FIRE HOSE NOZZLES & WRENCHES

See Valve Section for Fire Hydrant & Forestry Valves

Part	Thread	PRICE
Number	Size	EACH

G97B... BRASS FOG NOZZLE



G97B-150 11/2" Pipe (NPSH) \$ 56.30

G97... RED PLASTIC FOG NOZZLE





26.50
26.50
19.80
15.40
99.00
18.40
1.30

G37... SOLID BRASS TAPERED NOZZLE

NOTE: For additional wash down nozzles with garden hose threads, see the Accessory Section of this catalog.



G37-075	3/4" Pipe (NPSH)	12.10
G37-100	1" Pipe (NPSH)	16.30
G37-125	1 ¹ / ⁴ " Pipe (NPSH)	35.60
G37-150	1 ¹ / ² " Pipe (NPSH)	43.50
G37-200	2" Pipe (NPSH)	50.90
G37-GHT	Garden hose thread	12.10

G37P... RED PLASTIC TAPERED NOZZLE



G37P-150 11/2" Pipe (NPSH) \$ 12.50

G97B-GHT... BRASS TWIST NOZZLE

This very compact nozzle is typically used for forest fire mop-up along with our small diameter garden hose threaded fire hoses.

G97B-GHT 7.25



We sell a variety of fire hose coupling wrenches to suit various coupling & hydrant designs.

Part	Thread	PRICE
Number	Size	EACH
G84 STANDARD	WRENCH	



G84A... ALBERTA WRENCH



G84C... CALGARY WRENCH



G84E... EDMONTON HYDRANT WRENCH



60.00

\$ 32.50

G84NK... NAKAJIMA COUPLING WRENCH G84NK-200 17.50 G84NK-250 24.00

G84SZ... STORZ COUPLING WRENCH



15.50

G84SZ-300... 3" STORZ COUPLING WRENCH



63.10

Why take a chance that your hydrant wrench won't work at a critical moment. Our Premium G84U universal adjustable wrench has a double spanner head and handles pentagonal hydrant heads to 1¹/₈" and square heads to 1¹/₂". The spanner head works with both rocker and pin lug couplings, and the tough manganese-bronze jaw is replaceable. The chrome plated steel handle is 18" long for extra torque.

G84U... ADJUSTABLE WRENCH

115.50



Instantaneous fittings are brass or aluminum couplings designed for use in forest fire fighting. Since ends are interchangeable (there are no male or female hose ends) and connections are made with a simple quarter-turn, multiple hoses can be laid out and joined quickly. Aluminum hose fittings have the advantage of light weight, while brass hose fittings are stronger and more resistant to cracking during installation.

Part Hose Bowl PRICE EACH Pkg Number Size Size Loose Std Pkg Qty

G85... INSTANTANEOUS HOSE FITTING



G86... INSTANTANEOUS MALE PIPE ADAPTER



G87... INSTANTANEOUS FEMALE PIPE ADAPTER



* G87S has a short, straight thread to connect to male fire hose threads.

G88C... INSTANTANEOUS CAP



All our couplings come complete with expansion rings, however we also offer replacement rings so that couplings can be reused.

Part Hose Bowl PRICE EACH Pkg Number Size Size Loose Std Pkg Qty

G86-GHT... INSTANTANEOUS MALE GARDEN HOSE THREAD ADAPTER



G87-GHT... INSTANTANEOUS FEMALE GARDEN HOSE THREAD



G95-150... INSTANTANEOUS HOSE SHANK



G95-150 1¹/₂" 12.30 11.10 10

G80WT... WATER THIEF WITH MALE THREADS



G80WT 1 1/2" NPSH x GHT 15.00

G87WT... WATER THIEF WITH INSTANTANEOUS ENDS



Note: To add a garden hose shut off valve to the water thief, see the various options in the Garden & Pressure Wash section of the catalog

FIRE HOSE FITTINGS

G80B couplings are economically priced and are commonly found on stand-by and cabinet fire hoses. They feature pin lugs on the female coupling only. Standard couplings come with NPSH threads.

