

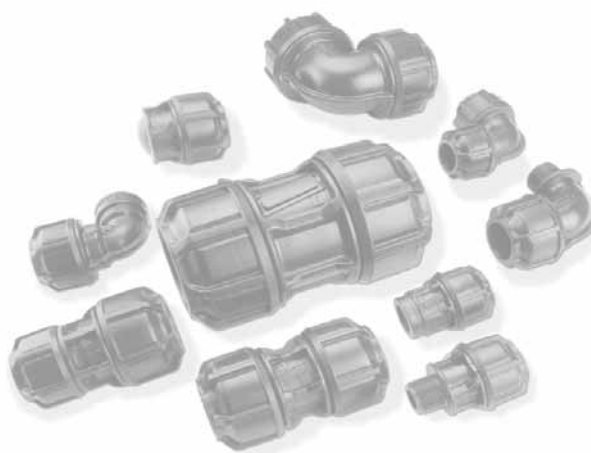


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## PRICE LIST & ORDERING GUIDE

Applicable Standards  
CSA B 137.1  
NSF 61

### Philmac 3G Compression Fittings & Universal Transition Couplings



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## Price List & Ordering Guide

### Introduction

Philmac's new 3G (third generation) thermoplastic compression fittings offer quick and easy installation, dependable performance, and unmatched versatility. Their innovative design combines the latest in material technology with common sense installation features, resulting in a truly superior compression fitting.

This Price List / Ordering Guide has been created to help guide you, the customer, in selecting the correct fitting for your application.

The first two sections list our dedicated fitting options, CTS and ID Series; these dedicated fittings come pre-assembled and ready to use. A wide variety of sizes and configurations are available to suit any connection you need to make.

The third section lists the conversion kits. These conversion kits offer you the flexibility to connect two different pipe types and sizes with the same fitting. CTS, ID Series, IPS, Composite (XPA and Q-Line), and Copper pipe can all be connected using a Philmac 3G fitting.

The last section includes Philmac's Universal Transition Fittings. Universal Transition Fittings are designed to work with both metal and plastic pipes, including; Galvanized Iron, Steel, Lead, Aluminium and copper. They also work great for old, corroded, or out-of round pipes. Unlike Philmac 3G which is designed to work with standard pipe sizes, Universal Transition Fittings are designed to work over a range of outside diameters.

### Philmac 3G compared to the old Philmac Product Line

Both the old Philmac product line (1G), and the new 3G product range are based on a system of 7 common body sizes that are designed to accommodate all the different pipe types and sizes from 1/2" to 2".

The 1G line used a system of inserts and collets, where different combinations of the insert and collet allowed the fitting to be connected to the different pipe types. The correct body, insert, and collet had to be determined from a list then assembled on site to create the joint.

With Philmac 3G, customers only need to know the size and type of pipe they are connecting to – the need to use a chart to select the correct body, insert, and collet has been eliminated; connecting 1" CTS pipe simply requires a 1" CTS fitting.



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### Abbreviations

ASTM	American Society for Testing and Materials
AWWA	American Water Works Association Thread
CTS	Copper Tube Size
FIPT	Female Iron Pipe Thread
I.D.	Inside Diameter
IPS	Iron Pipe Size
MIPT	Male Iron Pipe Thread
PE	Polyethylene
O.D.	Outside Diameter




## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### CTS OD Fittings- For ASTM D2737 PE Pipe


#### Couplings Compression x Compression

	3/4 x 3/4	258000	10	\$	10.55
	1 x 1	258001	10	\$	13.25
	<b>1 1/4 x 1 1/4</b>	<b>* 258002</b>	<b>10</b>	<b>\$</b>	<b>19.40</b>
	1 1/2 x 1 1/2	258003	1	\$	31.85
	2 x 2	258004	1	\$	39.35


#### Reducing Couplings Compression x Compression

	1 x 3/4	258005	10	\$	11.90
	<b>1 1/4 x 3/4</b>	<b>* 258143</b>	<b>5</b>	<b>\$</b>	<b>15.00</b>
	1 1/4 x 1	258131	5	\$	16.10
	<b>1 1/2 x 1</b>	<b>* 258144</b>	<b>1</b>	<b>\$</b>	<b>28.45</b>
	<b>1 1/2 x 1 1/4</b>	<b>* 258145</b>	<b>1</b>	<b>\$</b>	<b>31.60</b>

#### Male Adapters Compression x MIPT

	3/4 x 1/2	258006	10	\$	7.65
	3/4 x 3/4	258007	10	\$	7.65
	1 x 1/2	258008	10	\$	9.30
	1 x 3/4	258009	10	\$	9.30
	1 x 1	258010	10	\$	9.65
	1 1/4 x 3/4	258011	5	\$	12.10
	1 1/4 x 1	258012	5	\$	12.10
	1 1/4 x 1 1/4	258013	5	\$	13.30
	1 1/2 x 1	258014	1	\$	18.40
	1 1/2 x 1 1/4	258015	1	\$	19.15
	1 1/2 x 1 1/2	258016	1	\$	19.45
	2 x 1 1/2	258017	1	\$	22.80
	2 x 2	258018	1	\$	23.10

#### Female Adapters Compression x FIPT

	3/4 x 1/2	258019	10	\$	7.65
	3/4 x 3/4	258020	10	\$	13.75
	<b>1 x 1/2</b>	<b>* 258194</b>	<b>10</b>	<b>\$</b>	<b>14.25</b>
	1 x 3/4	258021	10	\$	14.50
	1 x 1	258022	10	\$	14.75
	<b>1 1/4 x 3/4</b>	<b>* 258195</b>	<b>10</b>	<b>\$</b>	<b>16.55</b>
	1 1/4 x 1	258023	5	\$	18.40
	1 1/4 x 1 1/4	258024	5	\$	31.25
	1 1/2 x 1 1/4	258025	1	\$	29.40
	1 1/2 x 1 1/2	258026	1	\$	42.90
	2 x 1 1/2	258027	1	\$	35.65
	2 x 2	258028	1	\$	57.20

Note: Philmac 3G CTSOD fittings can be used with any AWWA C901 PE Water Service Tubing

\* Item is non-stock, special order




## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### CTS OD Fittings- For ASTM D2737 PE Pipe


