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## ANKA COLD FIT POLYTHENE PIPE FITTINGS

Glass reinforced nylon

Max working pressure 200 psi

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

### STRAIGHT COUPLING

|       |                        |
|-------|------------------------|
| ASC15 | 15mm Straight Coupling |
| ASC20 | 20mm Straight Coupling |
| ASC25 | 25mm Straight Coupling |
| ASC32 | 32mm Straight Coupling |
| ASC40 | 40mm Straight Coupling |
| ASC50 | 50mm Straight Coupling |



### LONG STRAIGHT COUPLING

|        |                             |
|--------|-----------------------------|
| ASCL15 | 15mm Long Straight Coupling |
| ASCL20 | 20mm Long Straight Coupling |
| ASCL25 | 25mm Long Straight Coupling |



### REDUCING COUPLING

|         |                             |
|---------|-----------------------------|
| ARC2015 | 20 x 15mm Reducing Coupling |
| ARC2515 | 25 x 15mm Reducing Coupling |
| ARC2520 | 25 x 20mm Reducing Coupling |
| ARC3220 | 32 x 20mm Reducing Coupling |
| ARC3225 | 32 x 25mm Reducing Coupling |
| ARC4025 | 40 x 25mm Reducing Coupling |
| ARC4032 | 40 x 32mm Reducing Coupling |
| ARC5040 | 50 x 40mm Reducing Coupling |



### MALE COUPLING

|       |                    |
|-------|--------------------|
| AMC15 | 15mm Male Coupling |
| AMC20 | 20mm Male Coupling |
| AMC25 | 25mm Male Coupling |
| AMC32 | 32mm Male Coupling |
| AMC40 | 40mm Male Coupling |
| AMC50 | 50mm Male Coupling |



### REDUCING MALE COUPLING

|          |                                  |
|----------|----------------------------------|
| ARMC1520 | 15 x 20mm Reducing Male Coupling |
| ARMC2015 | 20 x 15mm Reducing Male Coupling |
| ARMC2025 | 20 x 25mm Reducing Male Coupling |
| ARMC2515 | 25 x 15mm Reducing Male Coupling |
| ARMC2520 | 25 x 20mm Reducing Male Coupling |
| ARMC3220 | 32 x 20mm Reducing Male Coupling |
| ARMC3225 | 32 x 25mm Reducing Male Coupling |



**ANKA COLD FIT POLYTHENE PIPE FITTINGS**

Glass reinforced nylon

Max working pressure 200 psi

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**BEND**

|      |           |
|------|-----------|
| AB15 | 15mm Bend |
| AB20 | 20mm Bend |
| AB25 | 25mm Bend |
| AB32 | 32mm Bend |
| AB40 | 40mm Bend |
| AB50 | 50mm Bend |



**MALE BEND**

|       |                |
|-------|----------------|
| AMB15 | 15mm Male Bend |
| AMB20 | 20mm Male Bend |
| AMB25 | 25mm Male Bend |
| AMB32 | 32mm Male Bend |
| AMB40 | 40mm Male Bend |
| AMB50 | 50mm Male Bend |



**LONG MALE BEND**

|        |                     |
|--------|---------------------|
| AMBL15 | 15mm Long Male Bend |
| AMBL20 | 20mm Long Male Bend |
| AMBL25 | 25mm Long Male Bend |



**REDUCING MALE BEND**

|          |                              |
|----------|------------------------------|
| ARMB1520 | 15 x 20mm Reducing Male Bend |
| ARMB2015 | 20 x 15mm Reducing Male Bend |
| ARMB2025 | 20 x 25mm Reducing Male Bend |
| ARMB2520 | 25 x 20mm Reducing Male Bend |



**LONG REDUCING MALE BEND**

|           |                                   |
|-----------|-----------------------------------|
| ARMBL1520 | 15 x 20mm Long Reducing Male Bend |
| ARMBL2015 | 20 x 15mm Long Reducing Male Bend |
| ARMBL2025 | 20 x 25mm Long Reducing Male Bend |
| ARMBL2520 | 25 x 20mm Long Reducing Male Bend |



**ANKA COLD FIT POLYTHENE PIPE FITTINGS**

Glass reinforced nylon

Max working pressure 200 psi

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**TEE**

|      |          |
|------|----------|
| AT15 | 15mm Tee |
| AT20 | 20mm Tee |
| AT25 | 25mm Tee |
| AT32 | 32mm Tee |
| AT40 | 40mm Tee |
| AT50 | 50mm Tee |



**MALE TEE**

|       |                             |
|-------|-----------------------------|
| AMT15 | 15mm Tee - 20mm Male Thread |
| AMT20 | 20mm Tee                    |



**REDUCING TEE**

|         |                        |
|---------|------------------------|
| ART1520 | 15 x 20mm Reducing Tee |
| ART2015 | 20 x 15mm Reducing Tee |
| ART2025 | 20 x 25mm Reducing Tee |
| ART2515 | 25 x 15mm Reducing Tee |
| ART2520 | 25 x 20mm Reducing Tee |
| ART3220 | 32 x 20mm Reducing Tee |
| ART3225 | 32 x 25mm Reducing Tee |
| ART4025 | 40 x 25mm Reducing Tee |
| ART4032 | 40 x 32mm Reducing Tee |
| ART5032 | 50 x 32mm Reducing Tee |
| ART5040 | 50 x 40mm Reducing Tee |



**FEMALE COUPLING**

|       |                      |
|-------|----------------------|
| AFC15 | 15mm Female Coupling |
| AFC20 | 20mm Female Coupling |
| AFC25 | 25mm Female Coupling |
| AFC32 | 32mm Female Coupling |
| AFC40 | 40mm Female Coupling |
| AFC50 | 50mm Female Coupling |



**FEMALE TEE**

|       |                 |
|-------|-----------------|
| AFT15 | 15mm Female Tee |
| AFT20 | 20mm Female Tee |
| AFT25 | 25mm Female Tee |
| AFT32 | 32mm Female Tee |
| AFT40 | 40mm Female Tee |
| AFT50 | 50mm Female Tee |



**ANKA COLD FIT POLYTHENE PIPE FITTINGS**

Glass reinforced nylon

Max working pressure 200 psi

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**BRACKET ELBOW**

ABE15 15mm Bracket Elbow  
 ABE20 20mm Bracket Elbow



**REDUCING BRACKET ELBOW**

ARBE1520 15 x 20mm Reducing Bracket Elbow  
 ARBE2015 20 x 15mm Reducing Bracket Elbow  
 ARBE2025 20 x 25mm Reducing Bracket Elbow



**FEMALE BEND**

AFB15 15mm Female Bend  
 AFB20 20mm Female Bend  
 AFB25 25mm Female Bend  
 AFB32 32mm Female Bend  
 AFB40 40mm Female Bend  
 AFB50 50mm Female Bend



**REDUCING FEMALE COUPLING**

ARFC2015 20 x 15mm Reducing Female Coupling  
 ARFC2520 25 x 20mm Reducing Female Coupling  
 ARFC3225 32 x 25mm Reducing Female Coupling  
 ARFC4032 40 x 32mm Reducing Female Coupling  
 ARFC5040 50 x 40mm Reducing Female Coupling



**REDUCING FEMALE BEND**

ARFB2015 20 x 15mm Reducing Female Bend  
 ARFB2025 20 x 25mm Reducing Female Bend  
 ARFB2520 25 x 20mm Reducing Female Bend  
 ARFB3225 32 x 25mm Reducing Female Bend  
 ARFB4032 40 x 32mm Reducing Female Bend  
 ARFB5040 50 x 40mm Reducing Female Bend



**ANKA COLD FIT POLYTHENE PIPE FITTINGS**

Glass reinforced nylon

Max working pressure 200 psi

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**HOSETAIL UNION**

|        |                                   |
|--------|-----------------------------------|
| AU20   | 20mm Thread x 20mm Hosetail Union |
| AU2025 | 20mm Thread x 25mm Hosetail Union |
| AU2032 | 20mm Thread x 32mm Hosetail Union |
| AU25   | 25mm Thread x 25mm Hosetail Union |
| AU2520 | 25mm Thread x 20mm Hosetail Union |
| AU2532 | 25mm Thread x 32mm Hosetail Union |
| AU32   | 32mm Thread x 32mm Hosetail Union |
| AU3220 | 32mm Thread x 20mm Hosetail Union |
| AU3225 | 32mm Thread x 25mm Hosetail Union |



**MALE PIECE**

|       |                       |
|-------|-----------------------|
| AUM20 | 20mm Union Male Piece |
| AUM25 | 25mm Union Male Piece |
| AUM32 | 32mm Union Male Piece |



**UNION PIPE PIECE**

|       |                       |
|-------|-----------------------|
| AUP20 | 20mm Union Pipe Piece |
| AUP25 | 25mm Union Pipe Piece |
| AUP32 | 32mm Union Pipe Piece |



**PIPE UNION**

|       |                                 |
|-------|---------------------------------|
| APU20 | 20mm Female Threaded Pipe Union |
| APU25 | 25mm Female Threaded Pipe Union |
| APU32 | 32mm Female Threaded Pipe Union |
| APU40 | 40mm Female Threaded Pipe Union |
| APU50 | 50mm Female Threaded Pipe Union |



**ANKA WASHDOWN NOZZLES, TAILS, REPAIR KITS**

Glass reinforced nylon

Body and hose tail material:

Nut and bolt:

O ring:

Nozzle protector:

CODE DESCRIPTION

**HOSE NOZZLES**

|        |                          |
|--------|--------------------------|
| AHNS25 | 25mm Hose Nozzle - Small |
| AHNS32 | 32mm Hose Nozzle - Small |
| AHN32  | 32mm Hose Nozzle         |
| AHN40  | 40mm Hose Nozzle         |



**HOSE TAIL**

|         |                          |
|---------|--------------------------|
| AHT15   | ½" BSP x 15mm Hose Tail  |
| AHT20   | ¾" BSP x 20mm Hose Tail  |
| AHT25   | 1" BSP x 25mm Hose Tail  |
| AHT32   | 1¼" BSP x 32mm Hose Tail |
| AHT40   | 1½" BSP x 40mm Hose Tail |
| AHT50   | 2" BSP x 50mm Hose Tail  |
| AHT2520 | 1" BSP x 20mm Hose Tail  |
| AHT3225 | 1¼" BSP x 25mm Hose Tail |
| AHT4032 | 1½" BSP x 32mm Hose Tail |



**DISPLAY BOX HOSE NOZZLES & TAILS**

|         |   |
|---------|---|
| AHNS25D | Display Box - 10 x AHNS25 Incl Hose Tails |
| AHNS32D | Display Box - 10 x AHNS32 Incl Hose Tails |
| AHN32D  | Display Box - 5 x AHN32 Incl Hose Tails   |
| AHN40D  | Display Box - 5 x AHN40 Incl Hose Tails   |



**REPAIR KIT - NOZZLES**

|       |  |
|-------|--|
| ARKL  | For 32mm and 40mm Large Washdowns      |
| ARKS  | For 25mm and 32mm Small Washdowns      |
| ARKT  | For 20mm Trigger Spray Gun             |
| ARKTH | For 20mm Trigger Spray Gun (HOT WATER) |



**ANKA COLD FIT POLYTHENE PIPE FITTINGS**

Glass reinforced nylon

Max working pressure 200 psi

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**ANKA INLINE NOZZLE**

Glass reinforced nozzle

AHN20 20mm In-Line Nozzle



**ANKA TRIGGER GUN**

ATG20 20mm Trigger Gun

ATGH20 20mm Trigger Gun Hot Water up to 85 C



**SNAP ON ADAPTOR**

ASOA Snap on Adaptor for Trigger Gun



**SWIVEL UNION**

20mm No Longer Available

ASU25 25mm Swivel Female Threaded Union

ASU32 32mm Swivel Female Threaded Union

ASU40 40mm Swivel Female Threaded Union

ASU50 50mm Swivel Female Threaded Union



**ANKALOC QUIK-LOCK COUPLINGS**

All sizes interchangeable  
 Applications up to 150 psi  
 Glass reinforced nylon



CODE DESCRIPTION

**FEMALE THREADED COUPLING**

|          |                           |
|----------|---------------------------|
| AL20F    | 20mm Ankaloc Female       |
| AL25F    | 25mm Ankaloc Female       |
| AL32F    | 32mm Ankaloc Female       |
| AL40F    | 40mm Ankaloc Female       |
| AL40BLKF | 40mm Ankaloc Female Black |



**MALE THREADED COUPLING**

|          |                         |
|----------|-------------------------|
| AL20M    | 20mm Ankaloc Male       |
| AL25M    | 25mm Ankaloc Male       |
| AL32M    | 32mm Ankaloc Male       |
| AL40M    | 40mm Ankaloc Male       |
| AL40BLKM | 40mm Ankaloc Male Black |



**MALE COUPLING - NO THREAD**

|      |                                      |
|------|--------------------------------------|
| AL40 | 40mm Ankaloc Male Coupling No Thread |
|------|--------------------------------------|

**SEAL RING**

|     |                   |
|-----|-------------------|
| ALS | Ankaloc Seal Ring |
|-----|-------------------|



**ANKA TANK FITTINGS**

|        |                               |
|--------|-------------------------------|
| ATF20F | 20mm Female Anka Tank Fitting |
| ATF25F | 25mm Female Anka Tank Fitting |
| ATF20M | 20mm Male Anka Tank Fitting   |
| ATF25M | 25mm Male Anka Tank Fitting   |
| ATFB20 | 20mm Anka Barbed Tank Fitting |
| ATFB25 | 25mm Anka Barbed Tank Fitting |





The connection you can trust.