Part Hose Bowl Number Size Size PRICE EACH

1½" BRASS COUPL	INGS	Wines A	
FULL SETS	W		
G80B-150-169 G80B-150-175 G80B-150-181	1 ¹ /2" 1 ¹ /2" 1 ¹ /2"	1 ¹¹ / ₁₆ " 1 ³ / ₄ " 1 ¹³ / ₁₆ "	\$ 43.80 43.80 43.80

G80B-150-175 G80B-150-181 G80B-150-194	1 ¹ /2" 1 ¹ /2" 1 ¹ /2"	1 ³ / ₄ 1 ¹³ / ₁₆ " 1 ¹³ / ₁₆ "	43.80 43.80
MALE ONLY			
G80BM-150-169 G80BM-150-175 G80BM-150-181 G80BM-150-194	1 ¹ /2" 1 ¹ /2" 1 ¹ /2" 1 ¹ /2"	1 ¹¹ /16" 1 ¹ /4" 1 ¹³ /16" 1 ¹⁵ /16"	21.90 21.90 21.90 21.90
FEMALE ONLY			
G80BF-150-169 G80BF-150-175 G80BF-150-181 G80BF-150-194	1 ¹ /2" 1 ¹ /2" 1 ¹ /2" 1 ¹ /2"	1 ¹¹ /16" 1 ³ /4" 1 ¹³ /16" 1 ¹⁵ /16"	21.90 21.90 21.90 21.90

For 2½" municipal fire hoses, the threads vary by province and state and sometimes even by city. Our basic part numbers are G80 for a coupling set, G80M for males, and G80F for females. In addition, please specify the threads from the list shown. For example, for a hose that will be used in Manitoba, specify G80WCT-250 thread couplings.

21/2" BRASS COUPLINGS



2 1/2 " 2 1/2 "	2 ³ /4" 2 ¹³ /16"	\$ 91.60 91.60
2 <mark>1/2</mark> " 2 1/2 "	2 ³ /4" 2 ¹³ /16"	32.00 32.00
2 1/2 " 2 1/2 "	2 ³ /4" 2 ¹³ /16"	59.60 59.60
	2 ¹ /2" 2 ¹ /2" 2 ¹ /2" 2 ¹ /2"	21/2" 213/16" 21/2" 23/4" 21/2" 213/16"

G80 Aluminum couplings are hard coated for superior corrosion and wear resistance and to resist thread galling. Both male and female couplings have rocker lugs for easy tightening. Standard 1½" couplings have NPSH threads.

Part	Hose	Bowl	
Number	Size	Size	PRICE EACH

1" & 11/2" HARDCOAT ALUMINUM ROCKER LUG COUPLINGS



21/2" HARDCOAT ALUMINUM ROCKER LUG COUPLINGS



Part Number	Hose Size	Bowl Size	PRICE EACH Pkg Loose Std Pkg Qty	
G88R EXPAN	SION RINGS			
G88W G88R				
	Coupling	ј Туре		
G88R-150-075 G88R-150-088	G80B G85		3.90 3.90	

G80

G80

G88R-150-125

G88R-250-150

7.40

8.00

HOW TO MEASURE A MALE FIRE HOSE THREAD:

Take a strip of paper about 1" wide and wrap it around the male thread snugly so that it overlaps. Where the two ends overlap, use a pin to pierce the paper so that there is a hole in both ends. Press your thumb against the paper so that the threads leave an impression. Remove the paper and measure the distance between the pinholes. This distance, divided by 3.1416, equals the thread o.d. Count the number of thread impressions showing on the paper and divide by the total width of the impressions (in inches). This figure is the pitch in threads per inch.