#### Elbow Compression x Compression

	3/4 x 3/4	258029	10	\$	11.10
	<b>1 x 3/4 *</b>	<b>258196</b>	<b>10</b>	<b>\$</b>	<b>12.70</b>
	1 x 1	258030	10	\$	13.15
	1 1/4 x 1 1/4	258031	5	\$	19.80
	1 1/2 x 1 1/2	258032	1	\$	35.10
	2 x 2	258033	1	\$	46.50


#### Female Elbow Compression x FIPT

	<b>3/4 x 1/2 *</b>	<b>258197</b>	<b>10</b>	<b>\$</b>	<b>15.10</b>
	3/4 x 3/4	258034	10	\$	15.85
	<b>1 x 1/2 *</b>	<b>258198</b>	<b>10</b>	<b>\$</b>	<b>16.80</b>
	1 x 3/4	258035	10	\$	19.30
	1 x 1	258036	10	\$	17.00
	1 1/4 x 1	258037	5	\$	19.90
	1 1/4 x 1 1/4	258038	5	\$	30.10
	1 1/2 x 1 1/4	258039	1	\$	31.35
	1 1/2 x 1 1/2	258040	1	\$	30.80
	<b>2 x 2 *</b>	<b>258041</b>	<b>1</b>	<b>\$</b>	<b>60.45</b>


#### Male Elbow Compression x MIPT

	3/4 x 1/2	* 258199	10	\$	15.10
	1 x 3/4	* 258200	10	\$	17.10

#### Tee Compression x Compression x Compression

	3/4 x 3/4 x 3/4	258042	10	\$	14.65
	1 x 1 x 1	258043	5	\$	17.75
	1 1/4 x 1 1/4 x 1 1/4	258044	5	\$	27.50
	1 1/2 x 1 1/2 x 1 1/2	258045	1	\$	47.90

#### Reducing Tee Compression x Compression x Compression

	1 x 1 x 3/4	* 258146	10	\$	17.60
	1 x 1 x 1 1/4	* 258147	5	\$	21.75
	1 1/4 x 1 1/4 x 1	* 258148	5	\$	26.80
	1 1/2 x 1 1/2 x 1	* 258149	1	\$	46.60
	1 1/2 x 1 1/2 x 1 1/4	* 258150	1	\$	47.20


Note: Philmac 3G CTSOD fittings can be used with any AWWA C901 PE Water Service Tubing

## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### CTS OD Fittings- For ASTM D2737 PE Pipe


#### Female Tee Compression x Compression x FIPT

	3/4 x 3/4 x 1/2	*	258201	10	\$	15.10
	3/4 x 3/4 x 3/4		258047	10	\$	22.80
	1 x 1 x 1/2	*	258202	10	\$	25.10
	1 x 1 x 3/4		258048	10	\$	26.55
	1 x 1 x 1		258049	10	\$	21.20
	1 1/4 x 1 1/4 x 1/2	*	258203	5	\$	35.45
	1 1/4 x 1 1/4 x 3/4		258050	5	\$	37.00
	1 1/4 x 1 1/4 x 1		258051	5	\$	41.60
	1 1/4 x 1 1/4 x 1 1/4		258052	5	\$	36.10
	1 1/2 x 1 1/2 x 1/2	*	258204	1	\$	51.00
	1 1/2 x 1 1/2 x 3/4		258053	1	\$	52.85
	1 1/2 x 1 1/2 x 1 1/4		258054	1	\$	54.00
	1 1/2 x 1 1/2 x 1 1/2		258055	1	\$	54.15


#### Male Tee Compression x Compression x MIPT

	1 x 1 x 1/2	*	258205	5	\$	25.10
	1 x 1 x 3/4	*	258206	5	\$	26.55


#### End Caps Compression

	3/4		258151	10	\$	7.40
	1		258152	10	\$	9.30
	1 1/4		258153	5	\$	13.20
	1 1/2		258154	5	\$	15.15

#### Tank Connectors Compression

	1 x 3/4	*	258158	10	\$	20.45
	1 1/4 x 1 BSP	*	258160	10	\$	29.65

#### Wall Plate Elbows Compression x FIPT

	3/4 x 1/2	*	258161	10	\$	16.80
	1 x 3/4	*	258162	10	\$	18.90


Note: Philmac 3G CTSOD fittings can be used with any AWWA C901 PE Water Service Tubing

## Philmac 3G Fittings


Description	Size inches	Product Code	Package Qty.	Unit Price
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### IPS ID (SIDR) Series Fittings- For ASTM D2239 PE Pipe


#### Couplings Compression x Compression

	1/2 x 1/2	258059	10	\$	12.65
	3/4 x 3/4	258060	10	\$	15.95
	1 x 1	258061	5	\$	21.60
	1 1/4 x 1 1/4	258062	1	\$	37.50
	1 1/2 x 1 1/2	258063	1	\$	42.45
	2 x 2	258064	1	\$	56.60

#### Reducer Couplings Compression x Compression

	3/4 x 1/2	258065	10	\$	14.30
	1 x 1/2	* 258163	25	\$	16.55
	1 x 3/4	* 258164	25	\$	21.20
	1 1/4 x 3/4	* 258165	25	\$	39.35
	1 1/4 x 1	* 258166	25	\$	40.90
	1 1/2 x 3/4	* 258167	25	\$	43.20
	1 1/2 x 1	* 258168	25	\$	45.00
	1 1/2 x 1 1/4	* 258169	25	\$	46.15
	2 x 1	* 258170	10	\$	52.05
	2 x 1 1/4	* 258171	10	\$	52.55
	2 x 1 1/2	* 258172	10	\$	53.80

#### Male Adapters Compression x MIPT

	1/2 x 1/2	258066	10	\$	8.70
	1/2 x 3/4	258067	10	\$	8.70
	3/4 x 1/2	258068	10	\$	10.65
	3/4 x 3/4	258069	10	\$	10.65
	3/4 x 1	258070	10	\$	11.00
	1 x 3/4	258071	5	\$	13.20
	1 x 1	258072	5	\$	13.20
	1 x 1 1/4	258073	5	\$	14.40
	1 1/4 x 1	258074	1	\$	21.20
	1 1/4 x 1 1/4	258075	1	\$	22.00
	1 1/4 x 1 1/2	258076	1	\$	22.30
	1 1/2 x 1 1/2	258077	1	\$	24.30
	1 1/2 x 2	258078	1	\$	24.65
	2 x 2	258079	1	\$	27.40

The ID Series fitting will fit SIDR 7, 9, 11.5 and 15 PE Pipe in all sizes.