## PHILMAC 3G METRIC® COMPRESSION FITTINGS

**POLYPROPYLENE BLACK. PN16 RATING**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
BS 5114

20mm - 63mm 16 bar rating

CODE DESCRIPTION

### STRAIGHT COUPLING

|         |                                    |
|---------|------------------------------------|
| PHSC20  | 20mm Philmac 3G straight coupling  |
| PHSC25  | 25mm Philmac 3G straight coupling  |
| PHSC32  | 32mm Philmac 3G straight coupling  |
| PHSC40  | 40mm Philmac 3G straight coupling  |
| PHSC50  | 50mm Philmac 3G straight coupling  |
| PHSC63  | 63mm Philmac 3G straight coupling  |
| PHSC75  | 75mm Philmac 3G straight coupling  |
| PHSC90  | 90mm Philmac 2G straight coupling  |
| PHSC110 | 110mm Philmac 2G straight coupling |



### MALE COUPLING

|          |                                     |
|----------|-------------------------------------|
| PHMC20   | 20mm x ½" Philmac3G male coupling   |
| PHMC2020 | 20mm x ¾" Philmac 3G male coupling  |
| PHMC2025 | 20mm x 1" Philmac 3G male coupling  |
| PHMC25   | 25mm x ¾" Philmac 3G male coupling  |
| PHMC2515 | 25mm x 1" Philmac3G male coupling   |
| PHMC2525 | 25mm x 1" Philmac 3G male coupling  |
| PHMC32   | 32mm x 1" Philmac 3G male coupling  |
| PHMC3220 | 32mm x ¾" Philmac 3G male coupling  |
| PHMC3232 | 32mm x 1¼" Philmac 3G male coupling |
| PHMC3240 | 32mm x 1½" Philmac 3G male coupling |
| PHMC40   | 40mm x 1¼" Philmac 3G male coupling |
| PHMC4025 | 40mm x 1" Philmac 3G male coupling  |
| PHMC4040 | 50mm x 1½" Philmac 3G male coupling |
| PHMC4050 | 40mm x 2" Philmac 3G male coupling  |
| PHMC50   | 50mm x 1½" Philmac 3G male coupling |
| PHMC5050 | 50mm x 2" Philmac 3G male coupling  |
| PHMC63   | 63mm x 2" Philmac 3G male coupling  |
| PHMC6340 | 63mm x 1½" Philmac 3G male coupling |
| PHMC75   | 75mm x 2" Philmac 2G male coupling  |
| PHMC7563 | 75mm x 2½" Philmac 2G male coupling |
| PHMC7575 | 75mm x 3" Philmac 2G male coupling  |
| PHMC90   | 90mm x 3" Philmac 2G male coupling  |
| PHMC110  | 110mm x 4" Philmac 2G male coupling |



**PHILMAC 3G METRIC® COMPRESSION FITTINGS**

**POLYPROPYLENE BLACK. PN16 RATING**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: **ISO 3458,3459,3503,14236,BS 5114**

20mm - 63mm 16 bar rating



The connection you can trust.

**FEMALE COUPLING**

|          |                                       |
|----------|---------------------------------------|
| PHFC20   | 20mm x ½" Philmac 3G female coupling  |
| PHFC2020 | 20mm x ¾" Philmac 3G female coupling  |
| PHFC2025 | 20mm x 1" Philmac 3G male coupling    |
| PHFC25   | 25mm x ¾" Philmac 3G female coupling  |
| PHFC2515 | 25mm x ½" Philmac 3G female coupling  |
| PHFC2525 | 25mm x 1" Philmac 3G female coupling  |
| PHFC32   | 32mm x 1" Philmac 3G female coupling  |
| PHFC3232 | 32mm x 1¼" Philmac 3G female coupling |
| PHFC40   | 40mm x 1¼" Philmac 3G female coupling |
| PHFC4040 | 40mm x 1½" Philmac 3G female coupling |
| PHFC50   | 50mm x 1½" Philmac 3G female coupling |
| PHFC5050 | 50mm x 2" Philmac 3G female coupling  |
| PHFC63   | 63mm x 2" Philmac 3G female coupling  |
| PHFC75   | 75mm x 2" Philmac 2G female coupling  |
| PHFC90   | 90mm x 3" Philmac 2G female coupling  |
| PHFC110  | 110mm x 4" Philmac 2G female coupling |



**REDUCING COUPLING**

|           |   |
|-----------|---|
| PHRC2520  | 25 x 20mm Philmac 3G reducing coupling  |
| PHRC3220  | 32 x 20mm Philmac 3G reducing coupling  |
| PHRC3225  | 32 x 25mm Philmac 3G reducing coupling  |
| PHRC4025  | 40 x 25mm Philmac 3G reducing coupling  |
| PHRC4032  | 40 x 32mm Philmac 3G reducing coupling  |
| PHRC5025  | 50 x 25mm Philmac 3G reducing coupling  |
| PHRC5032  | 50 x 32mm Philmac 3G reducing coupling  |
| PHRC5040  | 50 x 40mm Philmac 3G reducing coupling  |
| PHRC6332  | 63 x 32mm Philmac 3G reducing coupling  |
| PHRC6340  | 63 x 40mm Philmac 3G reducing coupling  |
| PHRC6350  | 63 x 50mm Philmac 3G reducing coupling  |
| PHRC7563  | 75 x 63mm Philmac 2G reducing coupling  |
| PHRC9075  | 90 x 75mm Philmac 2G reducing coupling  |
| PHRC11090 | 110 x 90mm Philmac 2G reducing coupling |



**SLIP JOINERS Pol X Pol**

|        |                             |
|--------|-----------------------------|
| PHSJ20 | 20mm Philmac 3G Slip Joiner |
| PHSJ25 | 25mm Philmac 3G Slip Joiner |
| PHSJ32 | 32mm Philmac 3G Slip Joiner |
| PHSJ40 | 40mm Philmac 3G Slip Joiner |
| PHSJ50 | 50mm Philmac 3G Slip Joiner |
| PHSJ63 | 63mm Philmac 3G Slip Joiner |



**3G® METRIC END CAP POLY**

|        |                             |
|--------|-----------------------------|
| PHEC20 | 20MM PHILMAC 3G M/D END CAP |
| PHEC25 | 25MM PHILMAC 3G M/D END CAP |
| PHEC32 | 32MM PHILMAC 3G M/D END CAP |
| PHEC40 | 40MM PHILMAC 3G M/D END CAP |
| PHEC50 | 50MM PHILMAC 3G M/D END CAP |
| PHEC63 | 63MM PHILMAC 3G M/D END CAP |



**PHILMAC 3G METRIC® COMPRESSION FITTINGS**

**POLYPROPYLENE BLACK. PN16 RATING**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
BS 5114

20mm - 63mm 16 bar rating



CODE DESCRIPTION

**EQUAL TEES**

|         |                            |
|---------|----------------------------|
| PHET20  | 20mm Philmac 3G equal tee  |
| PHET25  | 25mm Philmac 3G equal tee  |
| PHET32  | 32mm Philmac 3G equal tee  |
| PHET40  | 40mm Philmac 3G equal tee  |
| PHET50  | 50mm Philmac 3G equal tee  |
| PHET63  | 63mm Philmac 3G equal tee  |
| PHET75  | 75mm Philmac 2G equal tee  |
| PHET90  | 90mm Philmac 2G equal tee  |
| PHET110 | 110mm Philmac 2G equal tee |



**REDUCING TEE**

|          |                                   |
|----------|-----------------------------------|
| PHRT2520 | 25 x 20mm Philmac 3G reducing tee |
| PHRT3225 | 32 x 25mm Philmac 3G reducing tee |
| PHRT4025 | 40 x 25mm Philmac 3G reducing tee |
| PHRT4032 | 40 x 32mm Philmac 3G reducing tee |
| PHRT5032 | 50 x 32mm Philmac 3G reducing tee |
| PHRT5040 | 50 x 40mm Philmac 3G reducing tee |
| PHRT6332 | 63 x 32mm Philmac 3G reducing tee |
| PHRT6350 | 63 x 50mm Philmac 3G reducing tee |



**FEMALE TEES**

|          |                                     |
|----------|-------------------------------------|
| PHFT20   | 20mm x 1/2" Philmac 3G female tee   |
| PHFT2020 | 20mm x 3/4" Philmac 3G female tee   |
| PHFT25   | 25mm x 3/4" Philmac 3G female tee   |
| PHFT2515 | 25mm x 1/2" Philmac 3G female tee   |
| PHFT2525 | 25mm x 1" Philmac 3G female tee     |
| PHFT32   | 32mm x 1" Philmac 3G female tee     |
| PHFT3220 | 32mm x 3/4" Philmac 3G female tee   |
| PHFT3232 | 32mm x 1 1/4" Philmac 3G female tee |
| PHFT40   | 40mm x 1 1/4" Philmac 3G female tee |
| PHFT4040 | 40mm x 1 1/2" Philmac 3G female tee |
| PHFT50   | 50mm x 1 1/2" Philmac 3G female tee |
| PHFT5050 | 50mm x 2" Philmac 3G female tee     |
| PHFT63   | 63mm x 2" Philmac 3G female tee     |
| PHFT75   | 75mm x 2" Philmac 2G female tee     |
| PHFT90   | 90mm x 3" Philmac 2G female tee     |
| PHFT110  | 110mm x 4" Philmac 2G female tee    |



**PHILMAC 3G METRIC® COMPRESSION FITTINGS**  
**POLYPROPYLENE BLACK. PN16 RATING**  
**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
 BS 5114

20mm - 63mm 16 bar rating



CODE DESCRIPTION

**ELBOWS**

|         |                        |
|---------|------------------------|
| PHEL20  | 20mm Philmac 3G elbow  |
| PHEL25  | 25mm Philmac 3G elbow  |
| PHEL32  | 32mm Philmac 3G elbow  |
| PHEL40  | 40mm Philmac 3G elbow  |
| PHEL50  | 50mm Philmac 3G elbow  |
| PHEL63  | 63mm Philmac 3G elbow  |
| PHEL75  | 75mm Philmac 3G elbow  |
| PHEL90  | 90mm Philmac 3G elbow  |
| PHEL110 | 110mm Philmac 3G elbow |



**BRACKET ELBOWS**

|          |                                  |
|----------|----------------------------------|
| PHBE20   | 20mm x 15mm BSP 3G bracket elbow |
| PHBE25   | 25mm x 20mm BSP 3G bracket elbow |
| PHBE2515 | 25mm x 15mm BSP 3G bracket elbow |



**FEMALE ELBOWS**

|          |                                    |
|----------|------------------------------------|
| PHFE20   | 20mm x ½" Philmac 3G female elbow  |
| PHFE2020 | 20mm x ¾" Philmac 3G female elbow  |
| PHFE25   | 25mm x ¾" Philmac 3G female elbow  |
| PHFE2515 | 25mm x ½" Philmac 3G female elbow  |
| PHFE2525 | 25mm x 1" Philmac 3G female elbow  |
| PHFE32   | 32mm x 1" Philmac 3G female elbow  |
| PHFE3232 | 32mm x 1¼" Philmac 3G female elbow |
| PHFE40   | 40mm x 1¼" Philmac 3G female elbow |
| PHFE4040 | 40mm x 1½" Philmac 3G female elbow |
| PHFE50   | 50mm x 1½" Philmac 3G female elbow |
| PHFE5050 | 50mm x 2" Philmac 3G female elbow  |
| PHFE63   | 63mm x 2" Philmac 3G female elbow  |
| PHFE75   | 75mm x 2" Philmac 2G female elbow  |
| PHFE90   | 90mm x 3" Philmac 2G female elbow  |
| PHFE110  | 110mm x 4" Philmac 2G female tee   |



**MALE ELBOWS**

|          |                                  |
|----------|----------------------------------|
| PHME20   | 20mm x ½" Philmac 3G male elbow  |
| PHME25   | 25mm x ¾" Philmac 3G male elbow  |
| PHME32   | 32mm x 1" Philmac 3G male elbow  |
| PHME3232 | 32mm x 1¼" Philmac 3G male elbow |
| PHME40   | 40mm x 1¼" Philmac 3G male elbow |
| PHME50   | 50mm x 1½" Philmac 3G male elbow |
| PHME63   | 63mm x 2" Philmac 3G male elbow  |



**PHILMAC 3G METRIC® COMPRESSION FITTINGS**  
**POLYPROPYLENE BLACK. PN16 RATING**  
**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
BS 5114

20mm - 63mm 16 bar rating



**PHILMAC 3G METRIC® COMPRESSION FITTINGS**  
**45° DEGREE ANGLE COUPLING**

CODE DESCRIPTION

|          |                                     |
|----------|-------------------------------------|
| PHEL4525 | 25MM PHILMAC 3G M/D 45 DEGREE ELBOW |
| PHEL4532 | 32MM PHILMAC 3G M/D 45 DEGREE ELBOW |
| PHEL4540 | 40MM PHILMAC 3G M/D 45 DEGREE ELBOW |
| PHEL4550 | 50MM PHILMAC 3G M/D 45 DEGREE ELBOW |
| PHEL4563 | 63MM PHILMAC 3G M/D 45 DEGREE ELBOW |



**PHILMAC METRIC TAPPING SADDLES**

**STAINLESS STEEL BOLTS & NUTS**

PN 16 (Blue) pressure ratings.

Nitrile sealing gasket for excellent sealing performance and chemical resistance.

Suitable for contact with potable water.

High grade polypropylene body selected for its tough, high impact, lightweight and durable properties.