PARTIAL LISTING OF FIRE HOSE THREADS

Code	Region Used	Description	0.D.	Pitch
1 ¹ /2" C	anadian Threads	5:		
NPSH		NPSH Straight Iron Pipe Thread	1.878"	11.5
2 ¹ /2" C	anadian Threads	5:		
BAT	BC/Alberta	BCST British Columbia Standard Thread and AMA Alberta Mutual Aid combined*	2.990"	8*
CSA	Ontario	Canadian Standards Assn.	3.125"	5
NS1	Nova Scotia	Nova Scotia - zone 1	3.234"	5
QMT	Quebec	QST and QMT Quebec/Montreal Combination Thread	3.031"	7
WCT	Sask. & Manitoba	a Western Canada Fire Underwriters Assn.	3.250"	6
1 ¹ /2" 0	ther Threads:			
BSP		British Standard Pipe Thread	1.882"	11
NST		NH and NST and ANSI Thread	1.990"	9
2 ¹ /2" 0	ther Threads:			
BSP		British Standard Pipe Thread	2.956"	11
NST		NH and NST and ANSI Thread	3.068"	7.5

 $^{^{\}star}$ BAT Threads are designed to function with both BCST and AMA fittings. To accomplish this, the BAT male is cut to suit the smallest thread 0.D., which is AMA fitting at 2.99", while the female coupling is machined to fit the largest I.D.

ALUMINUM SUCTION HOSE COUPLINGS

Part Number	Fire Thread	Hose Size	PRICE EACH
G31BAT-250	2 1/2 " Male BAT	2 1/2 "	\$ 72.30
G32BAT-250	2 1/2" Female BAT	2 1/2 "	72.30



HYDRANT ADAPTERS

21/2" FIRE HOSE THREAD ADAPTERS

G82... FEMALE FIRE BY MALE NPT

Fire Thread	Male Thread	Part Number	PRICE EACH
2½"BAT	1½"NPT	G82BAT-150	\$ 59.00
	2"	G82BAT-200	65.00
	2½"	G82BAT-250	89.00
	3"	G82BAT-300	123.00
2½"CSA	1½"NPT	G82CSA-150	88.00
	2"	G82CSA-200	96.00
	2½"	G82CSA-250	123.00
2½"NS1	1½"NPT	G82NS1-150	88.00
	2"	G82NS1-200	96.00
	3"	G82NS1-300	123.00
2½"QMT	1½"NPT	G82QMT-150	88.00
	2"	G82QMT-200	96.00
	2½"	G82QMT-250	123.00
2½"WCT	1½"NPT	G82WCT-150	88.00
	2"	G82WCT-200	96.00
	3"	G82WCT-300	123.00

There is a practically endless selection of custom machined hydrant adapters that can be ordered. The most important ones are listed below. Please call for other configurations.



G81... MALE FIRE BY MALE NPT

2½"BAT	1½"NPT	G81BAT-150	\$ 84.00
	2"	G81BAT-200	111.00
	2½"	G81BAT-250	120.00
	3"	G81BAT-300	158.00
21/2"CSA	1½"NPT	G81CSA-150	84.00
	2"	G81CSA-200	111.00
	3"	G81CSA-300	158.00
2½"NS1	1½"NPT	G81NS1-150	84.00
	2"	G81NS1-200	111.00
	3"	G81NS1-300	158.00
21/2"QMT	1½"NPT	G81QMT-150	84.00
	2"	G81QMT-200	111.00
	3"	G81QMT-300	158.00
21/2"WCT	1½"NPT	G81WCT-150	84.00
	2"	G81WCT-200	111.00
	3"	G81WCT-300	158.00



OTHER FIRE HOSE THREAD ADAPTERS

Thread	Size	Thread	Size	Part Number PR	ICE EACH
Female NPSH Female NPSH	1½" 1½"	Male GHT Male NPT	3/4" 1½"	G81FM-NPSH-GHT-150 G81FM-NPSH-NPT-150-150	\$ 84.00 84.00
Male NPSH	11/2"	Male NPT	11/2"	G81MM-NPSH-NPT-150-150	84.00
Swivel NPSH	11/2"	Male NPT	11/2"	G81SM-NPSH-NPT-150-150	84.00
Storz Storz	2" 2"	Female BSP Female NPSH	2" 2"	G81BZF-BSP-200-200 G81BZF-NPSH-200-200	73.20 73.20



INTERNATIONAL FIRE HOSE COUPLINGS

Fire hose fittings found on ships can be any of a multitude of designs from around the world. We stock the five standards that we have found to be the most popular. All of the couplings listed are brass.