## Philmac 3G Fittings


Description	Size inches	Product Code	Package Qty.	Unit Price
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### IPS ID (SIDR) Series Fittings- For ASTM D2239 PE Pipe


#### Female Adapters Compression x FIPT

	1/2 x 1/2	258080	10	\$	8.70
	1/2 x 3/4	258081	10	\$	14.80
	<b>3/4 x 1/2</b>	<b>* 258207</b>	<b>10</b>	<b>\$</b>	<b>18.55</b>
	3/4 x 3/4	258082	10	\$	15.90
	3/4 x 1	258083	10	\$	16.10
	<b>1 x 3/4</b>	<b>* 258208</b>	<b>5</b>	<b>\$</b>	<b>15.80</b>
	1 x 1	258084	5	\$	19.50
	1 x 1 1/4	258085	5	\$	32.35
	1 1/4 x 1 1/4	258086	1	\$	32.35
	1 1/4 x 1 1/2	258087	1	\$	45.75
	1 1/2 x 1 1/2	258088	1	\$	37.20
	1 1/2 x 2	258089	1	\$	58.75
	2 x 2	258090	1	\$	34.20


#### Elbow Compression x Compression

	1/2 x 1/2	258091	10	\$	13.15
	<b>3/4 x 1/2</b>	<b>* 258209</b>	<b>10</b>	<b>\$</b>	<b>14.60</b>
	3/4 x 3/4	258092	10	\$	15.85
	1 x 1	258093	5	\$	22.00
	1 1/4 x 1 1/4	258094	1	\$	40.80
	1 1/2 x 1 1/2	258095	1	\$	49.65
	2 x 2	258096	1	\$	67.75

#### Female Elbow Compression x FIPT

	<b>1/2 x 1/2</b>	<b>* 258210</b>	<b>10</b>	<b>\$</b>	<b>14.00</b>
	1/2 x 3/4	258097	10	\$	16.90
	<b>3/4 x 1/2</b>	<b>* 258211</b>	<b>10</b>	<b>\$</b>	<b>19.55</b>
	3/4 x 3/4	258098	10	\$	20.65
	3/4 x 1	258099	10	\$	18.30
	1 x 1	258100	5	\$	21.00
	1 x 1 1/4	258101	5	\$	31.20
	1 1/4 x 1 1/4	258130	1	\$	31.30
	<b>1 1/4 x 1 1/2</b>	<b>* 258212</b>	<b>1</b>	<b>\$</b>	<b>34.70</b>
	<b>1 1/2 x 1 1/2</b>	<b>* 258213</b>	<b>1</b>	<b>\$</b>	<b>42.70</b>
	<b>1 1/2 x 2</b>	<b>* 258214</b>	<b>1</b>	<b>\$</b>	<b>44.50</b>
	<b>2 x 2</b>	<b>* 258215</b>	<b>1</b>	<b>\$</b>	<b>48.90</b>

#### Elbow Compression x MIPT

	1/2 x 1/2	* 258216	10	\$	17.50
	3/4 x 3/4	* 258217	10	\$	23.30

The ID Series fitting will fit SIDR 7, 9, 11.5 and 15 PE Pipe in all sizes.


\* Item is non-stock, special order

## Philmac 3G Fittings


Description	Size inches	Product Code	Package Qty.	Unit Price
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### IPS ID (SIDR) Series Fittings- For ASTM D2239 PE Pipe


#### Tee Compression x Compression x Compression

	1/2 x 1/2 x 1/2	258102	10	\$	17.75
	3/4 x 3/4 x 3/4	258103	5	\$	21.80
	1 x 1 x 1	258104	5	\$	30.75
	1 1/4 x 1 1/4 x 1 1/4	258105	1	\$	56.45
	1 1/2 x 1 1/2 x 1 1/2	258106	1	\$	65.90
	2 x 2 x 2	* 258218	1	\$	71.40

#### Reducing Tee Compression x Compression x Compression

	3/4 x 3/4 x 1/2	* 258219	5	\$	22.75
	3/4 x 3/4 x 1	* 258173	5	\$	23.70
	1 x 1 x 3/4	* 258174	5	\$	27.25
	1 1/4 x 1 1/4 x 3/4	* 258175	1	\$	47.60
	1 1/4 x 1 1/4 x 1	* 258176	1	\$	49.25
	1 1/2 x 1 1/2 x 3/4	* 258177	1	\$	58.20
	1 1/2 x 1 1/2 x 1	* 258178	1	\$	61.30
	1 1/2 x 1 1/2 x 1 1/4	* 258179	1	\$	63.14
	2 x 2 x 3/4	* 258180	1	\$	64.95
	2 x 2 x 1	* 258181	1	\$	67.00
	2 x 2 x 1 1/2	* 258182	1	\$	69.85

#### Female Tee Compression x Compression x FIPT

	1/2 x 1/2 x 1/2	* 258220	10	\$	19.65
	1/2 x 1/2 x 3/4	* 258221	10	\$	20.95
	3/4 x 3/4 x 1/2	* 258222	10	\$	28.05
	3/4 x 3/4 x 3/4	258107	10	\$	29.25
	3/4 x 3/4 x 1	* 258223	10	\$	30.85
	1 x 1 x 1/2	258108	5	\$	35.15
	1 x 1 x 3/4	* 258224	5	\$	37.25
	1 x 1 x 1	258109	5	\$	43.80
	1 x 1 x 1/4	* 258225	5	\$	47.35
	1 1/4 x 1 1/4 x 1/2	258110	1	\$	51.60
	1 1/4 x 1 1/4 x 3/4	258111	1	\$	58.55
	1 1/4 x 1 1/4 x 1 1/2	258112	1	\$	58.65
	1 1/4 x 1 1/4 x 1 1/4	* 258226	1	\$	58.60
	1 1/2 x 1 1/2 x 1/2	* 258227	1	\$	63.15
	1 1/2 x 1 1/2 x 3/4	* 258228	1	\$	65.20
	1 1/2 x 1 1/2 x 1 1/2	* 258229	1	\$	66.35
	1 1/2 x 1 1/2 x 2	258113	1	\$	69.05
	2 x 2 x 2	* 258230	1	\$	71.40

The ID Series fitting will fit SIDR 7, 9, 11.5 and 15 PE Pipe in all sizes.




