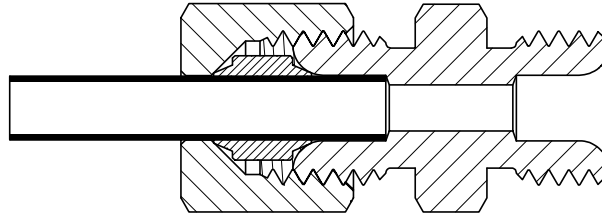


# Compression Fittings



TITON Compression Fittings are designed to comply with established industry standards. This economical fitting is available in a wide range of off-the-shelf sizes and styles. They are manufactured from high quality grade brass alloy.

## ADVANTAGES

Simple to assemble. No soldering, flaring or deburring is necessary. Suitable for use in a wide variety of applications.

## APPLICATIONS

May be used with copper, aluminium, brass, and plastic tubing. Use with steel tubing is not recommended. Installation should be where low to medium pressures are encountered, and modest tube vibration/movement is involved. Suitable for hazardous liquids, oils, and fuel.

## WORKING PRESSURES

Generally, working pressure is dependant upon the type of tubing used and not the fitting. Consequently the table shown below should be used as a guide only.

## ASSEMBLY

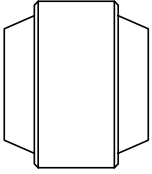
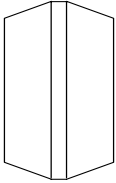
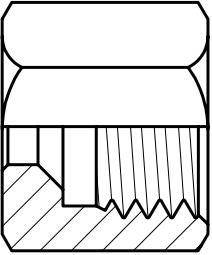
- I. Slide nut then sleeve onto tube ensuring threaded end of nut is facing the sleeve.
- II. If using a plastic tube, push a 261 Insert into tube to prevent tube from collapsing.
- III. Insert the tube into the fitting until the tube has bottomed onto the fitting shoulder.
- IV. Screw nut onto the fitting and tighten "hand tight". **Using the table below, follow the number of additional wrench turns.**

Tube Size	Hydraulic kPa [PSI]	Pneumatic kPa [PSI]	Wrench Turns
1/8	3500 [500]	2000 [290]	1
3/16	3500 [500]	1750 [250]	1
1/4	2750 [400]	1400 [200]	1
5/16	2750 [400]	1400 [200]	1
3/8	2000 [290]	1050 [150]	1
1/2	2000 [290]	1050 [150]	1½
5/8	1400 [200]	700 [100]	1½
3/4	1400 [200]	700 [100]	1½

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# Compression Fittings

**COMP**

<b>60N</b>  	<b>Sleeve</b> For All Materials. Ideal For Nylon				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	60N02	100	1/8	-	
	60N03	100	3/16	-	
	60N04	100	1/4	-	
	60N05	100	5/16	-	
	60N06	100	3/8	-	
	60N08	50	1/2	-	
	60N10	50	5/8	-	
	60N12	50	3/4	-	
<b>60</b>  	<b>Sleeve</b> Ideal For Copper				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	6002	100	1/8	-	
	6003	100	3/16	-	
	6004	100	1/4	-	
	6005	100	5/16	-	
	6006	100	3/8	-	
	6008	50	1/2	-	
	6010	50	5/8	-	
	6012	50	3/4	-	
<b>61</b>  	<b>Compression Nut</b>				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	6102	50	1/8	-	
	6103	50	3/16	-	
	6104	50	1/4	-	
	6105	50	5/16	-	
	6106	50	3/8	-	
	6108	25	1/2	-	
	6110	15	5/8	-	
	6112	15	3/4	-	

# Compression Fittings

Hose Insert					261
Provides Support For Plastic Tubes					
Part Number	Standard Pack	Tube OD	Tube ID	Price Per Piece	
26103	50	3/16	3.10mm		
26104	50	1/4	3.86mm		
26105	50	5/16	5.03mm		
26106	20	3/8	5.84mm		
26108	20	1/2	9.14mm		
26110	10	5/8	12.20mm		

Double Union					62
Supplied Complete With 60N Sleeves and 61 Nuts					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
6202	25	1/8	-		
6203	25	3/16	-		
6204	25	1/4	-		
6205	25	5/16	-		
6206	25	3/8	-		
6208	10	1/2	-		
6210	10	5/8	-		
6212	5	3/4	-		

