



# Line Fittings - Brass

## Acpar

### Flare Nuts - Short Barrel



| Cat. No. | Part No. | Size                    | SWP<br>kPa | Pack<br>Qty |
|----------|----------|-------------------------|------------|-------------|
| 2712628  | 201-0404 | 1/4"                    | 5200       | 5           |
| 2701569  | 501-0505 | 5/16"                   | 4200       | 1           |
| 2711954  | 201-0504 | 5/16" FF x<br>1/4" Tube | 5200       | 2           |
| 2711955  | 201-0606 | 3/8"                    |            | 5           |

| Cat. No. | Part No. | Size | SWP<br>kPa | Pack<br>Qty |
|----------|----------|------|------------|-------------|
| 2711956  | 201-0808 | 1/2" | 5200       | 2           |
| 2711957  | 201-1010 | 5/8" |            |             |
| 2711958  | 201-1212 | 3/4" |            |             |

\* Note for use with R410A Refrigerant

### Flare Nuts - Frost Proof



| Cat. No. | Part No. | Size  | SWP<br>kPa | Pack<br>Qty |
|----------|----------|-------|------------|-------------|
| 2711959  | 202-0404 | 1/4"  | 5200       | 5           |
| 2711951  | 502-0505 | 5/16" | 4200       | 1           |
| 2711961  | 202-0606 | 3/8"  | 5200       | 5           |

| Cat. No. | Part No. | Size | SWP<br>kPa | Pack<br>Qty |
|----------|----------|------|------------|-------------|
| 2711962  | 202-0808 | 1/2" | 5200       | 2           |
| 2711963  | 202-1010 | 5/8" |            |             |
| 2711964  | 202-1212 | 3/4" |            |             |

### Flare Nuts - Frost Proof Reducing

| Cat. No. | Part No. | Size                   | SWP<br>kPa | Pack<br>Qty |
|----------|----------|------------------------|------------|-------------|
| 2711960  | 202-0604 | 3/8" FF x<br>1/4" Tube | 5200       | 2           |
| 2701498  | 502-0806 | 1/2" FF x<br>3/8" Tube | 4200       | 5           |

| Cat. No. | Part No. | Size                   | SWP<br>kPa | Pack<br>Qty |
|----------|----------|------------------------|------------|-------------|
| 2711953  | 502-1006 | 5/8" FF x<br>3/8" Tube | 4200       | 2           |
| 2701500  | 502-1008 | 5/8" FF x<br>1/2" Tube |            |             |

### Flare Copper Bonnets



| Cat. No. | Part No.    | Size     | SWP<br>kPa | Pack<br>Qty |
|----------|-------------|----------|------------|-------------|
| 2711980  | RCB006-410A | 1/4" SAE | 4500       | 5           |
| 2711981  | RCB010-410A | 3/8" SAE |            |             |
| 2711982  | RCB013-410A | 1/2" SAE |            | 3           |

| Cat. No. | Part No.    | Size     | SWP<br>kPa | Pack<br>Qty |
|----------|-------------|----------|------------|-------------|
| 2711983  | RCB016-410A | 5/8" SAE | 4500       | 3           |
| 2701907  | 1105-12     | 3/4" SAE |            | 1           |

### Flare Copper Washers

Use on brass to brass flare connections to prevent leaks

| Cat. No. | Part No. | Size | Pack Qty |
|----------|----------|------|----------|
| 2711984  | 109-04   | 1/4" | 10       |
| 2711985  | 109-06   | 3/8" |          |
| 2711986  | 109-08   | 1/2" |          |

| Cat. No. | Part No. | Size | Pack Qty |
|----------|----------|------|----------|
| 2711987  | 109-10   | 5/8" | 5        |
| 2711988  | 109-12   | 3/4" |          |

### Flare Seal Cap Nuts



| Cat. No. | Part No. | Size | SWP<br>kPa | Pack<br>Qty |
|----------|----------|------|------------|-------------|
| 2711965  | 275-04   | 1/4" | 5200       | 1           |
| 2711966  | 275-06   | 3/8" |            |             |
| 2711967  | 275-08   | 1/2" |            |             |

| Cat. No. | Part No. | Size | SWP<br>kPa | Pack<br>Qty |
|----------|----------|------|------------|-------------|
| 2711968  | 275-10   | 5/8" | 5200       | 1           |
| 2711969  | 275-12   | 3/4" |            |             |

### Flare Seal Plugs



| Cat. No. | Part No. | Size | Pack Qty |
|----------|----------|------|----------|
| 2711970  | 270-04   | 1/4" | 1        |
| 2711971  | 270-06   | 3/8" |          |
| 2711972  | 270-08   | 1/2" |          |

| Cat. No. | Part No. | Size | Pack Qty |
|----------|----------|------|----------|
| 2711973  | 270-10   | 5/8" | 1        |
| 2711974  | 270-12   | 3/4" |          |



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### Pipe Plugs - Male BSP



| Cat. No. | Part No. | Size | Pack Qty |
|----------|----------|------|----------|
| 2711975  | 280-02   | 1/8" | 1        |
| 2711976  | 280-04   | 1/4" |          |
| 2711977  | 280-06   | 3/8" |          |

| Cat. No. | Part No. | Size | Pack Qty |
|----------|----------|------|----------|
| 2711978  | 280-08   | 1/2" | 1        |
| 2711979  | 280-12   | 3/4" |          |

### Unions - Male Flare to Male Flare



| Cat. No. | Part No. | Size    |         | SWP kPa | Pack Qty |
|----------|----------|---------|---------|---------|----------|
|          |          | M Flare | M Flare |         |          |
| 2711989  | 240-0404 | 1/4"    | 1/4"    | 5200    | 1        |
| 2711990  | 240-0505 | 5/16"   | 5/16"   |         |          |
| 2711991  | 240-0606 | 3/8"    | 3/8"    |         |          |

| Cat. No. | Part No. | Size    |         | SWP kPa | Pack Qty |
|----------|----------|---------|---------|---------|----------|
|          |          | M Flare | M Flare |         |          |
| 2711992  | 240-0808 | 1/2"    | 1/2"    | 4200    | 1        |
| 2711993  | 240-1010 | 5/8"    | 5/8"    |         |          |
| 2711994  | 240-1212 | 3/4"    | 3/4"    |         |          |

### Unions - Male Flare to Male Flare - Reducing

| Cat. No. | Part No. | Size    |         | SWP<br>kPa | Pack<br>Qty |
|----------|----------|---------|---------|------------|-------------|
|          |          | M Flare | M Flare |            |             |
| 2712016  | 240-0504 | 5/16"   | 1/4"    | 5200       | 1           |
| 2712017  | 240-0604 | 3/8"    |         |            |             |
| 2712018  | 240-0804 | 1/2"    |         |            |             |
| 2712019  | 240-0806 |         | 3/8"    |            |             |

| Cat. No. | Part No. | Size    |         | SWP kPa | Pack Qty |
|----------|----------|---------|---------|---------|----------|
|          |          | M Flare | M Flare |         |          |
| 2712020  | 200-1004 | 5/8"    | 1/4"    | 4200    | 1        |
| 2712021  | 200-1006 |         | 3/8"    |         |          |
| 2712022  | 240-1008 |         | 1/2"    | 5200    |          |
| 2712023  | 200-1210 | 3/4"    | 5/8"    | 4200    |          |

### Unions - Male Flare to Female Flare



| Cat. No. | Part No. | Size    |         | SWP<br>kPa | Pack<br>Qty |
|----------|----------|---------|---------|------------|-------------|
|          |          | M Flare | F Flare |            |             |
| 2711996  | 245-0404 | 1/4"    | 1/4"    | 5200       | 1           |
| 2711997  | 245-0406 |         | 3/8"    |            |             |
| 2711998  | 245-0408 |         | 1/2"    |            |             |
| 2711999  | 205-0410 |         | 5/8"    | 4200       |             |
| 2712000  | 245-0504 | 5/16"   | 1/4"    | 5200       |             |
| 2712001  | 245-0604 | 3/8"    |         |            |             |
| 2712002  | 245-0606 |         | 3/8"    |            |             |
| 2712003  | 245-0608 |         | 1/2"    |            |             |
| 2712004  | 205-0610 |         | 5/8"    | 4200       |             |

| Cat. No. | Part No. | Size    |         | SWP<br>kPa | Pac<br>Qty |
|----------|----------|---------|---------|------------|------------|
|          |          | M Flare | F Flare |            |            |
| 2712005  | 245-0804 | 1/2"    | 1/4"    | 5200       | 1          |
| 2712006  | 245-0806 |         | 3/8"    |            |            |
| 2712007  | 205-0808 |         | 1/2"    | 4200       |            |
| 2712008  | 245-0810 |         | 5/8"    | 5200       |            |
| 2712009  | 205-0812 |         | 3/4"    | 4200       |            |
| 2712010  | 245-1008 | 5/8"    | 1/2"    | 5200       |            |
| 2712011  | 245-1012 |         | 3/4"    |            |            |
| 2712012  | 245-1210 | 3/4"    | 5/8"    |            |            |

### Unions - Female Flare to Female Flare



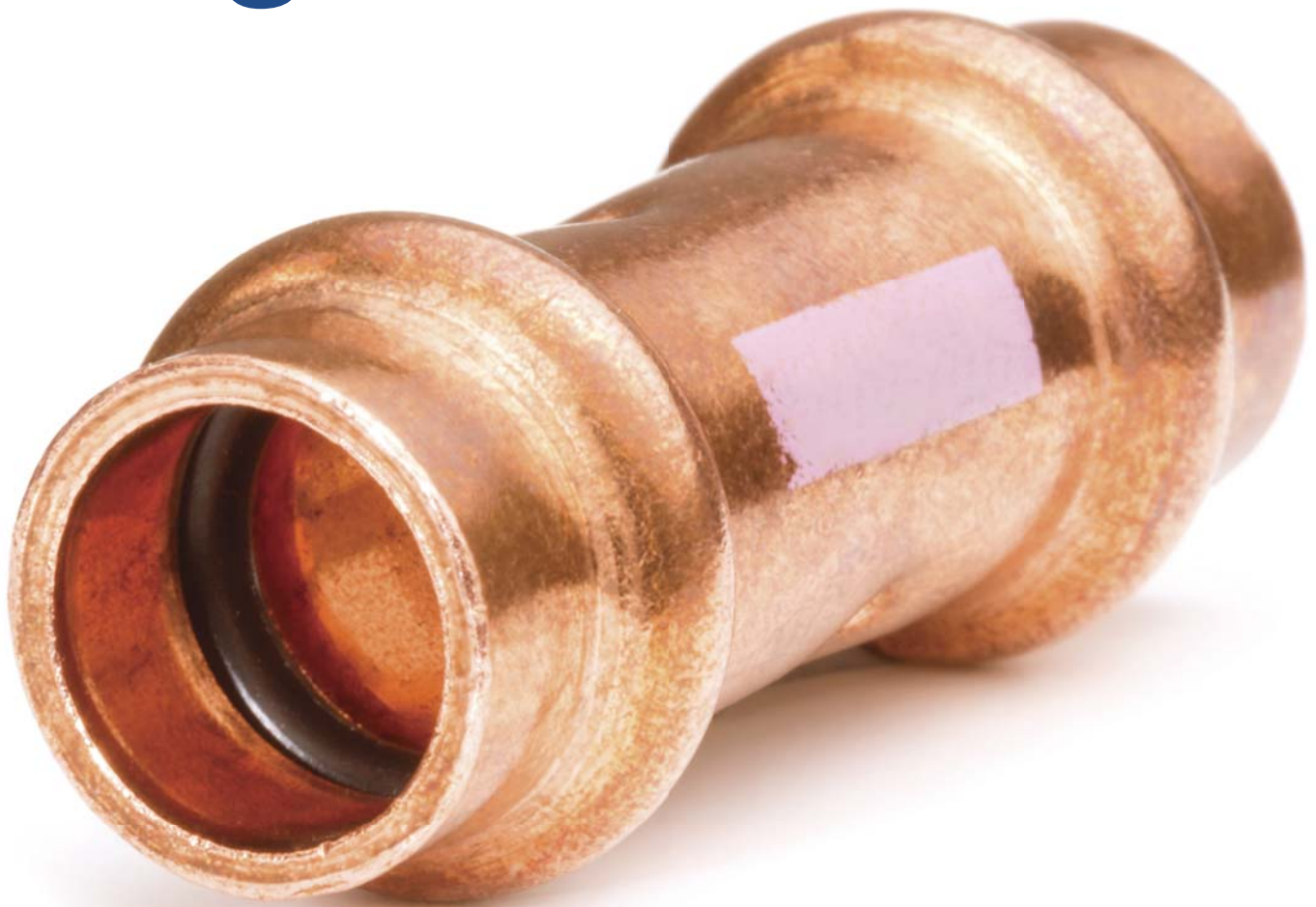
| Cat. No. | Part No. | Size    |         | Pack Qty |
|----------|----------|---------|---------|----------|
|          |          | F Flare | F Flare |          |
| 2712013  | 226-0404 | 1/4"    | 1/4"    | 1        |
| 2712014  | 226-0606 | 3/8"    | 3/8"    |          |
| 2712015  | 226-0808 | 1/2"    | 1/2"    |          |

Conex | Bänninger

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REFRIGERATION

# Introducing the coolest press fitting ever.



Secure, permanent leak-proof joint | Temperature range -40°C to 121°C | Maximum operating pressure 4800 kPa



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### Unions – Male Flare to Male BSP



| Cat. No. | Part No.  | Size    |                    | Pack Qty |
|----------|-----------|---------|--------------------|----------|
|          |           | M Flare | M BSP              |          |
| 2712034  | 221-0402  | 1/4"    | 1/8"               | 1        |
| 2712035  | 221-0402L |         | 1/8"<br>Long Taper |          |
| 2712036  | 221-0404  |         | 1/4"               |          |
| 2712037  | 221-0406  |         | 3/8"               |          |
| 2712038  | 221-0408  |         | 1/2"               |          |
| 2712039  | 221-0602  | 3/8"    | 1/8"               |          |
| 2712040  | 221-0604  |         | 1/4"               |          |
| 2712041  | 221-0606  |         | 3/8"               |          |
| 2712042  | 221-0608  |         | 1/2"               |          |
| 2712043  | 221-0612  |         | 3/4"               |          |

| Cat. No. | Part No. | Size    |       | Pack Qty |
|----------|----------|---------|-------|----------|
|          |          | M Flare | M BSP |          |
| 2712044  | 221-0804 | 1/2"    | 1/4"  | 1        |
| 2712045  | 221-0806 |         | 3/8"  |          |
| 2712046  | 221-0808 |         | 1/2"  |          |
| 2712047  | 221-0812 |         | 3/4"  |          |
| 2712048  | 221-1008 |         | 1/2"  |          |
| 2712049  | 221-1012 | 5/8"    | 3/4"  |          |
| 2712050  | 221-1208 | 3/4"    | 1/2"  |          |
| 2712051  | 221-1212 |         | 3/4"  |          |

### Unions – Male Flare to Female NPT



| Cat. No. | Part No. | Size    |       | Pack Qty |
|----------|----------|---------|-------|----------|
|          |          | M Flare | F NPT |          |
| 2712025  | 247-0402 | 1/4"    | 1/8"  | 1        |

### Unions – Male Flare to Female BSP



| Cat. No. | Part No. | Size    |       | Pack Qty |
|----------|----------|---------|-------|----------|
|          |          | M Flare | F BSP |          |
| 2712024  | 246-0402 | 1/4"    | 1/8"  | 1        |
| 2712026  | 246-0404 |         | 1/4"  |          |
| 2712027  | 246-0406 |         | 3/8"  |          |
| 2712028  | 206-0408 |         | 1/2"  |          |

| Cat. No. | Part No. | Size    |       | Pack Qty |
|----------|----------|---------|-------|----------|
|          |          | M Flare | F BSP |          |
| 2712029  | 246-0604 | 3/8"    | 1/4"  | 1        |
| 2712030  | 246-0606 |         | 3/8"  |          |
| 2712031  | 246-0608 |         | 1/2"  |          |
| 2712032  | 246-0806 | 1/2"    | 3/8"  |          |
| 2712033  | 246-0808 |         | 1/2"  |          |

### Unions – Male BSP to Male BSP

| Cat. No. | Part No. | Size  |       | Pack Qty |
|----------|----------|-------|-------|----------|
|          |          | M BSP | M BSP |          |
| 2712052  | 251-0202 | 1/8"  | 1/8"  | 1        |
| 2712053  | 251-0404 | 1/4"  | 1/4"  |          |
| 2712054  | 251-0606 | 3/8"  | 3/8"  |          |
| 2712055  | 251-0808 | 1/2"  | 1/2"  |          |
| 2712056  | 251-1212 | 3/4"  | 3/4"  |          |

### Reducing



| Cat. No. | Part No. | Size  |       | Pack Qty |
|----------|----------|-------|-------|----------|
|          |          | M BSP | M BSP |          |
| 2712057  | 251-0402 | 1/4"  | 1/8"  | 1        |
| 2712058  | 251-0604 | 3/8"  | 1/4"  |          |
| 2712059  | 251-0806 | 1/2"  | 3/8"  |          |



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### Unions - Male BSP to Female Flare



| Cat. No. | Part No. | Size  |         | Pack Qty |
|----------|----------|-------|---------|----------|
|          |          | M BSP | F Flare |          |
| 2712074  | 214-0204 | 1/8"  | 1/4"    | 1        |
| 2712078  | 214-0404 | 1/4"  |         |          |

### Unions - Female BSP to Female BSP (Gas Couplings)



| Cat. No. | Part No. | Size  |       | Pack Qty |
|----------|----------|-------|-------|----------|
|          |          | F BSP | F BSP |          |
| 2712081  | 228-0202 | 1/8"  | 1/8"  | 1        |
| 2712082  | 228-0404 | 1/4"  | 1/4"  |          |
| 2712083  | 228-0606 | 3/8"  | 3/8"  |          |
| 2712084  | 228-0808 | 1/2"  | 1/2"  |          |
| 2712085  | 228-1212 | 3/4"  | 3/4"  |          |

### Unions - Male BSP to Female BSP (Gas Bushes)



| Cat. No. | Part No. | Size  |       | Pack Qty |
|----------|----------|-------|-------|----------|
|          |          | M BSP | F BSP |          |
| 2712060  | 216-0402 | 1/4"  | 1/8"  | 1        |
| 2712061  | 216-0406 |       | 3/8"  |          |
| 2712062  | 216-0604 | 3/8"  | 1/4"  |          |
| 2712063  | 216-0804 | 1/2"  |       |          |
| 2712064  | 216-0806 |       | 3/8"  |          |
| 2712065  | 216-1208 | 3/4"  | 1/2"  |          |
| 2712066  | 216-1612 | 1"    | 3/4"  |          |

### Unions - Male Flare to Solder



| Cat. No. | Part No. | Size    |        | Pack Qty |
|----------|----------|---------|--------|----------|
|          |          | M Flare | Solder |          |
| 2712067  | 218-0404 | 1/4"    | 1/4"   | 1        |
| 2712068  | 218-0406 |         | 3/8"   |          |
| 2712069  | 218-0606 | 3/8"    | 1/2"   |          |
| 2712070  | 218-0608 |         | 3/8"   |          |
| 2712071  | 218-0806 | 1/2"    | 1/2"   |          |
| 2712072  | 218-0808 |         | 5/8"   |          |
| 2712073  | 208-0810 |         | 1/2"   |          |
| 2712075  | 218-1008 | 5/8"    | 5/8"   |          |
| 2712076  | 218-1010 |         | 3/4"   |          |
| 2712077  | 218-1212 | 3/4"    | 3/4"   |          |

### Unions - Male ACME

| Cat. No. | Part No. | Size                       | Pack Qty |
|----------|----------|----------------------------|----------|
| 2701385  | 275-0408 | 1/2" F ACME x 1/4" M Flare | 1        |
| 2701384  | 272-0804 | 1/2" M ACME x 1/4" F Flare |          |

### Unions - Male BSP to Solder

| Cat. No. | Part No. | Size  |        | Pack Qty |
|----------|----------|-------|--------|----------|
|          |          | M BSP | Solder |          |
| 2712079  | 219-0808 | 1/2"  | 1/2"   | 1        |
| 2712080  | 219-1212 | 3/4"  | 3/4"   |          |

### Unions - Female BSP to Solder

| Cat. No. | Part No. | Size  |        | PackQty |
|----------|----------|-------|--------|---------|
|          |          | M BSP | Solder |         |
| 2712086  | 233-0808 | 1/2"  | 1/2"   | 1       |
| 2712087  | 233-0606 | 3/8"  | 3/8"   |         |



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### Elbows - Male Flare to Male Flare



| Cat. No. | Part No. | Size    |         | SWP kPa | Pack Qty |
|----------|----------|---------|---------|---------|----------|
|          |          | M Flare | M Flare |         |          |
| 2712088  | 261-0404 | 1/4"    | 1/4"    | 5200    | 1        |
| 2712089  | 261-0606 | 3/8"    | 3/8"    | 5200    |          |
| 2712090  | 261-0808 | 1/2"    | 1/2"    | 5200    |          |
| 2712091  | 261-1010 | 5/8"    | 5/8"    | 5200    |          |

### Elbows - Male Flare to Female Flare



| Cat. No. | Part No. | Size    |         | SWP kPa | Pack Qty |
|----------|----------|---------|---------|---------|----------|
|          |          | M Flare | F Flare |         |          |
| 2712092  | 260-0404 | 1/4"    | 1/4"    | 5200    | 1        |

### Elbows - Male Flare to Male BSP



| Cat. No. | Part No. | Size    |       | Pack Qty |
|----------|----------|---------|-------|----------|
|          |          | M Flare | M BSP |          |
| 2712093  | 222-0402 | 1/4"    | 1/8"  | 1        |
| 2712094  | 222-0404 |         | 1/4"  |          |
| 2712095  | 222-0406 |         | 3/8"  |          |
| 2712096  | 222-0604 | 3/8"    | 1/4"  |          |
| 2712097  | 222-0606 |         | 3/8"  |          |
| 2712098  | 222-0608 |         | 1/2"  |          |

| Cat. No. | Part No. | Size    |       | Pack Qty |
|----------|----------|---------|-------|----------|
|          |          | M Flare | M BSP |          |
| 2712099  | 222-0808 | 1/2"    | 1/2"  | 1        |
| 2712100  | 222-1008 | 5/8"    |       |          |
| 2712101  | 222-1212 | 3/4"    |       |          |
|          |          |         |       |          |

### Tees - 3 Way Male Flare



| Cat. No. | Part No.   | Size         |                | SWP kPa | Pack Qty |
|----------|------------|--------------|----------------|---------|----------|
|          |            | M Flare Line | M Flare Branch |         |          |
| 2712102  | 230-040404 | 1/4" x 1/4"  | 1/4"           | 5200    | 1        |
| 2712103  | 230-060606 | 3/8" x 3/8"  | 3/8"           |         |          |
| 2712104  | 230-080808 | 1/2" x 1/2"  | 1/2"           |         |          |
| 2712105  | 230-101010 | 5/8" x 5/8"  | 5/8"           |         |          |
| 2712106  | 230-121212 | 3/4" x 3/4"  | 3/4"           |         |          |

### Tees - Male Flare Line to Female Flare Branch



| Cat. No. | Part No.   | Size         |                | SWP kPa | Pack Qty |
|----------|------------|--------------|----------------|---------|----------|
|          |            | M Flare Line | F Flare Branch |         |          |
| 2712107  | 232-040404 | 1/4" x 1/4"  | 1/4"           | 5200    | 1        |

### Tees - Male Flare Line to Male BSP Branch



| Cat. No. | Part No.   | Size         |              | Pack Qty |
|----------|------------|--------------|--------------|----------|
|          |            | M Flare Line | M BSP Branch |          |
| 2712108  | 233-040402 | 1/4" x 1/4"  | 1/8"         | 1        |
| 2712109  | 233-040404 |              | 1/4"         |          |

### Tees - Male Flare Line to Female BSP Branch



| Cat. No. | Part No.   | Size         |              | Pack Qty |
|----------|------------|--------------|--------------|----------|
|          |            | M Flare Line | F BSP Branch |          |
| 2712110  | 409-040402 | 1/4" x 1/4"  | 1/8"         | 1        |
| 2712111  | 409-040404 |              | 1/4"         |          |

## Hand Valves



### Castel

#### 6210 Series - 2 Way Line - Male Flare



| Cat. No. | Model No. | Description               | Connection | Max. Working Press. kPa |
|----------|-----------|---------------------------|------------|-------------------------|
| 2712113  | 6210/2    | Flare Hand Shut Off Valve | 1/4"       | 2800                    |
| 2712114  | 6210/3    |                           | 3/8"       |                         |
| 2712115  | 6210/4    |                           | 1/2"       |                         |
| 2712116  | 6210/5    |                           | 5/8"       |                         |
| 2712117  | 6210/6    |                           | 3/4"       |                         |



### Heldon

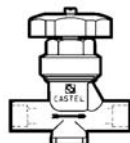
#### 2100 Series - 2 Way Line - Male Flare

| Cat. No. | Model No. | Description               | Connection | Max. Working Press. kPa |
|----------|-----------|---------------------------|------------|-------------------------|
| 2701320  | 2100-0404 | Flare Hand Shut Off Valve | 1/4"       | 2800                    |
| 2701321  | 2100-0606 |                           | 3/8"       |                         |
| 2701322  | 2100-0808 |                           | 1/2"       |                         |
| 2701323  | 2100-1010 |                           | 5/8"       |                         |
|          | 2100-1212 |                           | 3/4"       |                         |



### Castel

#### 6220 Series - 2 Way Line - Female Solder



| Cat. No. | Model No. | Description                | Connection | Max. Working Press. kPa |
|----------|-----------|----------------------------|------------|-------------------------|
| 2712118  | 6220/2    | Solder Hand Shut Off Valve | 1/4"       | 2800                    |
| 2712119  | 6220/3    |                            | 3/8"       |                         |
| 2712120  | 6220/4    |                            | 1/2"       |                         |
| 2712121  | 6220/5    |                            | 5/8"       |                         |
| 2712122  | 6220/6    |                            | 3/4"       |                         |

## Packed Cap Valves



### Castel

#### 6410 Series - 2 Way Line - Male Flare



| Cat. No. | Model No. | Size: Flare | Max. Working Press. kPa |
|----------|-----------|-------------|-------------------------|
| 2712128  | 6410/2    | 1/4"        | 4500                    |
| 2712134  | 6410/3    | 3/8"        |                         |
| 2712135  | 6410/4    | 1/2"        |                         |
| 2712136  | 6410/5    | 5/8"        |                         |
| 2712137  | 6410/6    | 3/4"        |                         |

#### 6420 Series - 2 Way Line - Female Solder

| Cat. No. | Model No. | Size: ODF Solder | Max. Working Press. kPa |
|----------|-----------|------------------|-------------------------|
| 2712138  | 6420/2    | 1/4"             | 4500                    |
| 2712139  | 6420/3    | 3/8"             |                         |
| 2712140  | 6420/4    | 1/2"             |                         |
| 2712141  | 6420/5    | 5/8"             |                         |
| 2712142  | 6420/6    | 3/4"             |                         |
| 2712143  | 6420/7    | 7/8"             |                         |



# Packed Cap Valves

## Castel

### 6512 Series - 2 Way Line - Backseating

Female Solder with 'T' Handle



| Cat. No. | Model No. | Size: ODF Solder | Max.Working Press. kPa |
|----------|-----------|------------------|------------------------|
| 2712167  | 6512/7    | 7/8"             | 4500                   |
| 2712168  | 6512/9    | 1 1/8"           |                        |
| 2712169  | 6512/11   | 1 3/8"           |                        |
| 2712170  | 6512/13   | 1 5/8"           |                        |
| 2712171  | 6512/17   | 2 1/8"           |                        |