## Philmac 3G Fittings


Description	Size inches	Product Code	Package Qty.	Unit Price
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### IPS ID (SIDR) Series Fittings- For ASTM D2239 PE Pipe


#### Male Tee Compression x Compression x MIPT

	3/4 x 3/4 x 1/2	*	258231	5	\$	28.20
	3/4 x 3/4 x 3/4	*	258232	5	\$	29.50


#### End Caps Compression

	1/2		258114	10	\$	7.65
	3/4		258115	10	\$	8.55
	1		258116	5	\$	12.75
	1 1/4		258117	1	\$	20.40
	1 1/2		258118	1	\$	23.75
	2		258183	1	\$	25.35

#### Tank Connectors Compression

	3/4 x 3/4	*	258190	10	\$	22.00
	1 x 1 BSP	*	258191	10	\$	31.60

#### Wall Plate Elbows Compression x FIPT

	1/2 x 1/2	*	258192	10	\$	20.45
	3/4 x 3/4	*	258193	10	\$	22.00


The ID Series fitting will fit SIDR 7, 9, 11.5 and 15 PE Pipe in all sizes.

## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### IPS OD Fittings - For ASTM D3035 PE Pipe


#### Couplings Compression x Compression

	1/2 x 1/2	*	--	10	\$	10.55
	3/4 x 3/4		258283	10	\$	13.25
	1 x 1		258284	5	\$	19.40
	1 1/4 x 1 1/4		258285	1	\$	31.85
	1 1/2 x 1 1/2		258286	1	\$	42.45
	2 x 2		258287	1	\$	56.60

#### Reducing Couplings Compression x Compression

	3/4 x 1/2	*	--	10	\$	11.90
	1 x 1/2	*	--	5	\$	15.00
	1 x 3/4	*	--	5	\$	16.10
	1 1/4 x 3/4	*	--	1	\$	28.45
	1 1/4 x 1	*	--	1	\$	31.55
	1 1/2 x 3/4	*	--	1	\$	43.20
	1 1/2 x 1	*	--	1	\$	45.00
	1 1/2 x 1 1/4	*	--	1	\$	46.15
	2 x 1	*	--	1	\$	52.05
	2 x 1 1/4	*	--	1	\$	52.55
	2 x 1 1/2	*	--	1	\$	53.80

#### Male Adapters Compression x MIPT


	1/2 x 1/2	*	--	--	\$	7.65
	1/2 x 3/4	*	--	--	\$	7.65
	3/4 x 1/2	*	--	--	\$	9.30
	3/4 x 3/4		258272	10	\$	9.30
	3/4 x 1	*	--	--	\$	9.65
	1 x 3/4	*	--	--	\$	12.10
	1 x 1		258273	5	\$	12.10
	1 x 1 1/4	*	--	--	\$	13.30
	1 1/4 x 1	*	--	--	\$	18.35
	1 1/4 x 1 1/4		258274	1	\$	19.15
	1 1/4 x 1 1/2	*	--	--	\$	19.45
	1 1/2 x 1 1/2		258275	1	\$	24.30
	1 1/2 x 2	*	--	--	\$	24.65
	2 x 2		258276	1	\$	27.40

## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### IPS OD Fittings - For ASTM D3035 PE Pipe


#### Female Adapters Compression x FIPT

	1/2 x 1/2	*	--	10	\$	7.65
	1/2 x 3/4	*	--	10	\$	13.75
	3/4 x 1/2	*	--	10	\$	14.25
	3/4 x 3/4	*	--	10	\$	14.55
	3/4 x 1	*	--	10	\$	14.75
	1 x 3/4	*	--	5	\$	16.55
	1 x 1	*	--	5	\$	18.40
	1 x 1 1/4	*	--	5	\$	31.25
	1 1/4 x 1 1/4	*	--	1	\$	29.40
	1 1/4 x 1 1/2	*	--	1	\$	42.90
	1 1/2 x 1 1/2	*	--	1	\$	37.20
	1 1/2 x 2	*	--	1	\$	58.75
	2 x 2	*	--	1	\$	34.20

#### Elbow Compression x Compression

	1/2 x 1/2	*	--	10	\$	11.05
	3/4 x 1/2	*	--	10	\$	12.70
	3/4 x 3/4	*	--	10	\$	13.15
	1 x 1		258280	5	\$	19.80
	1 1/4 x 1 1/4		258281	5	\$	35.10
	1 1/2 x 1 1/2		258282	1	\$	49.65
	2 x 2	*	--	1	\$	67.75

#### Female Elbows Compression x FIPT

	1/2 x 1/2	*	--	10	\$	15.10
	1/2 x 3/4	*	--	10	\$	15.85
	3/4 x 1/2	*	--	10	\$	16.80
	3/4 x 3/4	*	--	10	\$	19.30
	3/4 x 1	*	--	10	\$	16.95
	1 x 1	*	--	5	\$	19.90
	1 x 1 1/4	*	--	5	\$	30.10
	1 1/4 x 1 1/4	*	--	1	\$	31.35
	1 1/4 x 1 1/2	*	--	1	\$	30.80
	1 1/2 x 1 1/2	*	--	1	\$	42.70
	1 1/2 x 2	*	--	1	\$	44.50
	2 x 2	*	--	1	\$	48.90




## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### IPS OD Fittings - For ASTM D3035 PE Pipe


#### Male Elbows Compression x MIPT

	1/2 x 1/2	*	--	10	\$	15.10
	3/4 x 3/4	*	--	10	\$	17.10

#### Tee Compression x Compression x Compression

	1/2 x 1/2 x 1/2	*	--	10	\$	14.65
	3/4 x 3/4 x 3/4	*	--	5	\$	17.75
	1 x 1 x 1		258277	5	\$	27.50
	1 1/4 x 1 1/4 x 1 1/4		258278	1	\$	47.90
	1 1/2 x 1 1/2 x 1 1/2		258279	1	\$	65.90
	2 x 2 x 2	*	--	1	\$	71.40