Stainless steel reinforcing rings on threaded branch. Bolt clips to facilitate easy assembly.

|           |                                   |
|-----------|-----------------------------------|
| PHTS2520  | Philmac 25mm x 20 tapping saddle  |
| PHTS3220  | Philmac 32mm x 20tapping saddle   |
| PHTS3225  | Philmac 32mm x 25tapping saddle   |
| PHTS4020  | Philmac 40mm x 20 tapping saddle  |
| PHTS4025  | Philmac 40mm x 25 tapping saddle  |
| PHTS5020  | Philmac 50mm x 20 tapping saddle  |
| PHTS5025  | Philmac 50mm x 25 tapping saddle  |
| PHTS6320  | Philmac 63mm x 20 tapping saddle  |
| PHTS6325  | Philmac 63mm x 25 tapping saddle  |
| PHTS6340  | Philmac 63mm x 40 tapping saddle  |
| PHTS7520  | Philmac 75mm x 20 tapping saddle  |
| PHTS7525  | Philmac 75mm x 25 tapping saddle  |
| PHTS7540  | Philmac 75mm x 40 tapping saddle  |
| PHTS7550  | Philmac 75mm x 50 tapping saddle  |
| PHTS9025  | Philmac 90mm x 25 tapping saddle  |
| PHTS9040  | Philmac 90mm x 40 tapping saddle  |
| PHTS9050  | Philmac 90mm x 50 tapping saddle  |
| PHTS11025 | Philmac 110mm x 25 tapping saddle |
| PHTS11040 | Philmac 110mm x 40 tapping saddle |
| PHTS11050 | Philmac 110mm x 50 tapping saddle |



**PHILMAC METRIC SEALS & SPANNER**

**COLLET & SEAL KITS**

|        |                                   |
|--------|-----------------------------------|
| PHCS20 | 20mm Philmac 3G collet & seal kit |
| PHCS25 | 25mm Philmac 3G collet & seal kit |
| PHCS32 | 32mm Philmac 3G collet & seal kit |
| PHCS40 | 40mm Philmac 3G collet & seal kit |
| PHCS50 | 50mm Philmac 3G collet & seal kit |
| PHCS63 | 63mm Philmac 3G collet & seal kit |



**PHILMAC 3G Y SPANNERS**

|      |                                  |
|------|----------------------------------|
| PHSS | 20mm - 32mm Philmac 3G Y Spanner |
| PHSM | 40mm - 63mm Philmac 3G Y Spanner |
| PHSL | 63mm - 110mm Philmac Y Spanner   |





The connection you can trust.

## PHILMAC UTC® Transition Fittings

### PHILMAC METRIC TRANSITION FITTINGS

#### POLYPROPYLENE BLACK

Max pressure rating PN 12.5

#### Philmac UTC® provides the ultimate connection

Without modification the same fitting connects to a variety of materials including PVC, copper, galvanised iron, ABS, lead, stainless steel and polyethylene. Each size fitting covers a range of pipe diameters providing a "Universal" solution.



### TRANSITION COUPLING

|              |   |
|--------------|---|
| PHTC20.15.21 | Philmac Transition Coupling 20 x 15-21 mm |
| PHTC20.21.27 | Philmac Transition Coupling 20 x 21-27 mm |
| PHTC25.15.21 | Philmac Transition Coupling 25 X 15-21 mm |
| PHTC25.21.27 | Philmac Transition Coupling 25 X 21-27 mm |
| PHTC25.27.34 | Philmac Transition Coupling 25 x 27-34 mm |
| PHTC32.27.34 | Philmac Transition Coupling 32 x 27-34 mm |
| PHTC32.34.39 | Philmac Transition Coupling 32 x 34-39 mm |
| PHTC32.39.43 | Philmac Transition Coupling 32 x 39-43 mm |
| PHTC50.47.49 | Philmac Transition Coupling 50 x 47-49 mm |
| PHTC63.47.49 | Philmac Transition Coupling 63 x 47-49 mm |
| PHTC63.59.61 | Philmac Transition Coupling 63 x 59-61 mm |



### TRANSITION MALE CONNECTOR

|               |   |
|---------------|---|
| PHTMC20.15.21 | Philmac Trans male connector 15-21mm x 3/4" |
| PHTMC20.21.27 | Philmac Trans male connector 21-27mm x 3/4" |
| PHTMC20.27.34 | Philmac Trans male connector 27-34mm x 3/4" |



### TRANSITION REDUCING DOUBLE ENDED

|            |  |
|------------|--|
| PHTRD21.15 | Philmac Trans reduce dbl end 21-27 x 15-21mm |
| PHTRD27.21 | Philmac Trans reduce dbl end 27-34 x 21-27mm |
| PHTRD27.15 | Philmac Trans reduce dbl end 27-34 x 15-21mm |
| PHTRD39.27 | Philmac Trans reduce dbl end 39-43 x 27-34mm |



### TRANSITION DOUBLE ENDED

|            |  |
|------------|--|
| PHTDE15.21 | Philmac Trans coupling double end 15-21 mm |
| PHTDE21.27 | Philmac Trans coupling double end 21-27 mm |
| PHTDE27.34 | Philmac Trans coupling double end 27-34 mm |
| PHTDE39.43 | Philmac Trans coupling double end 39-43 mm |
| PHTDE34.39 | Philmac Trans coupling double end 34-39 mm |
| PHTDE47.49 | Philmac Trans coupling double end 47-49 mm |
| PHTDE59.61 | Philmac Trans coupling double end 59-61 mm |



**PHILMAC METRIC TRANSITION FITTINGS**  
**POLYPROPYLENE BLACK**  
Max pressure rating PN 12.5

CODE DESCRIPTION

**TRANSITION DOUBLE ENDED ELBOW**

|             |  |
|-------------|--|
| PHTDEL15.21 | Philmac Transition double elbow 15-21 mm |
| PHTDEL21.27 | Philmac Transition double elbow 21-27 mm |

**TRANSITION ELBOW**

|              |  |
|--------------|--|
| PHTE25.15.21 | Philmac Transition Elbow 25 x 15-21 mm |
| PHTE25.21.27 | Philmac Transition Elbow 25 x 21-27 mm |
| PHTE25.27.34 | Philmac Transition Elbow 25 x 27-34 mm |
| PHTE32.21.27 | Philmac Transition Elbow 32 X 21-27 mm |
| PHTE32.27.34 | Philmac Transition Elbow 32 x 27-34 mm |

**TRANSITION TEE**

|           |                                 |
|-----------|---------------------------------|
| PHTT15.21 | Philmac Transition Tee 15-21 mm |
|-----------|---------------------------------|

**TRANSITION TEE FEMALE THREAD**

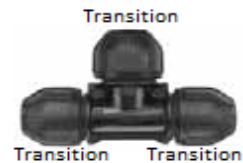
|            |   |
|------------|---|
| PHTTF15.20 | Philmac Transition tee female thread 15-21 x 3/4" |
| PHTTF15.25 | Philmac Transition tee female thread 15-21 x 1"   |
| PHTTF21.20 | Philmac Transition tee female thread 21-27 x 3/4" |
| PHTTF21.25 | Philmac Transition tee female thread 21-27 x 1"   |

**PHILMAC RURAL B CLASS POLY PIPE COMPRESSION FITTINGS**  
**POLYPROPYLENE BLACK**

|           |  |
|-----------|--|
| PHREC25   | Philmac rural compression elbow 25mm               |
| PHRFE25   | Philmac rural compression female elbow 25mm x 3/4" |
| PHRFE32   | Philmac rural compression female elbow 32mm x 1"   |
| PHRFC25   | Philmac rural compress. female coupler 25mm x 3/4" |
| PHRFC2525 | Philmac rural compress. female coupler 25mm x 1"   |
| PHRFC32   | Philmac rural compress. female coupler 32mm x 1"   |
| PHRSC25   | Philmac rural compression coupler 25mm             |



The connection you can trust.



**MACFLO® METRIC COMPRESSION FITTINGS  
 POLYPROPYLENE BLACK**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

**Complies with: ISO 3458,3459,3503,14236  
 BS 5114**

20mm - 63mm 16 bar rating

75mm - 110mm 10 bar rating



| CODE | DESCRIPTION |
|------|-------------|
|------|-------------|

**STRAIGHT COUPLING**

|        |                         |
|--------|-------------------------|
| MSC20  | 20mm straight coupling  |
| MSC25  | 25mm straight coupling  |
| MSC32  | 32mm straight coupling  |
| MSC40  | 40mm straight coupling  |
| MSC50  | 50mm straight coupling  |
| MSC63  | 63mm straight coupling  |
| MSC75  | 75mm straight coupling  |
| MSC90  | 90mm straight coupling  |
| MSC110 | 110mm straight coupling |



**MALE COUPLING**

|         |                          |
|---------|--------------------------|
| MMC20   | 20mm x ½" male coupling  |
| MMC2020 | 20mm x ¾" male coupling  |
| MMC25   | 25mm x ¾" male coupling  |
| MMC2525 | 25mm x 1" male coupling  |
| MMC32   | 32mm x 1" male coupling  |
| MMC3220 | 32mm x ¾" male coupling  |
| MMC40   | 40mm x 1¼" male coupling |
| MMC4025 | 40mm x 1" male coupling  |
| MMC4040 | 40mm x 1½" male coupling |
| MMC50   | 50mm x 1½" male coupling |
| MMC5032 | 50mm x 1¼" male coupling |
| MMC5050 | 50mm x 2" male coupling  |
| MMC63   | 63mm x 2" male coupling  |
| MMC7550 | 75mm x 2" male coupling  |
| MMC75   | 75mm x 2½" male coupling |
| MMC90   | 90mm x 3" male coupling  |
| MMC110  | 110mm x 4" male coupling |



**MACFLO® METRIC COMPRESSION FITTINGS  
POLYPROPYLENE BLACK**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
BS 5114

20mm - 63mm 16 bar rating

75mm - 110mm 10 bar rating



| CODE | DESCRIPTION |
|------|-------------|
|------|-------------|

**FEMALE COUPLING**

|         |                            |
|---------|----------------------------|
| MFC20   | 20mm x ½" female coupling  |
| MFC2020 | 20mm x ¾" female coupling  |
| MFC25   | 25mm x ¾" female coupling  |
| MFC2525 | 25mm x 1" female coupling  |
| MFC32   | 32mm x 1" female coupling  |
| MFC3220 | 32mm x ¾" female coupling  |
| MFC40   | 40mm x 1¼" female coupling |
| MFC4025 | 40mm x 1" female coupling  |
| MFC50   | 50mm x 1½" female coupling |
| MFC5032 | 50mm x 1¼" female coupling |
| MFC63   | 63mm x 2" female coupling  |
| MFC75   | 75mm x 2½" female coupling |
| MFC7550 | 75mm x 2" female coupling  |
| MFC90   | 90mm x 3" female coupling  |
| MFC110  | 110mm x 4" female coupling |



**ELBOWS**

|        |             |
|--------|-------------|
| MEL20  | 20mm elbow  |
| MEL25  | 25mm elbow  |
| MEL32  | 32mm elbow  |
| MEL40  | 40mm elbow  |
| MEL50  | 50mm elbow  |
| MEL63  | 63mm elbow  |
| MEL75  | 75mm elbow  |
| MEL90  | 90mm elbow  |
| MEL110 | 110mm elbow |



**MALE ELBOWS**

|         |                       |
|---------|-----------------------|
| MME20   | 20mm x ½" male elbow  |
| MME25   | 25mm x ¾" male elbow  |
| MME2525 | 25mm x 1" male elbow  |
| MME32   | 32mm x 1" male elbow  |
| MME3220 | 32mm x ¾" male elbow  |
| MME40   | 40mm x 1¼" male elbow |
| MME4025 | 40mm x 1" male elbow  |
| MME50   | 50mm x 1½" male elbow |
| MME63   | 63mm x 2" male elbow  |
| MME75   | 75mm x 2½" male elbow |
| MME7550 | 75mm x 2" male elbow  |
| MME90   | 90mm x 3" male elbow  |
| MME110  | 110mm x 4" male elbow |



**MACFLO® METRIC COMPRESSION FITTINGS  
 POLYPROPYLENE BLACK**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
 BS 5114

20mm - 63mm 16 bar rating

75mm - 110mm 10 bar rating



CODE DESCRIPTION

**FEMALE ELBOWS**

|         |                         |
|---------|-------------------------|
| MFE20   | 20mm x ½" female elbow  |
| MFE25   | 25mm x ¾" female elbow  |
| MFE32   | 32mm x 1" female elbow  |
| MFE3220 | 32mm x ¾" female elbow  |
| MFE40   | 40mm x 1¼" female elbow |
| MFE50   | 50mm x 1½" female elbow |
| MFE63   | 63mm x 2" female elbow  |
| MFE75   | 75mm x 2½" female elbow |
| MFE90   | 90mm x 3" female elbow  |
| MFE110  | 110mm x 4" female elbow |



**BRACKET ELBOW**

|       |                         |
|-------|-------------------------|
| MBE25 | 25mm X ¾" bracket elbow |
|-------|-------------------------|



**FEMALE TEES**

|         |                       |
|---------|-----------------------|
| MFT20   | 20mm x ½" female tee  |
| MFT25   | 25mm x ¾" female tee  |
| MFT32   | 32mm x 1" female tee  |
| MFT40   | 40mm x 1¼" female tee |
| MFT50   | 50mm x 1½" female tee |
| MFT5032 | 50mm x 1¼" female tee |
| MFT63   | 63mm x 2" female tee  |
| MFT75   | 75mm x 2½" female tee |
| MFT90   | 90mm x 3" female tee  |
| MFT110  | 110mm x 4" female tee |



**EQUAL TEES**

|        |                 |
|--------|-----------------|
| MET20  | 20mm equal tee  |
| MET25  | 25mm equal tee  |
| MET32  | 32mm equal tee  |
| MET40  | 40mm equal tee  |
| MET50  | 50mm equal tee  |
| MET63  | 63mm equal tee  |
| MET75  | 75mm equal tee  |
| MET90  | 90mm equal tee  |
| MET110 | 110mm equal tee |



**MACFLO® METRIC COMPRESSION FITTINGS  
POLYPROPYLENE BLACK**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236  
BS 5114