### 6532 Series - 2 Way Angle - Backseating

Female Solder with 'T' Handle

| Cat. No. | Model No. | Size: ODF Solder | Max.Working Press. kPa |
|----------|-----------|------------------|------------------------|
| 2712172  | 6532/9    | 1 1/8"           | 4500                   |
| 2712173  | 6532/11   | 1 3/8"           |                        |
| 2712174  | 6532/13   | 1 5/8"           |                        |

### 6110 Series - 2 Way Angle

Male Flare Side to Male Pipe Thread Bottom



| Cat. No. | Part No. | Size  |      | Max. Working Press. kPa |
|----------|----------|-------|------|-------------------------|
|          |          | Flare | NPT* |                         |
| 2712175  | 6110/22  | 1/4"  | 1/4" | 4500                    |
| 2712176  | 6110/23  |       | 3/8" |                         |
| 2712182  | 6110/32  | 3/8"  | 1/4" |                         |
| 2712177  | 6110/33  |       | 3/8" |                         |
| 2712178  | 6110/43  | 1/2"  | 1/2" |                         |
| 2712179  | 6110/44  |       |      |                         |
| 2712180  | 6110/54  | 5/8"  |      |                         |
| 2712181  | 6110/66  | 3/4"  | 3/4" |                         |



## Heldon

### 2201 Series - 2 Way Angle

Male Flare Side to Male Pipe Thread Bottom

| Cat. No. | Part No.  | Size  |      | Max. Working Press. kPa |
|----------|-----------|-------|------|-------------------------|
|          |           | Flare | NPT* |                         |
| 2701345  | 2201-0404 | 1/4"  | 1/4" | 4500                    |
| 2701346  | 2201-0406 |       | 3/8" |                         |
| 2712154  | 2201-0408 |       | 1/2" |                         |
| 2701347  | 2201-0604 | 3/8"  | 1/4" |                         |
| 2701348  | 2201-0606 |       | 3/8" |                         |
| 2705184  | 2201-0608 |       | 1/2" |                         |
| 2712155  | 2201-0806 | 1/2"  | 3/8" |                         |
| 2705185  | 2201-0808 |       | 1/2" |                         |



# Ball Valves

## Alco

### BVS Series - Ball Valves with Access Port

#### Features

- Hermetic design
- Copper connections
- Maximum working pressure: 4500 kPa
- Full flow design
- Bi-directional flow characteristics
- Access valve mounted on valve body (BVS)
- Valve stem cap retained by strap attached to main body



| Cat. No. | Model No. | Part No. | Connection | Overall Length: mm |
|----------|-----------|----------|------------|--------------------|
| 2712203  | BVS-014   | 806750   | 1/4"       | 120                |
| 2712204  | BVS-038   | 806752   | 3/8"       | 118                |
| 2712205  | BVS-012   | 806754   | 1/2"       | 127                |
| 2712206  | BVS-058   | 806756   | 5/8"       |                    |
| 2712207  | BVS-034   | 806757   | 3/4"       | 157                |
| 2712208  | BVS-078   | 806758   | 7/8"       |                    |
| 2712209  | BVS-118   | 806759   | 1 1/8"     | 169                |
| 2712210  | BVS-138   | 806761   | 1 3/8"     | 231                |
| 2712211  | BVS-158   | 806762   | 1 5/8"     | 277                |
| 2712212  | BVS-218   | 806764   | 2 1/8"     | 297                |
| 2712213  | BVS-258   | 806765   | 2 5/8"     |                    |
| 2712214  | BVS-318   | 806766   | 3 1/8"     |                    |

### BVE Series - Ball Valves without Access Port

| Cat. No. | Model No. | Part No. | Connection | Overall Length: mm |
|----------|-----------|----------|------------|--------------------|
| 2712215  | BVE-014   | 806730   | 1/4"       | 120                |
| 2712216  | BVE-038   | 806732   | 3/8"       | 118                |
| 2712217  | BVE-012   | 806734   | 1/2"       | 127                |
| 2712218  | BVE-058   | 806736   | 5/8"       |                    |
| 2712219  | BVE-034   | 806737   | 3/4"       | 157                |
| 2712220  | BVE-078   | 806738   | 7/8"       |                    |
| 2712221  | BVE-118   | 806739   | 1 1/8"     | 169                |
| 2712222  | BVE-138   | 806741   | 1 3/8"     | 231                |
| 2712223  | BVE-158   | 806742   | 1 5/8"     | 277                |
| 2712224  | BVE-218   | 806744   | 2 1/8"     | 297                |
| 2712225  | BVE-258   | 806745   | 2 5/8"     |                    |
| 2712226  | BVE-318   | 806746   | 3 1/8"     |                    |

## Castel

### 6590A Series - Ball Valves with Access Port



| Cat. No. | Model No. | Connection ODF | Port Size: mm | Overall Length: mm |
|----------|-----------|----------------|---------------|--------------------|
|          |           | 1/4"           | 10            | 121                |
| 2712157  | 6570/3A   | 3/8"           | 10            |                    |
| 2712158  | 6590/4A   | 1/2"           | 10            |                    |
| 2712159  | 6590/5A   | 5/8"           | 15            | 138                |
| 2712160  | 6570/6A   | 3/4"           | 15            | 141                |
| 2712161  | 6590/7A   | 7/8"           | 19            | 175                |
| 2712162  | 6590/9A   | 1 1/8"         | 25            | 206                |
| 2712163  | 6590/11A  | 1 3/8"         | 32            | 262                |
| 2712164  | 6590/13A  | 1 5/8"         | 38            |                    |
| 2712165  | 6590/17A  | 2 1/8"         | 50            | 303                |
| 2712166  | 6591/21A  | 2 5/8"         | 50            |                    |

# Ball Valves

## Danfoss



### GBC Access Series - Ball Valves with Access Port

| Cat. No. | Part No. | Model No. | Connection ODF |
|----------|----------|-----------|----------------|
| 2706414  | 009G7050 | GBC6S     | 1/4"           |
| 2706415  | 009G7051 | GBC10S    | 3/8"           |
| 2706416  | 009G7052 | GBC12S    | 1/2"           |
| 2706417  | 009G7053 | GBC16S    | 5/8"           |
| 2706418  | 009G7054 | GBC18S    | 3/4"           |
| 2706419  | 009G7055 | GBC22S    | 7/8"           |
| 2706420  | 009G7056 | GBC28S    | 1 1/8"         |
| 2706421  | 009G7057 | GBC35S    | 1 3/8"         |
| 2706422  | 009G7058 | GBC42S    | 1 5/8"         |
| 2706423  | 009G7059 | GBC54S    | 2 1/8"         |
| 2706424  | 009G7066 | GBC67S RP | 2 5/8"         |

### GBC Series - Ball Valves without Access Port

| Cat. No. | Part No. | Model No. | Connection ODF |
|----------|----------|-----------|----------------|
| 2706413  | 009G7020 | GBC6S     | 1/4"           |
| 2706403  | 009G7021 | GBC10S    | 3/8"           |
| 2706404  | 009G7022 | GBC12S    | 1/2"           |
| 2706405  | 009G7023 | GBC16S    | 5/8"           |
| 2706406  | 009G7024 | GBC18S    | 3/4"           |
| 2706407  | 009G7025 | GBC22S    | 7/8"           |
| 2706408  | 009G7026 | GBC28S    | 1 1/8"         |
| 2706409  | 009G7027 | GBC35S    | 1 3/8"         |
| 2706410  | 009G7028 | GBC42S    | 1 5/8"         |
| 2706411  | 009G7029 | GBC54S    | 2 1/8"         |
| 2706412  | 009G7036 | GBC67S RP | 2 5/8"         |

# Valves and Fittings



## Acpar

### Cylinder Adaptors – with Washer

| Cat. No. | Part No. | Size             |                 | Pack Qty |
|----------|----------|------------------|-----------------|----------|
| 2712233  | 203-0412 | 1/4" Male Flare  | 3/4" Female BSP | 1        |
| 2712234  | 203-0612 | 3/8" Male Flare  |                 |          |
| 2712235  | 20-0812  | 1/2" Male Flare  |                 |          |
| 2712236  | 203-0512 | 5/16" Male Flare |                 |          |
| 2701329  | 21-0812  | 1/2" ACME        |                 |          |

### Cylinder Valve Seal Cap

| Cat. No. | Part No. | Size                                 | PackQty |
|----------|----------|--------------------------------------|---------|
| 2712231  | 203-0012 | 3/4" Female BSP Brass Cylinder Cap   | 1       |
| 2712240  | 5612354  | 3/4" Female BSP Plastic Cylinder Cap |         |

### Washers

| Cat. No. | Part No. | Size                                 | Pack Qty |
|----------|----------|--------------------------------------|----------|
| 2712237  | 20-WASH  | Fibre Washer To Suit 3/4" Female BSP | 2        |

### Swivel Connectors



| Cat. No. | Part No. | Size              | SWP kPa | Pack Qty |
|----------|----------|-------------------|---------|----------|
| 2712299  | 295-04   | 1/4" Female Flare | 4500    | 1        |
| 2712300  | 295-06   | 3/8" Female Flare |         |          |
| 2712301  | 295-08   | 1/2" Female Flare |         |          |
| 2712302  | 295-10   | 5/8" Female Flare |         |          |
| 2701550  | 95-12    | 3/4" Female flare |         |          |

### Swivel Tail Adaptors

| Cat. No. | Part No. | Size         |        | Pack Qty |
|----------|----------|--------------|--------|----------|
|          |          | Female Flare | Solder |          |
| 2712305  | 210-0404 | 1/4"         | 1/4"   | 1        |
| 2712306  | 210-0606 | 3/8"         | 3/8"   |          |
| 2712307  | 210-0808 | 1/2"         | 1/2"   |          |
| 2712308  | 210-1010 | 5/8"         | 5/8"   |          |
| 2712309  | 210-1212 | 3/4"         | 3/4"   |          |



## Supco

### Bullet Line Piercing Valve

| Cat. No. | Part No. | Size: OD Tube     |
|----------|----------|-------------------|
| 2712303  | BPV-31   | 1/4", 5/16", 3/8" |
| 2712304  | BPV-21   | 1/2", 5/8"        |

# Valves and Fittings



**Acpar**

Rotalock Valves - including seal ring



| Cat. No. | Part No.   | Connections   |                   | Pack Qty |  |
|----------|------------|---------------|-------------------|----------|--|
|          |            | Rotalock Ring | Tube Size: Solder |          |  |
| 2712249  | 401-061220 | 3/4"          | 3/8"              | 1        |  |
| 2712250  | 401-081220 |               | 1/2"              |          |  |
| 2712251  | 401-061620 | 1"            | 3/8"              |          |  |
| 2712252  | 401-081620 |               | 1/2"              |          |  |
| 2712253  | 401-101620 |               | 5/8"              |          |  |
| 2712254  | 401-102030 | 1 1/4"        | 3/4"              |          |  |
| 2712255  | 401-122030 |               |                   |          |  |

| Cat. No. | Part No.   | Connections   |                   | Pack Qty |
|----------|------------|---------------|-------------------|----------|
|          |            | Rotalock Ring | Tube Size: Solder |          |
| 2712256  | 401-142030 | 1 1/4"        | 7/8"              | 1        |
| 2712257  | 401-182030 |               |                   |          |
| 2712258  | 401-142830 | 1 3/4"        | 1 1/8"            |          |
| 2712259  | 401-182835 |               |                   |          |
| 2712260  | 401-222835 |               | 1 3/8"            |          |
| 2712261  | 401-262835 |               |                   |          |
| 2712262  | 401-263650 | 2 1/4"        | 1 5/8"            |          |

\* The Rotalock Ring size is determined by the thread size within the Rotalock nut.

## Teflon Seal Rings

For Rotalock Valves



| Cat. No. | Part No.       | Description             | Suits            | Pack Qty |
|----------|----------------|-------------------------|------------------|----------|
| 2712263  | 400-12         | Rotalock Seal           | 3/4" RL          | 1        |
| 2712264  | 400-16         | Rotalock Seal           | 1" RL            |          |
| 2712265  | 400-20         | Rotalock Seal           | 1 1/4" RL        |          |
| 2712266  | 400-28         | Rotalock Seal           | 1 3/4" RL        |          |
| 2712267  | 400-36         | Rotalock Seal           | 2 1/4" RL        |          |
| 2712268  | 400-Multi Pack | Assorted Rotalock Seals | 3/4" - 2 1/4" RL | 5        |

## Rotalock Valve Caps



| Cat. No. | Part No.   | Description         | Suits                                   | Pack Qty |
|----------|------------|---------------------|-----------------------------------------|----------|
| 2712269  | 411-203035 | Rotalock Valve Caps | 20mm, 30mm & 35mm Rotalock Valve Bodies | 3        |

# Valves and Fittings



Acpar

## Rotalock Straight Connector



| Cat. No. | Part No. | Connections   |                   | Pack Qty |
|----------|----------|---------------|-------------------|----------|
|          |          | Rotalock Ring | Tube Size: Solder |          |
| 2712270  | 402-0612 | 3/4"          | 3/8"              | 1        |
| 2712271  | 402-0416 | 1"            | 1/4"              |          |
| 2712272  | 402-0816 |               | 1/2"              |          |
| 2712273  | 402-1016 |               | 5/8"              |          |
| 2712274  | 402-1420 | 1 1/4"        | 7/8"              |          |
| 2712275  | 402-1820 |               | 1 1/8"            |          |
| 2712276  | 402-1828 | 1 3/4"        |                   |          |

## Rotalock Elbow Connector



| Cat. No. | Part No. | Connections   |                   | Pack Qty |
|----------|----------|---------------|-------------------|----------|
|          |          | Rotalock Ring | Tube Size: Solder |          |
| 2712277  | 403-0612 | 3/4"          | 3/8"              | 1        |
| 2712278  | 403-0816 | 1"            | 1/2"              |          |
| 2712279  | 403-1016 |               | 5/8"              |          |
| 2712280  | 403-1216 |               | 3/4"              |          |
| 2712281  | 403-1416 |               | 7/8"              |          |
| 2712282  | 403-1420 | 1 1/4"        | 1 1/8"            |          |
| 2712283  | 403-1820 |               |                   |          |
| 2712284  | 403-1828 | 1 3/4"        |                   |          |

**ARDENT**<sup>TM</sup>  
COPPER

# Line Fittings - Copper

## Ardent

### Couplings/Unions - Female to Female - Solder



| Cat. No. | Part No.    | ID   | SWP*:<br>kPa | Pack<br>Qty |
|----------|-------------|------|--------------|-------------|
| 2712330  | RCC006-410A | 1/4" | 4500         | 5           |
| 2712331  | RCC010-410A | 3/8" |              |             |
| 2712332  | RCC013-410A | 1/2" |              |             |
| 2712333  | RCC016-410A | 5/8" |              |             |
| 2712334  | RCC019-410A | 3/4" |              |             |
| 2712335  | RCC022-410A | 7/8" |              | 2           |

| Cat. No. | Part No.    | ID     | SWP*:<br>kPa | Pack<br>Qty |
|----------|-------------|--------|--------------|-------------|
| 2712336  | RCC025-410A | 1"     | 4300         | 2           |
| 2712337  | RCC029-410A | 1 1/8" |              |             |
| 2712338  | RCC035-410A | 1 3/8" |              | 1           |
| 2712339  | RCC041-410A | 1 5/8" |              |             |
| 2712340  | RCC054-410A | 2 1/8" | 4000         |             |
| 2712341  | RCC067-410A | 2 5/8" | 3800         |             |
| 2712342  | RCC076      | 3"     | 3500         |             |

### Reducing Couplings/Unions - Female to Female - Solder



| Cat. No. | Part No.      | ID x ID:      | SWP*:<br>kPa | Pack<br>Qty |
|----------|---------------|---------------|--------------|-------------|
| 2712343  | RRR01310-410A | 1/2" x 3/8"   | 4800         | 2           |
| 2712344  | RRR01610-410A | 5/8" x 3/8"   |              |             |
| 2712345  | RRR01613-410A | 5/8" x 1/2"   |              |             |
| 2712346  | RRR01910-410A | 3/4" x 3/8"   |              |             |
| 2712347  | RRR01913-410A | 3/4" x 1/2"   |              |             |
| 2712348  | RRR01916-410A | 3/4" x 5/8"   |              |             |
| 2712349  | RRR02213-410A | 7/8" x 1/2"   |              |             |
| 2712350  | RRR02216-410A | 7/8" x 5/8"   |              |             |
| 2712351  | RRR02219-410A | 7/8" x 3/4"   |              |             |
| 2712352  | RRR02916-410A | 1 1/8" x 5/8" |              |             |
| 2712353  | RRR02919-410A | 1 1/8" x 3/4" | 4600         | 1           |
| 2712354  | RRR02922-410A | 1 1/8" x 7/8" |              |             |

| Cat. No. | Part No.      | ID x ID                                                           | SWP*:<br>kPa | Pack<br>Qty |
|----------|---------------|-------------------------------------------------------------------|--------------|-------------|
| 2712355  | RRR03516-410A | 1 <sup>3</sup> / <sub>8</sub> " x 5 <sup>8</sup> / <sub>8</sub> " | 4600         | 1           |
| 2712356  | RRR03522-410A | 1 <sup>3</sup> / <sub>8</sub> " x 7 <sup>8</sup> / <sub>8</sub> " |              |             |
| 2712357  | RRR03529-410A | 1 <sup>3</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " |              |             |
| 2712358  | RRR04129-410A | 1 <sup>5</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " | 4500         |             |
| 2712359  | RRR04135-410A | 1 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " |              |             |
| 2712360  | RRR05429-410A | 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " |              |             |
| 2712361  | RRR05435-410A | 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " | 4000         |             |
| 2712362  | RRR05441-410A | 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>5</sup> / <sub>8</sub> " |              |             |
| 2712363  | RRR06735-410A | 2 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " |              |             |
| 2712364  | RRR06741-410A | 2 <sup>5</sup> / <sub>8</sub> " x 1 <sup>5</sup> / <sub>8</sub> " | 3800         |             |
| 2712365  | RRR06754-410A | 2 <sup>5</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>8</sub> " |              |             |

### Reducing Couplings/Unions - Outside Diameter to Inside Diameter - Solder



| Cat. No. | Part No.      | OD x ID       | SWP*:<br>kPa | Pack<br>Qty |
|----------|---------------|---------------|--------------|-------------|
| 2712366  | RNN01310-410A | 1/2" x 3/8"   | 4700         | 2           |
| 2712367  | RNN01610-410A | 5/8" x 3/8"   |              |             |
| 2712368  | RNN01613-410A | 5/8" x 1/2"   |              |             |
| 2712369  | RNN01913-410A | 3/4" x 1/2"   |              |             |
| 2712370  | RNN01916-410A | 3/4" x 5/8"   |              |             |
| 2712371  | RNN02213-410A | 7/8" x 1/2"   |              |             |
| 2712372  | RNN02216-410A | 7/8" x 5/8"   |              |             |
| 2712373  | RNN02219-410A | 7/8" x 3/4"   |              |             |
| 2712374  | RNN02913-410A | 1 1/8" x 1/2" |              |             |
|          |               |               | 4500         | 1           |

| Cat. No. | Part No.      | OD x ID                                                           | SWP*:<br>kPa | Pack<br>Qty |
|----------|---------------|-------------------------------------------------------------------|--------------|-------------|
| 2712375  | RNN02916-410A | 1 <sup>1</sup> / <sub>8</sub> " x 5 <sup>5</sup> / <sub>8</sub> " | 4500         | 1           |
| 2712376  | RNN02919-410A | 1 <sup>1</sup> / <sub>8</sub> " x 3 <sup>3</sup> / <sub>4</sub> " |              |             |
| 2712377  | RNN02922-410A | 1 <sup>1</sup> / <sub>8</sub> " x 7 <sup>7</sup> / <sub>8</sub> " |              |             |
| 2712378  | RNN03516-410A | 1 <sup>3</sup> / <sub>8</sub> " x 5 <sup>5</sup> / <sub>8</sub> " |              |             |
| 2712379  | RNN03522-410A | 1 <sup>3</sup> / <sub>8</sub> " x 7 <sup>7</sup> / <sub>8</sub> " |              |             |
| 2712380  | RNN03529-410A | 1 <sup>3</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " | 4200         |             |
| 2712381  | RNN04129-410A | 1 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " | 4000         |             |
| 2712382  | RNN05435-410A | 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>8</sub> " | 3800         |             |
| 2712383  | RNN05441-410A | 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>5</sup> / <sub>8</sub> " |              |             |

\* SWP = Safe working pressure @ 59°C

# Line Fittings - Copper

## Ardent

### 90° Copper Elbows - Female to Female - Solder



| Cat. No. | Part No.    | ID x ID | SWP*: kPa | Pack Qty |
|----------|-------------|---------|-----------|----------|
| 2712396  | REN006-410A | 1/4"    | 4300      | 5        |
| 2712397  | REN010-410A | 3/8"    |           |          |
| 2712398  | REN013-410A | 1/2"    |           | 3        |
| 2712399  | REN016-410A | 5/8"    |           |          |
| 2712400  | REN019-410A | 3/4"    |           |          |
| 2712401  | REN022-410A | 7/8"    | 4200      | 2        |
| 2712402  | REN025-410A | 1"      |           |          |
| 2712403  | REN029-410A | 1 1/8"  |           |          |

| Cat. No. | Part No.      | ID x ID | SWP*: kPa | Pack Qty |
|----------|---------------|---------|-----------|----------|
| 2712404  | REN032-410A   | 1 1/4"  | 4000      | 2        |
| 2712405  | REN035-410A   | 1 3/8"  | 3800      |          |
| 2712406  | REN041        | 1 5/8"  | 3500      |          |
| 2712407  | 103-2626-410A | 1 5/8"  | 4200      |          |
| 2712408  | REN050        | 2"      | 3000      | 1        |
| 2712409  | REN054        | 2 1/8"  | 2800      |          |
| 2712410  | REN067        | 2 5/8"  | 2500      |          |
| 2712411  | REN076        | 3"      | 2100      |          |

### 45° Copper Elbows - Female to Female - Solder



| Cat. No. | Part No.    | ID x ID | SWP*: kPa | Pack Qty |
|----------|-------------|---------|-----------|----------|
| 2712412  | REF010-410A | 3/8"    | 4300      | 3        |
| 2712413  | REF013-410A | 1/2"    |           |          |
| 2712414  | REF016-410A | 5/8"    |           |          |
| 2712415  | REF019-410A | 3/4"    |           |          |
| 2712416  | REF022-410A | 7/8"    |           |          |
| 2712417  | REF025-410A | 1"      | 4200      | 2        |

| Cat. No. | Part No.      | ID x ID | SWP*: kPa | Pack Qty |
|----------|---------------|---------|-----------|----------|
| 2712418  | REF029-410A   | 1 1/8"  | 4000      | 2        |
| 2712419  | REF032-410A   | 1 1/4"  |           |          |
| 2712420  | REF035-410A   | 1 3/8"  |           |          |
| 2712421  | REF041        | 1 5/8"  |           |          |
| 2712422  | 105-2626-410A | 1 5/8"  | 4200      | 1        |
| 2712423  | REF054        | 2 1/8"  | 2800      |          |
| 2712424  | REF067        | 2 5/8"  | 2500      |          |

### 90° Copper Elbows - Male to Female - Solder



| Cat. No. | Part No.    | OD x ID     | SWP*: kPa | Pack Qty |
|----------|-------------|-------------|-----------|----------|
| 2712425  | RBN010-410A | 3/8" x 3/8" | 4300      | 3        |
| 2712426  | RBN013-410A | 1/2" x 1/2" |           |          |
| 2712427  | RBN016-410A | 5/8" x 5/8" |           |          |
| 2712428  | RBN019-410A | 3/4" x 3/4" | 4200      | 1        |
| 2712429  | RBN022-410A | 7/8" x 7/8" | 4000      |          |

| Cat. No. | Part No.    | OD x ID          | SWP*:<br>kPa | Pack<br>Qty |
|----------|-------------|------------------|--------------|-------------|
| 2712430  | RBN029-410A | 1 1/8" x 1 1/8"  | 3800         | 2           |
| 2712431  | RBN035      | 1 3/8" x 1 3/8"  | 3500         |             |
| 2712432  | RBN041      | 1 5/8" x 1 5/8"  |              |             |
| 2712433  | RBN054      | 2 1/8" x 2 1/8"  | 3000         | 1           |
| 2712434  | RBN067      | 2 5/8" x 2 5/8 " | 2800         |             |

### Copper 'P' Traps



| Cat. No. | Part No.    | ID x ID | SWP*: kPa | Pack Qty |
|----------|-------------|---------|-----------|----------|
| 2712435  | RPT016-410A | 5/8"    | 4300      | 1        |
| 2712436  | RPT019-410A | 3/4"    |           |          |
| 2712437  | RPT022-410A | 7/8"    |           |          |
| 2712438  | RPT029-410A | 1 1/8"  | 4200      |          |

| Cat. No. | Part No.    | ID x ID | SWP*: kPa | Pack Qty |
|----------|-------------|---------|-----------|----------|
| 2712439  | RPT035-410A | 1 3/8"  | 4200      | 1        |
| 2712440  | RPT041-410A | 1 5/8"  | 4000      |          |
| 2712441  | RPT054-410A | 2 1/8"  | 3800      |          |

\* SWP = Safe working pressure @ 59°C

# Line Fittings - Copper

## Ardent

**ARDENT**  
COPPER



### Copper Tube End Caps (Stop Ends)

| Cat. No. | Part No.    | ID     | SWP*:<br>kPa | Pack Qty |
|----------|-------------|--------|--------------|----------|
| 704485   | 1120-08     | 1/2"   |              | 1        |
| 704481   | 1120-10     | 5/8"   |              |          |
| 704490   | 1120-12     | 3/4"   |              |          |
| 2712446  | REC022-410A | 7/8"   | 4600         | 2        |
| 704495   | 1120-16     | 1"     |              | 1        |
| 2712447  | REC029-410A | 1 1/8" | 4600         |          |
| 704496   | 1120-20     | 1 1/4" |              |          |
| 2712448  | REC035-410A | 1 3/8" | 4600         |          |

| Cat. No. | Part No.    | ID     | SWP*:<br>kPa | Pack Qty |
|----------|-------------|--------|--------------|----------|
| 704497   | 1120-24     | 1 1/2" |              | 1        |
| 2712449  | REC041-410A | 1 5/8" | 4600         |          |
| 2712442  | 1120-32     | 2"     |              |          |
| 2712450  | REC054-410A | 2 1/8" | 4300         |          |
| 2712451  | REC067-410A | 2 5/8" | 4000         |          |
| 2712443  | 1120-48     | 3"     |              |          |
| 2712452  | REC102      | 4"     | 3500         |          |
| 2712445  | 1120-80     | 5"     |              |          |

### Copper Tees



| Cat. No. | Part No.    | ID x ID<br>x ID | SWP*:<br>kPa | Pack Qty |
|----------|-------------|-----------------|--------------|----------|
| 2712465  | RTE006-410A | 1/4"            | 4500         | 3        |
| 2712466  | RTE010-410A | 3/8"            |              |          |
| 2712467  | RTE013-410A | 1/2"            |              |          |
| 2712468  | RTE016-410A | 5/8"            |              | 2        |
| 2712469  | RTE019-410A | 3/4"            |              |          |
| 2712470  | RTE022-410A | 7/8"            |              |          |
| 2712471  | RTE025-410A | 1"              | 4400         | 1        |

| Cat. No. | Part No.    | ID x ID<br>x ID | SWP*:<br>kPa | Pack<br>Qty |
|----------|-------------|-----------------|--------------|-------------|
| 2712472  | RTE029-410A | 1 1⁄8"          | 4300         | 1           |
| 2712473  | RTE032-410A | 1 1⁄4"          |              |             |
| 2712474  | RTE035-410A | 1 3⁄8"          | 4000         |             |
| 2712475  | RTE041-410A | 1 5⁄8"          |              |             |
| 2712476  | RTE054-410A | 2 1⁄8"          | 3800         |             |
| 2712477  | RTE067-410A | 2 5⁄8"          |              |             |
| 2712478  | RTE076      | 3"              | 3500         |             |

\* SWP = Safe working pressure @ 59°C

### Copper Tube Clips



| Cat. No. | Part No. | Size   | Pack Qty |
|----------|----------|--------|----------|
| 2712453  | RTC006   | 1/4"   | 10       |
| 8002247  | 1115-05  | 5/16"  | 1        |
| 2712454  | RTC010   | 3/8"   | 10       |
| 2712455  | RTC013   | 1/2"   | 5        |
| 2712456  | RTC016   | 5/8"   |          |
| 2701257  | 1115-12  | 3/4"   | 1        |
| 2712457  | RTC022   | 7/8"   | 5        |
| 2701259  | 1115-16  | 1"     | 1        |
| 2712458  | RTC029   | 1 1/8" | 3        |

| Cat. No. | Part No. | Size   | Pack Qty |
|----------|----------|--------|----------|
| 2701261  | 1115-20  | 1 1/4" | 1        |
| 2712459  | RTC035   | 1 3/8" | 3        |
| 2701263  | 1115-24  | 1 1/2" | 1        |
| 2701264  | 1115-26  | 1 5/8" |          |
| 2701265  | 1115-28  | 1 3/4" |          |
| 2701266  | 1115-32  | 2"     |          |
| 2701267  | 1115-34  | 2 1/8" |          |
| 2701268  | 1115-40  | 2 1/2" |          |

## Press Systems >B<Press MaxiPro

Conex Bänninger >B< MaxiPro is a robust press system, which is quick and simple to use, providing a secure and permanent joint suitable for air conditioning and refrigeration applications. Used in conjunction with a custom press tool from Rothenberger, the new MaxiPro fittings benefit from a 3-point press, two presses both sides of the bead and one press compressing the O-ring, providing a permanent and secure join.