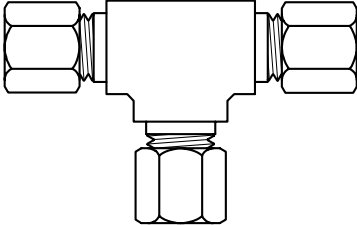
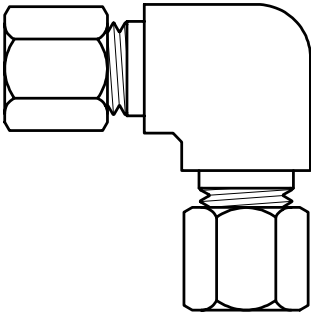
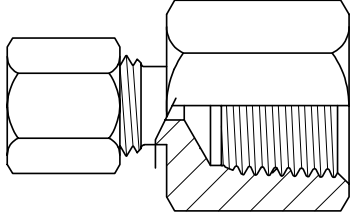
  

Reducing Union					62R
Supplied Complete With 60N Sleeves and 61 Nuts					
Part Number	Standard Pack	Tube	Tube	Price Per Piece	
62R0403	20	1/4	3/16		
62R0504	20	5/16	1/4		
62R0604	20	3/8	1/4		
62R0605	20	3/8	5/16		
62R0804	-	1/2	1/4		
62R0806	5	1/2	3/8		
62R1006	-	5/8	3/8		

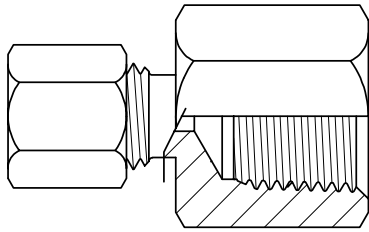
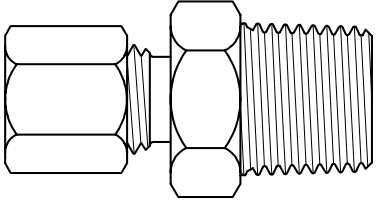
**COMP**

# Compression Fittings

COMP

<h2>64</h2> 	<h3>Union Tee</h3> <p>Supplied Complete With 60N Sleeves and 61 Nuts.</p>				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	6402	20	1/8	-	
	6403	10	3/16	-	
	6404	10	1/4	-	
	6405	10	5/16	-	
	6406	10	3/8	-	
	6408	10	1/2	-	
	6410	5	5/8	-	
	6412	-	3/4	-	
<h2>65</h2> 	<h3>Union Elbow</h3> <p>Supplied Complete With 60N Sleeves and 61 Nuts.</p>				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	6502	20	1/8	-	
	6503	20	3/16	-	
	6504	20	1/4	-	
	6505	20	5/16	-	
	6506	10	3/8	-	
	6508	10	1/2	-	
	6510	-	5/8	-	
	6512	-	3/4	-	
<h2>66</h2> 	<h3>Female Connector</h3> <p>Supplied Complete With 60N Sleeves and 61 Nuts.</p>				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	660202	20	1/8	1/8 BSPP	
	660302	20	3/16	1/8 BSPP	
	660402	20	1/4	1/8 BSPP	
	660404	20	1/4	1/4 BSPP	
	660406	20	1/4	3/8 BSPP	
	660408	10	1/4	1/2 BSPP	
	660502	20	5/16	1/8 BSPP	
	660504	20	5/16	1/4 BSPP	
	660506	20	5/16	3/8 BSPP	