20mm - 63mm 16 bar rating

75mm - 110mm 10 bar rating



| CODE | DESCRIPTION |
|------|-------------|
|------|-------------|

**REDUCING TEES**

|          |                         |
|----------|-------------------------|
| MRT2520  | 25 x 20mm reducing tee  |
| MRT3225  | 32 x 25mm reducing tee  |
| MRT4025  | 40 x 25mm reducing tee  |
| MRT4032  | 40 x 32mm reducing tee  |
| MRT5032  | 50 x 32mm reducing tee  |
| MRT5040  | 50 x 40mm reducing tee  |
| MRT6332  | 63 x 32mm reducing tee  |
| MRT6350  | 63 x 50mm reducing tee  |
| MRT7550  | 75 x 50mm reducing tee  |
| MRT7563  | 75 x 63mm reducing tee  |
| MRT9063  | 90 x 63mm reducing tee  |
| MRT9075  | 90 x 75mm reducing tee  |
| MRT11090 | 110 x 90mm reducing tee |



**REDUCING COUPLING**

|          |                              |
|----------|------------------------------|
| MRC2520  | 25 x 20mm reducing coupling  |
| MRC3225  | 32 x 25mm reducing coupling  |
| MRC4025  | 40 x 25mm reducing coupling  |
| MRC4032  | 40 x 32mm reducing coupling  |
| MRC5025  | 50 x 25mm reducing coupling  |
| MRC5032  | 50 x 32mm reducing coupling  |
| MRC5040  | 50 x 40mm reducing coupling  |
| MRC6332  | 63 x 32mm reducing coupling  |
| MRC6340  | 63 x 40mm reducing coupling  |
| MRC6350  | 63 x 50mm reducing coupling  |
| MRC7563  | 75 x 63mm reducing coupling  |
| MRC9075  | 90 x 75mm reducing coupling  |
| MRC11090 | 110 x 90mm reducing coupling |



**END CAPS**

|        |               |
|--------|---------------|
| MEC20  | 20mm end cap  |
| MEC25  | 25mm end cap  |
| MEC32  | 32mm end cap  |
| MEC40  | 40mm end cap  |
| MEC50  | 50mm end cap  |
| MEC63  | 63mm end cap  |
| MEC75  | 75mm end cap  |
| MEC90  | 90mm end cap  |
| MEC110 | 110mm end cap |



**MACFLO® METRIC COMPRESSION FITTINGS**

**POLYPROPYLENE BLACK**

**FOR ALL MDPE PIPE - 6,9 & 12 BAR**

Complies with: ISO 3458,3459,3503,14236 BS 5114

20mm - 63mm 16 bar rating

75mm - 110mm 10 bar rating

**TAPPING SADDLES**

Stainless steel bolts



| CODE     | DESCRIPTION               |
|----------|---------------------------|
| MTS2515  | 25mm x ½" tapping saddle  |
| MTS2520  | 25mm x ¾" tapping saddle  |
| MTS3220  | 32mm x ¾" tapping saddle  |
| MTS3225  | 32mm x 1" tapping saddle  |
| MTS4020  | 40mm x ¾" tapping saddle  |
| MTS4025  | 40mm x 1" tapping saddle  |
| MTS5020  | 50mm x ¾" tapping saddle  |
| MTS5025  | 50mm x 1" tapping saddle  |
| MTS6320  | 63mm x ¾" tapping saddle  |
| MTS6325  | 63mm x 1" tapping saddle  |
| MTS6332  | 63mm x 1¼" tapping saddle |
| MTS6340  | 63mm x 1½" tapping saddle |
| MTS7532  | 75mm x 1¼" tapping saddle |
| MTS7540  | 75mm x 1½" tapping saddle |
| MTS9032  | 90mm x 1¼" tapping saddle |
| MTS9040  | 90mm x 1½" tapping saddle |
| MTS9050  | 90mm x 2" tapping saddle  |
| MTS11050 | 110mm x 2" tapping saddle |



**MACFLO POLY SPANNER**

COVERS 20MM ¾" to 63MM 2 1/2"

|     |                               |
|-----|-------------------------------|
| MSD | MACFLO SPANNER - DOUBLE ENDED |
|-----|-------------------------------|



**MACFLO PIPE REAMER**

COVERS 20MM ¾" to 63MM 2 1/2"

|     |                    |
|-----|--------------------|
| MPR | Macflo Pipe Reamer |
|-----|--------------------|



### STAINLESS STEEL PIPE FITTINGS

Suitable for LD polythene pipe 304 stainless steel

All threaded ends and ring nuts are brass nickel-plated

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

### STAINLESS STEEL RINGNUTS

Need to be ordered separately - If not stated on order fitting will come with no Stainless Steel Rings

|          |                           |
|----------|---------------------------|
| SSBNU020 | 20mm back nut             |
| SSBNU025 | 25mm back nut             |
| SR32     | 32mm Stainless Steel Ring |
| SR40     | 40mm Stainless Steel Ring |
| SR50     | 50mm Stainless Steel Ring |



### STRAIGHT COUPLINGS

|      |                        |
|------|------------------------|
| SC15 | 15mm straight coupling |
| SC20 | 20mm straight coupling |
| SC25 | 25mm straight coupling |
| SC32 | 32mm straight coupling |
| SC40 | 40mm straight coupling |
| SC50 | 50mm straight coupling |



### LENGTH 300MM LONG

|       |                                     |
|-------|-------------------------------------|
| SC15L | 15mm straight coupling - 300mm long |
| SC20L | 20mm straight coupling - 300mm long |
| SC25L | 25mm straight coupling - 300mm long |
| SC32L | 32mm straight coupling - 300mm long |
| SC40L | 40mm straight coupling - 300mm long |
| SC50L | 50mm straight coupling - 300mm long |

### MALE COUPLINGS

|       |                    |
|-------|--------------------|
| SMC15 | 15mm male coupling |
| SMC20 | 20mm male coupling |
| SMC25 | 25mm male coupling |
| SMC32 | 32mm male coupling |
| SMC40 | 40mm male coupling |
| SMC50 | 50mm male coupling |



### FEMALE COUPLINGS

|       |                      |
|-------|----------------------|
| SFC15 | 15mm female coupling |
| SFC20 | 20mm female coupling |
| SFC25 | 25mm female coupling |
| SFC32 | 32mm female coupling |
| SFC40 | 40mm female coupling |
| SFC50 | 50mm female coupling |



Other sizes of stainless steel fittings can be made to order

**STAINLESS STEEL PIPE FITTINGS**

Suitable for LD polythene pipe 304 stainless steel

All threaded ends and ring nuts are brass nickel-plated

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**BENDS**

|      |                      |
|------|----------------------|
| SB15 | 15mm bend 90° degree |
| SB20 | 20mm bend 90° degree |
| SB25 | 25mm bend 90° degree |
| SB32 | 32mm bend 90° degree |
| SB40 | 40mm bend 90° degree |
| SB50 | 50mm bend 90° degree |



|        |                      |
|--------|----------------------|
| SB4525 | 25mm bend 45° degree |
|--------|----------------------|



**MALE BENDS**

|       |                           |
|-------|---------------------------|
| SMB15 | 15mm male bend 90° degree |
| SMB20 | 20mm male bend 90° degree |
| SMB25 | 25mm male bend 90° degree |
| SMB32 | 32mm male bend 90° degree |
| SMB40 | 40mm male bend 90° degree |
| SMB50 | 50mm male bend 90° degree |



**STAINLESS STEEL PIPE FITTINGS**

Suitable for LD polythene pipe 304 stainless steel

All threaded ends and ring nuts are brass nickel-plated

NOTE: for reducing threaded fittings - thread size is first two numbers of code

CODE DESCRIPTION

**TROUGH FILLERS  
 (Goosenecks)**

**STAINLES RINGS INCLUDED**

|         |                          |
|---------|--------------------------|
| SGNS20  | 20mm short gooseneck     |
| SGNS20F | 20mm short gooseneck f/f |
| SGNL20  | 20mm long gooseneck      |
| SGNL20F | 20mm long gooseneck f/f  |
| SGNS25  | 25mm short gooseneck     |
| SGNS25F | 25mm short gooseneck f/f |
| SGNL25  | 25mm long gooseneck      |
| SGNL25F | 25mm long gooseneck f/f  |
| SGNS32  | 32mm short gooseneck     |



**PHILMAC BSP THREADED FITTINGS**

Black, Glass Reinforced Polypropylene 15 Bar (217 psi)

| CODE               | DESCRIPTION              | PACK NO |
|--------------------|--------------------------|---------|
| <b>HEX NIPPLES</b> |                          |         |
| PHHN15             | 15MM PHILMAC HEX NIPPLE  | 20      |
| PHHN20             | 20MM PHILMAC HEX NIPPLE  | 20      |
| PHHN25             | 25MM PHILMAC HEX NIPPLE  | 20      |
| PHHN32             | 32MM PHILMAC HEX NIPPLE  | 10      |
| PHHN40             | 40MM PHILMAC HEX NIPPLE  | 10      |
| PHHN50             | 50MM PHILMAC HEX NIPPLE  | 10      |
| PHHN65             | 65MM PHILMAC HEX NIPPLE  | 1       |
| PHHN80             | 80MM PHILMAC HEX NIPPLE  | 1       |
| PHHN100            | 100MM PHILMAC HEX NIPPLE | 1       |



|                    |                          |    |
|--------------------|--------------------------|----|
| <b>HEX SOCKETS</b> |                          |    |
| PHHS15             | 15MM PHILMAC HEX SOCKET  | 20 |
| PHHS20             | 20MM PHILMAC HEX SOCKET  | 20 |
| PHHS25             | 25MM PHILMAC HEX SOCKET  | 20 |
| PHHS32             | 32MM PHILMAC HEX SOCKET  | 10 |
| PHHS40             | 40MM PHILMAC HEX SOCKET  | 10 |
| PHHS50             | 50MM PHILMAC HEX SOCKET  | 10 |
| PHHS65             | 65MM PHILMAC HEX SOCKET  | 1  |
| PHHS80             | 80MM PHILMAC HEX SOCKET  | 1  |
| PHHS100            | 100MM PHILMAC HEX SOCKET | 1  |



|                               |                            |    |
|-------------------------------|----------------------------|----|
| <b>FEMALE THREADED ELBOWS</b> |                            |    |
| PHTFE15                       | 15MM PHILMAC FEMALE ELBOW  | 10 |
| PHTFE20                       | 20MM PHILMAC FEMALE ELBOW  | 10 |
| PHTFE25                       | 25MM PHILMAC FEMALE ELBOW  | 10 |
| PHTFE32                       | 32MM PHILMAC FEMALE ELBOW  | 5  |
| PHTFE40                       | 40MM PHILMAC FEMALE ELBOW  | 5  |
| PHTFE50                       | 50MM PHILMAC FEMALE ELBOW  | 2  |
| PHTFE65                       | 65MM PHILMAC FEMALE ELBOW  | 1  |
| PHTFE80                       | 80MM PHILMAC FEMALE ELBOW  | 1  |
| PHTFE100                      | 100MM PHILMAC FEMALE ELBOW | 1  |



|                                    |                        |    |
|------------------------------------|------------------------|----|
| <b>MALE/FEMALE THREADED ELBOWS</b> |                        |    |
| PHTMFE15                           | 15MM PHILMAC M/F ELBOW | 10 |
| PHTMFE20                           | 20MM PHILMAC M/F ELBOW | 10 |
| PHTMFE25                           | 25MM PHILMAC M/F ELBOW | 10 |
| PHTMFE32                           | 32MM PHILMAC M/F ELBOW | 5  |
| PHTMFE40                           | 40MM PHILMAC M/F ELBOW | 5  |
| PHTMFE50                           | 50MM PHILMAC M/F ELBOW | 1  |



## PHILMAC BSP THREADED FITTINGS

Black, Glass Reinforced Polypropylene 15 Bar (217 psi)

| CODE                        | DESCRIPTION                        | PACK NO |
|-----------------------------|------------------------------------|---------|
| <b>REDUCING HEX NIPPLES</b> |                                    |         |
| PHRN2015                    | 20 X 15MM PHILMAC RED HEX NIPPLE   | 20      |
| PHRN2515                    | 25 X 15MM PHILMAC RED HEX NIPPLE   | 20      |
| PHRN2520                    | 25 X 20MM PHILMAC RED HEX NIPPLE   | 20      |
| PHRN3215                    | 32 X 15MM PHILMAC REDUCING NIPPLE  | 10      |
| PHRN3220                    | 32 X 20MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN3225                    | 32 X 25MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN4015                    | 40 X 15MM PHILMAC REDUCING NIPPLE  | 10      |
| PHRN4020                    | 40 X 20MM PHILMAC REDUCING NIPPLE  | 10      |
| PHRN4025                    | 40 X 25MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN4032                    | 40 X 32MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN5015                    | 50 X 15MM PHILMAC REDUCING NIPPLE  | 10      |
| PHRN5020                    | 50 X 20MM PHILMAC REDUCING NIPPLE  | 10      |
| PHRN5025                    | 50 X 25MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN5032                    | 50 X 32MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN5040                    | 50 X 40MM PHILMAC RED HEX NIPPLE   | 10      |
| PHRN6532                    | 65 X 32MM PHILMAC REDUCING NIPPLE  | 1       |
| PHRN6540                    | 65 X 40MM PHILMAC REDUCING NIPPLE  | 1       |
| PHRN6550                    | 65 X 50MM PHILMAC REDUCING NIPPLE  | 1       |
| PHRN8040                    | 65 X 40MM PHILMAC REDUCING NIPPLE  | 1       |
| PHRN8050                    | 80 X 50MM PHILMAC REDUCING NIPPLE  | 1       |
| PHRN8065                    | 80 X 65MM PHILMAC REDUCING NIPPLE  | 1       |
| PHRN10050                   | 100 X 50MM PHILMAC REDUCING NIPPLE | 1       |
| PHRN10065                   | 100 X 65MM PHILMAC REDUCING NIPPLE | 1       |
| PHRN10080                   | 100 X 80MM PHILMAC REDUCING NIPPLE | 1       |