### Technical Data

| Cat. No.                                           | Part No.                                                                                                                                                                                                               |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                                | High pressure air-conditioning and refrigeration                                                                                                                                                                       |
| <b>Connections</b>                                 | Copper to Copper                                                                                                                                                                                                       |
| <b>Approved tube: Copper tube conforming to</b>    | AS/NZS 1571*                                                                                                                                                                                                           |
| <b>Fitting / Pipe Range (inches)</b>               | 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/8                                                                                                                                                                                 |
| <b>Fitting Material</b>                            | Refrigerant grade Copper (C12200 min 99.9% pure)                                                                                                                                                                       |
| <b>O-ring</b>                                      | HNBR                                                                                                                                                                                                                   |
| <b>Approved Oils</b>                               | POE, PAO, AB, mineral oil                                                                                                                                                                                              |
| <b>Maximum operating pressure</b>                  | 48 bar / 4,800 kPa / 700 PSI                                                                                                                                                                                           |
| <b>O-ring temperature range</b>                    | -40°C to 140°C                                                                                                                                                                                                         |
| <b>UL listing continuous operating temperature</b> | -40°C to 121°C                                                                                                                                                                                                         |
| <b>Compatible refrigerants</b>                     | R1234yf, R1234ze, R32, R134a, R404A, R407C, R407F, R410A, and R507                                                                                                                                                     |
| <b>Approvals fitting</b>                           | UI 207 certified, certificate no. SA44668.<br>UL 109 - 7 Pull Test, compliant.<br>UL 1963 - 79 Tests of Gaskets and Seals<br>Used in Refrigerant Systems, compliant.<br>ISO 5149-2, compliant.<br>ASTM G85, compliant. |

\* Please refer to >B< MaxiPro Technical Manual - Tube Compatibility Table.

## Press Fittings - Copper

### >B<Press MaxiPro

#### 90 Degree Elbows



| Cat. No. | Part No.        | Interim Description            | ID     | SWP*: kPa | Pack Qty |
|----------|-----------------|--------------------------------|--------|-----------|----------|
| 405955   | MPA5002 0020000 | >B< MAXIPRO ELBOW 1/4" X 90D   | 1/4"   | 4800      | 5        |
| 405956   | MPA5002 0030000 | >B< MAXIPRO ELBOW 3/8" X 90D   | 3/8"   |           |          |
| 405957   | MPA5002 0040000 | >B< MAXIPRO ELBOW 1/2" X 90D   | 1/2"   |           |          |
| 405958   | MPA5002 0050000 | >B< MAXIPRO ELBOW 5/8" X 90D   | 5/8"   |           | 3        |
| 405959   | MPA5002 0060000 | >B< MAXIPRO ELBOW 3/4" X 90D   | 3/4"   |           |          |
| 405960   | MPA5002 0070000 | >B< MAXIPRO ELBOW 7/8" X 90D   | 7/8"   |           |          |
| 405961   | MPA5002 0080000 | >B< MAXIPRO ELBOW 1" X 90D     | 1"     |           | 2        |
| 405962   | MPA5002 0090000 | >B< MAXIPRO ELBOW 1 1/8" X 90D | 1 1/8" |           |          |
| 405963   |                 | >B< MAXIPRO ELBOW 1 1/4" X 90D | 1 1/4" |           | 3        |
| 405964   |                 | >B< MAXIPRO ELBOW 1 3/8" X 90D | 1 3/8" |           |          |
| 405965   |                 | >B< MAXIPRO ELBOW 1 5/8" X 90D | 1 5/8" |           |          |

\* SWP = Safe working pressure

# Press Fittings - Copper

## >B<Press MaxiPro

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>B< MaxiPro



### 45 Degree Elbows

| Cat. No. | Part No.        | Interim Description            | ID     | SWP*: kPa | Pack Qty |
|----------|-----------------|--------------------------------|--------|-----------|----------|
| 406038   | MPA5041 0020000 | >B< MAXIPRO ELBOW 1/4" X 45D   | 1/4"   | 4800      | 3        |
| 405966   | MPA5041 0030000 | >B< MAXIPRO ELBOW 3/8" X 45D   | 3/8"   |           |          |
| 405967   | MPA5041 0040000 | >B< MAXIPRO ELBOW 1/2" X 45D   | 1/2"   |           |          |
| 405968   | MPA5041 0050000 | >B< MAXIPRO ELBOW 5/8" X 45D   | 5/8"   |           |          |
| 405969   | MPA5041 0060000 | >B< MAXIPRO ELBOW 3/4" X 45D   | 3/4"   |           |          |
| 405970   | MPA5041 0070000 | >B< MAXIPRO ELBOW 7/8" X 45D   | 7/8"   |           |          |
| 405971   | MPA5041 0080000 | >B< MAXIPRO ELBOW 1" X 45D     | 1"     |           | 2        |
| 405972   | MPA5041 0090000 | >B< MAXIPRO ELBOW 1 1/8" X 45D | 1 1/8" |           |          |
| 405973   |                 | >B< MAXIPRO ELBOW 1 1/4" X 45D | 1 1/4" |           | 3        |
| 405974   |                 | >B< MAXIPRO ELBOW 1 3/8" X 45D | 1 3/8" |           |          |
| 405975   |                 | >B< MAXIPRO ELBOW 1 5/8" X 45D | 1 5/8" |           |          |

### 90 Degree Elbows - Male to Female - Solder

| Cat. No. | Part No.        | Interim Description                     | ID              | SWP*: kPa | Pack Qty |
|----------|-----------------|-----------------------------------------|-----------------|-----------|----------|
| 405976   | MPA5001 0030000 | >B< MAXIPRO ELBOW 3/8D X 3/8ID X 90D    | 3/8" X 3/8"     | 4800      | 3        |
| 405977   | MPA5001 0040000 | >B< MAXIPRO ELBOW 1/2OD X 1/2ID X 90D   | 1/2" X 1/2"     |           |          |
| 405978   | MPA5001 0050000 | >B< MAXIPRO ELBOW 5/8OD X 5/8ID X 90D   | 5/8" X 5/8"     |           |          |
| 405979   | MPA5001 0060000 | >B< MAXIPRO ELBOW 3/4OD X 3/4ID X 90D   | 3/4" X 3/4"     |           |          |
| 405980   | MPA5001 0070000 | >B< MAXIPRO ELBOW 7/8OD X 7/8ID X 90D   | 7/8" X 7/8"     |           |          |
| 405981   | MPA5001 0090000 | >B< MAXIPRO ELB 1 1/8OD X 1 1/8ID X 90D | 1 1/8" X 1 1/8" |           | 2        |
| 405982   |                 | >B< MAXIPRO ELB 1 3/8OD X 1 3/8ID X 90D | 1 3/8" X 1 3/8" |           |          |
| 405983   |                 | >B< MAXIPRO ELB 1 5/8OD X 1 5/8ID X 90D | 1 5/8" X 1 5/8" |           |          |

### Copper Tee



| Cat. No. | Part No.        | Interim Description    | ID     | SWP*: kPa | Pack Qty |
|----------|-----------------|------------------------|--------|-----------|----------|
| 405984   | MPA5130 0020202 | >B< MAXIPRO TEE 1/4"   | 1/4"   | 4800      | 3        |
| 405985   | MPA5130 0030303 | >B< MAXIPRO TEE 3/8"   | 3/8"   |           |          |
| 405986   | MPA5130 0040404 | >B< MAXIPRO TEE 1/2"   | 1/2"   |           |          |
| 405987   | MPA5130 0050505 | >B< MAXIPRO TEE 5/8"   | 5/8"   |           | 2        |
| 405988   | MPA5130 0060606 | >B< MAXIPRO TEE 3/4"   | 3/4"   |           |          |
| 405989   | MPA5130 0070707 | >B< MAXIPRO TEE 7/8"   | 7/8"   |           |          |
| 405990   | MPA5130 0080808 | >B< MAXIPRO TEE 1"     | 1"     |           | 1        |
| 405991   | MPA5130 0090909 | >B< MAXIPRO TEE 1 1/8" | 1 1/8" |           |          |
| 405992   |                 | >B< MAXIPRO TEE 1 1/4" | 1 1/4" |           | 2        |
| 405993   |                 | >B< MAXIPRO TEE 1 3/8" | 1 3/8" |           |          |
| 405994   |                 | >B< MAXIPRO TEE 1 5/8" | 1 5/8" |           |          |

\* SWP = Safe working pressure

# Press Fittings - Copper

## >B<Press MaxiPro

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### Reducer

| Cat. No. | Part No.        | Interim Description                 | ID              | SWP*: kPa | Pack Qty |
|----------|-----------------|-------------------------------------|-----------------|-----------|----------|
| 405995   | MPA5240 0040300 | >B< MAXIPRO REDUCER 1/2" X 3/8"     | 1/2" x 3/8"     | 4800      | 2        |
| 405996   | MPA5240 0050300 | >B< MAXIPRO REDUCER 5/8" X 3/8"     | 5/8" x 3/8"     |           |          |
| 405997   | MPA5240 0050400 | >B< MAXIPRO REDUCER 5/8" X 1/2"     | 5/8" x 1/2"     |           |          |
| 405998   | MPA5240 0060300 | >B< MAXIPRO REDUCER 3/4" X 3/8"     | 3/4" x 3/8"     |           |          |
| 405999   | MPA5240 0060400 | >B< MAXIPRO REDUCER 3/4" X 1/2"     | 3/4" x 1/2"     |           |          |
| 406000   | MPA5240 0060500 | >B< MAXIPRO REDUCER 3/4" X 5/8"     | 3/4" x 5/8"     |           |          |
| 406001   | MPA5240 0070400 | >B< MAXIPRO REDUCER 7/8" X 1/2"     | 7/8" x 1/2"     |           |          |
| 406002   | MPA5240 0070500 | >B< MAXIPRO REDUCER 7/8" X 5/8"     | 7/8" x 5/8"     |           |          |
| 406003   | MPA5240 0070600 | >B< MAXIPRO REDUCER 7/8" X 3/4"     | 7/8" x 3/4"     |           | 1        |
| 406004   | MPA5240 0090500 | >B< MAXIPRO REDUCER 1 1/8" X 5/8"   | 1 1/8" x 5/8"   |           |          |
| 406005   | MPA5240 0090600 | >B< MAXIPRO REDUCER 1 1/8" X 3/4"   | 1 1/8" x 3/4"   |           |          |
| 406006   | MPA5240 0090700 | >B< MAXIPRO REDUCER 1 1/8" X 7/8"   | 1 1/8" x 7/8"   |           |          |
| 406007   |                 | >B< MAXIPRO REDUCER 1 3/8" X 5/8"   | 1 3/8" x 5/8"   |           | 2        |
| 406008   |                 | >B< MAXIPRO REDUCER 1 3/8" X 7/8"   | 1 3/8" x 7/8"   |           |          |
| 406009   |                 | >B< MAXIPRO REDUCER 1 3/8" X 1 1/8" | 1 3/8" x 1 1/8" |           |          |
| 406010   |                 | >B< MAXIPRO REDUCER 1 5/8" X 1 1/8" | 1 5/8" x 1 1/8" |           |          |

### Bush



| Cat. No. | Part No.        | Interim Description              | ID              | SWP*: kPa | Pack Qty |
|----------|-----------------|----------------------------------|-----------------|-----------|----------|
| 406037   | MPA5243 0030200 | >B< MAXIPRO BUSH 3/8" X 1/4"     | 3/8" x 1/4"     | 4800      | 2        |
| 406011   | MPA5243 0040300 | >B< MAXIPRO BUSH 1/2" X 3/8"     | 1/2" x 3/8"     |           |          |
| 406012   | MPA5243 0050300 | >B< MAXIPRO BUSH 5/8" X 3/8"     | 5/8" x 3/8"     |           |          |
| 406013   | MPA5243 0050400 | >B< MAXIPRO BUSH 5/8" X 1/2"     | 5/8" x 1/2"     |           |          |
| 406014   | MPA5243 0060400 | >B< MAXIPRO BUSH 3/4" X 1/2"     | 3/4" x 1/2"     |           |          |
| 406015   | MPA5243 0060500 | >B< MAXIPRO BUSH 3/4" X 5/8"     | 3/4" x 5/8"     |           |          |
| 406016   | MPA5243 0070400 | >B< MAXIPRO BUSH 7/8" X 1/2"     | 7/8" x 1/2"     |           |          |
| 406017   | MPA5243 0070500 | >B< MAXIPRO BUSH 7/8" X 5/8"     | 7/8" x 5/8"     |           |          |
| 406018   | MPA5243 0070600 | >B< MAXIPRO BUSH 7/8" X 3/4"     | 7/8" x 3/4"     |           | 1        |
| 406019   | MPA5243 0090400 | >B< MAXIPRO BUSH 1 1/8" X 1/2"   | 1 1/8" x 1/2"   |           |          |
| 406020   | MPA5243 0090500 | >B< MAXIPRO BUSH 1 1/8" X 5/8"   | 1 1/8" x 5/8"   |           |          |
| 406021   | MPA5243 0090600 | >B< MAXIPRO BUSH 1 1/8" X 3/4"   | 1 1/8" x 3/4"   |           |          |
| 406022   | MPA5243 0090700 | >B< MAXIPRO BUSH 1 1/8" X 7/8"   | 1 1/8" x 7/8"   |           |          |
| 406023   |                 | >B< MAXIPRO BUSH 1 3/8" X 5/8"   | 1 3/8" x 5/8"   |           |          |
| 406024   |                 | >B< MAXIPRO BUSH 1 3/8" X 7/8"   | 1 3/8" x 7/8"   |           |          |
| 406025   |                 | >B< MAXIPRO BUSH 1 3/8" X 1 1/8" | 1 3/8" x 1 1/8" |           |          |
| 406026   |                 | >B< MAXIPRO BUSH 1 5/8" X 1 3/8" | 1 5/8" x 1 3/8" |           |          |

\* SWP = Safe working pressure

# Press Fittings - Copper

## >B<Press MaxiPro

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### Unions



| Cat. No. | Part No.        | Interim Description      | ID     | SWP*: kPa | Pack Qty |
|----------|-----------------|--------------------------|--------|-----------|----------|
| 406027   | MPA5270 0020000 | >B< MAXIPRO UNION 1/4 "  | 1/4"   | 4800      | 5        |
| 406028   | MPA5270 0030000 | >B< MAXIPRO UNION 3/8"   | 3/8"   |           |          |
| 406029   | MPA5270 0040000 | >B< MAXIPRO UNION 1/2"   | 1/2"   |           |          |
| 406030   | MPA5270 0050000 | >B< MAXIPRO UNION 5/8"   | 5/8"   |           |          |
| 406031   | MPA5270 0060000 | >B< MAXIPRO UNION 3/4"   | 3/4"   |           |          |
| 406032   | MPA5270 0070000 | >B< MAXIPRO UNION 7/8"   | 7/8"   |           | 2        |
| 406033   | MPA5270 0080000 | >B< MAXIPRO UNION 1"     | 1"     |           |          |
| 406034   | MPA5270 0090000 | >B< MAXIPRO UNION 1 1/8" | 1 1/8" |           |          |
| 406035   |                 | >B< MAXIPRO UNION 1 3/8" | 1 3/8" |           |          |
| 406036   |                 | >B< MAXIPRO UNION 1 5/8" | 1 5/8" |           |          |

### Stop Ends



| Cat. No. | Part No.        | Interim Description         | ID     | SWP*: kPa | Pack Qty |
|----------|-----------------|-----------------------------|--------|-----------|----------|
| 406039   | MPA5301 0020000 | >B< MAXIPRO STOP END 1/4"   | 1/4"   | 4800      | 3        |
| 406040   | MPA5301 0030000 | >B< MAXIPRO STOP END 3/8"   | 3/8"   |           |          |
| 406041   | MPA5301 0040000 | >B< MAXIPRO STOP END 1/2"   | 1/2"   |           |          |
| 406042   | MPA5301 0050000 | >B< MAXIPRO STOP END 5/8"   | 5/8"   |           | 2        |
| 406043   | MPA5301 0060000 | >B< MAXIPRO STOP END 3/4"   | 3/4"   |           |          |
| 406044   | MPA5301 0070000 | >B< MAXIPRO STOP END 7/8"   | 7/8"   |           |          |
| 406045   | MPA5301 0080000 | >B< MAXIPRO STOP END 1"     | 1"     |           | 1        |
| 406046   | MPA5301 0090000 | >B< MAXIPRO STOP END 1 1/8" | 1 1/8" |           |          |

\* SWP = Safe working pressure

# Press Tools

ROTHENBERGER

## Rothenberger MaxiPro Jaws

### Tools



| Cat. No. | Part No.   | Interim Description                               |
|----------|------------|---------------------------------------------------|
| 77011769 | 1000000161 | ROMAX COMPACT B PRESS TOOL                        |
| 9506648  | 1000001749 | R/BERG COMPACT MAXIPRO JAW 1/4"                   |
| 9506649  | 1000001750 | R/BERG COMPACT MAXIPRO JAW 3/8"                   |
| 9506650  | 1000001751 | R/BERG COMPACT MAXIPRO JAW 1/2"                   |
| 9506651  | 1000001752 | R/BERG COMPACT MAXIPRO JAW 5/8"                   |
| 9506652  | 1000001753 | R/BERG COMPACT MAXIPRO JAW 3/4"                   |
| 9506653  | 1000001754 | R/BERG COMPACT MAXIPRO JAW 7/8"                   |
| 9506654  | 1000001755 | R/BERG COMPACT MAXIPRO JAW 1"                     |
| 9506655  | 1000001756 | R/BERG COMPACT MAXIPRO JAW 1 1/8"                 |
| 9506664  | 1000001766 | R/BERG COMPACT MAXIPRO JAW SET 1/4-3/4" WITH CASE |

### Accessories

| Cat. No. | Part No.                        | Interim Description                     |
|----------|---------------------------------|-----------------------------------------|
| 2131548  | PS5301 0540000                  | >B< MAXIPRO MARKING TOOL & PEN          |
| 9506687  | R/BERG ROCASE SUIT MAXIPRO JAWS | R/BERG ROCASE SUIT MAXIPRO JAWS         |
| 7701521  | MAIN KIT                        | ROTHENBERGER ROMAX TOOL MAINTENANCE KIT |
| 9506687  | 1000001786                      | R/BERG ROCASE SUIT MAXIPRO JAWS         |

# Schrader/Access Valves and Fittings

## Half Union Type



| Cat. No. | Brand | Part No.  | Description |
|----------|-------|-----------|-------------|
| 2712509  | Refco | A31482    | 1/8" NPT    |
| 2712508  | Refco | A31484/10 | 1/4" NPT    |

## Multi-Size Solder Union



| Cat. No. | Brand | Part No. | Description                                                                                                                |
|----------|-------|----------|----------------------------------------------------------------------------------------------------------------------------|
| 2-Way    |       |          |                                                                                                                            |
| 2712507  | Refco | A31724   | 1/4" or 3/8" OD Solder                                                                                                     |
| 3-Way    |       |          |                                                                                                                            |
| 2712511  | Refco | A31720   | 3/16", 1/4" or 3/8" OD Solder                                                                                              |
| 9-Way    |       |          |                                                                                                                            |
| 2712510  | Refco | A31729   | 3/16", 1/4", 5/16", 3/8" or 1/2" OD Also fits 3/16", 1/4" and 5/16" Solder or 1/8" hole may be punched in larger size tube |



## Female Flare Coupling with Copper Gasket

| Cat. No. | Brand    | Part No. | Description                  |
|----------|----------|----------|------------------------------|
| 2712499  | Robinair | 40410    | 1/4" Female Flare Connection |

## Schrader Access Valve with Copper Tube Extension



| Cat. No. | Part No. | Description                    | SWP kPa | Qty |
|----------|----------|--------------------------------|---------|-----|
| 2712487  | A31003   | 3/16" OD Schrader Access Valve | 2000    | 1   |
| 2712488  | A31004   | 1/4" OD Schrader Access Valve  |         |     |
| 2712503  | 208-0504 | 5/16" OD Schrader Access Valve | 4200    | 2   |
| 2712516  | A31006   | 3/8" OD Schrader Access Valve  |         | 1   |

## Solder and Flare Tees



| Cat. No. | Brand | Part No. | Description                                                               |
|----------|-------|----------|---------------------------------------------------------------------------|
| 2712512  | Refco | A31134   | 1/4" OD Tube or 3/8" Solder on Run 1/4" Male Flare Access on Branch       |
| 2712513  | Refco | A31512   | 1/4" Male Flare and 1/4" Male Flare Access on Run 1/8" Male NPT on Branch |

## Swivel Tee - 1/4" Flare



| Cat. No. | Brand | Part No. | Description                                                               |
|----------|-------|----------|---------------------------------------------------------------------------|
| 2712482  | Refco | A31851   | Access on Branch Female Swivel on One End of Run                          |
| 2712506  |       | A31852   | Access on One End of Run with permanent depressor on Female Swivel Branch |

## Schrader Valve Cores



| Cat. No. | Part No. | Description                     | Qty |
|----------|----------|---------------------------------|-----|
| 2712505  | 204-1    | Schrader Valve Core R410A Rated | 5   |
| 2712515  | A31999   | Schrader Valve Core             | 1   |

## Quick Seal Caps



| Cat. No. | Part No. | Description                         | Qty |
|----------|----------|-------------------------------------|-----|
| 2712514  | NFT5-4   | Quick Seal Cap                      | 1   |
| 2701521  | 205-2    | Schrader Cap And O-Ring R410A Rated |     |

\* Suitable for R410A refrigerants

# Schrader/Access Valve Tools



## Refco

### Valve Core Tool



| Cat. No. | Part No. | Description                             |
|----------|----------|-----------------------------------------|
| 2712496  | A32000   | Valve Core Tool, contains 6 extra Cores |

### Valve Core Remover/Installer

These handy tools remove valve cores without losing the system charge. Designed specifically for use during evacuation or recharging of any system with valve core-type access ports, valve core remover/installers can cut service time for these procedures in half.

A valve core left in place considerably restricts flow during evacuation and charging. By removing the core, the restriction is eliminated and maximum flow results, greatly reducing the time required for pulldown and recharging.



| Cat. No. | Part No.         | Size  | Description                                                                                                                                                                                                                                                                                                  |
|----------|------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2712493  | 32515            | 1/4"  | This tool removes the valve core and holds it out of the way, inside the tool, to eliminate restriction and provide full flow.                                                                                                                                                                               |
| 2712494  | 32520            |       | For removing valve cores to permit full flow while retaining the charge - can also be used to replace leaky valve cores while the system is under pressure. Just attach the tool to the access fitting and unscrew the core. When done, close off the system using the top valve and replace the valve core. |
| 2712495  | 32520-1/2"-20UNF | 5/16" |                                                                                                                                                                                                                                                                                                              |

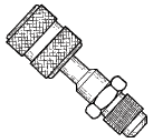
### Access Control Valve



| Cat. No. | Part No. | Description        |
|----------|----------|--------------------|
| 2712491  | A33010   | 1/4" FF x 1/4" MF  |
| 2712492  | A-33410  | 5/16" FF x 1/4" MF |

Access Control Valve

### Quick Coupler Adaptors



| Cat. No. | Brand    | Part No.                   | Size                                    | Description                                     |
|----------|----------|----------------------------|-----------------------------------------|-------------------------------------------------|
| 2712485  | Robinair | 10468A                     | 1/4" Male Flare x<br>3/16" Female Flare | Straight Connection                             |
| 2712486  |          | 40560A                     | 1/4" Male Flare x<br>1/4" Female Flare  |                                                 |
| 2700056  | 40563A   | 90 degree Elbow Connection |                                         |                                                 |
| 2712502  | Robinair | 10234                      |                                         | Straight Connection<br>Quick Seal Auto Shut Off |
| 2712501  |          | 10296                      |                                         |                                                 |
| 8001644  | Refco    | R509/10                    | Packet of 10 Replacement Gaskets        |                                                 |

# Copper Tubing

**SuperPairFR.**

## SuperPairFR

SuperPairFR is a pair of annealed refrigeration grade copper tubes, insulated with high quality fire rated closed cell rubber insulation. Available in traditional coils, SuperPairFR introduces 3 metre straight lengths of pre-insulated annealed copper to the trade for the first time. Utilising the 3 metre lengths, quoting for, and installing, common “back to back” air conditioning installations is faster and easier than ever before. Three metre lengths also mean that you can purchase only what you need. SuperPair FR is the solution if you’re installing split system air conditioners, and it’s ideal for refrigeration installs as well. It’s lightweight, easy to handle and simple to use. SuperPairFR is insulated with SuperlonFR which is an expanded closed cell nitrile rubber material that provides superior thermal insulation and the most efficient vapour barrier for the prevention of condensation. SuperPairFR provides you with the extra confidence of knowing you’ll be using a high quality, fire rated product on every job.