#### Reducing Tee Compression x Compression x Compression


	3/4 x 3/4 x 1/2	*	--	5	\$	17.60
	3/4 x 3/4 x 1	*	--	5	\$	21.75
	1 x 1 x 3/4	*	--	5	\$	26.80
	1 1/4 x 1 1/4 x 3/4	*	--	1	\$	46.60
	1 1/4 x 1 1/4 x 1	*	--	1	\$	47.20
	1 1/2 x 1 1/2 x 3/4	*	--	1	\$	58.20
	1 1/2 x 1 1/2 x 1	*	--	1	\$	61.30
	1 1/2 x 1 1/2 x 1 1/4	*	--	1	\$	63.15
	2 x 2 x 3/4	*	--	1	\$	64.95
	2 x 2 x 1	*	--	1	\$	67.00
	2 x 2 x 1 1/2	*	--	1	\$	69.85

## Philmac 3G Fittings


Description	Size <i>inches</i>	Product Code	Package Qty.	Unit Price
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### IPS OD Fittings - For ASTM D3035 PE Pipe


#### Female Tees Compression x Compression x FIPT

	1/2 x 1/2 x 1/2	*	--	10	\$	15.10
	1/2 x 1/2 x 3/4	*	--	10	\$	22.80
	3/4 x 3/4 x 1/2	*	--	10	\$	25.10
	3/4 x 3/4 x 3/4	*	--	10	\$	26.55
	3/4 x 3/4 x 1	*	--	10	\$	21.20
	1 x 1 x 1/2	*	--	5	\$	35.45
	1 x 1 x 3/4	*	--	5	\$	37.00
	1 x 1 x 1	*	--	5	\$	41.60
	1 x 1 x 1 1/4	*	--	5	\$	36.05
	1 1/4 x 1 1/4 x 1/2	*	--	1	\$	50.95
	1 1/4 x 1 1/4 x 3/4	*	--	1	\$	52.85
	1 1/4 x 1 1/4 x 1 1/4	*	--	1	\$	54.00
	1 1/4 x 1 1/4 x 1 1/2	*	--	1	\$	54.15
	1 1/2 x 1 1/2 x 1/2	*	--	1	\$	63.15
	1 1/2 x 1 1/2 x 3/4	*	--	1	\$	65.20
	1 1/2 x 1 1/2 x 1 1/2	*	--	1	\$	66.35
	1 1/2 x 1 1/2 x 2	*	--	1	\$	69.05
	2 x 2 x 2	*	--	1	\$	71.40


#### Male Tees Compression x Compression x MIPT

	3/4 x 3/4 x 1/2	*	--	5	\$	25.10
	3/4 x 3/4 x 3/4	*	--	5	\$	26.55


#### End Caps Compression

	1/2	*	--	10	\$	7.40
	3/4	*	--	10	\$	9.30
	1	*	--	5	\$	13.20
	1 1/4	*	--	1	\$	15.15
	1 1/2	*	--	1	\$	23.75
	2	*	--	1	\$	25.35

#### Tank Connectors Compression

	3/4 x 3/4	*	--	10	\$	20.45
	1 x 1 BSP	*	--	10	\$	29.65

#### Wall Plate Elbows Compression x FIPT

	1/2 x 1/2	*	--	10	\$	16.80
	3/4 x 3/4	*	--	10	\$	18.90




## Philmac 3G Fittings


Description	Size inches	Product Code	Package Qty.	Unit Price
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### Copper Fittings - For Type K & L Copper Tube

#### Couplings Compression x Compression

	1/2 x 1/2	258288	10	\$	23.50
	3/4 x 3/4	258289	10	\$	25.95
	1 x 3/4	258291	10	\$	31.05
	1 x 1	258290	10	\$	33.80

#### Male Adapters Compression x MIPT

	1/2 x 1/2	258292	10	\$	15.35
	3/4 x 3/4	258293	10	\$	18.55
	1 x 1	258294	5	\$	20.55

Note: None of the above fittings require stainless steel inserts.




## Philmac 3G Fittings


Description	Size inches	Product Code	Package Qty.	Unit Price
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### Adaptor Kits


**CTS Adaptor Kit** (Includes Gold Collet, CTS Nut, CTS Seal)- For ASTM D2737 PE Pipe

	3/4"	258132	1	\$ 3.40
	1"	258133	1	\$ 5.30
	1 1/4"	258134	1	\$ 9.00
	1 1/2"	258135	1	\$ 11.00


**IPS ID Series Adaptor Kit** (Includes Red Collet, Red Insert, IPS ID Nut, IPS ID Seal)- For ASTM D2239 PE Pipe

	1/2	258137	1	\$ 8.10
	3/4	258138	1	\$ 9.00
	1	258139	1	\$ 10.90
	1 1/4"	258140	1	\$ 11.75
	1 1/2"	258141	1	\$ 19.65
	2"	258142	1	\$ 20.40


**IPS OD Adaptor Kit** (Includes Green Collet, IPS OD Nut, IPS OD Seal)- For ASTM D3035 PE Pipe

	1/2	258235	1	\$ 2.80
	3/4	258125	1	\$ 3.40
	1	258126	1	\$ 5.60
	1 1/4	258127	1	\$ 9.50
	1 1/2	258128	1	\$ 11.55
	2	258129	1	\$ 12.75


**Copper Adaptor Kit** (Includes Brown Carburundum Gripper, Copper Nut, Copper Seal) - For Type K & L Copper Tube

	1/2	258119	1	\$ 9.75
	3/4	258120	1	\$ 10.35
	1	258121	1	\$ 11.85

**XPA Adaptor Kit** (Includes Blue Collet, XPA Nut, XPA Seal)- For XPA/Kitec/Q-Line/Composite Pipe

	3/4	258123	1	\$ 4.35
	1	258124	1	\$ 6.90

**Blanking Plugs** Used for CTS, IPS ID and IPS OD Fittings


	CTS	IPS ID/OD			
	3/4	1/2	258184	10	\$ 3.60
	1	3/4	258185	10	\$ 4.20
	1 1/4	1	258186	10	\$ 4.95
	1 1/2	1 1/4	258187	5	\$ 5.85
	-	1 1/2	258188	5	\$ 6.40
	-	2	258189	5	\$ 8.55

Note: These adapter kits are used to convert Philmac 3G Fittings between Copper, XPA, CTS OD, IPS OD and IPS ID fittings. See page 16 of this ordering guide "Converting Philmac 3G Fittings" for complete conversion instructions.