Since many ships, and the ship chandlers that supply them, often rely on the IMPA (International Marine Purchasing Association) catalog as a reference when ordering products, we have provided the IMPA code where possible.

NAKAJIMA couplings conform to the Japanese JIS F7335 standard. The two halves are identical and a quarter turn locks the couplings together.

MACHINO fittings are also a Japanese design, but conform to JIS B9911. They are a push-to-connect coupling with a distinctive outer rubber bumper on the female half. Pushing the flange on the male half releases the fittings.

JOHN MORRIS couplings, also known as British Instantaneous, meet the BS 336 British Standard design. The distinctive arms on the female coupling are spring-loaded and lock onto the male fitting when pushed together. Pulling the arms away from the coupling releases the fitting.

STORZ fittings are based on a German design and conform to DIN 14302 and DIN 14303. A quarter turn mates the two identical halves

PIN STYLE couplings are a male and female threaded coupling with pin lugs for tightening. They have NST (NH) US style threads or NPSH straight pipe threads as shown.

Part		IMPA		Hose
Number		Code	Size	I.D.PRICE EACH

G95NK... NAKAJIMA HOSE SHANK



G95NK-150	33-08-51	1 1/2 "	1 1/2 "	\$ 22.90
G95NK-200	33-08-52	2"	2"	38.70
G95NK-250	33-08-53	2 1/2 "	2 1/2 "	52.80
G95NK-250-150	33-08-91	2 1/2 "	1 1/2 "	52.80

G91MC... MACHINO MALE HOSE SHANK



G91MC-150	33-08-55	1 1/2 "	1 1/2 "	\$ 14.50
G91MC-200	33-08-56	2"	2"	26.40
G91MC-250	33-08-57	2 1/2 "	2 1/2 "	36.90

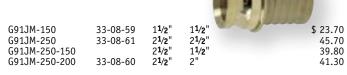
G92MC... MACHINO FEMALE HOSE SHANK



G92MC-150	33-08-55		1 1/2 "	\$ 21.80
G92MC-200	33-08-56	_	2"	31.60
G92MC-250	33-08-57	2 1/2 "	2 1/2 "	50.40

Part	IMPA	Male	Hose	PRICE
Number	Code	Siza	T D	FACH

G91JM... JOHN MORRIS MALE HOSE SHANK



G92JM... JOHN MORRIS FEMALE HOSE SHANK

		Female Size		
G92JM-150	33-08-59	1 1/2 "	1 1/2 "	\$ 34.20
G92JM-250	33-08-61	2 1/2 "	2 1/2 "	68.70
G92JM-250-150		2 1/2 "	1 1/2 "	63.70
G92JM-250-200	33-08-60	2 1/2 "	2"	66.70

G95SZ... STORZ HOSE SHANK

		Size		
G95SZ-150		11/2"	11/2"	\$ 26.70
G95SZ-200	33-08-75	2"	2"	47.30
G92SZ-200-150		2 1/2 "	1 1/2 "	87.70
G95SZ-250		21/2"	2 1/2 "	62.50

Thread	PRICE	EACH	
O.D. & Pitch	Loose	Std Pkg	Qty

G31B... NPSH MALE



G31B-150	1 1/2 "	1.878"-11 1/2	\$ 15.10	\$ 13.70	5
G31B-200	2"	2.352"-11 1/2	23.30	21.10	5
G31B-250	2 1/2 "	2.841" - 8		33.90	1

G32B... NPSH FEMALE



G32B-150		1.878"-11 1/2		\$ 14.60	5
G32B-200	2"	2.352"-11 ¹ /2	26.30	23.50	5
G32B-250	2 1/2 "	2.841" - 8		36.90	1

G31BNST... NST PIN LUG MALEAlso called NH or ANSI thread



G31BNST-150	33-08-65M	1 1/2 "	1.990" - 9	\$ 11.60	1
G31BNST-250	33-08-66M	2 1/2 "	3.068" - 7 1/2	36.30	1
G31BNST-250-150	33-08-93M	2 1/2 "	3.068" - 7 1/2	50.20	1