### Features

- 3 metre straight lengths & 18 metre coils
- High quality annealed (soft) copper
- Insulation Fire Rated to AS1530.3 – 1999
- Complies with Building Code of Australia (BCA) requirements
- Individually boxed
- R410A rated
- Low thermal conductivity (K value)



| Cat. No. | Copper Tube Sizes    |                  |                    | Insulation<br>Wall Thickness | Coil Length |  |
|----------|----------------------|------------------|--------------------|------------------------------|-------------|--|
|          | Outside Diameter: mm | Outside Diameter | Wall Thickness: mm |                              |             |  |
| 800000   | 6.35                 | 1¼"              | 0.8                | 10 mm                        | 18 mt       |  |
|          | 9.52                 | 3⁄8"             |                    |                              |             |  |
| 800010   | 6.35                 | 1¼"              |                    |                              |             |  |
|          | 12.7                 | 1⁄2"             |                    |                              |             |  |
| 800011   | 6.35                 | 1¼"              |                    |                              |             |  |
|          | 15.88                | 5⁄8"             | 1                  |                              |             |  |
| 800012   | 9.52                 | 3⁄8"             | 0.8                |                              |             |  |
|          | 15.88                | 5⁄8"             | 1                  |                              |             |  |
| 800013   | 9.52                 | 3⁄8"             | 0.8                |                              |             |  |
|          | 19.05                | 3⁄4"             | 1.15               |                              |             |  |
| 800014   | 12.7                 | 1⁄2"             | 0.8                |                              |             |  |
|          | 19.05                | 3⁄4"             | 1.15               |                              |             |  |
| 800007   | 6.35                 | 1¼"              | 0.8                | 13 mm                        |             |  |
|          | 9.52                 | 3⁄8"             |                    |                              |             |  |
| 800008   | 6.35                 | 1¼"              |                    |                              |             |  |
|          | 12.7                 | 1⁄2"             |                    |                              |             |  |
| 800021   | 6.35                 | 1¼"              |                    |                              |             |  |
|          | 15.88                | 5⁄8"             | 1                  |                              |             |  |
| 800022   | 9.52                 | 3⁄8"             | 0.8                |                              |             |  |
|          | 15.88                | 5⁄8"             | 1                  |                              |             |  |
| 800023   | 6.35                 | 1¼"              | 0.8                | 19 mm                        |             |  |
|          | 9.52                 | 3⁄8"             |                    |                              |             |  |
| 800024   | 6.35                 | 1¼"              |                    |                              |             |  |
|          | 12.7                 | 1⁄2"             |                    |                              |             |  |
| 800025   | 6.35                 | 1¼"              |                    |                              |             |  |
|          | 15.88                | 5⁄8"             | 1                  |                              |             |  |
| 800026   | 9.52                 | 3⁄8"             | 0.8                |                              |             |  |
|          | 15.88                | 5⁄8"             | 1                  |                              |             |  |
| 800027   | 9.52                 | 3⁄8"             | 0.8                |                              |             |  |
|          | 19.05                | 3⁄4"             | 1.15               |                              |             |  |

# Copper Tubing

## SuperPairFR

SuperPairFR.



| Cat. No. | Copper Tube Sizes    |                  |                    | Insulation Wall Thickness | Straight Length | No. of Lengths Per Outer Carton |
|----------|----------------------|------------------|--------------------|---------------------------|-----------------|---------------------------------|
|          | Outside Diameter: mm | Outside Diameter | Wall Thickness: mm |                           |                 |                                 |
| 800019   | 6.35                 | 1/4"             | 0.8                | 10 mm                     | 3 mt            | 6                               |
|          | 9.52                 | 3/8"             | 0.8                |                           |                 |                                 |
| 800020   | 6.35                 | 1/4"             | 0.8                |                           |                 |                                 |
|          | 12.7                 | 1/2"             | 0.8                |                           |                 |                                 |
| 800003   | 6.35                 | 1/4"             | 0.8                |                           |                 |                                 |
|          | 15.88                | 5/8"             | 1                  |                           |                 |                                 |
| 800004   | 9.52                 | 3/8"             | 0.8                |                           |                 |                                 |
|          | 15.88                | 5/8"             | 1                  |                           |                 |                                 |
| 800005   | 9.52                 | 3/8"             | 0.8                |                           |                 |                                 |
|          | 19.05                | 3/4"             | 1.15               |                           |                 |                                 |
| 800006   | 12.7                 | 1/2"             | 0.8                |                           |                 |                                 |
|          | 19.05                | 3/4"             | 1.15               |                           |                 |                                 |

## Pre-insulated Pair Coil Copper Tube R410A Rated



| Cat. No. | Size                 |                    | Outside Diameter | Coil Length    |
|----------|----------------------|--------------------|------------------|----------------|
|          | Outside Diameter: mm | Wall Thickness: mm |                  |                |
| 9800005  | 6.35                 | 0.81               | 1/4"             | 20 Metre Coils |
|          | 9.52                 |                    | 3/8"             |                |
| 9800006  | 6.35                 | 0.81               | 1/4"             |                |
|          | 12.7                 |                    | 1/2"             |                |
| 9800007  | 6.35                 | 0.81               | 1/4"             |                |
|          | 15.88                | 1.02               | 5/8"             |                |
| 9800008  | 9.52                 | 0.81               | 3/8"             |                |
|          | 15.88                | 1.02               | 5/8"             |                |
| 9800009  | 9.52                 | 0.81               | 3/8"             |                |
|          | 19.05                | 1.22               | 3/4"             |                |

KEMBLA

## Kembla

### Soft Annealed Copper Tubing - Refrigeration Quality



| Cat. No. | Size                 |                    |                   |            | Length         |
|----------|----------------------|--------------------|-------------------|------------|----------------|
|          | Outside Diameter: mm | Wall Thickness: mm | Outside Diameter  | Wall Gauge |                |
| 802515   | 4.8                  | 0.91*              | 3 <sub>16</sub> " | 20         | 30 Metre Coils |
| 802767   | 6.4                  | 0.81*              | 1 <sub>4</sub> "  | 21         |                |
| 802540   | 7.9                  |                    | 5 <sub>16</sub> " |            |                |
| 802544   | 9.5                  |                    | 3 <sub>8</sub> "  |            |                |
| 802543   | 12.7                 |                    | 1 <sub>2</sub> "  |            |                |
| 802585   | 15.9                 | 0.91               | 5 <sub>8</sub> "  | 20         | 18 Metre Coils |
| 802580   |                      | 1.02*              |                   | 19         |                |
| 802595   | 19.1                 | 0.91               | 3 <sub>4</sub> "  | 20         |                |
| 802581   |                      | 1.14*              |                   |            |                |
| 802605   | 22.2                 | 0.91               | 7 <sub>8</sub> "  | 20         |                |

\* Suitable for R410A refrigerants.

All Refrigeration Copper Tube is supplied in accordance with Australian Standard AS/NZS 1571

Note: The values as shown can only be considered as approximate as stocks are drawn both local and overseas sources. Price of copper tubing is constantly changing due to variations in our suppliers' base price. Prices of tubing therefore can only be quoted as at date of delivery.

# Copper Tubing

## Kembla

### Hard Drawn Copper Tube - Refrigeration Quality



| Cat. No. | Size                 |                    |                  |            | Tube Length     |
|----------|----------------------|--------------------|------------------|------------|-----------------|
|          | Outside Diameter: mm | Wall Thickness: mm | Outside Diameter | Wall Gauge |                 |
| 802717   | 6.4                  | 0.81*              | 1/4"             | 21         | 6 Metre Lengths |
| 802718   | 9.5                  |                    | 3/8"             |            |                 |
| 802719   | 12.7                 |                    | 1/2"             |            |                 |
| 802720   | 15.9                 | 0.91               | 5/8"             | 20         |                 |
| 802741   |                      | 1.02*              |                  | 19         |                 |
| 802730   | 19.1                 | 0.91               | 3/4"             | 20         |                 |
| 802742   |                      | 1.14*              |                  | 18.5       |                 |
| 802740   | 22.2                 | 0.91               | 7/8"             | 20         |                 |
| 802735   |                      | 1.22               |                  | 18         |                 |
| 802743   |                      | 1.40*              |                  | 17         |                 |
| 802750   | 25.4                 | 0.91               | 1"               | 20         |                 |
| 802745   |                      | 1.22               |                  | 18         |                 |
| 802744   |                      | 1.63*              |                  | 16         |                 |
| 802760   | 28.6                 | 0.91               | 1 1/8"           | 20         |                 |
| 802755   |                      | 1.22               |                  | 18         |                 |
| 802753   |                      | 1.63               |                  | 16         |                 |
| 802752   |                      | 1.83*              |                  | 15         |                 |
| 802770   | 31.8                 | 0.91               | 1 1/4"           | 20         |                 |
| 802765   |                      | 1.22               |                  | 18         |                 |
| 802764   |                      | 2.03*              |                  | 14         |                 |
| 802780   | 34.9                 | 0.91               | 1 3/8"           | 20         |                 |
| 802775   |                      | 1.22               |                  | 18         |                 |
| 802761   |                      | 2.03*              |                  | 14         |                 |
| 800001   | 38.1                 | 0.91               | 1 1/2"           | 20         |                 |
| 802785   |                      | 1.22               |                  | 18         |                 |
| 802800   | 41.3                 | 0.91               | 1 5/8"           | 20         |                 |
| 802795   |                      | 1.22               |                  | 18         |                 |
| 800028   |                      | 1.63               |                  | 16         |                 |
| 802762   |                      | 2.41*              |                  | 12.5       |                 |
| 208134   | 50.8                 | 0.91               | 2"               | 20         |                 |
| 802807   |                      | 1.22               |                  | 18         |                 |
| 802771   | 54                   | 0.91               | 2 1/8"           | 20         |                 |
| 802825   |                      | 1.22               |                  | 18         |                 |
| 802820   |                      | 1.6                |                  | 16         |                 |
| 800002   | 63.5                 | 1.22               | 2 1/2"           | 18         |                 |
| 802840   | 66.7                 |                    | 2 5/8"           | 18         |                 |
| 802768   |                      | 1.6                |                  | 16         |                 |
| 802766   |                      | 2.03               |                  | 14         |                 |
| 802845   | 76.2                 | 1.63               | 3"               | 16         |                 |
| 802851   | 101.6                | 1.63               | 4"               |            |                 |

\* Suitable for most R410A refrigerant applications.

All Refrigeration Copper Tube is supplied in accordance with Australian Standard AS/NZS 1571

Note: The values as shown can only be considered as approximate as stocks are drawn both local and overseas sources. Price of copper tubing is constantly changing due to variations in our suppliers' base price. Prices of tubing therefore can only be quoted as at date of delivery.

# Flexible Lines

## Burgaflex



Burgaflex hose with Burgaclick fittings is the most reliable, durable and extensive refrigerant hose clip system for commercial, automotive and transport air conditioning and refrigeration.

Burgaclick hose fitting technology delivers a superior connection solution for multiple refrigerants such as: R134a, R404A, R410A, R22, Suva MP52 and HFO1234yf. Reduces leakage and permeation - Foolproof and quick assembly of hose fittings with the break-through Burgaclick technology. Manufactured to stringent industry standards by a company with years of experience and testing – nobody knows air conditioning hoses and fittings better than the people at Burgaflex.

### Hoses

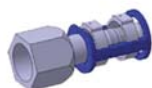


| Cat. No. | Part No. | Description                               | Suits Fitting Size | Roll Length: m |
|----------|----------|-------------------------------------------|--------------------|----------------|
| 2711928  | ACT-002  | Burgaflex Hose for 1/4" Fittings 15m Roll | 1/4"               | 3              |
| 2711935  | 3090-06  | Burgaflex Hose for 3/8" Fittings 15m Roll | 3/8"               | 15             |
| 2711936  | 3090-08  | Burgaflex Hose for 1/2" Fittings 15m Roll | 1/2"               | 15             |
| 2711937  | 3090-10  | Burgaflex Hose for 5/8" Fittings 15m Roll | 5/8"               | 15             |
| 2711938  | 3090-12  | Burgaflex Hose for 3/4" Fittings 15m Roll | 3/4"               | 15             |

### Fitting Kits

| Cat. No. | Part No. | Description                              | Kit Contents                        | Suits Fitting Size |
|----------|----------|------------------------------------------|-------------------------------------|--------------------|
| 2711939  | ACT-001  | 1/4" Female Flare Burgaclick Fitting Kit | 2 x straight<br>2 x 90 degree angle | 1/4"               |

### Straight Fittings



| Cat. No. | Part No.       | Description                                   | Suits Fitting Size |
|----------|----------------|-----------------------------------------------|--------------------|
| 2711930  | 54701-06-06S-K | 3/8" Female Flare Straight Burgaclick Fitting | 3/8"               |
| 2711940  | 54701-08-08S-K | 1/2" Female Flare Straight Burgaclick Fitting | 1/2"               |
| 2711941  | 54701-10-10S-K | 5/8" Female Flare Straight Burgaclick Fitting | 5/8"               |
| 2711942  | 54701-12-12S-K | 3/4" Female Flare Straight Burgaclick Fitting | 3/4"               |

### Angle Fittings



| Cat. No. | Part No.       | Description                                          | Suits Fitting Size |
|----------|----------------|------------------------------------------------------|--------------------|
| 2711943  | 54703-06-06S-K | 3/8" Female Flare 90 Degree Angle Burgaclick Fitting | 3/8"               |
| 2711944  | 54703-08-08S-K | 1/2" Female Flare 90 Degree Angle Burgaclick Fitting | 1/2"               |
| 2711945  | 54703-10-10S-K | 5/8" Female Flare 90 Degree Angle Burgaclick Fitting | 5/8"               |
| 2711946  | 54703-12-12S-K | 3/4" Female Flare 90 Degree Angle Burgaclick Fitting | 3/4"               |

### Pliers



| Cat. No. | Part No. | Description       |
|----------|----------|-------------------|
| 8001902  | 8766     | Burgaclick Pliers |



# Capillary Tubing

## Key

### Capillary Tubing Service Packs



| Cat. No. | Part No. | Inside Diameter |        | Length: mm |
|----------|----------|-----------------|--------|------------|
|          |          | mm              | Inches |            |
| 2701841  | SP-1     | 0.66            | 0.026  | 3660       |
| 2701844  | SP-2     | 0.8             | 0.0315 |            |
| 2701845  | SP-3     | 0.9             | 0.0335 |            |
| 2701846  | SP-4     | 1.1             | 0.0435 | 4270       |
| 2701847  | SP-4.5   | 1.2             | 0.0472 |            |
| 2701848  | SP-5     | 1.3             | 0.051  |            |

| Cat. No. | Part No. | Inside Diameter |        | Length: mm |
|----------|----------|-----------------|--------|------------|
|          |          | mm              | Inches |            |
| 2701849  | SP-6     | 1.4             | 0.055  | 3660       |
| 2701850  | SP-6.5   | 1.5             | 0.0591 | 3660       |
| 2701851  | SP-7     | 1.62            | 0.064  | 3050       |
| 2701852  | SP-8     | 1.78            | 0.07   | 3660       |
| 2701853  | SP-9     | 1.9             | 0.075  | 2750       |
| 2701842  | SP-10    | 2.04            | 0.08   | 3050       |
| 2701843  | SP-11    | 2.24            | 0.088  | 3660       |

# Roof Flashing



## Aztec

### Pipe Flashing

#### Standard



| Cat. No. | Part No.  | Suit Pipe OD: mm | Base Size: mm | Compound   | Temp. Range °C |
|----------|-----------|------------------|---------------|------------|----------------|
| 8002289  | MFSMIDDYB | 0-50mm           | 100 x 100     | Black EPDM | -55°C to 135°C |
| 8002290  | MFS1B     | 6-70mm           | 115 x 115     |            |                |
| 8002291  | MFS2B     | 50-70mm          | 152 x 152     |            |                |
| 8002292  | MFS3B     | 6-146mm          | 203 x 203     |            |                |

#### Multiport



| Cat. No. | Part No.  | Suit Pipe OD: mm | Base Size: mm | Compound   | Temp. Range °C |
|----------|-----------|------------------|---------------|------------|----------------|
| 8002293  | MFMPMINIB | 1 port 0-49mm    | 115 x 115     | Black EPDM | -55°C to 135°C |
|          |           | 2 ports 20mm     |               |            |                |
|          |           | 2 ports 10mm     |               |            |                |

#### Retrofit



| Cat. No. | Part No. | Suit Pipe OD: mm | Base Size: mm | Compound   | Temp. Range °C |
|----------|----------|------------------|---------------|------------|----------------|
| 8002294  | MFRF1B   | 19 to 69mm       | 160           | Black EPDM | -55 to 135     |
| 8002295  | MFRF2B   | 50 to 184mm      | 273           |            |                |



## Top Hat

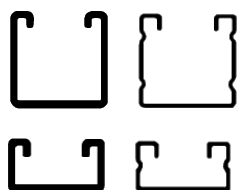
### Roof Penetration Kit

| Cat. No. | Part No.   | Description                          |
|----------|------------|--------------------------------------|
| 1228881  | RF-PN-65   | 65mm Roof Penetration Kit            |
| 8002270  | TTRF-PN-65 | 65mm Roof Penetration Kit Twin Entry |

# Pipe Supports

**BBJ**

## Channels - Slotted



| Cat. No. | Part No.  | Nom Section Dim: mm | Thickness: mm | Material* | Length |
|----------|-----------|---------------------|---------------|-----------|--------|
| 8002529  | PE1000SH2 | 41 x 41             | 2.5           | HDG       | 2      |
| 8002530  | PE3300SH2 | 41 x 21             |               |           |        |
| 8002531  | PE2000SG2 | 41 x 41             | 1.6           | GB        |        |
| 8002532  | PE4000SG2 | 41 x 21             |               |           |        |

\*HDG = Hot Dipped Galvanised GB = Galvabond

## Rod, Fittings and Accessories



| Cat. No. | Part No. | Description                             | Pack Qty |
|----------|----------|-----------------------------------------|----------|
| 8002533  | PTR10Z   | M10 Threaded Rod Zinc Plated 3m         | 1        |
| 8002534  | PHN10Z   | M10 Hex Nuts Zinc Plated                | 25       |
| 8002535  | PFW10Z   | M10 Flat Washer Zinc Plated             |          |
| 8002539  | PLD10M   | M10 x 40mm Masonry Anchor               |          |
| 8002540  | PEVMP10  | M10 Wall Plate Hanger Vertical          | 4        |
| 8002541  | PECMP10  | M10 Wall Plate Hanger Centre            |          |
| 8002542  | PEHMP10  | M10 Wall Plate Hanger Horizontal        |          |
| 8002543  | PRC10Z   | M10 Hex Nut Coupler                     |          |
| 8002536  | PHS1040Z | Hex Screw M10 x 40mm Zinc Plated        |          |
| 8002537  | PE1008Z  | Channel Nut With Spring M10 Zinc Plated | 20m      |
| 8002538  | PE2600   | Isolation Strip                         |          |

## Stud Clips

Stud clips have a secure and lockable fastening mechanism, allowing quick and easy fixing with the simple fit and twist action. The unique ratchet design ensures that the clip remains closed when insulated pipe is squeezed against the wall of the clip. The clips are also easy to remove and relocate for maintenance.

### Features:

- Unique locking ratchet design
- Easy installation on M10 threaded rod
- Withstands temperatures from -40°C to +140°C



| Cat. No. | Part No. | Description   | Pipe OD | Pack Qty |
|----------|----------|---------------|---------|----------|
| 500022   | B6814P   | M10 Stud Clip | 1/4"    | 5        |
| 500023   | B6816P   |               | 3/8"    |          |
| 500024   | B6815P   |               | 1/2"    |          |
| 500025   | B6817P   |               | 5/8"    |          |
| 500026   | B6818P   |               | 3/4"    |          |
| 500027   | B6819P   |               | 7/8"    |          |
| 500028   | B6820P   |               | 1"      |          |

| Cat. No. | Part No. | Description   | Pipe OD | Pack Qty |
|----------|----------|---------------|---------|----------|
| 500029   | B6821P   | M10 Stud Clip | 1 1/8"  | 3        |
| 500030   | B6822P   |               | 1 1/4"  |          |
| 500031   | B6823P   |               | 1 3/8"  |          |
| 500032   | B6824P   |               | 1 1/2"  |          |
| 500033   | B6825P   |               | 1 5/8"  |          |
| 500034   | B6826P   |               | 2"      |          |
| 500035   | B6827P   |               | 2 1/8"  |          |

## Channel Clips

Channel clips have a secure and lockable fastening mechanism, allowing quick and easy fixing with the simple fit and twist action. The unique ratchet design ensures that the clip remains closed when insulated pipe is squeezed against the wall of the clip. The clips are also easy to remove and relocate for maintenance.

### Features:

- Unique locking ratchet design
- Easy installation in 41mm channels
- Withstands temperatures from -40°C to +140°C



| Cat. No. | Part No. | Description  | Pipe OD | Pack Qty |
|----------|----------|--------------|---------|----------|
| 8002520  | B6842P   | Channel Clip | 1/4"    | 5        |
| 8002515  | B6844P   |              | 3/8"    |          |
| 8002516  | B6843P   |              | 1/2"    |          |
| 8002517  | B6845P   |              | 5/8"    |          |
| 8002518  | B6846P   |              | 3/4"    |          |
| 8002519  | B6847P   |              | 7/8"    |          |
| 8002521  | B6848P   |              | 1"      |          |

| Cat. No. | Part No. | Description  | Pipe OD | Pack Qty |
|----------|----------|--------------|---------|----------|
| 8002522  | B6849P   | Channel Clip | 1 1/8"  | 3        |
| 8002523  | B6850P   |              | 1 1/4"  |          |
| 8002524  | B6851P   |              | 1 3/8"  |          |
| 8002525  | B6852P   |              | 1 1/2"  |          |
| 8002526  | B6853P   |              | 1 5/8"  |          |
| 8002527  | B6854P   |              | 2"      |          |
| 8002528  | B6855P   |              | 2 1/8"  |          |

# Pipe Supports

## BBJ

### Insulclamps

Insulclamps are a well known range of pipe clips, supporting individual pipes in a thermo-rubber cushion between 2 metal parts and can be used internally or externally.

#### Features:

- Insulates against heat loss and reduces vibration
- Plastic inserts designed to withstand temperatures from -25°C to +125°C
- Quick to install with integral lock nuts
- All metal parts are zinc plated and colour passivated to resist corrosion



| Cat. No. | Part No. | Pipe OD | Pack Qty |
|----------|----------|---------|----------|
| 8002511  | B6268P   | 1/4"    | 5        |
| 500010   | B6274P   | 3/8"    |          |
| 500011   | B6267P   | 1/2"    | 3        |
| 500012   | B6276P   | 5/8"    |          |
| 500013   | B6273P   | 3/4"    |          |
| 500014   | B6277P   | 7/8"    |          |

| Cat. No. | Part No. | Pipe OD | Pack Qty |
|----------|----------|---------|----------|
| 500015   | B6264P   | 1 1/8"  | 2        |
| 500016   | B6265P   | 1 3/8"  |          |
| 500017   | B6266P   | 1 5/8"  |          |
| 8002512  | B6269P   | 2 1/8"  | 1        |
| 8002513  | B6270P   | 2 5/8"  |          |
| 8002514  | B6271P   | 3 1/8"  |          |

### Pipe Clamps

PE5 Pipe Clamps suit standard 41mm channels and are used to support all types of pipework, both insulated and uninsulated. Where PE5 pipe clamps are restraining uninsulated pipework subject to vibration, the use of Isolation Strip is recommended.



| Cat. No. | Part No. | Pipe OD: mm | W x T: mm | Mass: kg | Thread | Pack Qty |
|----------|----------|-------------|-----------|----------|--------|----------|
| 8002712  | PE5-11P  | 11          | 32 x 2.0  | 0.038    | M6     | 5        |
| 8002713  | PE5-14P  | 14          |           | 0.042    |        |          |
| 8002714  | PE5-17P  | 17          |           | 0.046    |        |          |
| 8002715  | PE5-19P  | 19          |           | 0.048    |        |          |
| 8002716  | PE5-21P  | 21          |           | 0.052    |        |          |
| 8002717  | PE5-25P  | 25          |           | 0.056    |        | 3        |
| 8002718  | PE5-27P  | 27          |           | 0.060    |        |          |
| 8002719  | PE5-29P  | 29          |           | 0.062    |        |          |
| 8002720  | PE5-32P  | 32          |           | 0.066    |        |          |
| 8002721  | PE5-34P  | 34          |           | 0.068    |        |          |
| 8002722  | PE5-38P  | 38          | 32 x 2.5  | 0.074    | M6     | 2        |
| 8002723  | PE5-43P  | 43          |           | 0.080    |        |          |
| 8002724  | PE5-48P  | 48          |           | 0.108    |        |          |
| 8002725  | PE5-51P  | 51          |           | 0.114    |        |          |
| 8002726  | PE5-54P  | 54          |           | 0.118    |        |          |
| 8002727  | PE5-57P  | 57          |           | 0.122    |        |          |
| 8002728  | PE5-60P  | 60          |           | 0.128    |        |          |
| 8002729  | PE5-64P  | 64          |           | 0.134    |        |          |
| 8002730  | PE5-67P  | 67          |           | 0.140    |        |          |
| 8002731  | PE5-70P  | 70          |           | 0.144    |        |          |
| 8002732  | PE5-73P  | 73          |           | 0.148    |        | 1        |
| 8002733  | PE5-76P  | 76          |           | 0.154    |        |          |
| 8002734  | PE5-79P  | 79          |           | 0.158    |        |          |
| 8002735  | PE5-83P  | 83          |           | 0.164    |        |          |
| 8002736  | PE5-86P  | 86          |           | 0.170    |        |          |
| 8002737  | PE5-89P  | 89          |           | 0.174    |        |          |

| Cat. No. | Part No. | Pipe<br>OD:<br>mm | W x T:<br>mm | Mass:<br>kg | Thread | Pack<br>Qty |
|----------|----------|-------------------|--------------|-------------|--------|-------------|
| 8002738  | PE5-92P  | 92                | 32 x 2.5     | 0.180       | M6     | 2           |
| 8002739  | PE5-95P  | 95                |              | 0.184       |        |             |
| 8002740  | PE5-98P  | 98                |              | 0.190       |        |             |
| 8002741  | PE5-102P | 102               |              | 0.202       |        |             |
| 8002742  | PE5-105P | 105               |              | 0.206       | M8     | 1           |
| 8002743  | PE5-108P | 108               |              | 0.212       |        |             |
| 8002744  | PE5-111P | 111               |              | 0.216       |        |             |
| 8002745  | PE5-114P | 114               |              | 0.222       |        |             |
| 8002746  | PE5-117P | 117               |              | 0.226       |        |             |
| 8002747  | PE5-121P | 121               |              | 0.232       |        |             |
| 8002748  | PE5-127P | 127               |              | 0.242       |        |             |
| 8002749  | PE5-133P | 133               |              | 0.252       |        |             |
| 8002750  | PE5-140P | 140               |              | 0.264       |        |             |
| 8002751  | PE5-146P | 146               |              | 0.274       |        |             |
| 8002752  | PE5-152P | 152               |              | 0.282       |        |             |
| 8002753  | PE5-160P | 160               |              | 0.296       |        |             |
| 8002754  | PE5-165P | 165               |              | 0.304       |        |             |
| 8002755  | PE5-171P | 171               |              | 0.314       |        |             |
| 8002756  | PE5-178P | 178               |              | 0.324       |        |             |
| 8002757  | PE5-191P | 191               |              | 0.348       |        |             |
| 8002758  | PE5-203P | 203               |              | 0.366       |        |             |
| 8002759  | PE5-216P | 216               |              | 0.386       |        |             |
| 8002760  | PE5-230P | 230               |              | 0.400       |        |             |
| 8002761  | PE5-241P | 241               |              | 0.428       |        |             |
| 8002762  | PE5-254P | 254               | 0.448        |             |        |             |



### Features:

- Quick assembly and installation
- Adjustable polypropylene feet
- Supplied with inbuilt level
- Adjustable brackets to suit various sizes and applications
- Supplied with mounting accessories

# Rodigas

SRL

Lifting the standard in unit support





# Pipe Supports

## BBJ

### Griplocks

| Cat. No. | Part No. | Description        | Size | Suits Approx. Pipe Sizes (allowing for insulation) | Pack Qty. |
|----------|----------|--------------------|------|----------------------------------------------------|-----------|
| 500018   | B6186P   | Griplock Pipe Clip | 1    | 1/4" & 1/2"                                        | 4         |
| 500019   | B6187P   |                    | 2    | 3/8" & 5/8"                                        | 3         |
| 500020   | B6188P   |                    | 3    | 1/2" & 7/8"                                        | 3         |
| 500021   | B6189P   |                    | 4    | 5/8" & 1 1/8"                                      | 2         |

# Unit Brackets

## Rodigas



### Adjustable Brackets

#### Features

- Quick assembly and installation
- Adjustable brackets to suit all applications
- Supplied with inbuilt level
- Supplied with mounting accessories



| Cat. No. | Model No. | Description                                               | Mounting Depth: mm | Max Bracket Spacing: mm | Load Rating: kg |
|----------|-----------|-----------------------------------------------------------|--------------------|-------------------------|-----------------|
| 8002478  | MT650     | A/C Bracket Adjustable Sloping Roof Kit                   | 520                | 800                     | 140             |
| 8002479  | MS230     | A/C Bracket Adjustable Wall Mount Kit Powder Coated       | 420                |                         | 100             |
| 8002481  | MS253     |                                                           | 465                |                         | 140             |
| 8002480  | MS257     |                                                           | 550                |                         | 200             |
| 8002483  | MS213     |                                                           | 550                |                         | 200             |
| 8002482  | MS263     | A/C Bracket Adjustable Wall Mount Kit 304 Stainless Steel | 420                |                         | 140             |

## Galvanised Brackets

Supplied as a pair



| Cat. No. | Part No. | Mounting Depth: mm | Load Rating: kg |
|----------|----------|--------------------|-----------------|
| 8002484  | MS102SCI | 420                | 120             |
| 8002485  | MS110SCI | 520                | 140             |
| 8002486  | MS107SCI | 620                | 160             |



## Propipe

### Cantilever Bracket Kits - Hot Dipped Galvanised

Supplied with strut mounting kit



| Cat. No. | Part No. | Mounting Depth: mm |
|----------|----------|--------------------|
| 8002544  | CB450    | 450                |
| 8002545  | CB600    | 600                |
| 8002546  | CB750    | 750                |

# Pipe Supports

## Thermaloc



### Insulated Pipe Supports

Thermaloc is light weight and extremely tough insulated pipe support system. Just place the two pieces over the pipe and squeeze together gently. They are quick and easy to use and provide a flat surface to butt insulation against allowing a tight and secure joint. Use with standard pipe clips and channels (sold separately).