## Universal Transition Couplings & Fittings

Description	Size Range			Product Code	Package Qty.	Unit Price
	mm	Body Size	inches			


### Coupling UTC x UTC

	15 - 21 x 15 - 21mm	A x A	0.59 - 0.83 x 0.59 - 0.83"	255208	10	\$ 31.75
	21 - 27 x 21 - 27mm	B x B	0.83 - 1.06 x 0.83 - 1.06"	255209	10	\$ 34.25
	27 - 34 x 27 - 34mm	C x C	1.06 - 1.34 x 1.06 - 1.34"	255210	10	\$ 49.80
	34 - 39 x 34 - 39mm	D x D	1.34 - 1.54 x 1.34 - 1.54"	255946	5	\$ 57.00
	39 - 43 x 39 - 43mm	E x E	1.54 - 1.69 x 1.54 - 1.69"	255211	5	\$ 62.75
	47 - 49 x 47 - 49mm	F x F	1.85 - 1.93 x 1.85 - 1.93"	255947	2	\$ 87.75
	59 - 61 x 59 - 61mm	G x G	2.32 - 2.40 x 2.32 - 2.40"	255948	2	\$ 108.95


### Reducing Coupling UTC x UTC

	21 - 27 x 15 - 21mm	B x A	0.83 - 1.06 x 0.59 - 0.83"	255212	10	\$ 36.85
	27 - 34 x 15 - 21mm	C x A	1.06 - 1.34 x 0.59 - 0.83"	255214	10	\$ 49.05
	27 - 34 x 21 - 27mm	C x B	1.06 - 1.34 x 0.83 - 1.06"	255213	10	\$ 49.05
	<b>34 - 39 x 27 - 34mm</b>	<b>D x C</b>	<b>1.34 - 1.54 x 1.06 - 1.34"</b>	<b>255197</b>	<b>5</b>	<b>\$ 57.00</b>
	39 - 43 x 27 - 34mm	E x C	1.54 - 1.69 x 1.06 - 1.34"	255215	5	\$ 56.85


### Elbow UTC x UTC

	15 - 21 x 15 - 21mm	A x A	0.59 - 0.83 x 0.59 - 0.83"	255156	10	\$ 48.10
	21 - 27 x 21 - 27mm	B x B	0.83 - 1.06 x 0.83 - 1.06"	255157	10	\$ 49.95


### Tee UTC x UTC x UTC

	15 - 21mm x (3)	A x A x A	0.59 - 0.83" x (3)	255158	10	\$ 61.10
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### Tee UTC X UTC x FIPT

	15 - 21mm x 3/4" FIPT	A x 3/4"	0.59 - 0.83" x 3/4" FIPT	255159	10	\$ 24.85
	<b>15 - 21mm x 1" FIPT</b>	<b>A x 1"</b>	<b>0.59 - 0.83" x 1" FIPT</b>	<b>255166</b>	<b>10</b>	<b>\$ 24.85</b>
	21 - 27mm x 3/4" FIPT	B x 3/4"	0.83 - 1.06" x 3/4" FIPT	255167	10	\$ 35.00
	<b>21 - 27mm x 1" FIPT</b>	<b>B x 1"</b>	<b>0.83 - 1.06" x 1" FIPT</b>	<b>255168</b>	<b>10</b>	<b>\$ 35.00</b>

### Adapter UTC X MIPT

	15 - 21mm x 3/4" MIPT	A x 3/4"	0.59 - 0.83" x 3/4" MIPT	255169	10	\$ 20.25
	21 - 27mm x 3/4" MIPT	B x 3/4"	0.83 - 1.06" x 3/4" MIPT	255344	10	\$ 23.85
	27 - 34mm x 3/4" MIPT	C x 3/4"	1.06 - 1.34" x 3/4" MIPT	255345	10	\$ 30.15
	<b>27 - 34mm x 1" MIPT</b>	<b>C x 1"</b>	<b>1.06 - 1.34" x 1" MIPT</b>	<b>255196</b>	<b>10</b>	<b>\$ 36.55</b>

## Universal Transition Couplings (UTC) & Fittings

- Universal transition couplings are the ideal solution for connecting a wide variety of pipes.
- One coupling connects copper, galvanized iron, PVC, ABS, lead and even PE and PEX.
- Wide tolerance range allows seven couplings to cover pipe sizes from 1/2" to 2".
- Easy to fit "Slide & Tighten" technology.
- Couplings are end-load resistant with no restraint needed to prevent pipe pull-out.

## CONVERTING PHILMAC 3G FITTINGS

Philmac 3G Compression Fittings offer the flexibility to connect to 5 different types of pipe; 3 polyethylene pipe types (CTS, IPS ID Series and, IPS OD), Composite, and Copper.

There are two dedicated fittings, CTS and ID Series, which come preassembled and ready to use. That leaves the three others; IPS, XPA, and Copper that require a conversion kit. Converting a Philmac fitting is very simple and can be done in just a few steps.

The table below shows how the various pipe types and size relate to one another. Each column shows the equivalent joint. Since Philmac fittings are only available in CTS and ID Series, it is essential to relate the conversion kit you need to the corresponding CTS or ID Series fitting. For example, to connect a 3/4" IPS OD pipe with a Philmac 3G fitting you will need either a 1" CTS or 3/4" ID Series fitting as well as a 3/4" IPS OD conversion kit.

PIPE TYPE	BODY SIZE						
	2	3	4	5	6	6cts	7
CTS	3/4"	1"	1 1/4"	1 1/2"	–	2"	–
ID Series	1/2"	3/4"	1"	1 1/4"	1 1/2"	–	2"
IPS OD	1/2"	3/4"	1"	1 1/4"	1 1/2"	–	2"
XPA	–	3/4"	1"	–	–	–	–
Copper	1/2"	3/4"	1"	–	–	–	–

How to use the table:

1. Locate the size and type of pipe you need on one end of the fitting.
2. In the same column, locate the corresponding CTS or ID Series size.
3. Locate the size and type of pipe you need on the other end of the fitting.
4. In the same column, locate the corresponding CTS or ID Series size.
5. Order the CTS or ID Series fitting that you have located in steps 2 and 4, and order the corresponding conversion kits located in steps 1 and 3.

Example:

You need to connect 3/4" IPS OD to 3/4" CTS

Steps:

1. Locate 3/4" IPS OD in the chart.
2. Move up in the chart and locate the corresponding CTS fitting: 3/4" IPS OD fits into a 1" CTS fitting.
3. Located 3/4" CTS in the chart.
4. You have now located 1" and 3/4" CTS.

Order:

You need to order a 1" x 3/4" CTS fitting and a 3/4" IPS OD conversion kit to join 3/4" IPS OD to 3/4" CTS pipe.