## REDUCING HEX SOCKETS

|           |                                   |    |
|-----------|-----------------------------------|----|
| PHRS2015  | 20 X 15MM PHILMAC RED HEX SOCKET  | 20 |
| PHRS2515  | 25 X 15MM PHILMAC RED HEX SOCKET  | 20 |
| PHRS2520  | 25 X 20MM PHILMAC RED HEX SOCKET  | 20 |
| PHRS3220  | 32 X 20MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS3225  | 32 X 25MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS4020  | 40 X 20MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS4025  | 40 X 25MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS4032  | 40 X 32MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS5015  | 50 X 15MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS5020  | 50 X 20MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS5025  | 50 X 25MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS5032  | 50 X 32MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS5040  | 50 X 40MM PHILMAC RED HEX SOCKET  | 10 |
| PHRS6540  | 65 X 40MM PHILMAC RED HEX SOCKET  | 1  |
| PHRS6550  | 65 X 50MM PHILMAC RED HEX SOCKET  | 1  |
| PHRS8050  | 80 X 50MM PHILMAC RED HEX SOCKET  | 1  |
| PHRS8065  | 80 X 65MM PHILMAC RED HEX SOCKET  | 1  |
| PHRS10065 | 100 X 65MM PHILMAC RED HEX SOCKET | 1  |
| PHRS10080 | 100 X 80MM PHILMAC RED HEX SOCKET | 1  |



**PHILMAC BSP THREADED FITTINGS**

Black, Glass Reinforced Polypropylene 15 Bar (217 psi)

| CODE                    | DESCRIPTION                      | PACK NO |
|-------------------------|----------------------------------|---------|
| <b>REDUCING BRUSHES</b> |                                  |         |
| PHRB2015                | 20 X 15MM PHILMAC REDUCING BUSH  | 20      |
| PHRB2515                | 25 X 15MM PHILMAC REDUCING BUSH  | 20      |
| PHRB2520                | 25 X 20MM PHILMAC REDUCING BUSH  | 20      |
| PHRB3215                | 32 X 15MM PHILMAC REDUCING BUSH  | 20      |
| PHRB3220                | 32 X 20MM PHILMAC REDUCING BUSH  | 10      |
| PHRB3225                | 32 X 25MM PHILMAC REDUCING BUSH  | 10      |
| PHRB4015                | 40 X 15MM PHILMAC REDUCING BUSH  | 10      |
| PHRB4020                | 40 X 20MM PHILMAC REDUCING BUSH  | 10      |
| PHRB4025                | 40 X 25MM PHILMAC REDUCING BUSH  | 10      |
| PHRB4032                | 40 X 32MM PHILMAC REDUCING BUSH  | 10      |
| PHRB5015                | 50 X 15MM PHILMAC REDUCING BUSH  | 10      |
| PHRB5020                | 50 X 20MM PHILMAC REDUCING BUSH  | 10      |
| PHRB5025                | 50 X 25MM PHILMAC REDUCING BUSH  | 10      |
| PHRB5032                | 50 X 32MM PHILMAC REDUCING BUSH  | 10      |
| PHRB5040                | 50 X 40MM PHILMAC REDUCING BUSH  | 10      |
| PHRB6532                | 65 X 32MM PHILMAC REDUCING BUSH  | 1       |
| PHRB6540                | 65 X 40MM PHILMAC REDUCING BUSH  | 1       |
| PHRB6550                | 65 X 50MM PHILMAC REDUCING BUSH  | 1       |
| PHRB8040                | 80 X 40MM PHILMAC REDUCING BUSH  | 1       |
| PHRB8050                | 80 X 50MM PHILMAC REDUCING BUSH  | 1       |
| PHRB8065                | 80 X 65MM PHILMAC REDUCING BUSH  | 1       |
| PHRB10050               | 100 X 50MM PHILMAC REDUCING BUSH | 1       |
| PHRB10065               | 100 X 65MM PHILMAC REDUCING BUSH | 1       |
| PHRB10080               | 100 X 80MM PHILMAC REDUCING BUSH | 1       |



**HEX CAPS**

|         |                   |    |
|---------|-------------------|----|
| PHHC15  | 15MM PHILMAC CAP  | 20 |
| PHHC20  | 20MM PHILMAC CAP  | 20 |
| PHHC25  | 25MM PHILMAC CAP  | 20 |
| PHHC32  | 32MM PHILMAC CAP  | 10 |
| PHHC40  | 40MM PHILMAC CAP  | 10 |
| PHHC50  | 50MM PHILMAC CAP  | 10 |
| PHHC65  | 65MM PHILMAC CAP  | 1  |
| PHHC80  | 80MM PHILMAC CAP  | 1  |
| PHHC100 | 100MM PHILMAC CAP | 1  |



**HEX PLUGS**

|         |                        |    |
|---------|------------------------|----|
| PHHP15  | 15MM PHILMAC HEX PLUG  | 20 |
| PHHP20  | 20MM PHILMAC HEX PLUG  | 20 |
| PHHP25  | 25MM PHILMAC HEX PLUG  | 20 |
| PHHP32  | 32MM PHILMAC HEX PLUG  | 10 |
| PHHP40  | 40MM PHILMAC HEX PLUG  | 10 |
| PHHP50  | 50MM PHILMAC HEX PLUG  | 10 |
| PHHP65  | 65MM PHILMAC HEX PLUG  | 1  |
| PHHP80  | 80MM PHILMAC HEX PLUG  | 1  |
| PHHP100 | 100MM PHILMAC HEX PLUG | 1  |



**PHILMAC BSP THREADED FITTINGS**

Black, Glass Reinforced Polypropylene 15 Bar (217 psi)

| CODE                        | DESCRIPTION                       | PACK NO |
|-----------------------------|-----------------------------------|---------|
| <b>FEMALE THREADED TEES</b> |                                   |         |
| PHTFT15                     | 15MM PHILMAC THREADED FEMALE TEE  | 10      |
| PHTFT20                     | 20MM PHILMAC THREADED FEMALE TEE  | 10      |
| PHTFT25                     | 25MM PHILMAC THREADED FEMALE TEE  | 10      |
| PHTFT32                     | 32MM PHILMAC THREADED FEMALE TEE  | 5       |
| PHTFT40                     | 40MM PHILMAC THREADED FEMALE TEE  | 5       |
| PHTFT50                     | 50MM PHILMAC THREADED FEMALE TEE  | 1       |
| PHTFT65                     | 65MM PHILMAC THREADED FEMALE TEE  | 1       |
| PHTFT80                     | 80MM PHILMAC THREADED FEMALE TEE  | 1       |
| PHTFT100                    | 100MM PHILMAC THREADED FEMALE TEE | 1       |



**POLYPROPYLENE RISERS**

|            |                                 |   |
|------------|---------------------------------|---|
| PHPR15100  | 15 X 100MM LONG POLYPROP RISER  | 1 |
| PHPR15150  | 15 X 150MM LONG POLYPROP RISER  | 1 |
| PHPR15300  | 15 X 300MM LONG POLYPROP RISER  | 1 |
| PHPR15450  | 15 X 450MM LONG POLYPROP RISER  | 1 |
| PHPR15600  | 15 X 600MM LONG POLYPROP RISER  | 1 |
| PHPR15750  | 15 X 750MM LONG POLYPROP RISER  | 1 |
| PHPR15900  | 15 X 900MM LONG POLYPROP RISER  | 1 |
| PHPR20100  | 20 X 100MM LONG POLYPROP RISER  | 1 |
| PHPR20150  | 20 X 150MM LONG POLYPROP RISER  | 1 |
| PHPR20300  | 20 X 300MM LONG POLYPROP RISER  | 1 |
| PHPR20450  | 20 X 450MM LONG POLYPROP RISER  | 1 |
| PHPR20600  | 20 X 600MM LONG POLYPROP RISER  | 1 |
| PHPR20750  | 20 X 750MM LONG POLYPROP RISER  | 1 |
| PHPR20900  | 20 X 900MM LONG POLYPROP RISER  | 1 |
| PHPR201200 | 20 X 1200MM LONG POLYPROP RISER | 1 |
| PHPR25100  | 25 X 100MM LONG POLYPROP RISER  | 1 |
| PHPR25150  | 25 X 150MM LONG POLYPROP RISER  | 1 |
| PHPR25300  | 25 X 300MM LONG POLYPROP RISER  | 1 |
| PHPR25450  | 25 X 450MM LONG POLYPROP RISER  | 1 |
| PHPR25600  | 25 X 600MM LONG POLYPROP RISER  | 1 |
| PHPR25750  | 25 X 750MM LONG POLYPROP RISER  | 1 |
| PHPR25900  | 25 X 900MM LONG POLYPROP RISER  | 1 |
| PHPR251200 | 25 X 1200MM LONG POLYPROP RISER | 1 |
| PHPR32150  | 32 X 150MM LONG POLYPROP RISER  | 1 |
| PHPR32300  | 32 X 300MM LONG POLYPROP RISER  | 1 |
| PHPR32450  | 32 X 450MM LONG POLYPROP RISER  | 1 |
| PHPR32600  | 32 X 600MM LONG POLYPROP RISER  | 1 |
| PHPR40150  | 40 X 150MM LONG POLYPROP RISER  | 1 |
| PHPR40300  | 40 X 300MM LONG POLYPROP RISER  | 1 |
| PHPR40450  | 40 X 450MM LONG POLYPROP RISER  | 1 |
| PHPR40600  | 40 X 600MM LONG POLYPROP RISER  | 1 |
| PHPR50150  | 50 X 150MM LONG POLYPROP RISER  | 1 |
| PHPR50300  | 50 X 300MM LONG POLYPROP RISER  | 1 |
| PHPR50450  | 50 X 450MM LONG POLYPROP RISER  | 1 |
| PHPR50600  | 50 X 600MM LONG POLYPROP RISER  | 1 |



#### NUT & TAIL

| CODE   | DESCRIPTION             | PACK NO |
|--------|-------------------------|---------|
| PHNT20 | 20MM PHILMAC NUT & TAIL |         |
| PHNT25 | 25MM PHILMAC NUT & TAIL |         |
| PHNT32 | 32MM PHILMAC NUT & TAIL |         |
| PHNT40 | 40MM PHILMAC NUT & TAIL |         |
| PHNT50 | 50MM PHILMAC NUT & TAIL |         |



#### REDUCING NUT & TAIL

|           |                                  |
|-----------|----------------------------------|
| PHRNT2015 | 20 X 15MM PHILMAC RED NUT & TAIL |
| PHRNT2515 | 25 X 15MM PHILMAC RED NUT & TAIL |
| PHRNT2520 | 25 X 20MM PHILMAC RED NUT & TAIL |



#### MALE THREADED HOSE TAIL (NYLON)

|         |                             |
|---------|-----------------------------|
| RXMHT15 | 15MM MALE HOSE TAIL         |
| PHMHT20 | 20MM PHILMAC MALE HOSE TAIL |
| PHMHT25 | 25MM PHILMAC MALE HOSE TAIL |
| PHMHT32 | 32MM PHILMAC MALE HOSE TAIL |
| PHMHT40 | 40MM PHILMAC MALE HOSE TAIL |
| PHMHT50 | 50MM PHILMAC MALE HOSE TAIL |



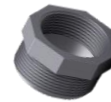
#### REDUCING MALE THREADED HOSE TAIL (NYLON)

|            |                                |
|------------|--------------------------------|
| PHRMHT2025 | 20 X 1" BSP RED MALE HOSE TAIL |
| PHRMHT2532 | 25 X 1 1/4" RED MALE HOSE TAIL |
| PHRMHT3225 | 32 X 1" BSP RED MALE HOSE TAIL |



#### PVC REDUCING BUSH

|         |                             |    |
|---------|-----------------------------|----|
| MRB1508 | 15 X 8MM PVC REDUCING BUSH  | 10 |
| PRB6550 | 65 X 50MM PVC REDUCING BUSH | 1  |



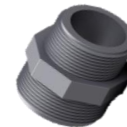
#### PVC THREADED SOCKET

|       |                     |   |
|-------|---------------------|---|
| PHS65 | 65MM PVC HEX SOCKET | 1 |
| PHS80 | 80MM PVC HEX SOCKET | 1 |



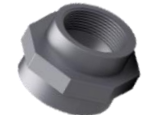
#### PVC THREADED REDUCING HEX NIPPLE

|         |                               |   |
|---------|-------------------------------|---|
| PRN6550 | 65 X 50MM PVC REDUCING NIPPLE | 1 |
|---------|-------------------------------|---|



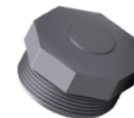
#### PVC THREADED REDUCING SOCKET

|         |                               |   |
|---------|-------------------------------|---|
| PRS6550 | 65 x 50MM PVC REDUCING SOCKET | 1 |
|---------|-------------------------------|---|



#### PVC THREADED PLUG

|       |                |   |
|-------|----------------|---|
| PP65  | 65MM PVC PLUG  | 1 |
| PP80  | 80MM PVC PLUG  | 1 |
| PP100 | 100MM PVC PLUG | 1 |



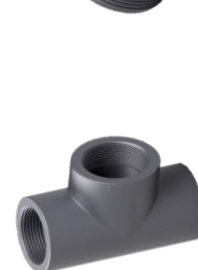
#### PVC THREADED FEMALE ELBOW

|        |                             |   |
|--------|-----------------------------|---|
| PTFE65 | 65MM PVC THREADED ELBOW F/F | 1 |
| PTFE80 | 80MM PVC THREADED ELBOW F/F | 1 |