# Compression Fittings

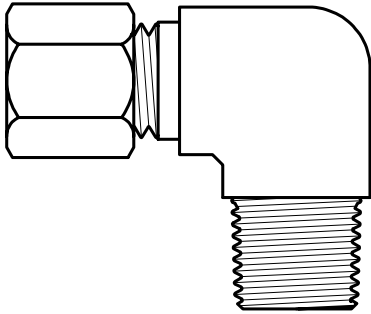
...Continued from previous page.					<h2>66</h2> 
<h3>Female Connector</h3>					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	<h2>68</h2> 
660602	20	3/8	1/8 BSPP		
660604	20	3/8	1/4 BSPP		
660606	20	3/8	3/8 BSPP		
660608	20	3/8	1/2 BSPP		
660806	10	1/2	3/8 BSPP		
660808	10	1/2	1/2 BSPP		
661208	-	3/4	1/2 BSPP		
661212	-	3/4	3/4 BSPP		
<h3>Male Connector</h3> Supplied Complete With 60N Sleeves and 61 Nuts					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
680202	20	1/8	1/8 BSPT		
680204	20	1/8	1/4 BSPT		
680302	20	3/16	1/8 BSPT		
680304	20	3/16	1/4 BSPT		
680402	25	1/4	1/8 BSPT		
680404	25	1/4	1/4 BSPT		
680406	20	1/4	3/8 BSPT		
680408	10	1/4	1/2 BSPT		
680412	10	1/4	3/4 BSPT		
680502	25	5/16	1/8 BSPT		
680504	25	5/16	1/4 BSPT		
680506	20	5/16	3/8 BSPT		
680508	10	5/16	1/2 BSPT		
680602	20	3/8	1/8 BSPT		
680604	25	3/8	1/4 BSPT		
680606	10	3/8	3/8 BSPT		
680608	20	3/8	1/2 BSPT		
680804	10	1/2	1/4 BSPT		
680806	20	1/2	3/8 BSPT		
680808	10	1/2	1/2 BSPT		
680812	10	1/2	3/4 BSPT		
681006	10	5/8	3/8 BSPT		
681008	10	5/8	1/2 BSPT		
681012	10	5/8	3/4 BSPT		
681204	-	3/4	1/4 BSPT		
681208	5	3/4	1/2 BSPT		
681212	5	3/4	3/4 BSPT		
681616	2	1"	1" BSPT		

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# Compression Fittings

**COMP**

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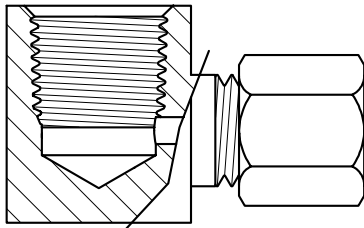


## Male Elbow

Supplied Complete With 60N Sleeves and 61 Nuts.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
690202	20	1/8	1/8 BSPT	
690302	20	3/16	1/8 BSPT	
690402	20	1/4	1/8 BSPT	
690404	20	1/4	1/4 BSPT	
690406	20	1/4	3/8 BSPT	
690502	20	5/16	1/8 BSPT	
690504	20	5/16	1/4 BSPT	
690602	20	3/8	1/8 BSPT	
690604	20	3/8	1/4 BSPT	
690606	10	3/8	3/8 BSPT	
690608	10	3/8	1/2 BSPT	
690804	10	1/2	1/4 BSPT	
690806	10	1/2	3/8 BSPT	
690808	10	1/2	1/2 BSPT	
691006	5	5/8	3/8 BSPT	
691008	5	5/8	1/2 BSPT	
691208	5	3/4	1/2 BSPT	
691212	1	3/4	3/4 BSPT	

**70**



## Female Elbow

Supplied Complete With 60N Sleeves and 61 Nuts.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
700202	20	1/8	1/8 BSPP	
700302	20	3/16	1/8 BSPP	
700402	20	1/4	1/8 BSPP	
700604	10	3/8	1/4 BSPP	
700806	10	1/2	3/8 BSPP	

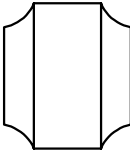
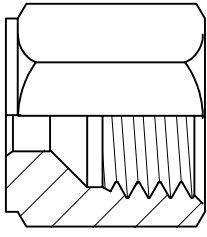
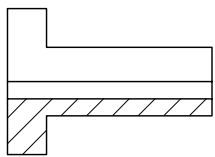
# Compression Fittings