G32BNST NST PIN LUG FEMALE Also called NH or ANSI thread



0525.10. 250 55 00	65F 1 ¹ / ₂ " 1.990" – 66F 2 ¹ / ₂ " 3.068" – 93F 2 ¹ / ₂ " 3.068" –	71/2 34.80 1
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INTERNATIONAL FIRE HOSE FITTINGS

Three position nozzles combine the features of straight stream and fog nozzles. The lever can be moved from a shut off position to a choice of straight stream or fog spray. When the lever is in the fog position, the spray is adjusted by twisting the heavy rubber bumper. Nozzles are available in the various sizes and coupling style shown. vHowever, the coupling adapter is threaded into the nozzle body to permit interchanging male adapters. We offer nozzles made up with your choice of coupling, and also offer the male adapters separately.

THREE POSITION FIRE HOSE NOZZLES

Part	IMPA	Size	PRICE
Number	Code		EACH
G97NK N	AKAJIMA 3 PO	SITION NOZZLE	
G97NK-150		1 ¹ /2"	\$ 227.10
G97NK-200		2"	277.40
G97NK-250		2 ¹ /2"	315.20
G97JM JOHN MORRIS 3 POSITION NOZZLE			



G97JM-250	33-08-23JM	2 1/2 "	\$ 315.20
G97SZ STORZ	3 POSITION N	IOZZLE	
G97SZ-200 G97SZ-250	33-08-22SZ 33-08-21SZ	2" 2 1/2 "	\$ 282.60 321.00
G97MC MACH	INO 3 POSITIO	ON NOZZLE	
G97MC-150 G97MC-200 G97MC-250		1 ¹ /2" 2" 2 ¹ /2"	\$ 227.10 277.40 315.20

G97NST... NST THREAD 3 POSITION NOZZLE



Recently many users have switched to a much lighter and compact adjustable nozzle. Common nozzles are shown here, but the G37T can be combined with any of the adapters of matching size shown on the following page.

COMPACT FIRE HOSE NOZZLES

Part	IMPA	Size	PRICE
Number	Code		EACH
G37TNK NA	KAJIMA COMP	ACT NOZZLE	
G37TNK-150	33-08-31	1 ¹ /2"	\$ 70.10
G37TNK-200	33-08-32	2"	87.10
G37TNK-250	33-08-33	2 ¹ /2"	122.30

G37TJM... JOHN MORRIS COMPACT NOZZLE



	and.	(4)	
G37TJM-250		21/2"	\$ 122.30
G37TNST NST	ANSI PIN CO	MPACT NOZZLE	
G37TNST-150 G37TNST-250	33-08-34 33-08-36	1 <mark>1/2</mark> " 2 1/2 "	\$ 63.70 107.80
G37TMC MAC	HINO COMPAC	T NOZZLE	
G37TMC-150 G37TMC-200 G37TMC-250	33-08-37 33-08-38 33-08-39	1 ¹ / ₂ " 2" 2 ¹ / ₂ "	\$ 69.40 87.10 122.30
G37TSZ STOR	Z COMPACT NO	OZZLE	
G37TSZ-150 G37TSZ-200 G37TSZ-250		1 ¹ / ₂ " 2" 2 ¹ / ₂ "	\$ 77.60 104.20 136.30

G98NKA-150

G98NKA-200

G98NKA-250

These male threaded adapters are installed in G97 series three position nozzles. They will also fit G37T spray tips to produce a compact fog nozzle.