#### Features

- Made from recycled material and is recyclable
- Profile ensures an airtight finish
- Decreases installation time as it locks easily together
- Made of high density PE foam
- Closed cell so that it will not absorb moisture or degrade with time
- Will not erode with pipe movement
- AS1530.3 compliant foil faced

| ID  |        | 25mm Wall |     |         | 30mm Wall |     |         | 40mm Wall |     |         | 50mm Wall |     |         |
|-----|--------|-----------|-----|---------|-----------|-----|---------|-----------|-----|---------|-----------|-----|---------|
| mm  | Inch   | Cat. No.  | OD  | R Value | Cat. No.  | OD  | R Value | Cat. No.  | OD  | R Value | Cat. No.  | OD  | R Value |
| 6   | 1/4"   | 8002551   | 56  | 1.04    |           |     |         |           |     |         |           |     |         |
| 10  | 3/8"   | 8002552   | 60  | 0.9     |           |     |         |           |     |         |           |     |         |
| 13  | 1/2"   | 8002553   | 63  | 0.83    | 8002572   | 73  | 1.05    | 8002591   | 93  | 1.52    |           |     |         |
| 16  | 5/8"   | 8002554   | 66  | 0.78    | 8002573   | 76  | 0.99    | 8002592   | 96  | 1.43    |           |     |         |
| 20  | 3/4"   | 8002555   | 70  | 0.73    | 8002574   | 80  | 0.92    | 8002593   | 100 | 1.34    | 8002610   | 120 | 1.79    |
| 22  | 7/8"   | 8002556   | 72  | 0.71    | 8002575   | 82  | 0.9     | 8002594   | 102 | 1.3     | 8002611   | 122 | 1.74    |
| 25  | 1"     | 8002557   | 75  | 0.69    | 8002576   | 85  | 0.87    | 8002595   | 105 | 1.26    | 8002612   | 125 | 1.68    |
| 27  | 1 1/8" | 8002558   | 77  | 0.67    | 8002577   | 87  | 0.85    | 8002596   | 107 | 1.23    | 8002613   | 127 | 1.64    |
| 32  | 1 1/4" | 8002559   | 82  | 0.64    | 8002578   | 92  | 0.81    | 8002597   | 112 | 1.17    | 8002614   | 132 | 1.56    |
| 34  | 1 3/8" | 8002560   | 84  | 0.63    | 8002579   | 94  | 0.8     | 8002598   | 114 | 1.15    | 8002615   | 134 | 1.53    |
| 38  | 1 1/2" | 8002561   | 88  | 0.62    | 8002580   | 98  | 0.77    | 8002599   | 118 | 1.11    | 8002616   | 138 | 1.48    |
| 42  | 1 5/8" | 8002562   | 92  | 0.6     | 8002581   | 102 | 0.75    | 8002600   | 122 | 1.08    | 8002617   | 142 | 1.44    |
| 48  | 1 7/8" | 8002563   | 98  | 0.58    | 8002582   | 108 | 0.73    | 8002601   | 128 | 1.05    | 8002618   | 148 | 1.39    |
| 51  | 2"     | 8002564   | 101 | 0.58    | 8002583   | 111 | 0.72    | 8002602   | 131 | 1.03    | 8002619   | 151 | 1.37    |
| 54  | 2 1/8" | 8002565   | 104 | 0.57    | 8002584   | 114 | 0.71    | 8002603   | 134 | 1.01    | 8002620   | 154 | 1.34    |
| 60  | 2 3/8" | 8002566   | 110 | 0.56    | 8002585   | 120 | 0.69    | 8002604   | 140 | 0.99    | 8002621   | 160 | 1.31    |
| 64  | 2 1/2" | 8002567   | 114 | 0.55    | 8002586   | 124 | 0.68    | 8002605   | 144 | 0.97    | 8002622   | 164 | 1.29    |
| 67  | 2 5/8" | 8002568   | 117 | 0.54    | 8002587   | 127 | 0.68    | 8002606   | 147 | 0.96    | 8002623   | 167 | 1.27    |
| 76  | 3"     | 8002569   | 126 | 0.53    | 8002588   | 136 | 0.66    | 8002607   | 156 | 0.93    | 8002624   | 176 | 1.23    |
| 89  | 3 1/2" | 8002570   | 139 | 0.52    | 8002589   | 149 | 0.64    | 8002608   | 169 | 0.9     | 8002625   | 189 | 1.19    |
| 102 | 4"     | 8002571   | 152 | 0.51    | 8002590   | 162 | 0.62    | 8002609   | 182 | 0.88    | 8002626   | 202 | 1.15    |
| 115 | 4 1/2" |           | 165 | 0.5     |           | 175 | 0.61    |           | 195 | 0.86    | 8002627   | 215 | 1.12    |
| 127 | 5"     |           | 177 | 0.49    |           | 187 | 0.6     |           | 207 | 0.84    | 8002628   | 227 | 1.1     |
| 140 | 5 1/2" |           | 190 | 0.48    |           | 200 | 0.59    |           | 220 | 0.83    | 8002629   | 240 | 1.08    |
| 152 | 6"     |           | 202 | 0.48    |           | 212 | 0.59    |           | 232 | 0.82    |           | 252 | 1.06    |
| 168 | 6 1/2" |           | 218 | 0.47    |           | 228 | 0.58    |           | 248 | 0.8     |           | 268 | 1.04    |
| 204 | 8"     |           | 254 | 0.46    |           | 264 | 0.57    |           | 284 | 0.78    |           | 304 | 1.01    |



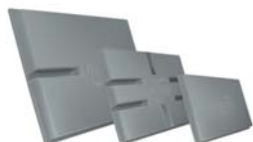
# Unit Mounts

## Polyslab

Polyslab is made from an extremely tough composite material with added UV protection and eliminates the need for bulky, dirty and unsightly products. Polyslab provides a lighter, safer alternative to dangerously heavy pre-cast concrete products including slabs and pavers. Rather, it offers a light, rigid and smooth-edge design.

### Features

- Used for air conditioners, refrigeration units & hot water systems & more
- Quick and easy to install
- Light weight design
- Stackable – saves space
- Clean and non-abrasive (no cuts, dust or damage)
- Resists cracking or chipping



| Cat. No. | Part No.      | Size: mm  | Max Load | Pack Size |
|----------|---------------|-----------|----------|-----------|
| 2700598  | PSAC          | 885 x 465 | 160kg    | 1         |
| 8002476  | PSACMED-BB50  |           |          | 50        |
| 8002477  | PSACMED-BB100 |           |          | 100       |

| Cat. No. | Part No. | Size: mm   | Max Load |
|----------|----------|------------|----------|
| 2700602  | PSAC-SML | 639 x 339  | 120kg    |
| 2700603  | PSAC-LGE | 1130 x 650 | 160kg    |
| 8002475  | PSHWS    | 650 x 650  | 500kg    |

## Evo-Crete Mounting Blocks

Evo-Crete is Fibre Reinforced Cellular Concrete which creates a dynamic cellular structure with fibre reinforcing to provide extreme strength and durability.



| Cat. No. | Part No. | Block Dimensions: mm | Kit Contents                                                                          |
|----------|----------|----------------------|---------------------------------------------------------------------------------------|
| 903182   | EVO-ACB  | 450 x 80 x 110       | 2 x Evo-Crete Blocks<br>4 x Rubber Vibration Mounts<br>4 x Evo-Crete Screws & Washers |

## Rubber Mounts

Supplied in sets of 4, rubber mounts are easily fixed to the mounting holes of an air conditioner's out door unit using the integral stud and nut supplied.



| Cat. No. | Part No. | Size: mm |
|----------|----------|----------|
| 8002490  | VM1      | 1" Small |
| 8002491  | VM2      | 2" Small |

| Cat. No. | Part No. | Size: mm  |
|----------|----------|-----------|
| 8002492  | VM3      | 3" Medium |
| 8002493  | VM4      | 4" Large  |

# smart DUCT

## Pipe Duct Smartduct

### Features

- UV Resistant
- Minimum effort for maximum impact
- Long Lasting
- Available in 2 widths - 80mm and 110mm
- Fast to install
- Cost efficient
- Suitable for temperatures from -20°C to 60°C



### 80mm

| Cat. No. | Part No. | Description                      |
|----------|----------|----------------------------------|
| 8002364  | 0812-BC  | Straight 2m Duct                 |
| 8002366  | 0812-GC  | Cover Join                       |
| 8002368  | 0812-A1  | Internal Corner                  |
| 8002369  | 0820-IR  | Internal Corner Adj. 80° to 105° |
| 8002371  | 0806-AE  | External Corner                  |
| 8002372  | 0821-ER  | External Corner Adj. 70° to 120° |
| 8002374  | 0807-CP  | Plane Curve                      |
| 8002375  | 0822-PR  | Plane Curve Adj. 65° to 130°     |
| 8002377  | 0809-CM  | Corner Wall Elbow                |
| 8002394  | 0814-VS  | Left Vertical Angle              |
| 8002395  | 0815-VD  | Right Vertical Angle             |
| 8002379  | 0808-TT  | End Cap                          |
| 8002380  | 0810-PM  | Wall Passage                     |
| 8002382  | 0811-GF  | Flexible Joint                   |
| 8002383  | 0813-DT  | "T" Shunt                        |
| 8002386  | 0803-ST  | Fast Block                       |

### 110mm

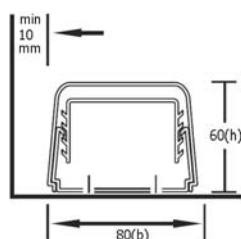
| Cat. No. | Part No. | Description             |
|----------|----------|-------------------------|
| 8002365  | 1212-BC  | Straight 2m Duct        |
| 8002367  | 1204-GC  | Cover Joint             |
| 8002370  | 1205-AI  | Internal Corner         |
| 8002373  | 1206-AE  | External Corner         |
| 8002376  | 1207-CP  | Plane Curve             |
| 8002378  | 1209-CM  | Corner Wall Elbow       |
| 8002381  | 1210-PM  | Wall Passage            |
| 8002384  | 1213-DT  | "T" Shunt               |
| 8002385  | 1280-RI  | Reduction 110mm to 80mm |
| 8002387  | 1203-ST  | Fast Block              |

### Accessories

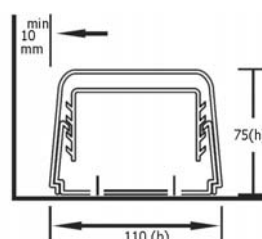
|         |         |                       |
|---------|---------|-----------------------|
| 8002388 | 0341-TS | Cap for Floor Support |
| 8002397 | 0016-TU | Drain Pipe 16mm       |
| 8002393 | 1000-SP | Drain "Y" Joint       |
| 8002389 | 0350-SP | Floor Support 350mm   |
| 8002390 | 0450-SP | Floor Support 450mm   |
| 8002391 | 1000-SP | Floor Support 1000mm  |

### Technical Data: mm

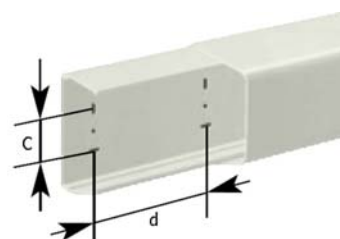
#### Type 08



#### Type 12



#### Fixing Holes



| Type | Code    | Dimensions: mm |    |    |     |
|------|---------|----------------|----|----|-----|
|      |         | b              | h  | c  | d   |
| 08   | 0812 BC | 80             | 60 | 50 | 200 |
| 12   | 1212 BC | 110            | 75 | 80 | 200 |

# smart DUCT™

## Genius.

UV resistant  
Cost efficient  
Long lasting

1

Affix base

2

Secure pipe & drains  
with Fast Block

3

Snap on cover



# Pipe Duct

## Pacific Duct

Interchangeable with most types of Japanese duct and fittings.

### Duct



| Cat. No. | Part No. | Description  | Size: mm | Carton Quantity | Pallet Quantity |
|----------|----------|--------------|----------|-----------------|-----------------|
| 2701957  | PSD7     | 2m Pipe Duct | 75       | 5               | 245             |
| 8002296  | PSD10    | 2m Pipe Duct | 100      | 5               | 180             |

### Wall Inlets



| Cat. No. | Part No. | Description             | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|-------------------------|----------|------------------------|------------------------|
| 2701959  | PSW7     | Wall Inlet              | 75       | 10                     | 60                     |
| 8002297  | PSW10    | Wall Inlet              | 100      | 10                     | 40                     |
| 2701963  | PSWA7    | Single Piece Wall Inlet | 75       | 10                     | 60                     |
| 2701966  | PSWA10   | Single Piece Wall Inlet | 100      | 10                     | 40                     |



### 90 Degree Flat Elbows

| Cat. No. | Part No. | Description          | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|----------------------|----------|------------------------|------------------------|
| 2701958  | PSK7     | 90 Degree Flat Elbow | 75       | 10                     | 60                     |
| 8002300  | PSK10    | 90 Degree Flat Elbow | 100      | 10                     | 40                     |



### 45 Degree Flat Elbows

| Cat. No. | Part No. | Description          | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|----------------------|----------|------------------------|------------------------|
| 8002302  | PSKF7    | 45 Degree Flat Elbow | 75       | 10                     | 60                     |
| 8002303  | PSKF10   | 45 Degree Flat Elbow | 100      | 10                     | 40                     |



### 90 Degree Corner Elbows

| Cat. No. | Part No. | Description            | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|------------------------|----------|------------------------|------------------------|
| 2701961  | PSC7     | 90 Degree Corner Elbow | 75       | 10                     | 60                     |
| 8002301  | PSC10    | 90 Degree Corner Elbow | 100      | 10                     | 40                     |



### Ceiling Plates

| Cat. No. | Part No. | Description   | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|---------------|----------|------------------------|------------------------|
| 2701960  | PSP7     | Ceiling Plate | 75       | 10                     | 60                     |
| 8002299  | PSP10    | Ceiling Plate | 100      | 10                     | 40                     |



### End Covers

| Cat. No. | Part No. | Description | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|-------------|----------|------------------------|------------------------|
| 8002307  | PSE7     | End Cover   | 75       | 10                     | 60                     |
| 8002308  | PSE10    | End Cover   | 100      | 10                     | 40                     |



### Joiners

| Cat. No. | Part No. | Description | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|-------------|----------|------------------------|------------------------|
| 8002311  | PSJ7     | Duct Joiner | 75       | 10                     | 60                     |
| 8002312  | PSJ10    | Duct Joiner | 100      | 10                     | 40                     |



### Flexible Joint

| Cat. No. | Part No. | Description           | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|-----------------------|----------|------------------------|------------------------|
| 8002304  | PSF75    | 500mm Flexible Joint  | 75       | 20                     | 60                     |
| 8002305  | PSF710   | 1000mm Flexible Joint | 75       | 20                     | N/A                    |
| 8002309  | PSF108   | 800mm Flexible Joint  | 100      | 20                     |                        |



### Reducer

| Cat. No. | Part No. | Description | Size: mm  | Carton Quantity: Inner |
|----------|----------|-------------|-----------|------------------------|
| 8002306  | PSDR107  | Reducer     | 75 to 100 | 10                     |



### Tee

| Cat. No. | Part No. | Description | Size: mm | Carton Quantity: Inner | Carton Quantity: Outer |
|----------|----------|-------------|----------|------------------------|------------------------|
| 8002310  | PST10    | Tee         | 100      | 5                      | 20                     |

# PVC Plastic Pipe and Fittings



## ProPipe

PVC Pipe



| Cat. No. | Part No. | Diameter: mm | Length: Mtrs | Pack Qty |
|----------|----------|--------------|--------------|----------|
| 8002400  | 15XDP21  | 15           | 2.1          | 10       |
| 8002401  | 20XDP21  | 20           |              |          |
| 8002392  | 15XCE    | 15           | 3.9          | 1        |
| 8002396  | 20XCE    | 20           |              |          |
| 8002405  | 25XCE    | 25           |              |          |

Drain Pan Adaptor



| Cat. No. | Part No.  | Diameter: mm |
|----------|-----------|--------------|
| 2700204  | 2114015NS | 15           |

## Fittings

90° Elbows



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002406  | 2103015  | 15           |
| 8002407  | 2103020  | 20           |
| 8002408  | 2103025  | 25           |

45° Elbows



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002409  | 2117015  | 15           |
| 8002410  | 2117020  | 20           |
| 8002411  | 2117025  | 25           |

Tees



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002412  | 2106015  | 15           |
| 8002413  | 2106020  | 20           |
| 8002414  | 2106025  | 25           |

Double End Socket



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002415  | 2108015  | 15           |
| 8002416  | 2108020  | 20           |
| 8002417  | 2108025  | 25           |

Reducing Socket



| Cat. No. | Part No.   | Diameter: mm | Diameter: mm |
|----------|------------|--------------|--------------|
| 8002418  | 2109020015 | 20           | 15           |
| 8002419  | 2109025015 | 25           |              |
| 8002420  | 2109025020 |              | 20           |

Reducing Bush



| Cat. No. | Part No.   | Diameter: mm | Diameter: mm |
|----------|------------|--------------|--------------|
| 8002421  | 2110020015 | 20           | 15           |
| 8002422  | 2110025015 | 25           |              |
| 8002423  | 2110025020 |              | 20           |

# PVC Plastic Pipe and Fittings

## ProPipe

### Fittings

#### Pig Tail



| Cat. No. | Part No. | Diameter: mm | Description      |
|----------|----------|--------------|------------------|
| 1503180  | PIG15    | 15           | Pig Tail Adaptor |

#### PVC Solvent Cement (Clear)



| Cat. No. | Part No. | Size: grams |
|----------|----------|-------------|
| 8002402  | NO70100  | 100         |
| 8002403  | NO70500  | 500         |

#### Male Socket



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002424  | 2112015  | 15           |
| 8002425  | 2112020  | 20           |
| 8002426  | 2112025  | 25           |

#### P/T Female Socket



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002427  | 2111015  | 15           |
| 8002428  | 2111020  | 20           |
| 8002429  | 2111025  | 25           |

#### Barrel Unions



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002434  | 2122015  | 15           |
| 8002435  | 2122020  | 20           |
| 8002436  | 2122025  | 25           |

#### Red Cap



| Cat. No. | Part No. | Description | Size: mm |
|----------|----------|-------------|----------|
| 8002430  | REDCAP   | Red Cap     | 20       |

### Pipe Fixings

#### Full Pipe Saddle (White)



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 505636   | PPS084   | 15           |
| 505637   | PPS106   | 20           |
| 505638   | PPS143   | 25           |

#### Single Sided Saddle (Zinc)



| Cat. No. | Part No. | Pipe Diam: mm |
|----------|----------|---------------|
| 3501167  | ZPC075   | 15            |
| 3501168  | ZPC100   | 20            |

#### Stand Off Bracket (White)



| Cat. No. | Part No. | Diameter: mm |
|----------|----------|--------------|
| 8002431  | PPSB075  | 15           |
| 8002432  | PPSB100  | 20           |
| 8002433  | PPSB125  | 25           |

# Condensate Traps and Accessories

## Propipe & Smartduct

### Clear Flexible PVC Tubing

Ideal for use with condensate pumps.

| Cat. No. | Part No. | Size: mm | Roll Size: m |
|----------|----------|----------|--------------|
| 3801210  | 4188504  | 6        | 30           |
| 3801220  | 4188805  | 10       |              |

### Flexible Drain Pipe

Flexible drain pipe is particularly ideal for use in domestic air conditioning condensate drain applications.

| Cat. No. | Part No. | Description                         | Brand     |
|----------|----------|-------------------------------------|-----------|
| 8002397  | 0016-TU  | Flexible Drain 16mm x 30m           | Smartduct |
| 2700611  | FDPI19   | Insulated Flexible Drain 19mm x 20m | Propipe   |

### Drain Tube Adaptors

Drain Tube Adaptors enable easy transition from clear PVC tubing to larger diameter rigid PVC or flexible drain pipe.

| Cat. No. | Part No. | Description            | Size: mm    | Pack Qty |
|----------|----------|------------------------|-------------|----------|
| 2702343  | CPK6     | Drain Tube Adaptor Kit | 6 to 15/20  | 1        |
| 2702344  | CPK10    | Drain Tube Adaptor Kit | 10 to 15/20 |          |

### Hose Clamps

Stainless steel hose clamps are ideal to use with flexible condensate pipe to ensure a long lasting tight fit.

| Cat. No. | Part No. | Description                | Size: mm |
|----------|----------|----------------------------|----------|
| 8002437  | HC1016   | Stainless Steel Hose Clamp | 10 to 16 |
| 8002438  | HC1625   |                            | 16 to 25 |
| 8002439  | HC2335   |                            | 23 to 35 |

## EZTRAP

### EZTrap Condensate Traps

#### Clear J Trap

A very versatile trap which can be used to make any angle condensate trap using 20mm ProPipe PVC fittings to suit your required needs. Due to its clear construction any blockage or obstruction can be visibly seen.

| Cat. No. | Part No. | Description  | Size: mm |
|----------|----------|--------------|----------|
| 2702388  | JTRAP    | Clear J Trap | 20       |

#### Waterless Trap

A waterless condensate trap for negative or positive pressure systems up to 18.5 kPa and 10L/min. Prevents airflow in either direction while allowing unimpeded flow of condensate water.

| Cat. No. | Part No. | Description    | Size: mm |
|----------|----------|----------------|----------|
| 2702410  | EZT150   | Waterless Trap | 20 or 25 |

#### Clear Trap

Cleanable condensate J trap for ducted air conditioners. With a visible construction and fitted with watertight caps, it's easy to open for cleaning if required.

| Cat. No. | Part No. | Description      | Size: mm |
|----------|----------|------------------|----------|
| 1402228  | EZT113   | Clear Cross Trap | 20       |

#### Overflow Switch

An overflow switch should be used to prevent expensive water damage in case a condensate drain becomes blocked. Suitable for vertical or horizontal installation configurations, they are easily installed and are complete with NO/NC contacts to control unit shut down and signal an alarm.

| Cat. No. | Part No. | Description     | Size: mm |
|----------|----------|-----------------|----------|
| 2702386  | EZT225   | Overflow Switch | 20 or 25 |

#### Flexible Brush

Allows easy cleaning of condensate traps in seconds.

| Cat. No. | Part No. | Description    |
|----------|----------|----------------|
| 8002404  | EZT406   | Flexible Brush |

# Vibration Eliminators



## Castel

Vibration Eliminators are flexible metal connectors available in standard sizes to fit copper tube. They are designed for installation in air conditioning and refrigeration piping to minimise transmission of vibration from the compressor to other parts of the system.



| Cat. No. | Part No. | Size   | Max. Working Press. kPa |
|----------|----------|--------|-------------------------|
| 8002464  | 7690/3   | 3/8"   | 3500                    |
| 8002465  | 7690/4   | 1/2"   |                         |
| 8002466  | 7690/5   | 5/8"   |                         |
| 8002467  | 7690/6   | 3/4"   |                         |
| 8002468  | 7690/7   | 7/8"   |                         |
| 8002469  | 7690/9   | 1 1/8" | 3500                    |
| 8002470  | 7690/11  | 1 3/8" |                         |
| 8002471  | 7690/13  | 1 5/8" |                         |
| 8002472  | 7690/17  | 2 1/8" |                         |
| 8002473  | 7690/21  | 2 5/8" | 2500                    |
| 8002474  | 7690/25  | 3 1/8" |                         |



# EZ TRAP<sup>®</sup>

CLEAR, CLEANABLE CONDENSATE TRAPS & OVERFLOW SWITCHES

Promotes cleaning. Prevents backup.



### Clear Trap<sup>™</sup>

Transparent trap with cleaning brush.

### Smart Trap<sup>™</sup>

Transparent trap, cleaning brush and overflow switch.

### Ultra Trap<sup>™</sup>

Transparent trap with cleaning brush.  
Eliminates standing water and freezing problems.

# Flexible Insulation

**SuperlonFR.**

## Superlon FR

Pipe & Sheet Insulation – Fire Rated

### Technical Data

|                                         |                                   |                                        |
|-----------------------------------------|-----------------------------------|----------------------------------------|
| <b>Material</b>                         | Foamed nitrile rubber             |                                        |
| <b>Manufactured by</b>                  | Armacell Australia Pty. Ltd.      |                                        |
| <b>Temperature range</b>                | -50°C to +105°C                   |                                        |
| <b>Water Vapour Permeability</b>        | u > 4,500                         | Tested according to ASTM E96           |
| <b>Water Absorption</b>                 | 0.2% by volume                    | Tested according to ASTM C209          |
| <b>Temperature conductivity K-value</b> | At 0°C 0.034 W/(m.K)              | Tested according to ASTM C518          |
|                                         | At 15°C 0.035 W/(m.K)             |                                        |
|                                         | At 23°C 0.036 W/(m.K)             |                                        |
| <b>Fire performance</b>                 | Spread of Flame Index.....0       | Tested according to AS/NZS 1530.3 1999 |
|                                         | Smoke Developed Index..3          |                                        |
| <b>Reaction to fire</b>                 | Self-extinguishing, does not drip |                                        |
| <b>Noise Reduction DIN 4109</b>         | Acoustic Level to 30db (A)        |                                        |

### R Values

“R” value or thermal resistance is a measure of the ability of a material to retard heat flow.