**COMP**

<b>Union Male Run Tee</b>					<b>71</b>
Supplied Complete With 60N Sleeves and 61 Nuts.					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
710202	10	1/8	1/8 BSPT		
710302	10	3/16	1/8 BSPT		
710402	10	1/4	1/8 BSPT		
710404	10	1/4	1/4 BSPT		
710502	10	5/16	1/8 BSPT		
710504	10	5/16	1/4 BSPT		
710604	10	3/8	1/4 BSPT		
710806	5	1/2	3/8 BSPT		
<b>Union Male Branch Tee</b>					<b>72</b>
Supplied Complete With 60N Sleeves and 61 Nuts					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
720202	20	1/8	1/8 BSPT		
720302	20	3/16	1/8 BSPT		
720402	10	1/4	1/8 BSPT		
720404	10	1/4	1/4 BSPT		
720502	10	5/16	1/8 BSPT		
720504	10	5/16	1/4 BSPT		
720604	10	3/8	1/4 BSPT		
720606	1	3/8	3/8 BSPT		
720804	1	1/2	1/4 BSPT		
720806	1	1/2	3/8 BSPT		
<b>Male/Female Run Tee</b>					<b>76</b>
Supplied Complete With 60N Sleeves and 61 Nuts					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
760202	10	1/8	1/8 BSPT		
760302	10	3/16	1/8 BSPT		
760402	10	1/4	1/8 BSPT		
760502	10	5/16	1/8 BSPT		
760604	10	3/8	1/4 BSPT		

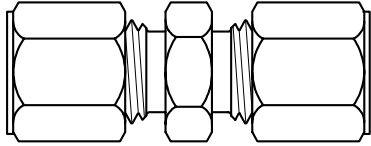
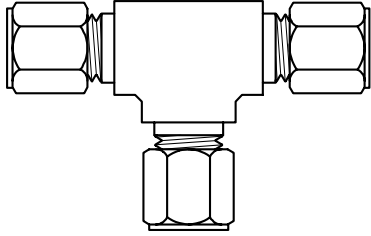
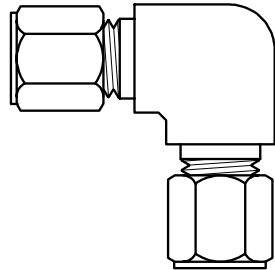
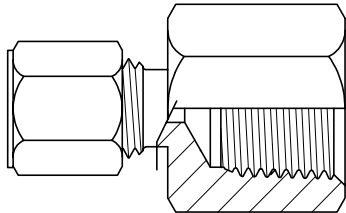
# Metric Compression Fittings

**COMP**

<p><b>M60N</b></p> 	<p style="text-align: center;"><b>Metric Sleeve</b> For All Materials. Ideal For Nylon</p> <table border="1"> <thead> <tr> <th>Part Number</th> <th>Standard Pack</th> <th>Tube</th> <th>Pipe Thread</th> <th>Price Per Piece</th> </tr> </thead> <tbody> <tr> <td>M60N04</td> <td>50</td> <td>4 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M60N06</td> <td>50</td> <td>6 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M60N08</td> <td>50</td> <td>8 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M60N10</td> <td>50</td> <td>10 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M60N12</td> <td>20</td> <td>12 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M60N16</td> <td>20</td> <td>16 mm</td> <td>-</td> <td></td> </tr> </tbody> </table>	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	M60N04	50	4 mm	-		M60N06	50	6 mm	-		M60N08	50	8 mm	-		M60N10	50	10 mm	-		M60N12	20	12 mm	-		M60N16	20	16 mm	-	
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<p><b>M61</b></p> 	<p style="text-align: center;"><b>Metric Compression Nut</b></p> <table border="1"> <thead> <tr> <th>Part Number</th> <th>Standard Pack</th> <th>Tube</th> <th>Pipe Thread</th> <th>Price Per Piece</th> </tr> </thead> <tbody> <tr> <td>M6104</td> <td>20</td> <td>4 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M6106</td> <td>20</td> <td>6 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M6108</td> <td>20</td> <td>8 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M6110</td> <td>20</td> <td>10 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M6112</td> <td>20</td> <td>12 mm</td> <td>-</td> <td></td> </tr> <tr> <td>M6116</td> <td>10</td> <td>16 mm</td> <td>-</td> <td></td> </tr> </tbody> </table>	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	M6104	20	4 mm	-		M6106	20	6 mm	-		M6108	20	8 mm	-		M6110	20	10 mm	-		M6112	20	12 mm	-		M6116	10	16 mm	-	
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M6110	20	10 mm	-																																	
M6112	20	12 mm	-																																	
M6116	10	16 mm	-																																	
<p><b>M261</b></p> 	<p style="text-align: center;"><b>Metric Hose Insert</b> Provides Support For Plastic Tubes.</p> <table border="1"> <thead> <tr> <th>Part Number</th> <th>Standard Pack</th> <th>Tube OD</th> <th>Tube ID</th> <th>Price Per Piece</th> </tr> </thead> <tbody> <tr> <td>M26104</td> <td>50</td> <td>4 mm</td> <td>2.25 mm</td> <td></td> </tr> <tr> <td>M26106</td> <td>50</td> <td>6 mm</td> <td>3.50 mm</td> <td></td> </tr> <tr> <td>M26108</td> <td>50</td> <td>8 mm</td> <td>5.05 mm</td> <td></td> </tr> <tr> <td>M26110</td> <td>50</td> <td>10 mm</td> <td>6.35 mm</td> <td></td> </tr> <tr> <td>M26112</td> <td>50</td> <td>12 mm</td> <td>8.40 mm</td> <td></td> </tr> </tbody> </table>	Part Number	Standard Pack	Tube OD	Tube ID	Price Per Piece	M26104	50	4 mm	2.25 mm		M26106	50	6 mm	3.50 mm		M26108	50	8 mm	5.05 mm		M26110	50	10 mm	6.35 mm		M26112	50	12 mm	8.40 mm						
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M26110	50	10 mm	6.35 mm																																	
M26112	50	12 mm	8.40 mm																																	

