGS

Size	SBR	
	Part #	List
1/2"	RW050	
3/4"	RW075	
1"	RW100	
1-1/4"	RW125	
1-1/2"	RW150	
2"	RW200	
2-1/2"	RW250	
3"	RW300	
4"	RW400	
5"	---	
6"	RW600	



Do not use with any compressed gas, including steam or air. Metal fittings should not be used

SHANK

SHANK

LONG SHANK HOSE NIPPLE - HEX SWIVEL W/NPSH THREADS

Note: Working pressures are directly related to the hose and coupling installation.



Size	WORKING PSI	*ZINC PLATED STEEL & **ZINC PLATED IRON					
		Complete Set		Female		Male	
		Part #	List	Part #	List	Part #	List
*1/2"	150	SLS050		SLS050F		SLS050M	
*3/4"	150	SLS075		SLS075F		SLS075M	
*1"	150	SLS100		SLS100F		SLS100M	
**1-1/4"	150	SLS125C		SLS125CF		SLS125CM	
**1-1/2"	150	SLS150C		SLS150CF		SLS150CM	
**2"	150	SLS200C		SLS200CF		SLS200CM	

LONG SHANK HOSE NIPPLE - HEX SWIVEL W/NPSH THREADS

Note: Working pressures are directly related to the hose and coupling installation.



Size Hose x Thread	WORKING PSI	BRASS					
		Complete Set		Female		Male	
		Part #	List	Part #	List	Part #	List
1/2" x 3/4" NPSH	150	BLS050075		BLS050075F		BLS050075M	
1/2" x 3/4" GHT	150	BLS050075GHT		BLS050075GHTF		BLS050075GHM	
5/8" x 3/4" NPSH	150	BLS058075		BLS058075F		BLS058075M	
5/8" x 3/4" GHT	150	BLS058075GHT		BLS058075GHTF		BLS058075GHM	
3/4" x 3/4" NPSH	150	BLS075		BLS075F		BLS075M	
3/4" x 3/4" GHT	150	BLS075GHT		BLS075GHTF		BLS075GHM	
1" x 1" NPSH	150	BLS100		BLS100F		BLS100M	
1-1/4" x 1-1/4" NPSH	150	BLS125		BLS125F		BLS125M	
1-1/2" x 1-1/2" NPSH	150	BLS150		BLS150F		BLS150M	
1-1/2" x 1-1/2" NST	150	BLS150NH		BLS150NHF		BLS150NHM	
2" x 2" NPSH	150	BLS200		BLS200F		BLS200M	
2-1/2" x 2-1/2" NPSH	150	BLS250		BLS250F		BLS250M	
2-1/2" x 2-1/2" NST	150	BLS250NH		BLS250NHF		BLS250NHM	
3" x 3" NPSH	150	BLS300		BLS300F		BLS300M	

HOSE MENDERS



Size	BRASS	
	Part #	List
1/8"	HM-2	
3/16"	HM-3	
1/4"	HM-4	
5/16"	HM-5	
3/8"	HM-6	
1/2"	HM-8	
5/8"	HM-10	
3/4"	HM-12	

SHORT SHANK HOSE NIPPLE

Note: Working pressures are directly related to the hose and coupling installation.



Size Hose x Thread	WORKING PSI	BRASS					
		Complete Set		Male		Female	
		Part #	List	Part #	List	Part #	List
3/8" x 3/4" NPSH	150	BSS038075		BSS038075F		BSS038075M	
3/8" x 3/4" GHT	150	BSS038075GHT		BSS038075GHM		BSS038075GHM	
1/2" x 3/4" NPSH	150	BSS050075		BSS050075F		BSS050075M	
1/2" x 3/4" GHT	150	BSS050075GHT		BSS050075GHM		BSS050075GHM	
5/8" x 3/4" NPSH	150	BSS058075		BSS058075F		BSS058075M	
5/8" x 3/4" GHT	150	BSS058075GHT		BSS058075GHM		BSS058075GHM	
3/4" x 3/4" NPSH	150	BSS075		BSS075F		BSS075M	
3/4" x 3/4" GHT	150	BSS075GHT		BSS075GHM		BSS075GHM	
1" x 1" NPSH	150	BSS100		BSS100F		BSS100M	
1-1/4" x 1-1/4" NPSH	150	BSS125		BSS125F		BSS125M	

HOSE NIPPLE - MALE NPT x HOSE BARB

Note: Working pressures are directly related to the hose and coupling installation.