#### PVC THREADED FEMALE TEE

|        |                           |   |
|--------|---------------------------|---|
| PTFT65 | 65MM PLASTIC THREADED TEE | 1 |
| PTFT80 | 80MM PLASTIC THREADED TEE | 1 |



**STAINLESS STEEL THREADED FITTINGS**

**316 Stainless Steel**

CODE DESCRIPTION

**REDUCING BUSHES**

|          |                                 |
|----------|---------------------------------|
| SSRB1008 | 10 X 8MM 316 S/S REDUCING BUSH  |
| SSRB1508 | 15 X 8MM 316 S/S REDUCING BUSH  |
| SSRB1510 | 15 X 10MM 316 S/S REDUCING BUSH |
| SSRB2008 | 20 X 8MM 316 S/S REDUCING BUSH  |
| SSRB2015 | 20 X 15MM 316 S/S REDUCING BUSH |
| SSRB2515 | 25 X 15MM 316 S/S REDUCING BUSH |
| SSRB2520 | 25 X 20MM 316 S/S REDUCING BUSH |
| SSRB3220 | 32 X 20MM 316 S/S REDUCING BUSH |
| SSRB3225 | 32 X 25MM 316 S/S REDUCING BUSH |
| SSRB4020 | 40 X 20MM 316 S/S REDUCING BUSH |
| SSRB4025 | 40 X 25MM 316 S/S REDUCING BUSH |
| SSRB4032 | 40 X 32MM 316 S/S REDUCING BUSH |
| SSRB5020 | 50 X 20MM 316 S/S REDUCING BUSH |
| SSRB5025 | 50 X 25MM 316 S/S REDUCING BUSH |
| SSRB5032 | 50 X 32MM 316 S/S REDUCING BUSH |
| SSRB5040 | 50 X 40MM 316 S/S REDUCING BUSH |



**REDUCING HEX NIPPLE**

|           |                                       |
|-----------|---------------------------------------|
| SSRHN1508 | 15 X 8MM 316 S/S REDUCING HEX NIPPLE  |
| SSRHN2008 | 20 X 8MM 316 S/S REDUCING HEX NIPPLE  |
| SSRHN2015 | 20 X 15MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN2508 | 25 X 8MM 316 S/S REDUCING HEX NIPPLE  |
| SSRHN2515 | 25 X 15MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN2520 | 25 X 20MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN3220 | 32 X 20MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN3225 | 32 X 25MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN4025 | 40 X 25MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN4032 | 40 X 32MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN5025 | 50 X 25MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN5032 | 50 X 32MM 316 S/S REDUCING HEX NIPPLE |
| SSRHN5040 | 50 X 40MM 316 S/S REDUCING HEX NIPPLE |



**HEX NIPPLE**

|         |                         |
|---------|-------------------------|
| SSHNO08 | 8MM 316 S/S HEX NIPPLE  |
| SSHNO15 | 15MM 316 S/S HEX NIPPLE |
| SSHNO20 | 20MM 316 S/S HEX NIPPLE |
| SSHNO25 | 25MM 316 S/S HEX NIPPLE |
| SSHNO32 | 32MM 316 S/S HEX NIPPLE |
| SSHNO40 | 40MM 316 S/S HEX NIPPLE |
| SSHNO50 | 50MM 316 S/S HEX NIPPLE |



**SOCKETS**

|        |                     |
|--------|---------------------|
| SSS008 | 8MM 316 S/S SOCKET  |
| SSS010 | 10MM 316 S/S SOCKET |
| SSS015 | 15MM 316 S/S SOCKET |
| SSS020 | 20MM 316 S/S SOCKET |
| SSS025 | 25MM 316 S/S SOCKET |
| SSS032 | 32MM 316 S/S SOCKET |
| SSS040 | 40MM 316 S/S SOCKET |
| SSS050 | 50MM 316 S/S SOCKET |
| SSS065 | 65MM 316 S/S SOCKET |
| SSS080 | 80MM 316 S/S SOCKET |



**STAINLESS STEEL THREADED FITTINGS**

**316 Stainless Steel**

CODE DESCRIPTION

**REDUCING SOCKETS**

|          |                                   |
|----------|-----------------------------------|
| SSRS2015 | 20 X 15MM 316 S/S REDUCING SOCKET |
| SSRS2520 | 25 X 20MM 316 S/S REDUCING SOCKET |
| SSRS3220 | 32 X 20MM 316 S/S REDUCING SOCKET |
| SSRS3225 | 32 X 25MM 316 S/S REDUCING SOCKET |
| SSRS4025 | 40 X 25MM 316 S/S REDUCING SOCKET |
| SSRS4032 | 40 X 32MM 316 S/S REDUCING SOCKET |
| SSRS5032 | 50 X 32MM 316 S/S REDUCING SOCKET |
| SSRS5040 | 50 X 40MM 316 S/S REDUCING SOCKET |



**EQUAL TEE**

|         |                        |
|---------|------------------------|
| SSET008 | 8MM 316 S/S EQUAL TEE  |
| SSET010 | 10MM 316 S/S EQUAL TEE |
| SSET015 | 15MM 316 S/S EQUAL TEE |
| SSET020 | 20MM 316 S/S EQUAL TEE |
| SSET025 | 25MM 316 S/S EQUAL TEE |
| SSET032 | 32MM 316 S/S EQUAL TEE |
| SSET040 | 40MM 316 S/S EQUAL TEE |
| SSET050 | 50MM 316 S/S EQUAL TEE |



**BACKNUT**

|          |                      |
|----------|----------------------|
| SSBNU015 | 15MM 316 S/S BACKNUT |
| SSBNU020 | 20MM 316 S/S BACKNUT |
| SSBNU025 | 25MM 316 S/S BACKNUT |
| SSBNU032 | 32MM 316 S/S BACKNUT |
| SSBNU040 | 40MM 316 S/S BACKNUT |
| SSBNU050 | 50MM 316 S/S BACKNUT |



**BARREL NIPPLE**

|         |                            |
|---------|----------------------------|
| SSBN008 | 8MM 316 S/S BARREL NIPPLE  |
| SSBN015 | 15MM 316 S/S BARREL NIPPLE |
| SSBN020 | 20MM 316 S/S BARREL NIPPLE |
| SSBN025 | 25MM 316 S/S BARREL NIPPLE |
| SSBN032 | 32MM 316 S/S BARREL NIPPLE |
| SSBN040 | 40MM 316 S/S BARREL NIPPLE |
| SSBN050 | 50MM 316 S/S BARREL NIPPLE |



**MAC UNION**

|         |                        |
|---------|------------------------|
| SSMU015 | 15MM 316 S/S MAC UNION |
| SSMU020 | 20MM 316 S/S MAC UNION |
| SSMU025 | 25MM 316 S/S MAC UNION |
| SSMU032 | 32MM 316 S/S MAC UNION |
| SSMU040 | 40MM 316 S/S MAC UNION |
| SSMU050 | 50MM 316 S/S MAC UNION |



**STAINLESS STEEL THREADED FITTINGS**

**316 Stainless Steel**

CODE DESCRIPTION

**FEMALE ELBOW**

|         |                           |
|---------|---------------------------|
| SSFE008 | 8MM 316 S/S FEMALE ELBOW  |
| SSFE010 | 10MM 316 S/S FEMALE ELBOW |
| SSFE015 | 15MM 316 S/S FEMALE ELBOW |
| SSFE020 | 20MM 316 S/S FEMALE ELBOW |
| SSFE025 | 25MM 316 S/S FEMALE ELBOW |
| SSFE032 | 32MM 316 S/S FEMALE ELBOW |
| SSFE040 | 40MM 316 S/S FEMALE ELBOW |
| SSFE050 | 50MM 316 S/S FEMALE ELBOW |



**MALE / FEMALE ELBOWS**

|          |                        |
|----------|------------------------|
| SSMFE008 | 8MM 316 S/S M/F ELBOW  |
| SSMFE010 | 10MM 316 S/S M/F ELBOW |
| SSMFE015 | 15MM 316 S/S M/F ELBOW |
| SSMFE020 | 20MM 316 S/S M/F ELBOW |
| SSMFE025 | 25MM 316 S/S M/F ELBOW |
| SSMFE032 | 32MM 316 S/S M/F ELBOW |
| SSMFE040 | 40MM 316 S/S M/F ELBOW |
| SSMFE050 | 50MM 316 S/S M/F ELBOW |



**PLUG**

|        |                   |
|--------|-------------------|
| SSP008 | 8MM 316 S/S PLUG  |
| SSP010 | 10MM 316 S/S PLUG |
| SSP015 | 15MM 316 S/S PLUG |
| SSP020 | 20MM 316 S/S PLUG |
| SSP025 | 25MM 316 S/S PLUG |
| SSP032 | 32MM 316 S/S PLUG |
| SSP040 | 40MM 316 S/S PLUG |
| SSP050 | 50MM 316 S/S PLUG |



**CAP**

|        |                  |
|--------|------------------|
| SSC025 | 25MM 316 S/S CAP |
| SSC032 | 32MM 316 S/S CAP |



**WELD NIPPLE**

|         |                          |
|---------|--------------------------|
| SSWN008 | 8MM 316 S/S WELD NIPPLE  |
| SSWN015 | 15MM 316 S/S WELD NIPPLE |
| SSWN020 | 20MM 316 S/S WELD NIPPLE |
| SSWN025 | 25MM 316 S/S WELD NIPPLE |
| SSWN032 | 32MM 316 S/S WELD NIPPLE |
| SSWN040 | 40MM 316 S/S WELD NIPPLE |
| SSWN050 | 50MM 316 S/S WELD NIPPLE |



**MALE HOSE TAIL**

|          |                             |
|----------|-----------------------------|
| SSMHT008 | 8MM 316 S/S MALE HOSE TAIL  |
| SSMHT015 | 15MM 316 S/S MALE HOSE TAIL |
| SSMHT020 | 20MM 316 S/S MALE HOSE TAIL |
| SSMHT025 | 25MM 316 S/S MALE HOSE TAIL |
| SSMHT032 | 32MM 316 S/S MALE HOSE TAIL |
| SSMHT040 | 40MM 316 S/S MALE HOSE TAIL |
| SSMHT050 | 50MM 316 S/S MALE HOSE TAIL |



**GALV THREADED FITTINGS**

CODE DESCRIPTION

**STAINLESS MALE HOSE TAIL**

|         |                                      |
|---------|--------------------------------------|
| SMHT20  | 20mm Stainless Steel Male Hose Tail  |
| SMHT25  | 25mm Stainless Steel Male Hose Tail  |
| SMHT32  | 32mm Stainless Steel Male Hose Tail  |
| SMHT40  | 40mm Stainless Steel Male Hose Tail  |
| SMHT50  | 50mm Stainless Steel Male Hose Tail  |
| SMHT65  | 65mm Stainless Steel Male Hose Tail  |
| SMHT80  | 80mm Stainless Steel Male Hose Tail  |
| SMHT100 | 100mm Stainless Steel Male Hose Tail |



**GALV MALE HOSE TAIL**

|         |                           |
|---------|---------------------------|
| GMHT15  | 15mm Galv Male Hose Tail  |
| GMHT20  | 20mm Galv Male Hose Tail  |
| GMHT25  | 25mm Galv Male Hose Tail  |
| GMHT32  | 32mm Galv Male Hose Tail  |
| GMHT40  | 40mm Galv Male Hose Tail  |
| GMHT50  | 50mm Galv Male Hose Tail  |
| GMHT65  | 65mm Galv Male Hose Tail  |
| GMHT80  | 80mm Galv Male Hose Tail  |
| GMHT100 | 100mm Galv Male Hose Tail |
| GMHT150 | 150mm Galv Male Hose Tail |
| GMHT200 | 200mm Galv Male Hose Tail |



**GALV HOSE JOINER**

|        |                        |
|--------|------------------------|
| GHJ15  | 15mm Galv Hose Joiner  |
| GHJ20  | 20mm Galv Hose Joiner  |
| GHJ25  | 25mm Galv Hose Joiner  |
| GHJ32  | 32mm Galv Hose Joiner  |
| GHJ40  | 40mm Galv Hose Joiner  |
| GHJ50  | 50mm Galv Hose Joiner  |
| GHJ65  | 65mm Galv Hose Joiner  |
| GHJ80  | 80mm Galv Hose Joiner  |
| GHJ100 | 100mm Galv Hose Joiner |
| GHJ150 | 150mm Galv Hose Joiner |



**GALV STEEL STRAINER**

|        |                           |
|--------|---------------------------|
| GSS40  | 40mm Galv Steel Strainer  |
| GSS50  | 50mm Galv Steel Strainer  |
| GSS65  | 65mm Galv Steel Strainer  |
| GSS80  | 80mm Galv Steel Strainer  |
| GSS100 | 100mm Galv Steel Strainer |
| GSS150 | 150mm Galv Steel Strainer |
| GSS200 | 200mm Galv Steel Strainer |



**MUNZING RINGS**

CODE DESCRIPTION

**GALVANISED**

|        |                         |
|--------|-------------------------|
| GMR015 | 15MM GALV MUNZING RING  |
| GMR020 | 20MM GALV MUNZING RING  |
| GMR025 | 25MM GALV MUNZING RING  |
| GMR032 | 32MM GALV MUNZING RING  |
| GMR040 | 40MM GALV MUNZING RING  |
| GMR050 | 50MM GALV MUNZING RING  |
| GMR065 | 65MM GALV MUNZING RING  |
| GMR080 | 80MM GALV MUNZING RING  |
| GMR100 | 100MM GALV MUNZING RING |
| GMR150 | 150MM GALV MUNZING RING |