## CONVERSION INSTRUCTIONS

Now that you have purchased and received your Philmac 3G fitting and conversion kits, it is time to convert the fitting.

Converting a Philmac 3G fitting is very simple and can be accomplished in just 5 simple steps:

1. Unscrew and discard the nut, then remove and discard the collet and seal/insert.
2. Open the conversion kit package.
3. Install the new seal first.
4. Then install the new collet.
5. Finally, screw on the new nut until 2 threads are showing. When two threads are showing the collet is fully relaxed and you can now insert the pipe into the fitting.

**WARNING:** Although they may look similar, the nuts, collets, and seals are NOT interchangeable. Ensure that you discard the existing nut, collet, and seal before you install the new one. Mixing components WILL result in a leaky joint.

## UNIVERSAL TRANSITION COUPLINGS – UTC's

Universal Transition Couplings are designed to fit a wide range of outside pipe diameters. Unlike Philmac 3G, which are designed for specific pipe types and sizes, UTC's are designed to fit any pipe within a certain size tolerance.

With their innovative stainless steel gripper design, UTC's can connect to pretty much anything. Virtually all metal pipes and even PVC and polyethylene can be connected using a UTC. Since they are designed to accommodate a range of outside diameters, UTC's are perfect for old, corroded, and out of round pipes that may have an odd outside pipe diameter.

The following sizing chart shows some common pipe types and sizes along with the corresponding UTC. This chart is intended as a quick reference only and is not meant to be definitive. If you are unsure on the size of UTC fitting required, it is recommended to measure the actual outside diameter of the pipe.

UTC SIZING CHART							
	0.59" - 0.83"	0.83" - 1.06"	1.06" - 1.34"	1.34" - 1.54"	1.54" - 1.69"	1.85" - 1.93"	2.32" - 2.40"
	A	B	C	D	E	F	G
	15 - 21 mm	21 - 27 mm	27 - 34 mm	34 - 39 mm	39 - 43 mm	47 - 49 mm	59 - 61 mm
PIPE MATERIAL/STANDARD	NOMINAL PIPE SIZE (inches)						
PE/PEX CTS OD	1/2	3/4	1	1 1/4	1 1/2	---	---
PE IPS OD	---	1/2 or 3/4	1	---	1 1/4	1 1/2	2
PE SIDR 7	1/2	3/4	---	1	---	---	---
PE SIDR 9	1/2	3/4	1	---	1 1/4	---	---
PE SIDR 11.5	1/2	3/4	1	---	1 1/4	1 1/2	---
PE SIDR 15	1/2	3/4	1	---	1 1/4	---	2
Copper CTS OD	1/2	3/4	1	1 1/4	1 1/2	---	---
PVC IPS OD	---	1/2 or 3/4	1	---	1 1/4	1 1/2	2
Galvanized Iron IPS OD	---	1/2 or 3/4	1	---	1 1/4	1 1/2	2
ABS IPS OD	---	1/2 or 3/4	1	---	1 1/4	1 1/2	2
Lead - Strong	1/2	5/8	3/4	1	1 1/4	---	---
Lead - Extra Strong	---	1/2	5/8 or 3/4	1	---	---	---
Lead - Double Extra Strong	---	1/2	5/8 or 3/4*	3/4*	1	1 1/4	---

\* If 3/4" XXS Lead Pipe OD is larger than 1.34", the pipe needs to be shaved if using a Size C UTC fitting. Otherwise, a Size D UTC Coupling can be used when OD is larger than 1.34".

**NOTE:** It is recommended that you ALWAYS measure the actual outside diameter of the pipe you are connecting to ensure a proper fit with the Universal Transition Coupling.

## UTC's vs. 3G – USAGE COMPARISON CHART

UTC should be used when connecting...	3G should be used when connecting...
Metal Pipe: Galvanized Iron and Steel Copper Lead Aluminium etc. PVC ABS Old or Out-of-Round Pipe Corroded Pipe Odd ODs Unknown Materials	Polyethylene Pipe: CTS ID Series IPS OD Composite Pipe: XPA Q-Line PE to Copper (1" and smaller) Composite to Copper (1" and smaller) Copper to Copper (1" and smaller)



## Philmac 3G Fittings

## NOTES

Patient Information	
First Name	
Last Name	
Date of Birth	
Gender	
Address	
City	
State	
Zip	
Phone	
Medical History	
Allergies	
Current Medications	
Past Medical History	
Family History	
Social History	
Physical Examination	
Vital Signs	
Laboratory Tests	
Imaging Studies	
Diagnosis	
Treatment Plan	
Follow-up	



***IPEX USA LLC.***

## **General Terms & Conditions of Sale**

### **1. Scope**

These terms and conditions govern the sale of all products ("Products") sold by IPEX USA LLC (the "Company"). **A Purchaser's order is accepted on the terms and conditions stated herein and on any additional or specific terms and conditions agreed to in writing by the Company. It is expressly agreed that any terms and conditions contained in the Purchaser's order or otherwise stipulated will be deemed for the Purchaser's internal use only and will not be binding on the Company.**

### **2. Orders**

Purchaser's orders are conditional upon satisfactory credit approval by the Company. The Company will only accept orders in excess of \$100 before taxes or such greater amount as may be specified for certain products. Once confirmed by the Company, orders for custom-made products manufactured to the Purchaser's specifications, and orders for large quantities of non-inventoried products, cannot be cancelled or modified, except with the Company's written consent and upon terms which provide for indemnification of the Company for the costs and expenses incurred.

### **3. Shipments**

Delivery schedules stipulated in either the quotation ("Quotation") or the order confirmation ("Order Confirmation") are approximate only, and shipment will be made within reasonable proximity thereto. Under no circumstances will the Company be responsible for any damage whatsoever caused by delays in shipment whether resulting from causes within or beyond the control of the Company. All shipments are F.O.B. the Company's location per the American standard sales terminology, or Ex Works per the Incoterms international rules applied to foreign trade contracts. The Company shall bear no liability for Products lost or damaged during transit. The Company may agree to different shipment terms as specified in the Quotation or in the Order Confirmation. Freight prepaid orders, when applicable, will be delivered by the carrier of the Company's selection, unless the use of other carriers is agreed to in writing with the Purchaser. Purchaser must verify quantities and report discrepancies within 2 business days of receipt.