Size Thread X Hose	Working PSI	Zinc Plated Steel		316 SS	
		Part #	List	Part #	List
1/8" x 1/4"	150	HN018025		HNSS018025	
1/4" x 1/4"	150	HN025025		HNSS025025	
1/4" x 3/8"	150	HN025038		HNSS025038	
1/4" x 1/2"	150	HN025050		HNSS025050	
3/8" x 1/4"	150	HN038025		HNSS038025	
3/8" x 3/8"	150	HN038038		HNSS038038	
3/8" x 1/2"	150	HN038050		HNSS038050	
1/2" x 3/8"	150	HN050038		HNSS050038	
1/2" x 1/2"	150	HN050050		HNSS050050	
1/2" x 3/4"	150	HN050075		HNSS050075	
3/4" x 1/2"	150	HN075050		HNSS075050	
3/4" x 3/4"	150	HN075075		HNSS075075	
3/4" x 1"	150	HN075100		HNSS075100	
1" x 3/4"	150	HN100075		HNSS100075	
1" x 1"	150	HN100100		HNSS100100	

TECHNICAL DATA

CORROSION RESISTANCE OF COUPLING MATERIALS

CAUTION: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

RATINGS: 1. Excellent 2. Good 3. Fair Conditional x. Not Satisfactory **NOTES:** No rating indicates no data available

AGENT	Mall. From Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Acetate, Solvents, Crude		3				2	1	1	2
Acetate, Solvents, Pure		1	1	1		1	1	1	1
Acetic Acid	X	X	X	2	1	X	2	2	2
Acetic Acid Vapor	X	X		3		X	2	2	3
Acetic Anhydride	X	X		2		X	2	2	2
Acetone	1	1	1	1	1	1	1	1	1
Acetylene	1	2		1		1	1	1	2
Alcohols	1	2		1		1	1	1	1
Aluminum Sulfate	X	3	3	3	1	X	3	2	2
Alums	X	3	2	3	1	X	3	2	2
Ammonia Gas	1	X	3	1	3	1	1	1	X
Ammonium Chloride	1	3		1*		3	3	1	1
Ammonium Hydroxide	2	X		2		1	1	1	3
Ammonium Nitrate	1	X		2		1	1	1	3
Ammonium Phosphate (Ammoniacal)		X				1	1	1	2
Ammonium Phosphate (Neutral)		3				1	1	1	2
Ammonium Phosphate (Acid)		3				3	2	1	2
Ammonium Sulfate	1	3				2	1	1	2
Asphalt	1	2				2	1	1	1
Beer	2	2	1	1		X	1	1	1
Beet Sugar Liquors	1	2		1		2	1	1	1
Benzene, Benzol	1	1	1	1	1	1	1	1	1
Benzine (petroleum-naphtha)	1	1		1		1	1	1	1
Borax	2	2				1	1	1	1
Boric Acid	X	3		1		3	2	1	1
Butane, Butylene	1	1	1	1		1	1	1	1
Butadiene		1				1	1	1	1
Calcium Bisulfate		X				X	2	1	X
Calcium Hypochlorite	3	3	3	X	3	X	3	2	3
Cane Sugar Liquors	1	2		1		2	1	1	1
Carbon Dioxide (Dry)	1	1		1		1	1	1	1
Carbon Dioxide (Wet & Aqueous Sol)	2	3		2		2	1	1	2
Carbon Disulfide	2	3		2		2	1	1	3
Carbon Tetrachloride	3	1	2	3	1	1	1	1	1
Chlorine (Dry)	2	2	2	1	2	2	2	2	1
Chlorine (Wet)	X	X	3	X	2	X	X	3	3
Chromic Acid		X	X	X	1	3	2	2	3
Citric Acid	X	3		1		3	X	1	2
Coke Oven Gas	1	3		2		1	1	1	2
Copper Sulfate	X	X		X		1	1	1	3
Core Oils		1	1			1	1	1	1
Cottonseed Oil	1	1	1	1		1	1	1	1
Creosote	2	3		1		1	1	1	1
Ethers	2	1		1		1	1	1	1
Ethylene Glycol	2	2				1	1	1	1
Ferric Chloride	X	X	X	X	1	X	X	X	X
Ferric Sulfate	X	X		X		1	1	1	3
Formaldehyde	2	2		2		1	1	1	1

*3 to X at high temperatures.