Thermal resistance is used in combination with numerals to designate thermal resistance values. The higher the R-value the higher the insulating value.

There are a number of instances where the R-value is specified for the selection of an insulation material and its thickness. R-values are specified in the Building Code of Australia, and in several Australian and New Zealand standards. In the BCA, the required Total R-values for pipe insulation is listed in Specification J5.4.

| Minimum R Value Requirement for Pipe Insulation |                                            |             |              |
|-------------------------------------------------|--------------------------------------------|-------------|--------------|
| System Type                                     | Nominal Pipe Size                          |             |              |
|                                                 | 15mm - 40mm                                | 41mm - 80mm | 81mm - 125mm |
| For refrigerant lines not more than 2°C         | R 1.3                                      | R 1.7       | R 2.0        |
| For refrigerant lines greater than 2°C          | Refer to BCA 2012 or NCC 2012 Section J5.4 |             |              |
| All other applications                          |                                            |             |              |

**Notes:** The given Material R-values are verified by an independent professional engineer.

For insulation in the tables on the following pages, the Total R-value can be calculated by adding 0.12 for vertical pipework and 0.13 for horizontal pipework. Total R value will be approximately 0.2 higher where reflective cladding is fitted. The above calculations assume a still-air environment. In a ventilated environment, total R-value will be increased by 0.04.

### Sheet Insulation



| Cat. No. | Part No.  | Description                 | Nominal Thickness |      | Sheet Size: m | Sheets Per Carton | R Value |
|----------|-----------|-----------------------------|-------------------|------|---------------|-------------------|---------|
|          |           |                             | mm                | Inch |               |                   |         |
| 1904656  | 9F090007  | Fire Rated Sheet Insulation | 9                 | 3/8" | 1 x 1.5       | 20                | 0.25    |
| 1904657  | 9F130007  |                             | 13                | 1/2" |               | 15                | 0.36    |
| 1904658  | 9F2711932 |                             | 19                | 3/4" |               | 10                | 0.53    |
| 1904659  | 9F250007  |                             | 25                | 1"   |               | 8                 | 0.69    |

### Sheet Insulation Rolls



| Cat. No. | Part No. | Description                 | Nominal Thickness |      | Roll Size: m | R Value |
|----------|----------|-----------------------------|-------------------|------|--------------|---------|
|          |          |                             | mm                | Inch |              |         |
| 1904660  | 9F1300CS | Fire Rated Sheet Insulation | 13                | 1/2" | 1 x 8        | 0.25    |
| 1904661  | 9F1900CS |                             | 19                | 3/4" | 1 x 6        | 0.36    |
| 1904773  | 9F2500CS |                             | 25                | 1"   | 1 x 4        | 0.53    |

**SuperlonFR.**

# Flexible Insulation

## Superlon FR

Pipe &amp; Sheet Insulation – Fire Rated

### Pipe Insulation



| Insulation ID |        | 9mm Wall |                    |         | 13mm Wall |                    |         | 19mm Wall |                    |         |
|---------------|--------|----------|--------------------|---------|-----------|--------------------|---------|-----------|--------------------|---------|
| mm            | Inch   | Cat. No. | Lengths Per Carton | R Value | Cat. No.  | Lengths Per Carton | R Value | Cat. No.  | Lengths Per Carton | R Value |
| 6             | 1/4"   | 1904199  | 105                | 0.46    | 1904299   | 50                 | 0.74    | 1904379   | 54                 | 1.22    |
| 10            | 3/8"   | 1904200  | 84                 | 0.40    | 1904300   |                    | 0.64    | 1904380   | 50                 | 1.05    |
| 12            | 1/2"   | 1904205  | 60                 | 0.38    | 1904305   | 40                 | 0.61    | 1904381   | 42                 | 0.99    |
| 15            | 5/8"   | 1904210  | 50                 | 0.36    | 1904310   | 36                 | 0.57    | 1904382   | 36                 | 0.93    |
| 20            | 3/4"   | 1904215  | 44                 | 0.34    | 1904315   | 32                 | 0.53    | 1904383   |                    | 0.86    |
| 22            | 7/8"   | 1904220  | 40                 | 0.33    | 1904320   | 28                 | 0.52    | 1904384   | 30                 | 0.84    |
| 25            | 1"     | 1904225  | 35                 | 0.32    | 1904325   | 23                 | 0.51    | 1904385   |                    | 0.81    |
| 28            | 1 1/8" | 1904231  | 28                 |         | 1904331   | 43                 | 0.49    | 1904386   | 25                 | 0.79    |
| 32            | 1 1/4" | 1904240  | 25                 | 0.31    | 1904340   | 35                 | 0.48    | 1904387   | 20                 | 0.76    |
| 35            | 1 3/8" | 1904245  | 45                 |         | 1904345   | 33                 | 0.47    | 1904388   |                    | 0.75    |
| 40            | 1 1/2" | 1904248  | 40                 | 0.30    | 1904350   | 30                 | 0.46    | 1904422   | 18                 | 0.72    |
| 42            | 1 5/8" | 1904250  | 36                 |         | 1904355   | 24                 |         | 1904389   | 16                 |         |
| 50            | 2"     | 1904255  | 25                 | 0.29    | 1904365   | 20                 | 0.44    | 1904390   | 0.69               |         |
| 54            | 2 1/8" | 1904251  |                    |         | 1904366   |                    |         | 1904391   | 12                 | 0.68    |
| 60            | 2 3/8" | 1904258  | 20                 | 0.28    | 1904370   | 16                 | 0.43    | 1904392   | 9                  | 0.67    |
| 67            | 2 5/8" | 1904256  |                    |         | 1904371   | 15                 | 0.42    | 1904393   | 0.66               |         |
| 76            | 3"     | 1904257  | 16                 | 1904372 | 14        | 1904394            |         | 8         | 0.64               |         |
| 80            | 3 1/8" | 1904259  | 18                 | 1904369 | 12        | 0.41               | 1904395 | 7         |                    |         |
| 89            | 3 1/2" |          |                    | 1904373 |           |                    | 1904483 | 0.63      |                    |         |
| 101           | 3 7/8" |          |                    |         | 1904375   | 8                  | 0.40    | 1904396   | 6                  | 0.62    |
| 114           | 4 1/2" |          |                    |         | 1904376   | 6                  |         | 1904397   | 0.61               |         |

| Insulation ID |        | 25mm Wall |                    |         | 32mm Wall |                    |         | 38mm Wall |                    |         |      |      |
|---------------|--------|-----------|--------------------|---------|-----------|--------------------|---------|-----------|--------------------|---------|------|------|
| mm            | Inch   | Cat. No.  | Lengths Per Carton | R Value | Cat. No.  | Lengths Per Carton | R Value | Cat. No.  | Lengths Per Carton | R Value |      |      |
| 6             | 1/4"   |           |                    |         |           |                    |         |           |                    |         |      |      |
| 10            | 3/8"   | 1904398   | 30                 | 1.49    |           |                    |         |           |                    |         |      |      |
| 12            | 1/2"   | 1904399   |                    | 1.41    | 1904311   | 16                 | 1.90    |           |                    |         |      |      |
| 15            | 5/8"   | 1904402   | 25                 | 1.32    | 1904312   |                    | 15      | 1.80      | 1904336            | 10      | 2.30 |      |
| 20            | 3/4"   | 1904403   |                    | 1.22    | 1904313   | 1.70               |         | 1904337   | 2.10               |         |      |      |
| 22            | 7/8"   | 1904404   | 20                 | 1.19    | 1904314   | 12                 | 1.60    | 1904338   | 8                  | 1.70    |      |      |
| 25            | 1"     | 1904407   |                    | 1.14    | 1904316   |                    |         | 1904339   |                    |         | 2.00 |      |
| 28            | 1 1/8" | 1900000   | 16                 | 1.11    | 1904317   | 11                 | 1.50    | 1904341   | 6                  | 1.60    |      |      |
| 32            | 1 1/4" | 1904409   |                    | 1.07    | 1904318   |                    |         | 1904342   |                    |         | 1.80 |      |
| 35            | 1 3/8" | 1904401   | 15                 | 1.05    | 1904319   | 8                  | 1.40    | 1904343   | 5                  | 1.40    |      |      |
| 40            | 1 1/2" | 1904423   |                    | 1.01    | 1904321   |                    |         | 1904344   |                    |         | 1.50 |      |
| 42            | 1 5/8" | 1904405   | 12                 | 1.00    | 1904322   | 7                  | 1.30    | 1904346   | 4                  | 1.50    |      |      |
| 50            | 2"     | 1904429   | 9                  | 0.96    | 1904323   | 5                  |         | 1904347   |                    |         | 3    | 1.30 |
| 54            | 2 1/8" | 1904410   |                    | 0.95    | 1904324   |                    |         | 1904348   |                    |         |      |      |
| 60            | 2 3/8" | 1904470   | 8                  | 0.93    | 1904326   | 4                  | 1.20    | 1904349   | 3                  | 1.30    |      |      |
| 67            | 2 5/8" | 1904415   |                    | 0.91    | 1904327   |                    |         | 1904351   |                    |         | 1.40 |      |
| 76            | 3"     | 1904472   | 5                  | 0.88    | 1904328   | 5                  | 1.10    | 1904352   | 3                  | 1.30    |      |      |
| 80            | 3 1/8" | 1904473   |                    |         | 1904329   |                    |         | 1904353   |                    |         | 1.40 |      |
| 89            | 3 1/2" | 1904474   | 4                  | 0.86    | 1904332   | 4                  | 1.10    | 1904354   | 3                  | 1.30    |      |      |
| 101           | 3 7/8" | 1904475   |                    | 0.84    | 1904333   |                    |         | 1904356   |                    |         | 1.40 |      |
| 114           | 4 1/2" | 1904476   |                    | 0.83    | 1904334   |                    |         | 1904357   |                    |         | 1.30 |      |

Pipe Insulation is sold in 2 metre lengths

All dimensions are nominal

# Flexible Insulation

## Thermobreak

**THERMOBREAK™**  
Thermal Insulation



### Pipe Insulation

Thermobreak is preformed tube insulation for steel and copper pipes. It is made from physically cross linked (irradiation) closed-cell, polyolefin foam, factory bonded to pure, reinforced aluminium foil. With a lower thermal conductivity than any other flexible insulation material, almost zero vapour permeability, and its all-in-one concept, Thermobreak provides superior energy saving performance, fast and simple installation, and trouble-free operation in a variety of environments.

#### Features

- Physically (irradiation) cross linked foam
- Fire rated - tested to AS/NZS 1530.3 - 1999
- Green Building Compliant
- Zero Global Warming Potential (GWP)
- Engineered cell size for optimum insulation performance
- Made without Ozone destroying agents such as CFCs or HCFCs
- Best insulation of any flexible insulation materials ( 0.032 W/mK) @ 23°C
- Better vapour permeability resistance than any other flexible insulation material
- Critical insulation performance factors such as thermal conductivity, vapour permeability, as well as fire performance, smoke density and toxicity are tested and certified by independent laboratories
- No additional vapour barriers or coatings required
- Certified to international Fire and Smoke standards
- Certified Green Star product (VOC)
- Non fibrous, will not allow bacterial growth

| Minimum R Value Requirement for Pipe Insulation - Class 2 to Class 9 Buildings (Applications other than domestic houses) |                                            |             |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------|
| System Type                                                                                                              | Nominal Pipe Size                          |             |
|                                                                                                                          | 15mm – 40mm                                | 41mm – 80mm |
| For refrigerant lines not more than 2°C                                                                                  | R 1.3                                      | R 1.7       |
| For refrigerant lines greater than 2°C                                                                                   | Refer to BCA 2010 or NCC 2011 Section J5.4 |             |
| All other applications                                                                                                   |                                            |             |

| Insulation ID |        | 25mm Wall |              |         | 30mm Wall |              |         | 40mm Wall |              |         | 50mm Wall |              |         |
|---------------|--------|-----------|--------------|---------|-----------|--------------|---------|-----------|--------------|---------|-----------|--------------|---------|
| mm            | Inch   | Cat. No.  | Pcs. Per Bag | R Value | Cat. No.  | Pcs. Per Bag | R Value | Cat. No.  | Pcs. Per Bag | R Value | Cat. No.  | Pcs. Per Bag | R Value |
| 6             | 1/4"   | 1901101   | 60           | 1.95    |           |              |         |           |              |         |           |              |         |
| 10            | 3/8"   | 1901102   |              | 1.73    |           |              |         |           |              |         |           |              |         |
| 13            | 1/2"   | 1904910   |              | 1.59    | 1901072   | 40           | 2.02    | 1901103   | 25           | 2.93    |           |              |         |
| 16            | 5/8"   | 1904911   | 50           | 1.49    | 1901073   |              | 1.89    | 1904952   |              | 2.74    |           |              |         |
| 20            | 3/4"   | 1904912   |              | 1.39    | 1901074   |              | 1.76    | 1904953   |              | 2.55    | 1904969   | 20           | 3.41    |
| 22            | 7/8"   | 1904913   | 40           | 1.33    | 1901075   | 30           | 1.69    | 1904954   | 20           | 2.44    | 1901111   | 15           | 3.27    |
| 25            | 1"     | 1904914   |              | 1.29    | 1901076   |              | 1.63    | 1904955   |              | 2.35    | 1904970   |              | 3.14    |
| 27            | 1 1/8" | 1904915   |              | 1.26    | 1901077   |              | 1.59    | 1904956   |              | 2.3     | 1901112   |              | 3.07    |
| 32            | 1 1/4" | 1904916   | 35           | 1.21    | 1901078   | 25           | 1.52    | 1904957   | 15           | 2.19    | 1904971   | 12           | 2.92    |
| 34            | 1 3/8" | 1904917   |              | 1.19    | 1901079   |              | 1.49    | 1904958   |              | 2.16    | 1901113   |              | 2.87    |
| 38            | 1 1/2" | 1904918   |              | 1.15    | 1901080   |              | 1.45    | 1904959   |              | 2.09    | 1904972   |              | 2.78    |
| 42            | 1 5/8" | 1904919   | 30           | 1.13    | 1901081   | 20           | 1.41    | 1904960   | 12           | 2.03    | 1901114   | 10           | 2.7     |
| 48            | 1 7/8" | 1904920   |              | 1.09    | 1901082   |              | 1.37    | 1901104   |              | 1.96    |           |              |         |
| 51            | 2"     | 1904921   |              | 1.08    | 1901083   | 15           | 1.36    | 1904961   |              | 1.94    | 1904973   |              | 2.57    |
| 54            | 2 1/8" | 1904949   | 25           | 1.07    | 1901084   |              | 1.33    | 1904962   | 10           | 1.9     | 1901115   | 7            | 2.52    |
| 60            | 2 3/8" | 1904922   |              | 1.04    | 1901085   |              | 1.3     | 1901105   |              | 1.85    | 1901116   |              | 2.45    |
| 64            | 2 1/2" | 1904923   |              | 1.03    | 1901086   | 14           | 1.28    | 1904963   |              | 1.82    | 1904974   |              | 2.41    |
| 67            | 2 5/8" | 1904924   | 20           | 1.02    | 1901087   |              | 1.27    | 1901106   | 7            | 1.8     | 1901117   | 5            | 2.38    |
| 76            | 3"     | 1904925   |              | 1       | 1901088   |              | 1.24    | 1904964   |              | 1.75    | 1904975   |              | 2.31    |
| 89            | 3 1/2" | 1904926   | 15           | 0.97    | 1901089   | 12           | 1.2     | 1901107   |              | 1.69    | 1901118   |              | 2.22    |
| 102           | 4"     | 1904927   | 10           | 0.95    | 1901090   | 8            | 1.17    | 1904965   | 6            | 1.65    | 1904976   | 4            | 2.16    |
| 115           | 4 1/2" | 1901097   |              | 0.93    | 1901091   |              | 1.15    | 1901108   |              | 1.61    | 1901119   |              | 2.11    |
| 127           | 5"     | 1904950   |              | 0.92    | 1901092   |              | 1.13    | 1904966   |              | 1.58    | 1904977   |              | 2.06    |
| 140           | 5 1/2" | 1901098   | 7            | 0.91    | 1901093   | 6            | 1.11    | 1901109   | 4            | 1.55    | 1901120   | 3            | 2.02    |
| 152           | 6"     | 1904951   |              | 0.9     | 1901094   |              | 1.1     | 1904967   |              | 1.53    | 1904978   |              | 1.99    |
| 168           | 6 1/2" | 1901099   |              | 0.89    | 1901095   |              | 1.09    | 1901110   |              | 1.51    | 1901121   |              | 1.96    |
| 204           | 8"     | 1901100   | 6            | 0.87    | 1901096   | 4            | 1.06    | 1904968   |              | 1.47    | 1904979   |              | 1.9     |

Pipe Insulation Sold in 2 metre Lengths Note: All dimensions are nominal

# Flexible Insulation

**Armaflex®**

## Armaflex

### 520 Adhesive

Armaflex 520 is a general purpose, quick drying adhesive for the joining of Armaflex pipe and sheet insulation. When applied to clean and prepared surfaces, and fully cured, it maintains a high resistance to water vapour.



| Cat. No. | Part No.      | Description           | Container Size |
|----------|---------------|-----------------------|----------------|
| 1904489  | IESAA00716500 | Armaflex 520 Adhesive | 500ml          |
| 1904496  | IESAA00714500 | Armaflex 520 Adhesive | 1 litre        |
| 1904488  | IESAA00714505 | Armaflex 520 Adhesive | 5 litre        |

**Bostik**

## Bostik

### Insulation Adhesive

An air-drying contact adhesive that is excellent for joining seams and butt joints of Superlon Pipe and Sheet Insulation. The adhesive may also be used to apply Superlon Sheet Insulation to flat or curved metal surfaces.



| Cat. No. | Size                                                |
|----------|-----------------------------------------------------|
| 4902956  | 500ml Tin                                           |
| 4902958  | 1 Litre Tin                                         |
| 1901064  | 4 Litre Tin                                         |
| 4801940  | 25mm Plastic Handled Brush for Adhesive Application |

**SuperlonFR.**

## Superlon FR

### Foam Insulation Tape

Prevents pipe sweat, can also be used to reduce heat loss on hot pipes below 70°C. Easily cut in pieces and moulded around fittings and valves, saving the higher cost of specially cast forms. Adheres to clean metal surfaces and to itself. Wrap tape in a spiral around pipe. Butt the edges so that no metal is showing. For quicker application, overlap by approximately 6mm is suggested. Overlap the tape half its width for a double layer application. Avoid single layer butt edge wrapping on dual temperature or heated lines.

Irregular shapes can be insulated by pressing small pieces of tape around fittings.



| Cat. No. | Nominal Size                          |
|----------|---------------------------------------|
| 1901062  | 3mm thick x 50mm wide 9.14m long roll |

**insulflex®**

## Insulflex

### Cork Insulation Tape

Cork Insulation Tape may be used for either hot or cold temperature application, provided that its service temperature range of -29° to 70°C is not exceeded. Used on pipes or tubes, in commercial or residential building, air conditioning units, refrigerated units and in other similar applications.

The thickness of the insulation required for cold pipes depends on the pipe temperature – the colder the pipe, the thicker the insulation needed. High humidities also make necessary a thicker insulation.

Cork Insulation Tape is economical for heat and humidity loads which require up to 6 or 7 wrappings. Since it can be cut in pieces and moulded around fittings and valves, it saves the higher cost of special cast forms for these uses. Cements or supplemental binds are not required. Adheres to clean metal surfaces and to itself; joints are self sealing.



| Cat. No. | Part No. | Nominal Size                          |
|----------|----------|---------------------------------------|
| 1901061  | VCT2     | 3mm thick x 50mm wide 9.14m long roll |

# Check Valves



## Castel 3112 Series – Male Flare

Vertical Mounting preferred, with Arrow Upward



| Cat. No. | Part No. | Size: M. Flare | Kv Factor m3/hr | Pressure Diff kPa (2) | Fluid Temp. °C | Max Press. kPa |
|----------|----------|----------------|-----------------|-----------------------|----------------|----------------|
| 2708146  | 3112/2   | 1/4"           | 0.4             | 10                    | -40 to 120     | 4500           |
| 2708147  | 3112/3   | 3/8"           | 1.6             |                       |                |                |
| 2708148  | 3112/4   | 1/2"           | 1.8             |                       |                |                |
| 2708149  | 3112/5   | 5/8"           | 3.3             |                       |                |                |
| 2708150  | 3112/6   | 3/4"           | 3.3             |                       |                |                |

## 3132 Series – Female Solder – Extended Ends

Vertical Mounting preferred, with Arrow Upward



| Cat. No. | Part No. | Size: Solder | Kv Factor m3/hr | Pressure Diff kPa (2) | Fluid Temp. °C | Max Press. kPa |
|----------|----------|--------------|-----------------|-----------------------|----------------|----------------|
| 2708167  | 3132/2   | 1/4"         | 0.5             | 10                    | -40 to 120     | 4500           |
| 2708168  | 3132/3   | 3/8"         | 1.6             |                       |                |                |
| 2708169  | 3132/4   | 1/2"         | 1.8             |                       |                |                |
| 2708170  | 3132/5   | 5/8"         | 3.3             |                       |                |                |

## 3120 Series – Female Solder

For Horizontal Mounting Only



| Cat. No. | Part No. | Size: Solder | Kv Factor m3/hr | Pressure Diff kPa (2) | Fluid Temp. °C | Max Pressure kPa |
|----------|----------|--------------|-----------------|-----------------------|----------------|------------------|
| 2708152  | 3122/7   | 7/8"         | 6.6             | 10                    | -40 to 120     | 4500             |
| 2708153  | 3122/9   | 1 1/8"       | 8.8             |                       |                |                  |
| 2708154  | 3122/11  | 1 3/8"       | 15.2            |                       |                |                  |
| 2708165  | 3122/13  | 1 5/8"       | 25              |                       |                |                  |
| 2708166  | 3122/17  | 2 1/8"       | 40              |                       |                |                  |

(1) kv factor is the water flow in m3/hr at a pressure drop across the valve of 100 kPa

(2) PD = the minimum pressure difference at which the valve is completely open



## Danfoss NRV Series

Male Flare

| Cat. No. | Model No. | Part No. | Size: Male Flare | Version  | Kv Factor: m3/hr (1) | Pressure Diff: kPa (2) | Fluid Temp.°C | Max Press: kPa |
|----------|-----------|----------|------------------|----------|----------------------|------------------------|---------------|----------------|
| 2704770  | NRV6      | 020-1040 | 1¼"              | Straight | 0.56                 | 7                      | -50 to 140    | 4600           |
| 2704771  | NRV10     | 020-1041 | 3⁄8"             |          | 1.43                 |                        |               |                |
| 2704772  | NRV12     | 020-1042 | 1½"              |          | 2.05                 | 5                      |               |                |
| 2704773  | NRV16     | 020-1043 | 5⁄8"             |          | 3.6                  |                        |               |                |

Female Solder



| Cat. No. | Model No. | Part No. | Size: Solder | Version  | Kv Factor:<br>m3/hr (1) | Pressure Diff:<br>kPa (2) | Fluid<br>Temp.°C | Max Press:<br>kPa |
|----------|-----------|----------|--------------|----------|-------------------------|---------------------------|------------------|-------------------|
| 2704775  | NRV6S     | 020-1010 | 1/4"         | Straight | 0.56                    | 7                         | -50 to 140       | 4600              |
| 2704776  | NRV10S    | 020-1011 | 3/8"         |          | 1.43                    |                           |                  |                   |
| 2704777  | NRV12S    | 020-1012 | 1/2"         |          | 2.05                    | 5                         |                  |                   |
| 2704778  | NRV16S    | 020-1018 | 5/8"         |          | 3.6                     |                           |                  |                   |
| 2704780  | NRV22S    | 020-1020 | 7/8"         | Angle    | 8.5                     | 4                         |                  |                   |
| 2706527  | NRV28S    | 020-1021 | 1 1/8"       |          | 19                      |                           |                  |                   |
| 2706529  | NRV35S    | 020-1026 | 1 3/8"       |          | 29                      |                           |                  |                   |

(1) kv factor is the water flow in m3/hr at a pressure drop across the valve of 100 kPa

(2) PD = the minimum pressure difference at which the valve is completely open

# Liquid and Moisture Indicators



## Castel

Male Flare



| Cat. No. | Part No. | Description            | Connections |
|----------|----------|------------------------|-------------|
| 2708096  | 3910-22  | Male Flare Sight Glass | 1/4"        |
| 2708097  | 3910-33  |                        | 3/8"        |
| 2708098  | 3910-44  |                        | 1/2"        |
| 2708099  | 3910-55  |                        | 5/8"        |
| 2708100  | 3910-66  |                        | 3/4"        |

Male x Female Flare

| Cat. No. | Part No. | Description                     | Connections |
|----------|----------|---------------------------------|-------------|
| 2708101  | 3950-22  | Male x Female Flare Sight Glass | 1/4"        |
| 2708102  | 3950-33  |                                 | 3/8"        |
| 2708103  | 3950-44  |                                 | 1/2"        |
| 2708104  | 3950-55  |                                 | 5/8"        |

Solder



| Cat. No. | Part No. | Description        | Connections: ODF |
|----------|----------|--------------------|------------------|
| 2708106  | 3940-2   | Solder Sight Glass | 1/4"             |
| 2708107  | 3940-3   |                    | 3/8"             |
| 2708108  | 3940-4   |                    | 1/2"             |
| 2708109  | 3940-5   |                    | 5/8"             |
| 2708110  | 3940-6   |                    | 3/4"             |
| 2708111  | 3940-7   |                    | 7/8"             |
| 2708112  | 3940-9   |                    | 1 1/8"           |



## Danfoss

Male Flare



| Cat. No. | Part No. | Model No. | Description            | Connections |
|----------|----------|-----------|------------------------|-------------|
| 2704754  | 014L0161 | SGPN6     | Male Flare Sight Glass | 1/4"        |
| 2704755  | 014L0162 | SGPN10    |                        | 3/8"        |
| 2704756  | 014L0163 | SGPN12    |                        | 1/2"        |
| 2704757  | 014L0165 | SGPN16    |                        | 5/8"        |
|          | 014L0166 | SGPN19    |                        | 3/4"        |

Male x Female Flare



| Cat. No. | Part No. | Model No. | Description                     | Connections |
|----------|----------|-----------|---------------------------------|-------------|
| 2704765  | 014L0171 | SGPN6     | Male x Female Flare Sight Glass | 1/4"        |
| 2704766  | 014L0172 | SGPN10    |                                 | 3/8"        |
| 2704767  | 014L0173 | SGPN12    |                                 | 1/2"        |
| 2704768  | 014L0174 | SGPN16    |                                 | 5/8"        |
|          | 014L0175 | SGPN19    |                                 | 3/4"        |

Solder



| Cat. No. | Part No. | Model No. | Description        | Connections: ODF |
|----------|----------|-----------|--------------------|------------------|
| 2704759  | 014L0181 | SGPN6S    | Solder Sight Glass | 1/4"             |
| 2704760  | 014L0182 | SGPN10S   |                    | 3/8"             |
| 2704761  | 014L0183 | SGPN12S   |                    | 1/2"             |
| 2704762  | 014L0184 | SGPN16S   |                    | 5/8"             |
| 2704763  | 014L0185 | SGPN19S   |                    | 3/4"             |
| 2704764  | 014L0186 | SGPN22S   |                    | 7/8"             |
| 2706668  | 014L0187 | SGPN22S   |                    | 1 1/8"           |