### **4. Prices**

All prices quoted or published are F.O.B. the Company's location or Ex Works. Published prices are subject to change without notice until orders are accepted by the issuance of an Order Confirmation whereupon prices will remain firm for those shipments that take place within the 30-day period following the date of the Order Confirmation. For specific projects, contracts or Quotations, the Company may agree in writing to protect prices for an extended period of time. Each order may be shipped in whole or in part at the Company's discretion. Each shipment made will be immediately invoiced. Quoted or published prices do not include any sales, use, excise or any other tax or levy imposed by any present or future law, regulation or other order, on any of the Products. The Purchaser must provide the Company with tax exemption certificates or other documents, as required by the specific tax jurisdiction, in order not to be charged for any of the applicable taxes.

### **5. Terms of Payment**

Unless other terms of payment are agreed to in writing by the Company, payment is due upon delivery of the Products. If applicable, cash discounts, expressed as a percentage, are calculated on the net invoiced prices before any taxes, freight or other charges and can only be deducted from payment if the Company receives payment from Purchaser on or prior to the due date. Net 30 days means that payment is due within 30 days of the date of invoice and no cash discount is applicable. Overdue accounts shall bear interest at a rate of 18% per annum. The granting of credit by the Company is at all times based on its evaluation of the Purchaser's financial condition. If such financial condition does not justify continuance of shipment on credit, the Company may require full or partial payment in advance.

### **6. Title to the Goods Sold**

The Purchaser acknowledges and agrees that so long as the Products are in his possession, title to the Products shall remain with the Company until full payment therefore is received by the Company. The Purchaser agrees to defend, indemnify and save the Company harmless from any and all costs, expenses and damages arising out of any claims asserted against the Company pursuant to the exercise of its ownership rights or any recourse in payment of purchase price.

### **7. Return of Products**

The Company may accept the return of Products, subject to the following: a) prior to returning any Products, the Purchaser must obtain a Return Material Authorization (RMA) number from the Company, b) Products must be returned freight prepaid, unless otherwise authorized by the Company and c) Products must be received in good saleable condition, and if required, in full carton quantities and in their original packaging. A minimum return charge of 25% of the purchase price will be applied against any credit issued pursuant to the return of Products, except in the case of a Company shipping error. The Company may apply additional charges against the credit to cover remarketing costs or may refuse to issue any credit, but will advise the Purchaser accordingly. Certain Products such as pressure pipe, custom-made configurations, obsolete products, excessive quantities, or other specialty products cannot be returned.

Continued on next page



***IPEX USA LLC.***

## **General Terms & Conditions of Sale (Con't)**

### **8. Warranty**

8.1. All of the Company's Products are guaranteed against defects resulting from faulty workmanship or materials. The Company will replace, free of charge, including shipping charges for the replacement Products, any Products which are found to be defective in workmanship or material, provided that the following conditions are met:

- a) the Company is promptly notified in writing of such defect immediately upon discovery of same, and the defective Product is promptly returned to the Company;
- b) the defect is not due, without limitation, to faulty installation, misalignment of Products, vibration, ordinary wear and tear, corrosion, erosion, U.V. degradation, incompatible lubricants, pastes and thread sealants, unusual pressure surges or pulsation, water hammer, temperature shocking, or fouling; and
- c) the Products have not been altered or modified after leaving the Company's premises.

The warranty period can be specifically limited for certain Products as stated in writing in the Company's literature.

8.2. The Company will not allow claims for labor, materials and/or other expenses required to replace the defective Product, or to repair any damage resulting from the use thereof. The Company disclaims any responsibility for the Purchaser's calculations, product drawings or engineering design specifications. The Company's liability is limited to the purchase price applicable to the product.

8.3. It is agreed and understood that the Company's liability in respect to the sale is strictly limited to the replacement of Products as hereinbefore specified and that the Company shall not, in any event, be liable for any damages whether for the loss of use or business interruption or any other claim for incidental, consequential, special or punitive damages. There is no warranty, condition or representation of any nature whatsoever, expressed or implied, by statute or otherwise, except as herein contained, and the Company disclaims any implied warranties of merchantability and/or fitness of its Products for a special purpose.

### **9. Limitation of Liability**

The Company reserves the right to make changes or improvements to its Products without assuming any further obligation. The Company disclaims any responsibility regarding the accuracy of any plans, drawings or specifications furnished to the Purchaser as part of the sale of any of its Products. The Company's Products shall be used or tested in applications or under conditions that are in accordance with the technical information or literature available from the Company.

### **10. Patent Rights**

If any claim is made against the Purchaser based on the allegation that any of the Products manufactured by the Company constitute an infringement of any U.S. or Canadian patent, the Purchaser shall notify the Company immediately. The Company shall have the right, at its own option and expenses, to take any actions to protect and defend its rights.

### **11. Force Majeure**

The Company shall in no event be responsible or liable for any non-performance or delay in performance hereunder or any loss or damage of any kind or nature whatsoever, direct or indirect, suffered by the Purchaser, subsequent purchasers, ultimate users of the goods or any other person, as a result of any causes beyond the reasonable control of the Company including, without limitation, price alterations, delay in shipments, strikes, lock-outs, fires, floods, civil commotion, riots, wars, acts of God, embargos, labor shortages, walk-outs, work slowdowns, accidents, breakdowns, delays in manufacture, transportation or delivery of goods or materials, shortages of materials or supplies, government acts or regulations or licensing action.

### **12. Governing Law**

This agreement and all rights and obligations hereunder shall be governed by the laws of the state of New York, and all actions commenced pursuant hereto shall be brought in a court of competent jurisdiction residing in the state of New York.

### **13. Non-waiver**

No delay, failure, change or waiver by the Company to exercise any one or more of these terms and conditions of sale shall be construed or shall operate to be a waiver thereof or a continuing waiver of such terms and conditions.



## Philmac 3G Fittings

### Customer Service Center

#### Denver Office

9940 East 47th Avenue  
Denver, CO 80238

☎ (303) 754-0102  
TOLL FREE (800) 473-9808  
FAX (303) 754-0109

#### SPECIFIC TERMS OF SALE:

Taxes:	Extra
Transport:	F.O.B. Stocking Point
Prices:	Prices subject to change without notice.
Returned Goods:	After written approval from IPEX merchandise may be returned to our facilities. The goods must be returned freight prepaid and will be subject to a restocking charge.

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