**BASE PLATES**

|         |                                     |
|---------|-------------------------------------|
| GMRBP   | 10MM GALV MUNZING RING BASE PLATE   |
| GMRBPWB | GALV MUNZING RING B/PLATE WELD BOSS |



**1 METRE RODS**

|       |                                  |
|-------|----------------------------------|
| GMRSR | 10MM SCREWED ZINC ROD X 1M       |
| GMRR  | 10MM SCREWED GALVANISED ROD X 1M |



**RUBBER LINED**

|         |                                  |
|---------|----------------------------------|
| GMRR015 | 15MM GALV MUNZING RING - RUBBER  |
| GMRR020 | 20MM GALV MUNZING RING - RUBBER  |
| GMRR025 | 25MM GALV MUNZING RING - RUBBER  |
| GMRR032 | 32MM GALV MUNZING RING - RUBBER  |
| GMRR040 | 40MM GALV MUNZING RING - RUBBER  |
| GMRR050 | 50MM GALV MUNZING RING - RUBBER  |
| GMRR065 | 65MM GALV MUNZING RING - RUBBER  |
| GMRR080 | 80MM GALV MUNZING RING - RUBBER  |
| GMRR100 | 100MM GALV MUNZING RING - RUBBER |
| GMRR150 | 150MM GALV MUNZING RING - RUBBER |



**SEALING GROMMETS**

|        |                                 |
|--------|---------------------------------|
| GR34TH | 19mm I.D TOP HAT RUBBER GROMMRT |
|--------|---------------------------------|



|      |                             |
|------|-----------------------------|
| GR19 | 19mm GROMMET DOUBLE FLANGED |
|------|-----------------------------|

FOR EFFICIENT CONNECTIONS TO  
PVC & PE PIPE



GR34 (19MM)

**Installation: Double Flanged Grommets**

*Drill required hole (see chart) and fit the grommet, chamfered side inside the pipe and groove to suit pipe form. then push the take-off firmly home.*



## BRASS FITTINGS

| CODE                   | DESCRIPTION                   | SIZE (mm) |
|------------------------|-------------------------------|-----------|
| <b>REDUCING BUSHES</b> |                               |           |
| BRB0806                | 8 X 6MM BRASS REDUCING BUSH   | 8 x 6     |
| BRB1006                | 10 X 6MM BRASS REDUCING BUSH  | 10 x 6    |
| BRB1008                | 10 X 8 MM BRASS REDUCING BUSH | 10 x 8    |
| BRB1506                | 15 X 6MM BRASS REDUCING BUSH  | 15 x 6    |
| BRB1508                | 15 X 8MM BRASS REDUCING BUSH  | 15 x 8    |
| BRB1510                | 15 X 10MM BRASS REDUCING BUSH | 15 x 10   |
| BRB2008                | 20 X 8MM BRASS REDUCING BUSH  | 20 x 8    |
| BRB2010                | 20 X 10MM BRASS REDUCING BUSH | 20 x 10   |
| BRB2015                | 20 X 15MM BRASS REDUCING BUSH | 20 x 15   |
| BRB2515                | 25 X 15MM BRASS REDUCING BUSH | 25 x 15   |
| BRB2520                | 25 X 20MM BRASS REDUCING BUSH | 25 x 20   |
| BRB3215                | 32 X 15MM BRASS REDUCING BUSH | 32 x 15   |
| BRB3220                | 32 X 20MM BRASS REDUCING BUSH | 32 x 20   |
| BRB3225                | 32 X 25MM BRASS REDUCING BUSH | 32 x 25   |
| BRB4020                | 40 X 20MM BRASS REDUCING BUSH | 40 x 20   |
| BRB4025                | 40 X 25MM BRASS REDUCING BUSH | 40 x 25   |
| BRB4032                | 40 X 32MM BRASS REDUCING BUSH | 40 x 32   |
| BRB5020                | 50 X 20MM BRASS REDUCING BUSH | 50 x 20   |
| BRB5025                | 50 X 25MM BRASS REDUCING BUSH | 50 x 25   |
| BRB5032                | 50 X 32MM BRASS REDUCING BUSH | 50 x 32   |
| BRB5040                | 50 X 40MM BRASS REDUCING BUSH | 50 x 40   |



## HEX NIPPLES

|       |                       |    |
|-------|-----------------------|----|
| BHN06 | 6MM BRASS HEX NIPPLE  | 6  |
| BHN08 | 8MM BRASS HEX NIPPLE  | 8  |
| BHN10 | 10MM BRASS HEX NIPPLE | 10 |
| BHN15 | 15MM BRASS HEX NIPPLE | 15 |
| BHN20 | 20MM BRASS HEX NIPPLE | 20 |
| BHN25 | 25MM BRASS HEX NIPPLE | 25 |
| BHN32 | 32MM BRASS HEX NIPPLE | 32 |
| BHN40 | 40MM BRASS HEX NIPPLE | 40 |
| BHN50 | 50MM BRASS HEX NIPPLE | 50 |



## REDUCING HEX NIPPLES

|          |                                     |         |
|----------|-------------------------------------|---------|
| BRHN0806 | 8 X 6MM BRASS REDUCING HEX NIPPLE   | 8 X 6   |
| BRHN1006 | 10 X 6MM BRASS REDUCING HEX NIPPLE  | 10 X 6  |
| BRHN1008 | 10 X 8MM BRASS REDUCING HEX NIPPLE  | 10 X 8  |
| BRHN1506 | 15 X 6MM BRASS REDUCING HEX NIPPLE  | 15 X 6  |
| BRHN1508 | 15 X 8MM BRASS REDUCING HEX NIPPLE  | 15 X 8  |
| BRHN1510 | 15 X 10MM BRASS REDUCING HEX NIPPLE | 15 X 10 |
| BRHN2015 | 20 X 15MM BRASS REDUCING HEX NIPPLE | 20 X 15 |
| BRHN2515 | 25 X 15MM BRASS REDUCING HEX NIPPLE | 25 X 15 |
| BRHN2520 | 25 X 20MM BRASS REDUCING HEX NIPPLE | 25 X 20 |
| BRHN3225 | 32 X 25MM BRASS REDUCING HEX NIPPLE | 32 X 25 |
| BRHN4025 | 40 X 25MM BRASS REDUCING HEX NIPPLE | 40 X 25 |
| BRHN4032 | 40 X 32MM BRASS REDUCING HEX NIPPLE | 40 X 32 |
| BRHN5025 | 50 X 25MM BRASS REDUCING HEX NIPPLE | 50 X 25 |
| BRHN5032 | 50 X 32MM BRASS REDUCING HEX NIPPLE | 50 X 32 |
| BRHN5040 | 50 X 40MM BRASS REDUCING HEX NIPPLE | 50 X 40 |



**BRASS FITTINGS**

| CODE | DESCRIPTION | SIZE (mm) |
|------|-------------|-----------|
|------|-------------|-----------|

**THREADED ELBOWS**

|      |                         |    |
|------|-------------------------|----|
| BE06 | 6MM BRASS ELBOW FEMALE  | 6  |
| BE08 | 8MM BRASS ELBOW FEMALE  | 8  |
| BE10 | 10MM BRASS ELBOW FEMALE | 10 |
| BE15 | 15MM BRASS ELBOW FEMALE | 15 |
| BE20 | 20MM BRASS ELBOW FEMALE | 20 |
| BE25 | 25MM BRASS ELBOW FEMALE | 25 |
| BE32 | 32MM BRASS ELBOW FEMALE | 32 |
| BE40 | 40MM BRASS ELBOW FEMALE | 40 |
| BE50 | 50MM BRASS ELBOW FEMALE | 50 |



**CROX ELBOWS**

|       |                                 |    |
|-------|---------------------------------|----|
| BCE15 | 15MM BRASS CROX ELBOW WITH NUTS | 15 |
| BCE20 | 20MM BRASS CROX ELBOW WITH NUTS | 20 |



**CROX MALE ELBOWS**

|        |                            |    |
|--------|----------------------------|----|
| BCE15M | 15MM BRASS CROX ELBOW MALE | 15 |
| BCE20M | 20MM BRASS CROX ELBOW MALE | 20 |



**CROX FEMALE ELBOWS**

|        |                              |    |
|--------|------------------------------|----|
| BCE15F | 15MM BRASS CROX ELBOW FEMALE | 15 |
| BCE20F | 20MM BRASS CROX ELBOW FEMALE | 20 |
| BCE25F | 25MM BRASS CROX ELBOW FEMALE | 25 |



**PVC BRACKET ELBOWS**

|         |                                 |         |
|---------|---------------------------------|---------|
| BBE15   | 15MM BRASS BRACKET ELBOW PVC    | 15      |
| BBE20   | 20MM BRASS BRACKET ELBOW PVC    | 20      |
| BBE2015 | 20X15MM BRASS BRACKET ELBOW PVC | 20 x 15 |



**BRAZING BRACKET ELBOWS**

|          |                                   |         |
|----------|-----------------------------------|---------|
| BBE15B   | 15MM BRASS BRACKET ELBOW BRAZING  | 15      |
| BBE20B   | 20MM BRASS BRACKET ELBOW BRAZING  | 20      |
| BBE2015B | 20MM X 15MM BRAZING BRACKET ELBOW | 20 x 15 |



**MALE EXTENSION BRACKET ELBOW**

|        |                            |    |
|--------|----------------------------|----|
| BBE15M | 15MM BRASS CROX ELBOW MALE | 15 |
|--------|----------------------------|----|



## BRASS FITTINGS

| CODE | DESCRIPTION | SIZE (mm) |
|------|-------------|-----------|
|------|-------------|-----------|

### CROX BRACKET ELBOW

|        |                               |    |
|--------|-------------------------------|----|
| BBE15C | 15MM BRASS CROX BRACKET ELBOW | 15 |
|--------|-------------------------------|----|



### SOCKETS

|      |                   |    |
|------|-------------------|----|
| BS06 | 6MM BRASS SOCKET  | 6  |
| BS08 | 8MM BRASS SOCKET  | 8  |
| BS10 | 10MM BRASS SOCKET | 10 |
| BS15 | 15MM BRASS SOCKET | 15 |
| BS20 | 20MM BRASS SOCKET | 20 |
| BS25 | 25MM BRASS SOCKET | 25 |
| BS32 | 32MM BRASS SOCKET | 32 |
| BS40 | 40MM BRASS SOCKET | 40 |
| BS50 | 50MM BRASS SOCKET | 50 |



### HEX SOCKET M/F

|           |                                     |         |
|-----------|-------------------------------------|---------|
| BHS15MF   | 15MM BRASS EXTENSION SOCKET M/F     | 15      |
| BHS1532MF | 15MM X 32MM THREAD BRASS SOCKET M/F | 15 x 32 |
| BHS20MF   | 20MM BRASS EXTENSION SOCKET M/F     | 20      |
| BHS25MF   | 25MM BRASS EXTENSION SOCKET M/F     | 25      |
| BHS32MF   | 32MM BRASS SOCKET M/F               | 32      |
| BHS40MF   | 40MM BRASS SOCKET M/F               | 40      |
| BHS50MF   | 50MM BRASS SOCKET M/F               | 50      |



### REDUCING HEX SOCKET M/F

|            |                                     |         |
|------------|-------------------------------------|---------|
| BRHS2015MF | 20 X 15MM BRASS REDUCING EXT SOCKET | 20 x 15 |
| BRHS2515MF | 25 X 15MM BRASS REDUCING HEX SOCKET | 25 x 15 |
| BRHS2520MF | 25 X 20MM BRASS REDUCING EXT SOCKET | 25 x 20 |
| BRHS3220MF | 32 X 20MM BRASS REDUCING HEX SOCKET | 32 x 20 |
| BRHS3225MF | 32 X 25MM BRASS REDUCING HEX SOCKET | 32 x 25 |
| BRHS4032MF | 40 X 32MM BRASS REDUCING HEX SOCKET | 40 x 32 |



### CAPS

|      |                |    |
|------|----------------|----|
| BC15 | 15MM BRASS CAP | 15 |
| BC20 | 20MM BRASS CAP | 20 |
| BC25 | 25MM BRASS CAP | 25 |
| BC32 | 32MM BRASS CAP | 32 |
| BC40 | 40MM BRASS CAP | 40 |
| BC50 | 50MM BRASS CAP | 50 |



### PLUGS

|      |                 |    |
|------|-----------------|----|
| BP08 | 8MM BRASS PLUG  | 8  |
| BP10 | 10MM BRASS PLUG | 10 |
| BP15 | 15MM BRASS PLUG | 15 |
| BP20 | 20MM BRASS PLUG | 20 |
| BP25 | 25MM BRASS PLUG | 25 |
| BP32 | 32MM BRASS PLUG | 32 |
| BP40 | 40MM BRASS PLUG | 40 |
| BP50 | 50MM BRASS PLUG | 50 |



**BRASS FITTINGS**

| CODE                        | DESCRIPTION           | SIZE (mm) |
|-----------------------------|-----------------------|-----------|
| <b>FEMALE THREADED TEES</b> |                       |           |
| BT06                        | 6MM BRASS TEE FEMALE  | 6         |
| BT08                        | 8MM BRASS TEE FEMALE  | 8         |
| BT10                        | 10MM BRASS TEE FEMALE | 10        |
| BT15                        | 15MM BRASS TEE FEMALE | 15        |
| BT20                        | 20MM BRASS TEE FEMALE | 20        |
| BT25                        | 25MM BRASS TEE FEMALE | 25        |
| BT32                        | 32MM BRASS TEE FEMALE | 32        |
| BT40                        | 40MM BRASS TEE FEMALE | 40        |
| BT50                        | 50MM BRASS TEE FEMALE | 50        |



**CROX TEES**

|       |                     |    |
|-------|---------------------|----|
| BCT15 | 15MM BRASS CROX TEE | 15 |
| BCT20 | 20MM BRASS CROX TEE | 20 |
| BCT25 | 25MM BRASS CROX TEE | 25 |