Chemical Chart is reprinted from 1996 RMA Hose Handbook

TECHNICAL DATA

CORROSION RESISTANCE OF COUPLING MATERIALS

CAUTION: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

RATINGS: 1. Excellent 2. Good 3. Fair Conditional x. Not Satisfactory **NOTES:** No rating indicates no data available

AGENT	Mall. From Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Formic Acid	X	2		X		X	2	1	2
Freon	3	1	1	1		1	1	1	1
Furfural	1	2		1		1	1	1	1
Gasoline (Sour)	3	3		3		3	1	1	X
Gasoline (Refined)	1	1	1	1		1	1	1	1
Gelatin	1	3		1		1	1	1	1
Glucose	1	1		1		1	1	1	1
Glue	1	3		1		1	1	1	1
Glycerine or Glycerol	1	2		1		1	1	1	1
Hydrochloric Acid	X	X	X	X	1	X	X	X	X
Hydrocyanic Acid	3	X		1		3	1	1	2
Hydrofluoric Acid	X	3	3	X	X	X	X	X	X
Hydrogen Fluoride		3				X	X	3	1
Hydrogen	1	1		1		1	1	1	1
Hydrogen Peroxide	X	X		1		1	2	1	2
Hydrogen Sulfide (Dry)	3	3		2		3	2	1	3
Hydrogen Sulfide (Wet)	3	3		2		3	2	1	3
Lacquers and Lacquer Solvents	3	2		1		1	1	1	1
Lactic Acid	X			3			3	2	1
Lime-Sulfur	2	X		2		1	1	2	1
Linseed Oil	1	1		1			1	1	1
Magnesium Chloride	3	3		X		3	2	1	1
Magnesium Hydroxide	1	2		X		1	1	1	1
Magnesium Sulfate	2	2		3		1	1	1	1
Mercuric Chloride	3	X		X		X	X	3	X
Mercury	1	X		X		1	1	1	2
Milk	3	3		1		2	1	1	3
Molasses	2	X		2		2	1	1	1
Natural Gas	1	2		1		1	1	1	1
Nickel Chloride		X		X		X	3	2	2
Nickel Sulfate		3		X		3	2	1	1
Nitric Acid	X	X	X	3	1	2	2	2	X
Oleic Acid	2	3		1		2	2	1	1
Oxalic Acid	3	3		2		3	2	1	1
Oxygen	1	1	1	1		1	1	1	1
Palmitic Acid	1	3		1		2	2	1	1
Petroleum Oils (Sour)		3				3	1	1	X
Petroleum Oils (Refined)	1	1	1	1		1	1	1	1
Phosphoric Acid 25%	3	X		3	3	X	3	1	2
Phosphoric Acid 25-50%	X	X		X	3	X	X	2	2
Phosphoric Acid 50-85%	X	X		X	X	X	X	2	2
Picric Acid	3	X		3		2	1	1	X
Potassium Chloride	2	3		3		3	2	1	1
Potassium Hydroxide	3	X		X		1	1	1	1
Potassium Sulfate	2	2		1		1	1	1	1
Propane	1	1				1	1	1	1
Rosin (Dark)	1	2			1	1	1	1	1
Rosin (Light)		X		1		1	1	1	2

*3 to X at high temperatures.

Chemical Chart is reprinted from 1996 RMA Hose Handbook

CORROSION RESISTANCE OF COUPLING MATERIALS

OIL & GASOLINE RESISTANCE

CAUTION: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

RATINGS: 1. Excellent
2. Good
3. Fair Conditional
x. Not Satisfactory

NOTES: No rating indicates no data available

AGENT	Mall. From Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Shellac		2		2		1	1	1	1
Sludge Acid		X				X	X	3	2
Soda Ash (Sodium Carbonate)	1	2		X		1	1	1	1
Sodium Bicarbonate	3	1		X		1	1	1	1
Sodium Bisulfate	X	3		3		X	1	1	1
Sodium Chloride	2	3	2	X	1	3	2	1	1
Sodium Cyanide	2	X		X		1	1	1	2
Sodium Hydroxide	3	X	3	X	X	2	2	2	1
Sodium Hypochlorite	X	X		X		X	3	2	3
Sodium Metaphosphate	X	3		1		2	1	1	1
Sodium Nitrate	1	3		1		1	1	1	1
Sodium Perborate	3	3		1		1	1	1	1
Sodium Peroxide	3	3		1		1	1	1	1
Sodium Phosphate (Alkaline)		3				1	1	1	1
Sodium Phosphate (Neutral)		2				1	1	1	1
Sodium Phosphate (Acid)		2				X	2	1	1
Sodium Silicate	1	3		X		1	1	1	1
Sodium Sulfate	1	2		3		1	1	1	1
Sodium Sulfide	1	X				1	1	1	2
Sodium Thiosulfate (Hypo)	3	X		X		1	1	1	2
Stearic Acid	3	3		3		2	2	1	1
Sulfate Liquors		X				1	1	1	2
Sulfur	2	X		2		2	2	1	3
Sulfur Chloride	X	X				X	3	2	2
Sulfur Dioxide (Dry)	2	1		1		1	1	1	1
Sulfur Dioxide (Wet)		X				X	2	1	X
Sulfuric Acid 10%	X	X	3	3		X	X	2	2
Sulfuric Acid 10-75%	X	X	X	X		X	X	X	2
Sulfuric Acid 75-95%	3	X	X	X		3	3	2	3
Sulfuric Acid 95%	2	X	X			2	2	2	X
Sulfurous Acid	X	X		X		X	3	2	X
Tannic Acid	3	3	1	X			1	1	1
Tar	1	2		1		2	1	1	1
Toluene, Toluol	1	1		1		1	1	1	1
Trichlorethylene	3	1		3		1	1	1	1
Turpentine		3		1		3	1	1	1
Varnish	2	2				1	1	1	1
Vegetable Oils	1	2		1		1	1	1	1
Vinegar	3	3		3		3	2	1	2
Water (Acid Mine Water)	3	X		3		2	1	1	3
Water (Fresh)	3	1		1		1	1	1	1
Water (Salt)	3	3	2	X		3	2	2	1
Whiskey	X	2				3	1	1	2
Wines	X	2				3	1	1	2
Xylene, Xylol	2	1		1		1	1	1	1
Zinc Chloride	X	X		X		3	2	1	1
Zinc Sulfate	3	3		3		3	2	1	1