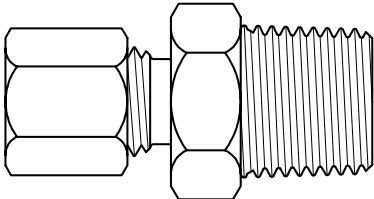
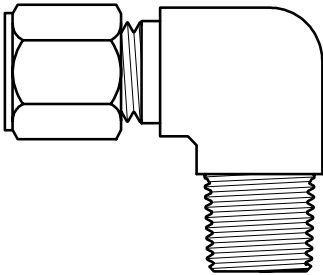
# Metric Compression Fittings

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<b>Metric Double Union</b> Supplied Complete With M60N Sleeves and M61 Nuts					<b>M62</b>  
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M6204	10	4 mm	-		
M6206	10	6 mm	-		
M6208	10	8 mm	-		
M6210	10	10 mm	-		
M6212	5	12 mm	-		
M6216	5	16 mm	-		
<b>Metric Union Tee</b> Supplied Complete With M60N Sleeves and M61 Nuts					<b>M64</b>  
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M6404	1	4 mm	-		
M6406	1	6 mm	-		
M6408	1	8 mm	-		
M6410	1	10 mm	-		
M6412	1	12 mm	-		
M6416	1	16 mm	-		
<b>Metric Union Elbow</b> Supplied Complete With M60N Sleeves and M61 Nuts					<b>M65</b>  
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M6504	1	4 mm	-		
M6506	1	6 mm	-		
M6508	1	8 mm	-		
M6510	1	10 mm	-		
M6512	1	12 mm	-		
M6516	1	16 mm	-		
<b>Metric Female Connector</b> Supplied Complete With M60N Sleeves and M61 Nuts					<b>M66</b>  
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M660604	1	6 mm	1/4 BSPP		
M660804	1	8 mm	1/4 BSPP		
M661004	1	10 mm	1/4 BSPP		
M661006	1	10 mm	3/8 BSPP		
M661208	1	12 mm	1/2 BSPP		