# Liquid and Moisture Indicators



## Alco

### Male Flare

| Cat. No. | Part No. | Model No. | Description            | Connections |
|----------|----------|-----------|------------------------|-------------|
| 2708117  | 65391    | HMI-1-MM2 | Male Flare Sight Glass | 1/4"        |
| 2708118  | 65392    | HMI-1-MM3 |                        | 3/8"        |
| 2708119  | 65393    | HMI-1-MM4 |                        | 1/2"        |
| 2708120  | 65394    | HMI-1-MM5 |                        | 5/8"        |
| 2708121  | 65395    | HMI-1-MM6 |                        | 3/4"        |

### Male x Female Flare

| Cat. No. | Part No. | Model No. | Description                     | Connections |
|----------|----------|-----------|---------------------------------|-------------|
| 2708129  | 65396    | HMI-1-FM2 | Male x Female Flare Sight Glass | 1/4"        |
| 2708130  | 65397    | HMI-1-FM3 |                                 | 3/8"        |
| 2708131  | 65398    | HMI-1-FM4 |                                 | 1/2"        |

### Male x Female Swivel Flare

| Cat. No. | Part No. | Model No. | Description                            | Connections |
|----------|----------|-----------|----------------------------------------|-------------|
| 217315   | 65399    | HMI-1-MU2 | Male x Female Swivel Flare Sight Glass | 1/4"        |
| 217316   | 65400    | HMI-1-MU3 |                                        | 3/8"        |
| 2708132  | 65401    | HMI-1-MU4 |                                        | 1/2"        |
| 217318   | 65402    | HMI-1-MU5 |                                        | 5/8"        |

### Solder

| Cat. No. | Part No. | Model No. | Description        | Connections: ODF |
|----------|----------|-----------|--------------------|------------------|
| 2708122  | 65405    | HMI-1-TT2 | Solder Sight Glass | 1/4"             |
| 2708123  | 65406    | HMI-1-TT3 |                    | 3/8"             |
| 2708124  | 65407    | HMI-1-TT4 |                    | 1/2"             |
| 2708125  | 65408    | HMI-1-TT5 |                    | 5/8"             |
| 2708126  | 65409    | HMI-1-TT6 |                    | 3/4"             |
| 2708127  | 65410    | HMI-1-TT7 |                    | 7/8"             |
| 2708128  | 65411    | HMI-1-TT9 |                    | 1 1/8"           |

# Sealants



## Bostik

### Silicones

Z Bond 7E is a DIY grade roof & gutter silicone.

| Cat. No. | Part No. | Description        | Size           | Colour      |
|----------|----------|--------------------|----------------|-------------|
| 2708938  | 762440   | DIY Grade Silicone | 300g Cartridge | Translucent |

Plumfix is a trade quality industrial grade roof & gutter silicone.

| Cat. No. | Part No. | Description               | Size           | Colour      |
|----------|----------|---------------------------|----------------|-------------|
| 2708939  | 306932   | Industrial Grade Silicone | 300g Cartridge | Translucent |

### Adhesives & Sealants

No More Nails is a general-purpose adhesive and sealant for interior or exterior general construction work.

| Cat. No. | Part No. | Description   | Size           | Colour |
|----------|----------|---------------|----------------|--------|
| 4902982  | 2708003  | No More Nails | 320g Cartridge | Beige  |

Firecaulk is a fire rated general purpose product for construction joints and the sealing of service penetrations in plasterboard, concrete floors and masonry wall constructions.

| Cat. No. | Part No. | Description | Size           | Colour |
|----------|----------|-------------|----------------|--------|
| 1903636  | 245410   | Firecaulk   | 480g Cartridge | White  |

Flex-E-Duct II is an acrylic (water based) fire rated polymer sealing compound for sealing around duct work.

| Cat. No. | Part No. | Description | Size           | Colour |
|----------|----------|-------------|----------------|--------|
| 4903061  | 205990   | Flex-E-Duct | 450g Cartridge | Grey   |

Heat Transfer Sealant is designed specifically for the refrigeration industry, as an odourless, non-staining sealing compound.

| Cat. No. | Part No. | Description                | Size           | Colour |
|----------|----------|----------------------------|----------------|--------|
| 4903804  | 042951   | 1128 Heat Transfer Sealant | 480g Cartridge | Grey   |
| 2708965  | 131504   | 5603 Heat Transfer Sealant | 20kg Drum      |        |

Non Skinning Mastic 5612 is specifically formulated as a bedding or gasket style sealant.

| Cat. No. | Part No. | Description                       | Size           | Colour |
|----------|----------|-----------------------------------|----------------|--------|
| 4930536  | 170526   | 5612 Non Skinning Coolroom Mastic | 450g Cartridge | White  |

### Cleaners

Handi-Clean towels are a waterless, pre-moistened, disposable anti-bacterial cleaning towel that are tough on dirt, gentle on hands and leaves no residue so does not require to be rinsed off or dried.

| Cat. No. | Part No. | Description                |
|----------|----------|----------------------------|
| 1906095  | 257753   | Handi-Clean Towels 90 pack |

### Caulking Guns

| Cat. No. | Part No. | Description        |
|----------|----------|--------------------|
| 4903957  | 174882   | Trade Skeleton Gun |



## Highside

### Leak Lock – Flexible Joint Sealer

Leak Lock is a soft setting, pipe joint compound. It is a resin based, brushable paste that seals by adhering to internal joint surfaces and by filling joint voids. Use it to seal threaded joints, flange joints, gasket surfaces and all mating surfaces.

| Cat. No. | Part No. | Size      |
|----------|----------|-----------|
| 2700450  | 10001    | 39ml tube |



## La-Co

### Heat-Seal Stik

Seals small leaks instantly. Withstands refrigerants, oil, gas, water, air, chemicals, solvents. Use on pressure and vacuum systems.

| Cat. No. | Part No. | Size |
|----------|----------|------|
| 2701802  | 11575    | 11g  |

## Sealants



### La-Co

#### PTFE Pipe Thread Tape

| Cat. No. | Size                 |
|----------|----------------------|
| 1903724  | 13mm x 10 metre roll |

### Virginia

#### Permagum Sealing Compound



| Cat. No. | Part No. | Size                            |
|----------|----------|---------------------------------|
| 2708955  | PP22     | 900 gram (2 lb.)                |
| 2708956  | PP36     | 3/8" Cords - 6 metre (20') roll |

## Tapes

#### 204E Duct Tape



| Cat. No. | Part No.   | Description | Width: mm | Length: Metres | Colour | Qty: Sleeve | Qty: Carton |
|----------|------------|-------------|-----------|----------------|--------|-------------|-------------|
| 1906014  | 204E BLACK | Duct Tape   | 48        | 30             | Black  | 4           | 64          |
| 1906000  | 204        |             |           |                | Silver |             |             |
| 1905995  | 204E WHITE |             |           |                | White  |             |             |

#### 288EFR Flame Retardant Duct Tape



| Cat. No. | Part No.      | Description               | Width: mm | Length: Metres | Colour | Qty: Sleeve | Qty: Carton |
|----------|---------------|---------------------------|-----------|----------------|--------|-------------|-------------|
| 2708944  | 288EFR BLACK  | Flame Retardant Duct Tape | 48        | 30             | Black  | 4           | 64          |
| 2708945  | 288EFR SILVER |                           |           |                | Silver |             |             |

#### Asset PVC Duct Tape



| Cat. No. | Width | Length | Colour |
|----------|-------|--------|--------|
| 1906009  | 50 mm | 30 m   | Black  |
| 2701726  |       |        | White  |
| 1906007  | 72 mm |        | Grey   |
| 2708950  |       |        |        |

#### Electrical Insulation Tape



| Cat. No. | Colour       | Pack Qty |
|----------|--------------|----------|
| 4103200  | Black        | 1        |
| 2708958  | Red          | 10       |
| 2708959  | Blue         |          |
| 2708960  | Black        |          |
| 2708961  | White        |          |
| 2708962  | Green/Yellow |          |
| 2708963  | Mixed        |          |



#### Abrasive Cloth Tape

| Cat. No. | Grit No. | Width | Length                                |
|----------|----------|-------|---------------------------------------|
| 2750298  | 100      | 25mm  | 50 meters (sold per meter or by roll) |
| 2750297  | 180      |       |                                       |

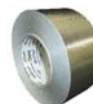


### Precision

#### Aluminium Foil Tape

| Cat. No. | Width | Length    |
|----------|-------|-----------|
| 2708953  | 24mm  | 45 metres |
| 3900838  | 48mm  | 50 metres |
| 3900839  | 72mm  |           |
| 2708954  | 96mm  |           |

#### Reinforced Foil Tape



| Cat. No. | Width | Length    |
|----------|-------|-----------|
| 2708948  | 48mm  | 50 metres |
| 2708947  | 72mm  |           |

# Refrigeration Hardware



## CRH

### Evaporator Mounting Kits



| Cat. No. | Part No. | Description             | Material  | Suits Panel Thickness | Kit Contents                                  |
|----------|----------|-------------------------|-----------|-----------------------|-----------------------------------------------|
| 2708936  | CRH-600K | Evaporator Mounting Kit | 6.6 Nylon | 50-100mm              | 4 x Mushroom Bolts<br>8 x Nuts<br>4 x Washers |
| 2708937  | CRH-610K |                         |           | 50-200mm              |                                               |

### Nylon M6 Bolt, Nut & Washer Set



| Cat. No. | Part No. | Description                 | Material | Suits Panel Thickness | Kit Contents                      |
|----------|----------|-----------------------------|----------|-----------------------|-----------------------------------|
| 2709075  | NM6BNW   | Nylon M6 Bolt, Nut & Washer | Nylon    | 50-180mm              | 1x Nylon Bolt<br>1x Nuts & Washer |

### Shelf Support Strip and Clips



| Cat. No. | Part No. | Description                    | LENGTH      |
|----------|----------|--------------------------------|-------------|
| 2708927  | SS3      | Adjustable Shelf Support Strip | 914mm (3')  |
| 2708928  | SS4      |                                | 1219mm (4') |
| 2708929  | SS5      |                                | 1524mm (5') |
| 2708930  | SS6      |                                | 1829mm (6') |
| 2708931  | SC       | Plain Clips                    |             |
| 2708932  | SCL      | Clips with Lug                 |             |

### Allthread Brass Rod, Nuts and Washers



| Cat. No. | Description                    | Size                         |
|----------|--------------------------------|------------------------------|
| 2708933  | Threaded Brass Rod (Whitworth) | 3/8" Dia. x 914 mm (3') long |
| 2708934  | Brass Nuts (Whitworth)         | 3/8"                         |
| 2708935  | Brass Washers                  |                              |

### Mushroom Caps



| Cat. No. | Description | Size                                            |
|----------|-------------|-------------------------------------------------|
| 2712820  | CSD-10      | Mushroom Cap. 10mm Thread. 62mm Washer Embedded |
| 2709065  | CSD-12      | Mushroom Cap. 12mm Thread. 62mm Washer Embedded |

### Interior Light Globes



| Cat. No. | Connection    | Watts | Volts | Type  |
|----------|---------------|-------|-------|-------|
| 2708940  | Bayonet       | 15    | 240   | Pilot |
| 2708941  | Screw         |       |       |       |
| 2708942  | Small Bayonet |       |       |       |
| 2708943  | Small Screw   |       |       |       |

# Refrigeration Hardware



## Kason

### Safety Latches & Strikes

#### K56 Series



| Cat. No. | Part No.  | Description                     |                   | Finish        |
|----------|-----------|---------------------------------|-------------------|---------------|
| 2702459  | K56L05020 | Safety Latch                    |                   | Chrome Plated |
| 2709069  | K56CL5020 | Safety Latch with Cylinder Lock |                   |               |
| 2709046  | K565002   | Offset Adjustable Strike        | -3.2mm to 6.4mm   |               |
| 2702460  | K565003   |                                 | 19.0mm to 38.1mm  |               |
| 2702458  | K565005   |                                 | 44.5mm to 63.5mm  |               |
| 2709045  | K565008   |                                 | 76.2mm to 101.6mm |               |

#### K77 Series



| Cat. No. | Part No.   | Description                     |                  | Finish                 |
|----------|------------|---------------------------------|------------------|------------------------|
| 2709091  | K778L06020 | Safety Latch                    |                  | 316<br>Stainless Steel |
| 2709090  | K778CL6020 | Safety Latch with Cylinder Lock |                  |                        |
| 2709089  | K778002    | Offset Adjustable Strike        | -3.0mm to 19.0mm |                        |
|          | K77804     |                                 | 44mm to 63mm     |                        |

#### K56 Series



| Cat. No. | Part No.  | Description                     |                  | Finish   |
|----------|-----------|---------------------------------|------------------|----------|
| 2709071  | K56L0T21  | Safety Latch                    |                  | TuffKote |
| 2709070  | K56CLT108 | Safety Latch with Cylinder Lock |                  |          |
| 2709072  | K56T002   | Adjustable Strike               | -3.2mm TO 6.4mm  |          |
| 2709073  | K56T003   |                                 | 19.0mm to 38.1mm |          |
| 2709074  | K56T005   |                                 | 44.5mm to 63.5mm |          |

#### K58 Series



| Cat. No. | Part No.  | Description              |                  | Finish        |
|----------|-----------|--------------------------|------------------|---------------|
| 2709048  | K58L05021 | Safety Latch             |                  | Chrome Plated |
| 2709050  | K585001   | Offset Adjustable Strike | -3.2mm to 6.4mm  |               |
| 2709051  | K585002   |                          | 19.0mm to 38.1mm |               |
| 2709049  | K585003   |                          | 44.5mm to 63.5mm |               |

#### K78 Series



| Cat. No. | Part No.   | Description                                        | Finish        |
|----------|------------|----------------------------------------------------|---------------|
| 2709093  | K78L05020  | Safety Latch with Radial Tongue                    | Chrome Plated |
| 2709092  | K78CL05020 | Safety Latch with Radial Tongue with Cylinder Lock | Chrome Plated |



## CRH

### Safety Latch Sets

#### L02 Series



| Cat. No. | Part No. | Description  | Finish                                                                        |
|----------|----------|--------------|-------------------------------------------------------------------------------|
| 2709078  | L02      | Magnet Assy. | Perspex backing, aluminium spacer, pot magnet zinc plated, striker aluminium. |

### Safety Latch Sets

#### AH-1178 Series



| Cat. No. | Part No.   | Description      | Contents                                                   | Finish        |
|----------|------------|------------------|------------------------------------------------------------|---------------|
| 2703996  | AH-1178-05 | Safety Latch Set | Latch<br>Strike - Flush<br>Internal Release                | Chrome Plated |
| 2709076  | AH-1178    |                  | Latch<br>Strike - 44mm to 60mm Adjust.<br>Internal Release |               |

#### AH-838 Series



| Cat. No. | Part No. | Description      | Contents                                                 | Finish        |
|----------|----------|------------------|----------------------------------------------------------|---------------|
| 2702462  | AH-838   | Safety Latch Set | Latch<br>Strike 16mm to 32mm Adjust.<br>Internal Release | Chrome Plated |

# Refrigeration Hardware



## Kason

### Inside Release Handles



| Cat. No. | Part No.  | Brand | Description                          | Material                    | Mounting Holes         | Suits Latch   |
|----------|-----------|-------|--------------------------------------|-----------------------------|------------------------|---------------|
| 2702461  | K481      | Kason | Nylon Push Handle with Luminous Knob | Steel Rod & Flange          | Drilled for 5mm screws | K56, K58, W38 |
| 2709060  | K483      |       | Paddle Handle with Rod               | Zinc Plated Steel           |                        | K56, R5612    |
| 2709061  | K486      |       | Recessed Push Handle - max 6" Panel  | Plastic Housing & Steel Rod |                        | K56           |
| 2709067  | K481SA600 |       | S/S Push Handle Knob Offset 85mm     | Stainless Steel Rod         |                        |               |
| 2709068  | K481SC600 |       | S/S Push Handle Knob Offset 80mm     |                             |                        |               |
| 2709062  | AH-1178C  | CRH   | Nylon Push Handle with Luminous Knob | Nylon                       | -                      | AH-1178       |
| 2709063  | A320      |       | Mushroom Bolt M16 x 200mm            |                             |                        | -             |

### Inside Release Instructions



| Cat. No. | Part No.    | Description                                                            | Message*      |
|----------|-------------|------------------------------------------------------------------------|---------------|
| 2709066  | K1229       | Luminous Sign - 'Push' Panel                                           | a             |
| 2709008  | P07-PW      | Luminous Instructions For Operating Emergency Inside Release Mechanism | b             |
| 2709010  | P07-SW      |                                                                        | c             |
| 2709009  | P07-SK      |                                                                        | d             |
| 2709064  | Arrow Label | Non luminous Direction Label                                           | 145mm x 150mm |
| 2709094  | Label-01    | Luminous Push Sticker Black on White                                   | 130mm x 70mm  |
| 2709095  | Label-05    | Luminous Push Sticker on Green                                         | 150mm x 245mm |
| 2709096  | Label-06    | Luminous Running Man Exit Sticker                                      | 70mm x 150mm  |

\*Message:

a: Push

b: For emergency only fully unscrew wing nut counter clockwise and push out door

c: For emergency only fully unscrew key ring counter clockwise and slide door open

d: For emergency only fully unscrew wing nut counter clockwise and slide door open

## Kason

### Hydraulic Door Closers

#### K1093 Series



| Cat. No. | Part No. | Description           | Offset | Finish                                   |
|----------|----------|-----------------------|--------|------------------------------------------|
| 2709014  | K109304  | Hydraulic Door Closer | Flush  | Steel with Chrome Finish - Plastic Cover |
| 2709015  | K109308  |                       | 28.6mm |                                          |



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# Refrigeration Hardware



## CRH

### European Latches & Strikes

| Cat. No. | Part No. | Description                       | Finish    |
|----------|----------|-----------------------------------|-----------|
| 2709129  | CRH-266  | Cool Room Latch Set with Key Lock | Composite |

### Latches

| Cat. No. | Part No.    | Description                                                  | Finish       |
|----------|-------------|--------------------------------------------------------------|--------------|
|          | F420        |                                                              |              |
| 2708979  | F430CRH-115 | Coolroom & Freezer Latch Set to suit Doors up to 115mm Thick | No Lock      |
| 2708981  | F430CRH-165 | Coolroom & Freezer Latch Set to suit Doors up to 165mm Thick | No Lock      |
| 2708983  | F431CRH-115 | Coolroom & Freezer Latch Set to suit Doors up to 115mm Thick | Lock         |
| 2708984  | F431CRH-165 | Coolroom & Freezer Latch Set to suit Doors up to 165mm Thick | Lock         |
| 2708982  | F430P       | Packer for F430/F431- 20mm                                   |              |
| 2708990  | F521        | Cool Room Latch Set                                          | Lock         |
| 2708989  | F520        |                                                              | No Lock      |
| 2708991  | F5211       |                                                              | 27mm to 43mm |
| 2708992  | F5212       |                                                              | 44mm to 60mm |
| 2708993  | F5213       |                                                              | 61mm to 77mm |
| 2708994  | F521SHIM    | Strike Packer 17mm                                           |              |

### Cabinet Latches & Strikes

#### CRH 5710 Series

| Cat. No. | Part No. | Description                         |     | Finish        |
|----------|----------|-------------------------------------|-----|---------------|
| 2708998  | CRH5710X | Cabinet Latch                       |     | Chrome Plated |
| 2708999  | CRH5722X | Offset Adjustable Strike 19 to 25mm | 60° |               |
| 2709000  | CRH5723X |                                     | 90° |               |

#### DL Series

| Cat. No. | Part No.  | Description               | Strike Adjustment | Finish        |
|----------|-----------|---------------------------|-------------------|---------------|
| 2709001  | C-DLC/LHB | Cabinet Latch with Strike | 40mm              | Chrome Plated |
| 2709002  | C-DLB/LHA |                           | 19 to 30mm        |               |
| 2709003  | C-DLA/LHC |                           | Flush             |               |

#### 1961 Series

| Cat. No. | Part No. | Description               | Spring Tension Adjustment | Finish        |
|----------|----------|---------------------------|---------------------------|---------------|
| 2709004  | CRH1961X | Cabinet Latch with Strike | 6.8 to 16.3kg             | Chrome Plated |

# Refrigeration Hardware



## Kason

### Security Locks

50mm x 22mm x 25mm. Keyed alike.



| Cat. No. | Part No. | Description         | Finish              |
|----------|----------|---------------------|---------------------|
|          | 100SL    | Security Block Lock | Chrome Plated       |
| 2709009  | 100SLB   |                     | Black Powder Coated |



## CRH

### Edge Mount Latches & Strikes

6188 Series - Mechanical



| Cat. No. | Part No.  | Description                             | Finish        |
|----------|-----------|-----------------------------------------|---------------|
| 2705833  | CRH6188NX | Edge Mount Latch with Strike            | Chrome Plated |
| 2708966  | CRH6188LX | Edge Mount Latch with Strike & Key Lock |               |

1200 Series - Mechanical



| Cat. No. | Part No. | Description                                        | Finish        |
|----------|----------|----------------------------------------------------|---------------|
| 2708967  | AH-1200  | Edge Mount Latch with Adjustable Strike & Key Lock | Chrome Plated |



## Kason

### Edge Mount Latches & Strikes

K533 Series - Mechanical



| Cat. No. | Part No. | Description                             | Finish        |
|----------|----------|-----------------------------------------|---------------|
| 2709100  | K533D    | Edge Mount Latch with Adjustable Strike | Chrome Plated |

K174 Series – Mechanical



| Cat. No. | Part No. | Description                             | Strike Adj.    | Handle   | Locking | Finish        |
|----------|----------|-----------------------------------------|----------------|----------|---------|---------------|
| 2709101  | K17404   | Edge Mount Latch with Adjustable Strike | 10.3 to 18.3mm | Straight | No      | Chrome Plated |
| 2709102  | K174B04  |                                         |                | Offset   |         |               |
| 2709103  | K174B014 |                                         |                | Straight | Yes     |               |
| 2709104  | K174C04  |                                         |                | Offset   |         |               |
| 2709105  | K174BC04 |                                         |                |          |         |               |

K171 Series – Magnetic



| Cat. No. | Part No. | Description                  | Handle   | Locking | Finish                                                     |
|----------|----------|------------------------------|----------|---------|------------------------------------------------------------|
| 2709044  | K17104   | Edge Mount Latch with Strike | Straight | No      | Chrome Plated                                              |
| 2709106  | K171B024 |                              | Offset   |         |                                                            |
| 2709107  | K171BC08 |                              |          | Yes     | Chrome Plated with Glass Reinforced Black Composite Handle |
| 2709108  | K171B08  |                              |          | No      | Chrome Plated                                              |

K172 Series – Mechanical/Magnetic



| Cat. No. | Part No. | Description                                   | Handle   | Locking | Finish        |
|----------|----------|-----------------------------------------------|----------|---------|---------------|
| 2709110  | K17206   | Edge Mount Latch with 2 Way Adjustable Strike | Straight | No      | Chrome Plated |
| 2709111  | K172B06  |                                               | Offset   |         |               |
| 2709112  | K172C06  |                                               | Straight | Yes     |               |
| 2709113  | K172BC06 |                                               | Offset   |         |               |

# Refrigeration Hardware



## Kason

### Cool Room Hinges

K1377 Series – Reversible



| Cat. No. | Part No.    | Description                                                  | Mounting   | Offset | Finish                                                |
|----------|-------------|--------------------------------------------------------------|------------|--------|-------------------------------------------------------|
| 2709118  | K1377S00004 | Heavy Duty<br>Stainless Steel<br>Self Closing<br>Strap Hinge | Reversible | Flush  | Polished 316 Stainless Steel Flange, Strap & Cam Pins |
| 2709119  | K1377S00008 |                                                              |            | 29mm   |                                                       |
| 2709120  | K1377S00018 |                                                              |            | 45mm   |                                                       |

K1245 Series – Reversible



| Cat. No. | Part No.    | Description                    | Mounting   | Offset | Finish        |
|----------|-------------|--------------------------------|------------|--------|---------------|
| 2709052  | K1245000028 | Self Closing<br>Cam Lift Hinge | Reversible | Flush  | Chrome Plated |
| 2709053  | K1245000040 |                                |            | 28mm   |               |
| 2709055  | K1245000044 |                                |            | 32mm   |               |
| 2709056  | K1245000068 |                                |            | 38mm   |               |
| 2709054  | K1245000080 |                                |            | 48mm   |               |



K1245 Series - Reversible

| Cat. No. | Part No.    | Description                 | Offset | Finish   |
|----------|-------------|-----------------------------|--------|----------|
| 2709057  | K1245T00004 | Self Closing Cam Rise Hinge | Flush  | Tuffkote |
| 2709058  | K1245T00016 |                             | 28.6mm |          |
|          | K1245T00020 |                             | 31.8mm |          |
| 2709059  | K1245T00064 |                             | 47.6mm |          |



K1248 Series – Reversible

| Cat. No. | Part No.    | Description                                 | Mounting   | Offset | Finish        |
|----------|-------------|---------------------------------------------|------------|--------|---------------|
| 2709122  | K1248000004 | Self Closing<br>Spring<br>Assisted<br>Hinge | Reversible | Flush  | Chrome Plated |
| 2709123  | K1248000016 |                                             |            | 28.6mm |               |
| 2709047  | K1248000020 |                                             |            | 31.8mm |               |
| 2709124  | K1248000027 |                                             |            | 47.6mm |               |



K1256 Series - Pacesetter Hinges

| Cat. No. | Part No.     | Description    | Offset                          | Finish        |
|----------|--------------|----------------|---------------------------------|---------------|
| 2709039  | K1255V00004C | Cam Rise Hinge | Flush                           | Chrome plated |
| 2709040  | K1256V00004C |                | Flush extended strap<br>184.9mm |               |
| 2709038  | K1255000003  | Spring Kit     |                                 |               |



## CRH

AH-1400 Series

Mounting Holes: Drilled and countersunk for 6mm screws.



| Cat. No. | Part No. | Description                               | Offset     | Finish        |
|----------|----------|-------------------------------------------|------------|---------------|
| 2709126  | AH-1450  | Cool Room Hinge with<br>Adjustable Offset | 32 to 46mm | Chrome Plated |
| 2709127  | AH-1460  |                                           | 42 to 60mm |               |
| 2709128  | AH-1470  |                                           | 54 to 70mm |               |

Cool Room Hinges

R1080 Series



| Cat. No. | Part No. | Description              | Mounting      | Finish                         |
|----------|----------|--------------------------|---------------|--------------------------------|
| 2709021  | R1080G   | Rota-cam Cool Room Hinge | Left or Right | Mill Finish Die Cast Aluminium |
| 2709022  | R1080W   | Rota-cam Cool Room Hinge | Left or Right | White Powder Coat              |

# Refrigeration Hardware



## CRH

### Hinges

HG01 Series



| Cat. No. | Part No. | Description                               | Finish            |
|----------|----------|-------------------------------------------|-------------------|
| 2709020  | HG01     | Spring Loaded Self Rising Cool Room Hinge | Die Cast Aluminum |

I34 Series -Adjustable Height



| Cat. No. | Part No.  | Description              | Finish    |
|----------|-----------|--------------------------|-----------|
| 2709125  | I-34-I-01 | Cam Rise Cool Room Hinge | Composite |

## Fermod

### Fermod Series

Adjustable Cam Rise



| Cat. No. | Part No. | Description              | Door Thickness Including Gasket | Max. Weight   | Finish    |
|----------|----------|--------------------------|---------------------------------|---------------|-----------|
| 2708985  | F473     | Cam Rise Cool Room Hinge | 48mm - 80mm                     | 40kg per pair | Composite |