*3 to X at high temperatures.

Chemical Chart is reprinted from 1996 RMA Hose Handbook

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater effect on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long lasting service, the buyer of gasoline hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

The effects of oil on rubber depend on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. In this RMA classification, the rubber samples are immersed in IRM 903 oil at 100°C for 70 hours. (See ASTM Method D-471 for a detailed description of the oil and the testing procedure.) As a guide to the user of hose in contact with oil, the oil resistance classes and a corresponding description are listed.

PHYSICAL PROPERTIES AFTER EXPOSURE TO OIL:

	VOLUME CHANGE MAXIMUM	TENSILE STRENGTH RETAINED
CLASS A (HIGH OIL RESISTANCE).....	+25%	80%
CLASS B (MEDIUM/HIGH OIL RESISTANCE).....	+65%	50%
CLASS C (MEDIUM OIL RESISTANCE).....	+100%	40%

CHEMICAL RECOMMENDATIONS

The materials being handled by flexible rubber hose are constantly increasing in number and diversity. To assist in the selection of the proper elastomer for the service conditions encountered, the following table has been prepared. The reader is cautioned that it is only a guide and should be used as such, as the degree of resistance of an elastomer with a particular fluid depends upon such variables as temperature, concentration, pressure, velocity of flow, duration of exposure, aeration, stability of the fluid, etc. Also variations in elastomer types and special compounding of stocks to meet specific service conditions have considerable influence on the results obtained. When in doubt, it is always advisable to test the tube compound under actual service conditions. If this is not practical, tests should be devised that simulate service conditions or the hose manufacturer contacted for Recommendations.

The following table lists the more commonly used materials, chemicals, solvents, oils, etc. The recommendation are based on room temperature and pressure conditions normally recommended for the particular type of hose being used. Where conditions beyond this can be met readily, they have been so indicated; where conditions are not normal and cannot be readily met, the hose manufacturer should always be consulted. The table does not imply conformance to the Food & Drug Administration requirements of Federal or State Laws when handling food products.

TABLE OF CHEMICAL, OIL & SOLVENT RESISTANCE OF HOSE:

WARNING: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the hose manufacturer's specific chemical recommendations. Neglecting to do so might result in failure of the hose to fulfill its intended purpose, and may result in possible damage to property and serious bodily injury.

RESISTANCE RATING

- A** - Good Resistance, usually suitable for service.
- F** - Fair Resistance, the chemical has some deteriorative effects, but the elastomer is still adequate for moderate service.
- C** - Depends on Condition, moderate service may be possible if chemical exposure is limited or infrequent.
- X** - Not recommended, unsuitable for service.
- I** - Insufficient Information, not enough data available at the time of publication to determine rating.

RELASTOMERS/PLASTICS

- NR** - Natural Rubber
- IR** - Isoprene, synthetic
- SBR** - Styrene-butadiene
- CR** - Chloroprene
- NBR** - Nitrile-butadiene
- IIR** - Isobutene-isoprene
- CSM** - Chloro-sulfonyl-polyethylene
- EPDM** - Ethylene-propylene-diene-terpolymer
- MQ** - Dimethyl-polysiloxane
- FKM** - Fluorocarbon rubber
- CM** - Chloro-polyethylene
- ECO/CO** - Epichlorohydrin
- EXLPE** - Chloro-sulfonyl-polyethylene