Part	IMPA		PRICE
Number	Code	Size	EACH

G98NKA... NAKAJIMA NOZZLE ADAPTER



G98JMA... JOHN MORRIS NOZZLE ADAPTER



G98JMA-150 1½" \$ 17.90 G98JMA-250 2½" 45.70

G98SZA... STORZ NOZZLE ADAPTER



G98SZA-150	1½"	\$ 39.70
G98SZA-200	2"	59.80
G98SZA-250	2½"	83.40

G98MCA... MACHINO NOZZLE ADAPTER



G98MCA-150 11/2" \$ 22.80 G98MCA-200 2" 33.80 G98MCA-250 21/2" 54.10

G98NSTA... NST THREAD PIN LUG NOZZLE ADAPTER (also called NH or ANSI thread)

lso called NH or ANSI thread)

G98NSTA-150 1½" \$ 20.60 G98NSTA-250 2½" 40.90

G98NPSHA... NPSHA THREAD NOZZLE ADAPTER



ADAPTERS FOR THREE POSITION NOZZLES

Thread Dimensions for Nozzle Adapters

Nozzle Size	Male Thread O.D.	Threads per Inch
11/2"	1.410"	12
2"	1.770"	12
2 1/2 "	2.158"	10

Our brass jet stream nozzles are available with a variety of coupling designs. The tips are designed to provide a straight stream flow, with tip diameters of 13mm in 1-1/2" nozzles, 15mm for 2", and 20mm in 2-1/2". Where a fog spray is preferable, the threaded jet stream tip can be removed and replaced with our G37T fog spray tip. The G37T is an adjustable fog nozzle with an aluminum body and a protective rubber bumper.

Jet Stream Fire Hose Nozzles

Part	IMPA		PRICE
Number	Code	Size	EACH

G37NK... NAKAJIMA JET NOZZLE



G37NK-150 33-08-01 11/2" \$81.80 G37NK-200 33-08-03 2" 94.30 G37NK-250 33-08-04 21/2" 141.70 G37JM JOHN MORRIS JET NOZZLE G37JM-150 11/2" 49.80 G37JM-250 21/2" 110.30 G37SZ STORZ JET NOZZLE G37SZ-150 11/2" 72.40 G37SZ-200 2" 113.10 G37SZ-250 21/2" 140.00 G37MC MACHINO JET NOZZLE G37MC-150 33-08-09 11/2" 66.10 G37MC-250 33-08-10 2" 92.80 G37MC-250 33-08-11 21/2" 128.40 G37NST NST JET NOZZLE G37NST NST JET NOZZLE G37NST NST JET NOZZLE G37NST-150 11/2" 49.80 G37NST-250 21/2" 107.10				
G37JM-150 11/2" 49.80 G37JM-250 21/2" 110.30 G37SZ STORZ JET NOZZLE G37SZ-200 2" 113.10 G37SZ-250 21/2" 140.00 G37MC MACHINO JET NOZZLE G37MC-150 33-08-09 11/2" 66.10 G37MC-200 33-08-10 2" 92.80 G37MC-250 33-08-11 21/2" 128.40 G37NST NST JET NOZZLE G37NST-150 11/2" 49.80	G37NK-200	33-08-03	2"	94.30
G37SZ-150 11/2" 72.40 G37SZ-200 2" 113.10 G37SZ-250 21/2" 140.00 G37MC MACHINO JET NOZZLE G37MC-150 33-08-09 11/2" 66.10 G37MC-200 33-08-10 2" 92.80 G37MC-250 33-08-11 21/2" 128.40 G37NST NST JET NOZZLE G37NST-150 11/2" 49.80	G37JM-150	MORRIS JET N	1 1/2 "	
G37MC-150 33-08-09 11/2" 66.10 G37MC-200 33-08-10 2" 92.80 G37MC-250 33-08-11 21/2" 128.40 G37NST NST JET NOZZLE G37NST-150 11/2" 49.80	G37SZ-150 G37SZ-200	JET NOZZLE	2"	113.10
G37NST-150 1 ¹ / ₂ " 49.80	G37MC-150 G37MC-200	33-08-09 33-08-10	1 1/2 " 2"	92.80
	G37NST-150	JET NOZZLE		



	100
G37T SPRAY TIP	
G37T-150	1 1/2 "
G37T-200	2"
G37T-250	21/2"

37.90 44.40 52.90

G98NPSHA-150

G98NPSHA-250

INTERNATIONAL FIRE HOSE FITTINGS

CAPS & GASKETS