# Metric Compression Fittings

**COMP**

<h2>M68</h2> 	<h3>Metric Male Connector</h3> <p>Supplied Complete With M60N Sleeves and M61 Nuts.</p>				
<h2>M69</h2> 	<h3>Metric Male Elbow</h3> <p>Supplied Complete With M60N Sleeves and M61 Nuts.</p>				
	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
	M680402	10	4 mm	1/8 BSPT	
	M680404	10	4 mm	1/4 BSPT	
	M680602	10	6 mm	1/8 BSPT	
	M680604	10	6 mm	1/4 BSPT	
	M680606	10	6 mm	3/8 BSPT	
	M680802	10	8 mm	1/8 BSPT	
	M680804	10	8 mm	1/4 BSPT	
	M680806	10	8 mm	3/8 BSPT	
	M680808	10	8 mm	1/2 BSPT	
	M681002	10	10 mm	1/8 BSPT	
	M681004	10	10 mm	1/4 BSPT	
	M681006	10	10 mm	3/8 BSPT	
	M681008	10	10 mm	1/2 BSPT	
	M681204	10	12 mm	1/4 BSPT	
	M681206	10	12 mm	3/8 BSPT	
	M681208	10	12 mm	1/2 BSPT	
	M681606	5	16 mm	3/9 BSPT	
	M681608	5	16 mm	1/2 BSPT	
	M690402	10	4 mm	1/8 BSPT	
	M690404	10	4 mm	1/4 BSPT	
	M690602	10	6 mm	1/8 BSPT	
	M690604	10	6 mm	1/4 BSPT	
	M690606	10	6 mm	3/8 BSPT	
	M690802	10	8 mm	1/8 BSPT	
	M690804	10	8 mm	1/4 BSPT	
	M690806	10	8 mm	3/8 BSPT	
	M691002	10	10 mm	1/8 BSPT	
	M691004	10	10 mm	1/4 BSPT	
	M691006	10	10 mm	3/8 BSPT	
	M691204	5	12 mm	1/4 BSPT	
	M691206	5	12 mm	3/8 BSPT	
	M691208	5	12 mm	1/2 BSPT	

# Order Form



**To:**

IMI TITON LTD  
 305 NELSON STREET  
 ONEHUNGA, AUCKLAND 6  
 Ph: (09) 634-2894  
 Fax: (09) 634-0030  
 Email: sales@titon.co.nz

**From:**

.....  
 .....  
 .....

**ORDER No:**

.....

**Date:**

.....

Sleeve(N)			Reducing Union			Female Connector			Male Elbow		
	ORDER	PACK		ORDER	PACK		ORDER	PACK		ORDER	PACK
60N02		100	62R0403		20	661208		1	690608		10
60N03		100	62R0504		20	661212		1	690804		10
60N04		100	62R0604		20	<b>Male Connector</b>			690806		10
60N05		100	62R0605		20	680202		20	690808		10
60N06		100	62R0804		1	680204		20	691006		5
60N08		50	62R0806		5	680302		20	691008		5
60N10		50	62R1006		1	680304		20	691208		5
60N12		50	<b>Union Tee</b>			680402		25	691212		1
<b>Sleeve(C)</b>			6402		20	680404		25	<b>Female Elbow</b>		
6002		100	6403		10	680406		20	700202		20
6003		100	6404		10	680408		10	700302		20
6004		100	6405		10	680412		10	700402		20
6005		100	6406		10	680502		25	700604		10
6006		100	6408		10	680504		25	700806		10
6008		50	6410		5	680506		20	<b>Male Tee</b>		
6010		50	6412		1	680508		10	710202		10
6012		50	<b>Union Elbow</b>			680508		10	710302		10
<b>Nut</b>			6502		20	680602		20	710402		10
6102		50	6503		20	680604		25	710404		10
6103		50	6504		20	680606		10	710502		10
6104		50	6505		20	680608		20	710404		10
6105		50	6506		10	680804		10	710502		10
6106		50	6508		10	680806		20	710504		10
6108		25	6510		1	680808		10	710604		10
6110		15	6512		1	680808		10	710806		5
6112		15	<b>Female Connector</b>			680812		10	<b>Union Male B Tee</b>		
<b>Insert</b>			660202		20	681006		10	720202		20
26103		50	660302		20	681008		10	720302		20
26104		50	660402		20	681012		10	720402		10
26105		50	660404		20	681204		1	720404		10
26106		20	660406		20	681208		5	720502		10
26108		20	660408		10	681212		5	720504		10
26110		20	660502		20	681616		2	720604		10
<b>Union</b>			660504		20	<b>Male Elbow</b>			720806		1
6202		25	660506		20	690202		20	720804		1
6203		25	660602		20	690302		20	720806		1
6204		25	660604		20	690402		20	<b>Male/Female Run Tee</b>		
6205		25	660606		20	690404		20	760202		10
6206		25	660608		20	690406		20	760302		10
6208		10	660806		10	690502		20	760402		10
6210		10	660808		10	690504		20	760502		10
6212		5				690602		20	760604		10
						690604		20			
						690606		10			

\* Manufactured to order only.