### Heavy Duty Adjustable Cam Rise

| Cat. No. | Part No. | Description                            | Offset | Max. Weight                    | Finish                                   |  |
|----------|----------|----------------------------------------|--------|--------------------------------|------------------------------------------|--|
| 2708973  | F1573-40 | Heavy Duty Cam Rise<br>Cool Room Hinge | 40mm   | F1573 Series<br>80kg per pair  | Composite<br>with stainless<br>steel pin |  |
| 2708974  | F1573-47 |                                        | 47mm   |                                |                                          |  |
| 2708975  | F1573-55 |                                        | 55mm   | F1671 Series<br>120kg per pair |                                          |  |
| 2708977  | F1671HP  |                                        |        |                                |                                          |  |



### Hinge Packers

| Cat. No. | Part No.  | Description       | Finish    |
|----------|-----------|-------------------|-----------|
| 2708986  | F473SHIM  | 9mm suits F473    | Composite |
| 2708978  | F1671SHIM | 5mm suits F1671HP |           |



### Packers

| Cat. No. | Part No.  | Description            | Contents                                                 | Finish             |
|----------|-----------|------------------------|----------------------------------------------------------|--------------------|
| 2709006  | CRH-PHP10 | Packer Handy Pack 10mm | 4 x 40mm x 100mm<br>1 x 60mm x 150mm<br>1 x 80mm x 200mm | White Polyethylene |
| 2709007  | CRH-PHP25 | Packer Handy Pack 25mm |                                                          |                    |



# Refrigeration Hardware



## CRH

### Cabinet Hinges

Medium Duty Series



| Cat. No. | Part No. | Description               | Offset     | Finish        |
|----------|----------|---------------------------|------------|---------------|
| 2708968  | CRH40X   | Medium Duty Cabinet Hinge | 19 to 25mm | Chrome Plated |
| 2708969  | C-DHE    |                           | 32mm       |               |

Self Closing Rising Series



| Cat. No. | Part No.     | Description                                             | Offset     | Finish                                   |
|----------|--------------|---------------------------------------------------------|------------|------------------------------------------|
| 2709018  | P11ZLHMSPINK | Self Closing Hinge Packet of 2 Mild Steel Pin           | Left Hand  | Chrome Plated                            |
| 2709019  | P11ZRHMSPIK  |                                                         | Right Hand |                                          |
| 2701727  | P11ZLHSSPINK | Self Closing Hinge Packet of 2 Mild Stainless Steel Pin | Left Hand  |                                          |
| 2701728  | P11ZRHSSPINK | Self Closing Hinge Packet of 2 Stainless Steel Pin      | Right Hand |                                          |
| 2709005  | HP SILVER    | Packing Strip- Nylon to Suit P11 Hinges                 |            | Composite Body<br>Stainless Steel<br>Pin |
| 2709012  | P-12-LHS     | Spring Loaded Self Rising Hinge Left Hand               |            |                                          |
| 2709013  | P-12-RHS     | Spring Loaded Self Rising Hinge Right Hand              |            |                                          |
|          | P-12-HP      | Hinge Packer 3mm                                        |            |                                          |



Edge Mount Self Closing Rising Series

| Cat. No. | Part No.  | Brand | Description                                                                                        | Offset | Finish                                                              |
|----------|-----------|-------|----------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------|
| 2709016  | AH-1132   | CRH   | Edge Mount Self Closing Hinge                                                                      | 32mm   | Polished Chrome                                                     |
| 2709037  | K1367R016 | Kason | Edge Mount Self Closing Hinge with Self Zytte Cam for self closing or to stay open at 120 Degree's | 41mm   | Die Cast Zinc Flange, Strap & Adjustment. Brass Cover, Chrome Plate |



### Pivot Hinges

| Cat. No. | Part No. | Brand | Description | Finish          |
|----------|----------|-------|-------------|-----------------|
| 2708971  | R183     | CRH   | Pivot Hinge | Chrome Plated   |
| 2708972  | K7305-76 | Kason |             | Stainless Steel |



K1216 Series

| Cat. No. | Part No. | Description                        | Finish                               |
|----------|----------|------------------------------------|--------------------------------------|
| 2709023  | K1216    | Spring Cartridge Hinge 29mm Offset | Die Cast Zinc, Stainless Steel Cover |
| 2709024  | K1216SK  | Spring Cartridge to suit K1216     |                                      |



## Kason

### Non Rise Hinge



| Cat. No. | Part No. | Description                                                                                               | Finish                                                              |
|----------|----------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 2709121  | K1219    | Adjustable Hinge with 22.2mm Offset. Offset Adjusts 3.2mm in-and-out to compensate for Gasket Compression | Die Cast Zinc Flange, Strap & Adjustment. Brass Cover, Chrome Plate |

K1257 Series



| Cat. No. | Part No. | Description            | Finish                                                                                |
|----------|----------|------------------------|---------------------------------------------------------------------------------------|
| 2709036  | K1257008 | Edgemount Spring Hinge | Die-cast zinc flange, strap & adjustment plate. Chrome plated brass cover, steel pin. |

# Refrigeration Hardware



## Kason

### K1556 Series

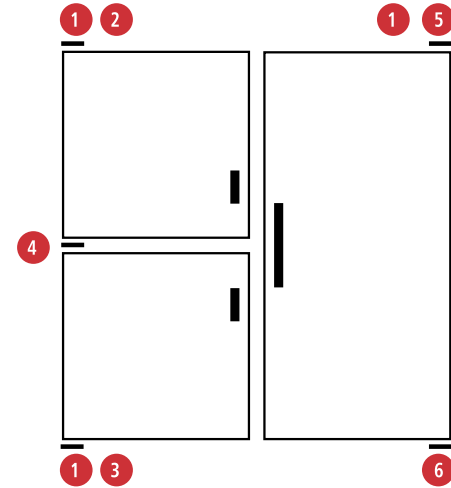
Kason Cartridge assembly. Standard clearance, 120° stop. Compression type wire spring. Closing force:

Standard cartridges for doors weighing upto 27kg. Cartridge. Die-cast Zamak case and upper arm. Nylon lower cam and pivot bearing. Chrome plated.



### ASSEMBLY WITH HORIZONTAL BRACKETS:

1. Cartridge Assembly
2. Top Cartridge Bracket, LH
3. Bottom Cartridge Bracket, LH
4. Double Pivot Bracket, LH
5. Top Cartridge Bracket, RH
6. Bottom Pivot Bracket



| Cat. No. | Part No. | Description               | Diagram Location |
|----------|----------|---------------------------|------------------|
| 2709025  | K155604  | Spring Cartridge Assembly | 1                |

#### Brackets

| Cat. No. | Part No. | Description       | Position (Hand) |       | Diagram Location | Finish                             |
|----------|----------|-------------------|-----------------|-------|------------------|------------------------------------|
| 2709026  | K1556011 | Cartridge Bracket | Top             | Left  | 2                | High Strength Steel, Chrome Plated |
| 2709027  | K1556012 |                   |                 | Right | 5                |                                    |
| 2709028  | K1556013 |                   | Bottom          | Left  | 3                |                                    |
| 2709029  | K1556014 |                   |                 | Right |                  |                                    |
| 2709030  | K1556021 | Pivot Bracket     | Top             | Left  |                  |                                    |
| 2709031  | K1556022 |                   |                 | Right |                  |                                    |
| 2709032  | K1556023 |                   | Bottom          | Left  |                  |                                    |
| 2709033  | K1556024 |                   |                 | Right | 6                |                                    |
| 2709034  | K1556035 |                   | Double          | Left  | 4                |                                    |
| 2709035  | K1556036 |                   |                 | Right |                  |                                    |



## CRH

### Door Handles

| Cat. No. | Part No. | Description                      | Overall Length: mm                         | Finish                                                |
|----------|----------|----------------------------------|--------------------------------------------|-------------------------------------------------------|
| 2709130  | RH251    | Pull Handle                      | 251                                        | Die Cast Chrome Plate with Black Plastic Cover        |
| 2709131  | RH260    |                                  | 310                                        | Stainless Steel with Brass Base, Chrome Plated Finish |
|          | K573     |                                  | 149.2                                      | Die Cast Zinc, Chrome Plated Finish                   |
| 2709132  | AH-1500  | Pull Handle                      | 290                                        | Die Cast Zinc, Chrome Plated Finish                   |
| 2709137  | H01      | Pull Handle on S/S Backing Plate | 225mm Handle on 300mm x 75mm Backing Plate | Stainless Steel                                       |
| 2709143  | I-147    | Pull Handle                      | 250                                        | Composite Body with Silver Colour Insert              |
| 2709144  | I-149    | Pull Handle                      | 280                                        | Composite Body with Aluminium Colour Insert           |

# Refrigeration Hardware



## CRH

### Sliding Door Track



| Cat. No. | Part No.     | Description | Length: m | Roller Assemblies Series to Suit |
|----------|--------------|-------------|-----------|----------------------------------|
| 2712810  | D TRACK 3.25 | Door Track  | 3.25      | A120 & A130 (75mm Wheel)         |
| 2712812  | D TRACK 6.5  |             | 6.5       |                                  |
| 2712811  | J TRACK 3.25 |             | 3.25      | A110 & A150 (50mm Wheel)         |
| 2712813  | J TRACK 6.5  |             | 6.5       |                                  |

### Hanging Roller Assemblies

#### A120 Series - Locking

Unique locking mechanism to prevent slipping.



| Cat. No. | Part No.       | Description                                          | Finish     |
|----------|----------------|------------------------------------------------------|------------|
| 2709215  | A120GLHLOCK-75 | Large Hanging Roller Assembly with 75mm Delrin Wheel | Left Hand  |
| 2709216  | A120GRHLOCK-75 |                                                      | Right Hand |
| 2709217  | A120WLHLOCK-75 |                                                      | Left Hand  |
| 2709218  | A120WRHLOCK-75 |                                                      | Right Hand |
|          | A120GLHLOCK-55 | Large Hanging Roller Assembly with 55mm Delrin Wheel | Left Hand  |
|          | A120GRHLOCK-55 |                                                      | Right Hand |
|          | A120WRHLOCK-55 |                                                      | Left Hand  |
|          | A120WLHLOCK-55 |                                                      | Right Hand |
|          | A120GLHLOCK-70 | Large Hanging Roller Assembly with 70mm Delrin Wheel | Left Hand  |
| 2709219  | A120GRHLOCK-70 |                                                      | Right Hand |
| 2709220  | A120WLHLOCK-70 |                                                      | Left Hand  |
| 2709221  | A120WRHLOCK-70 |                                                      | Right Hand |

#### A130 Series

| Cat. No. | Part No.   | Description                                                       | Finish            |
|----------|------------|-------------------------------------------------------------------|-------------------|
| 2709205  | A130GLH    | Large Hanging Double Wheel Roller Assembly with 75mm Delrin Wheel | Left Hand         |
| 2709206  | A130GRH    |                                                                   | Right Hand        |
| 2709207  | A130WLH    |                                                                   | Left Hand         |
| 2709208  | A130WRH    |                                                                   | Right Hand        |
| 2709209  | A130GLH-55 | Double Wheel Hanging Roller Assembly with 55mm Delrin Wheel       | Left Hand         |
| 2709210  | A130GRH-55 |                                                                   | Right Hand        |
| 2709211  | A130WLH-55 |                                                                   | Left Hand         |
| 2709212  | A130WRH-55 |                                                                   | Right Hand        |
| 2709203  | A134G-55   | Double Wheel Bogey                                                | 55mm Delrin wheel |
| 2709204  | A134W-55   |                                                                   | 75mm Delrin wheel |
| 2709201  | A134       |                                                                   | 75mm Delrin wheel |

#### A150 Series

| Cat. No. | Part No. | Description                                          | Finish     |
|----------|----------|------------------------------------------------------|------------|
| 2709224  | A150GLH  | Small Hanging Roller Assembly with 55mm Delrin Wheel | Left Hand  |
| 2709225  | A150GRH  |                                                      | Right Hand |
| 2709222  | A150WLH  |                                                      | Left Hand  |
| 2709223  | A150WRH  |                                                      | Right Hand |

# Refrigeration Hardware



## CRH

### Hanging Roller Assemblies

#### W18 Series



| Cat. No. | Part No. | Description                                          |                          | Finish                 |
|----------|----------|------------------------------------------------------|--------------------------|------------------------|
| 2709226  | W18      | Small Hanging Roller Assembly with 50mm Delrin Wheel | To Suit Commercial Track | Stainless Steel Hanger |

#### SC4 Series



| Cat. No. | Part No. | Description                                                      |                        | Finish               |
|----------|----------|------------------------------------------------------------------|------------------------|----------------------|
| 2709227  | SC4-050  | Universal Hanging Roller Assembly suit J Track. 250kg Pair rated | Nylon<br>50mm<br>Wheel | Aluminium<br>bracket |
| 2709228  | SC4-051  | Roller complete with axle & nut                                  |                        |                      |
| 2703499  | W21      | Eccentric Wheel Assembly 50mm Nylon Wheel                        |                        |                      |

#### A110 Series



| Cat. No. | Part No. | Description                                          | Finish                |
|----------|----------|------------------------------------------------------|-----------------------|
| 2709213  | A110G    | Small Hanging Roller Assembly with 55mm Delrin Wheel | Powder Coat Grey      |
| 2709214  | A110W    |                                                      | Powder Coat Surf Mist |

# Refrigeration Hardware



## CRH

### Wheels



| Cat. No. | Part No. | Description                                                                                              | Dia: mm | ID: mm | Material                                           |
|----------|----------|----------------------------------------------------------------------------------------------------------|---------|--------|----------------------------------------------------|
| 2709233  | A113X    | Delrin Wheel, Bearing & Circlip                                                                          | 55      | 12     | Delrin & Stainless Steel                           |
| 2709229  | A114X    | Delrin Wheel, Bearing & Circlip. Square Track Moulding to suit D Track or Bondor Track                   |         |        | White Powder Coat                                  |
| 2709230  | A117     | A113x Delrin Wheel, Bearing & Circlip with Zinc Plated Axle Assembly & Stainless Steel Anti-jump Bracket |         |        | Delrin & Stainless Steel, Zinc Bolt                |
| 2709232  | A129     | Delrin Wheel and Stainless Steel Axle Assembly                                                           | 75      | 15     | Delrin Wheel, Stainless Steel Axle, Nuts & Washers |
| 2709238  | A119     |                                                                                                          | 55      | 15     |                                                    |
| 2709237  | A118X    |                                                                                                          | 70      | 15     |                                                    |
| 2709231  | A127X    | Delrin Wheel, Bearing & Circlip                                                                          | 75      | 15     | Delrin & Stainless Steel                           |
| 2709236  | A115X    |                                                                                                          | 70      | 15     |                                                    |

### Track Mounted Stops

#### A220 Series



| Cat. No. | Part No. | Description                          | Finish                |
|----------|----------|--------------------------------------|-----------------------|
| 2709250  | A220GLH  | Adjustable Offset Track Mounted Stop | Powder Coat Grey      |
| 2709251  | A220GRH  |                                      |                       |
| 2709252  | A220WLH  |                                      | Powder Coat Surf Mist |
| 2709253  | A220WRH  |                                      |                       |

#### A225 Series



| Cat. No. | Part No. | Description                          | Finish            |
|----------|----------|--------------------------------------|-------------------|
| 2709254  | A225GLH  | Inline Adjustable Track Mounted Stop | Mill Finish       |
| 2709255  | A225GRH  |                                      |                   |
| 2709256  | A225WLH  |                                      | White Powder Coat |
| 2709257  | A225WRH  |                                      |                   |

#### A230 Series



| Cat. No. | Part No. | Description                     | Finish                |
|----------|----------|---------------------------------|-----------------------|
| 2709258  | A230GLH  | Fixed Offset Track Mounted Stop | Powder Coat Grey      |
| 2709259  | A230GRH  |                                 |                       |
| 2709260  | A230WLH  |                                 | Powder Coat Surf Mist |
| 2709261  | A230WRH  |                                 |                       |

#### SO1 Series



| Cat. No. | Part No. | Description                            | Finish      |
|----------|----------|----------------------------------------|-------------|
| 2709247  | S01RH    | J Track Mounted Door Stop. 50mm x 70mm | Mill Finish |
| 2709246  | S01LH    |                                        |             |

# Refrigeration Hardware



## CRH

### Block Track Stops



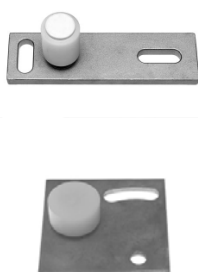
| Cat. No. | Part No. | Description        | Finish       |
|----------|----------|--------------------|--------------|
| 2709248  | S10-C    | J Track Block Stop | Black Rubber |
| 2709249  | S10-I    | D Track Block Stop |              |

### Floor Mounted Stops



| Cat. No. | Part No. | Description                                                     | Finish                |
|----------|----------|-----------------------------------------------------------------|-----------------------|
| 2702492  | A240G    | Large Floor Stop                                                | Powder Coat Grey      |
| 2709262  | A240W    |                                                                 | Powder Coat Surf Mist |
| 2709263  | A250G    | Small Floor Stop                                                | Powder Coat Grey      |
| 2709264  | A250W    |                                                                 | Powder Coat Surf Mist |
| 2709265  | A242A    | Replacement Rubber Stop includes S/S Bolt & Locknut 38mm x 26mm |                       |
|          | A242LX   | Replacement Rubber Stop includes S/S Bolt & Locknut 38mm x 62mm |                       |

### Floor Guides



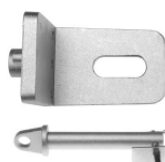
| Cat. No. | Part No. | Description                         | Finish                             |
|----------|----------|-------------------------------------|------------------------------------|
| 2702494  | A280G    | H Type Floor Guide                  | Powder Coat Grey                   |
| 2709234  | A280W    |                                     | Powder Coat Surf Mist              |
| 2709235  | A260     | Square Floor Guide                  | Stainless Steel Base, Nylon Roller |
| 2705803  | G02      | S/S Silless Door Guide, 40mm Roller | 304 Stainless Steel                |
| 2709239  | G03      | Silless Door Guide, H Type          |                                    |
| 2705807  | G09      | Silless Guide                       | 304 Stainless Steel                |

### Cone & Locator Sets



| Cat. No. | Part No. | Description        | Finish                |
|----------|----------|--------------------|-----------------------|
| 2709267  | A210G    | Cone & Locator Set | Powder Coat Grey      |
| 2709268  | A210W    |                    | Powder Coat Surf Mist |

### Hasp & Release Pins



| Cat. No. | Part No. | Description                   | Finish                |
|----------|----------|-------------------------------|-----------------------|
| 2709269  | A310G    | Large Hasp                    | Powder Coat Grey      |
| 2709270  | A310W    |                               | Powder Coat Surf Mist |
| 2709271  | A390G    | Inside Release Pin and Swivel | Powder Coat Grey      |
| 2709272  | A390W    |                               | Powder Coat Surf Mist |

### Hasp & Staple



| Cat. No. | Part No. | Description                                                | Finish        |
|----------|----------|------------------------------------------------------------|---------------|
| 2709245  | L07-75   | Hasp & Staple with Mounting Block & 75mm Brass plated Rod  | Chrome Plated |
| 2709242  | L07-100  | Hasp & Staple with Mounting Block & 100mm Brass plated Rod |               |
| 2709243  | L07-150  | Hasp & Staple with Mounting Block & 150mm Brass plated Rod |               |
| 2709244  | L07-200  | Hasp & Staple with Mounting Block & 200mm Brass plated Rod |               |

# Refrigeration Hardware



## CRH

### Sliding Door Locking Systems



| Cat. No. | Part No.       | Description                           |                | Material                                                                       |
|----------|----------------|---------------------------------------|----------------|--------------------------------------------------------------------------------|
| 2709079  | A10W           | Sliding Door Locking System           | White          | High pressure die cast zinc with nylon internal release                        |
| 2709080  | RC01K          | Roller Catch                          | 75-150mm panel | Main body aluminium. Remainder high pressure die cast, nylon & stainless steel |
| 2709088  | CRH-268-R-75K  | Sliding Door Lock With Inside Release | 75mm panel     | Composite                                                                      |
| 2709085  | CRH-268-R-100K |                                       | 100mm panel    |                                                                                |
| 2709086  | CRH268-R-150K  |                                       | 150mm panel    |                                                                                |

### Sliding Door Handles

#### Recessed Sliding Door Handles



| Cat. No. | Part No.   | Description                  | Overall Size: mm | Finish            |
|----------|------------|------------------------------|------------------|-------------------|
| 2709134  | A07W       | Recessed Sliding Door Handle | 120 x 220        | White Powder Coat |
| 2709133  | A07G       |                              |                  | Grey Powder Coat  |
| 2709135  | SDHI BLACK |                              |                  | Black Nylon       |
| 2709136  | SDHI WHITE |                              |                  | White Nylon       |

#### Sliding Door Tube Handles - Aluminium



| Cat. No. | Part No. | Description                | Finish                               |
|----------|----------|----------------------------|--------------------------------------|
| 2709133  | A370G    | Tube Handle End Bracket    | Grey Powder Coat                     |
| 2709134  | A370W    |                            | Powder coated                        |
| 2709280  | A380G    | Tube Handle Centre Bracket | Powder Coated Surf Mist              |
| 2709281  | 380W     |                            |                                      |
| 2709145  | I-SKA-11 | Edge Mount Coolroom Handle | Composite Body with Aluminium Handle |

# Refrigeration Hardware



## Kason

### Strip Door Curtains

Kason Thermal Flex PVC strip door curtains are now available “off the shelf” for the first time in convenient packs with everything needed. It’s the complete door curtain in a box that assembles in minutes. The standard strip door curtain pack is designed to suit a 900mm wide x 2100mm high clear door opening using 2mm x 100mm clear strips. The same curtain can be used for clear opening heights up to 2240mm. The overall size allowing for overlap on the sides and a height including the 50mm headpiece is 1015mm wide x 2285mm high and is available in both cool room and freezer grades. A significant portion of the refrigeration load in walk-in cool rooms and freezer rooms is attributed to air infiltration through open doorways. Installing strip curtains across doorways is a proven, effective means to drastically limit infiltration and provides significant energy cost savings.

**Over 120 stocked sizes available. All custom sizes made to order with quick turn around.**

#### Features:

- Complete door curtain in a box
- Assembles in minutes
- Strong, light weight aluminum track installs easily
- Patented mounting system prevents tear-out
- Fastener kit included
- Available “off the shelf” - no waiting
- Easiest mounting system on the market featuring pre-cleated, slide in strips for quick mounting and removal



| Cat. No. | Part No.       | Description            | Application   | Suits Clear Door Opening Size |            | Overall Size |            |
|----------|----------------|------------------------|---------------|-------------------------------|------------|--------------|------------|
|          |                |                        |               | Width: mm                     | Height: mm | Width: mm    | Height: mm |
| 2709327  | KSDC10152285AC | Strip Door Curtain Kit | Cool Rooms    | 900                           | 2240       | 1015         | 2285       |
| 2709328  | KSDC10152285AF |                        | Freezer Rooms |                               |            |              |            |

# Refrigeration Hardware



## CRH

### Cool Room Shelving

#### Shelf Units - 1900mm High



| Cat. No. | Part No.   | Description                            | Shelf Size: mm |
|----------|------------|----------------------------------------|----------------|
| 2709284  | AC1824PEW4 | 455mm Deep 4 Tier Cool Room Shelf Unit | 455 x 610      |
| 2709285  | AC1830PEW4 |                                        | 455 x 760      |
| 2709286  | AC1836PEW4 |                                        | 455 x 910      |
| 2709287  | AC1842PEW4 |                                        | 455 x 1060     |
| 2709288  | AC1848PEW4 |                                        | 455 x 1220     |
| 2709289  | AC1854PEW4 |                                        | 455 x 1370     |
| 2709290  | AC1860PEW4 |                                        | 455 x 1525     |
| 2709291  | AC1872PEW4 |                                        | 455 x 1825     |
| 2709292  | AC2424PEW4 | 610mm Deep 4 Tier Cool Room Shelf Unit | 610 x 610      |
| 2709293  | AC2430PEW4 |                                        | 610 x 760      |
| 2709294  | AC2436PEW4 |                                        | 610 x 910      |
| 2709295  | AC2442PEW4 |                                        | 610 x 1060     |
| 2709296  | AC2448PEW4 |                                        | 610 x 1220     |
| 2709297  | AC2454PEW4 |                                        | 610 x 1370     |
| 2709298  | AC2460PEW4 |                                        | 610 x 1525     |
| 2709299  | AC2472PEW4 |                                        | 610 x 1825     |

#### Individual Shelves

| Cat. No. | Part No. | Description                 | Shelf Size: mm |
|----------|----------|-----------------------------|----------------|
| 2709300  | C1824PEW | 455mm Deep Individual Shelf | 455 x 610      |
| 2709301  | C1830PEW |                             | 455 x 760      |
| 2709302  | C1836PEW |                             | 455 x 910      |
| 2709303  | C1842PEW |                             | 455 x 1060     |
| 2709304  | C1848PEW |                             | 455 x 1220     |
| 2709305  | C1854PEW |                             | 455 x 1370     |
| 2709306  | C1860PEW |                             | 455 x 1525     |
| 2709307  | C1872PEW |                             | 455 x 1825     |
| 2709308  | C2424PEW | 610mm Deep Individual Shelf | 610 x 610      |
| 2709309  | C2430PEW |                             | 610 x 760      |
| 2709310  | C2436PEW |                             | 610 x 910      |
| 2709311  | C2442PEW |                             | 610 x 1060     |
| 2709312  | C2448PEW |                             | 610 x 1220     |
| 2709313  | C2454PEW |                             | 610 x 1370     |
| 2709314  | C2460PEW |                             | 610 x 1525     |
| 2709315  | C2472PEW |                             | 610 x 1825     |

# Refrigeration Hardware



## CRH

### Door Bells



| Cat. No. | Part No. | Description                         | Finish                       |
|----------|----------|-------------------------------------|------------------------------|
| 2703447  | ANM-001  | 95db Warning Bell with 150mm Keyway | Mild Steel with Chrome Plate |
| 2709273  | ANM-002  |                                     | Brass                        |
| 2702495  | A375G    | Bell Recess                         | Powder Coat Grey             |
| 2702496  | A375W    |                                     | Powder Coat Surf Mist        |

### DorWatcher Alarm

The DorWatcher is a simple solution to stop refrigerated hinged and sliding doors being left open for long periods of time. Battery powered with a simple install and built in battery fault monitor.



| Cat. No. | Part No. | Description          |
|----------|----------|----------------------|
| 2709277  | DW304    | DorWatcher Alarm Kit |

### Personnel Safety Alarms



| Cat. No. | Part No.  | Description                | Kit Contents                                                                                                                 |
|----------|-----------|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 2709274  | CRH-PSA01 | Personnel Safety Alarm Kit | Siren & Strobe<br>Weatherproof Box<br>Illuminated Emergency Push Button<br>Power Supply AC Adapter<br>Lumitac 'PUSH' Sticker |
| 2709275  | CRH-PSA02 |                            | Siren & Strobe<br>Weatherproof Box<br>Illuminated Emergency Push Button<br>Power Supply AC Adapter<br>Lumitac 'PUSH' Sticker |
| 2709276  | CRH-PSA03 |                            | Siren & Strobe<br>Weather Proof Controller & Push Button<br>Power Supply AC Adapter<br>Lumitac 'PUSH' Sticker                |



## Kason

### Pressure Relief Valves



| Cat. No. | Part No.            | Description                                                                         | Mounting Hole Size: mm |
|----------|---------------------|-------------------------------------------------------------------------------------|------------------------|
| 2709138  | CRH-500             | Pressure Relief Valve with Heater 70-150mm                                          | 100                    |
| 2709139  | CRH-500A            | Extension sleeve 150 to 250mm panel.                                                |                        |
| 2709140  | CRH-1000<br>150-250 | Freezer & Blast Freezer Heated Pressure Relief Valve Suitable for 150mm-250mm Panel |                        |