**REDUCING CROX TEES**

|          |                                   |         |
|----------|-----------------------------------|---------|
| BRCT2015 | 20 X 15MM BRASS REDUCING CROX TEE | 20 x 15 |
|----------|-----------------------------------|---------|



**BRAZING TEE**

|        |                                |    |
|--------|--------------------------------|----|
| BBT15B | 15MM BRASS BRAZING BRACKET TEE | 15 |
|--------|--------------------------------|----|



**HOSE PLATE BRAZING**

|        |                               |    |
|--------|-------------------------------|----|
| BHP15B | 15MM BRASS BRAZING HOSE PLATE | 15 |
|--------|-------------------------------|----|



**WASHING MACHINE NIPPLE**

|         |                                 |         |
|---------|---------------------------------|---------|
| WMN2015 | 20 X15MM WASHING MACHINE NIPPLE | 20 x 15 |
|---------|---------------------------------|---------|



**CROX NUTS**

|       |                     |    |
|-------|---------------------|----|
| BCN15 | 15MM BRASS CROX NUT | 15 |
| BCN20 | 20MM BRASS CROX NUT | 20 |
| BCN25 | 25MM BRASS CROX NUT | 25 |
| BCN32 | 32MM BRASS CROX NUT | 32 |
| BCN40 | 40MM BRASS CROX NUT | 40 |
| BCN50 | 50MM BRASS CROX NUT | 50 |



**LUG NIPPLE**

|       |                       |    |
|-------|-----------------------|----|
| BLN15 | 15MM BRASS LUG NIPPLE | 15 |
|-------|-----------------------|----|



**BRASS FITTINGS**

| CODE | DESCRIPTION | SIZE (mm) |
|------|-------------|-----------|
|------|-------------|-----------|

**FLANGED BACKNUTS**

|       |                            |    |
|-------|----------------------------|----|
| BFB15 | 15MM BRASS FLANGED BACKNUT | 15 |
| BFB20 | 20MM BRASS FLANGED BACKNUT | 20 |
| BFB25 | 25MM BRASS FLANGED BACKNUT | 25 |
| BFB32 | 32MM BRASS FLANGED BACKNUT | 32 |
| BFB40 | 40MM BRASS FLANGED BACKNUT | 40 |
| BFB50 | 50MM BRASS FLANGED BACKNUT | 50 |



|        |                                 |    |
|--------|---------------------------------|----|
| BFB15W | 15MM BRASS WIDE FLANGED BACKNUT | 15 |
| BFB20W | 20MM BRASS WIDE FLANGED BACKNUT | 20 |
| BFB25W | 25MM BRASS WIDE FLANGED BACKNUT | 25 |



**NIPPLE TUBE**

|        |                                |
|--------|--------------------------------|
| BNTT15 | 15 X 600MM BARRELL NIPPLE TUBE |
| BNTT20 | 20 X 600MM BARRELL NIPPLE TUBE |
| BNTT25 | 25 X 600MM BARRELL NIPPLE TUBE |
| BNTT32 | 32 X 600MM BARRELL NIPPLE TUBE |
| BNTT40 | 40 X 600MM BARRELL NIPPLE TUBE |



**BRASS UNIONS (PTFE SEAL)**

| FEMALE/FEMALE |                         |
|---------------|-------------------------|
| BUF15         | 15MM BRASS UNION FEMALE |
| BUF20         | 20MM BRASS UNION FEMALE |
| BUF25         | 25MM BRASS UNION FEMALE |



| MALE/FEMALE |                      |
|-------------|----------------------|
| BUMF15      | 15MM BRASS UNION M/F |
| BUMF20      | 20MM BRASS UNION M/F |
| BUMF25      | 25MM BRASS UNION M/F |



**BRASS FITTINGS**

NOTE: Pipe size first two numbers of code followed by length

| CODE                   | DESCRIPTION                     | SIZE (mm) |
|------------------------|---------------------------------|-----------|
| <b>BARRELL NIPPLES</b> |                                 |           |
| BBN1532                | 15 X 32MM BRASS BARRELL NIPPLE  | 15 x 32   |
| BBN1535                | 15 X 35MM BRASS BARRELL NIPPLE  | 15 x 35   |
| BBN1540                | 15 X 40MM BRASS BARRELL NIPPLE  | 15 x 40   |
| BBN1545                | 15 X 45MM BRASS BARRELL NIPPLE  | 15 x 45   |
| BBN1550                | 15 X 50MM BRASS BARRELL NIPPLE  | 15 x 50   |
| BBN1560                | 15 X 60MM BRASS BARRELL NIPPLE  | 15 x 60   |
| BBN1565                | 15 X 65MM BRASS BARRELL NIPPLE  | 15 x 65   |
| BBN1570                | 15 X 70MM BRASS BARRELL NIPPLE  | 15 x 70   |
| BBN1575                | 15 X 75MM BRASS BARRELL NIPPLE  | 15 x 75   |
| BBN1580                | 15 X 80MM BRASS BARRELL NIPPLE  | 15 x 80   |
| BBN1590                | 15 X 90MM BRASS BARRELL NIPPLE  | 15 x 90   |
| BBN15100               | 15 X 100MM BRASS BARRELL NIPPLE | 15 x 100  |
| BBN15150               | 15 X 150MM BRASS BARRELL NIPPLE | 15 x 150  |
| BBN2032                | 20 X 32MM BRASS BARRELL NIPPLE  | 20 X 32   |
| BBN2035                | 20 X 35MM BRASS BARRELL NIPPLE  | 20 X 35   |
| BBN2040                | 20 X 40MM BRASS BARRELL NIPPLE  | 20 X 40   |
| BBN2045                | 20 X 45MM BRASS BARRELL NIPPLE  | 20 X 45   |
| BBN2050                | 20 X 50MM BRASS BARRELL NIPPLE  | 20 X 50   |
| BBN2060                | 20 X 60MM BRASS BARRELL NIPPLE  | 20 X 60   |
| BBN2065                | 20 X 65MM BRASS BARRELL NIPPLE  | 20 X 65   |
| BBN2070                | 20 X 70MM BRASS BARRELL NIPPLE  | 20 X 70   |
| BBN2075                | 20 X 75MM BRASS BARRELL NIPPLE  | 20 X 75   |
| BBN2080                | 20 X 80MM BRASS BARRELL NIPPLE  | 20 X 80   |
| BBN2085                | 20 X 85MM BRASS BARRELL NIPPLE  | 20 X 85   |
| BBN2090                | 20 X 90MM BRASS BARRELL NIPPLE  | 20 X 90   |
| BBN20100               | 20 X 100MM BRASS BARRELL NIPPLE | 20 X 100  |
| BBN20150               | 20 X 150MM BRASS BARRELL NIPPLE | 20 X 150  |
| BBN2540                | 25 X 40MM BRASS BARRELL NIPPLE  | 25 X 40   |
| BBN2550                | 25 X 50MM BRASS BARRELL NIPPLE  | 25 X 50   |
| BBN2560                | 25 X 60MM BRASS BARRELL NIPPLE  | 25 X 60   |
| BBN2570                | 25 X 70MM BRASS BARRELL NIPPLE  | 25 X 70   |
| BBN2580                | 25 X 80MM BRASS BARRELL NIPPLE  | 25 X 80   |
| BBN25100               | 25 X 100MM BRASS BARRELL NIPPLE | 25 X 100  |
| BBN3250                | 32 X 50MM BRASS BARRELL NIPPLE  | 32x50     |
| BBN3260                | 32 X 60MM BRASS BARRELL NIPPLE  | 32x60     |
| BBN3270                | 32 X 70MM BRASS BARRELL NIPPLE  | 32x70     |
| BBN3280                | 32 X 80MM BRASS BARRELL NIPPLE  | 32x80     |
| BBN32100               | 32 X 100MM BRASS BARRELL NIPPLE | 32x100    |
| BBN4050                | 40 X 50MM BRASS BARRELL NIPPLE  | 40x50     |
| BBN4060                | 40 X 60MM BRASS BARRELL NIPPLE  | 40x60     |
| BBN4070                | 40 X 70MM BRASS BARRELL NIPPLE  | 40x70     |
| BBN4080                | 40 X 80MM BRASS BARRELL NIPPLE  | 40x80     |
| BBN40100               | 40 X 100MM BRASS BARRELL NIPPLE | 40x100    |
| BBN5060                | 50 X 60MM BRASS BARRELL NIPPLE  | 50x60     |
| BBN5070                | 50 X 70MM BRASS BARRELL NIPPLE  | 50x70     |
| BBN5080                | 50 X 80MM BRASS BARRELL NIPPLE  | 50x80     |



**NORMAPLAST PLASTIC HOSE & PIPE CONNECTORS**

For use in piping gases and fluids, vacuum lines etc

Made from acetal copolymerisate (POM) - stable with many chemicals and fuels

CODE DESCRIPTION

**STRAIGHT CONNECTOR**

|       |                              |
|-------|------------------------------|
| NSC03 | 3MM NORMA PLASTIC CONNECTOR  |
| NSC05 | 5MM NORMA PLASTIC CONNECTOR  |
| NSC06 | 6MM NORMA PLASTIC CONNECTOR  |
| NSC08 | 8MM NORMA PLASTIC CONNECTOR  |
| NSC10 | 10MM NORMA PLASTIC CONNECTOR |
| NSC12 | 12MM NORMA PLASTIC CONNECTOR |
| NSC13 | 13MM NORMA PLASTIC CONNECTOR |



**TEE**

|       |                        |
|-------|------------------------|
| NTS03 | 3MM NORMA PLASTIC TEE  |
| NTS04 | 4MM NORMA PLASTIC TEE  |
| NTS05 | 5MM NORMA PLASTIC TEE  |
| NTS06 | 6MM NORMA PLASTIC TEE  |
| NTS08 | 8MM NORMA PLASTIC TEE  |
| NTS10 | 10MM NORMA PLASTIC TEE |
| NTS12 | 12MM NORMA PLASTIC TEE |
| NTS13 | 13MM NORMA PLASTIC TEE |



**Y CONNECTOR**

|       |                                |
|-------|--------------------------------|
| NYS03 | 3MM NORMA PLASTIC Y CONNECTOR  |
| NYS04 | 4MM NORMA PLASTIC Y CONNECTOR  |
| NYS05 | 5MM NORMA PLASTIC Y CONNECTOR  |
| NYS06 | 6MM NORMA PLASTIC Y CONNECTOR  |
| NYS08 | 8MM NORMA PLASTIC Y CONNECTOR  |
| NYS10 | 10MM NORMA PLASTIC Y CONNECTOR |
| NYS12 | 12MM NORMA PLASTIC Y CONNECTOR |



**MALE CONNECTOR**

|          |                                 |
|----------|---------------------------------|
| NRMC0608 | NORMA REDUCING MALE 1/8" X 8MM  |
| NRMC0806 | NORMA REDUCING MALE 1/4" X 6MM  |
| NRMC0808 | NORMA REDUCING MALE 1/4" X 8MM  |
| NRMC0810 | NORMA REDUCING MALE 1/4" X 10MM |
| NRMC1006 | NORMA REDUCING MALE 3/8" X 6MM  |
| NRMC1008 | NORMA REDUCING MALE 3/8" X 8MM  |
| NRMC1010 | NORMA REDUCING MALE 3/8" X 10MM |
| NRMC1012 | NORMA REDUCING MALE 3/8" X 12MM |
| NRMC1508 | NORMA REDUCING MALE 1/2" X 8MM  |
| NRMC1512 | NORMA REDUCING MALE 1/2" X 12MM |



**NORMAPLAST PLASTIC HOSE & PIPE CONNECTORS**

For use in piping gases and fluids, vacuum lines etc

Made from acetal copolymerisate (POM) - stable with many chemicals and fuels

**CODE DESCRIPTION**

**MALE BEND**

|          |                                     |
|----------|-------------------------------------|
| NWES0606 | NORMA MALE BEND 1/8" BSP X 6MM TAIL |
| NWES0608 | NORMA MALE BEND 1/8" BSP X 8MM TAIL |
| NWES0806 | NORMA MALE BEND 1/4" BSP X 6MM TAIL |
| NWES0808 | NORMA MALE BEND 1/4" X 8MM TAIL     |
| NWES0810 | NORMA MALE BEND 1/4" X 10MM TAIL    |
| NWES1006 | NORMA MALE BEND 3/8" BSP X 6MM TAIL |
| NWES1008 | NORMA MALE BEND 3/8" X 8MM TAIL     |
| NWES1010 | NORMA MALE BEND 3/8" X 10MM TAIL    |
| NWES1012 | NORMA MALE BEND 3/8" X 12MM TAIL    |
| NWES1508 | NORMA MALE BEND 1/2" X 8MM TAIL     |
| NWES1512 | NORMA MALE BEND 1/2" X 12MM TAIL    |



**ELBOW**

|       |                          |
|-------|--------------------------|
| NWS03 | 3MM NORMA PLASTIC ELBOW  |
| NWS04 | 4MM NORMA PLASTIC ELBOW  |
| NWS05 | 5MM NORMA PLASTIC ELBOW  |
| NWS06 | 6MM NORMA PLASTIC ELBOW  |
| NWS08 | 8MM NORMA PLASTIC ELBOW  |
| NWS10 | 10MM NORMA PLASTIC ELBOW |
| NWS12 | 12MM NORMA PLASTIC ELBOW |
| NWS13 | 13MM NORMA PLASTIC ELBOW |
| NWS14 | 14MM NORMA PLASTIC ELBOW |



**MALE TEE**

|          |                            |
|----------|----------------------------|
| NTES0806 | 8MM X 1/8" NORMA MALE TEE  |
| NTES0808 | 8MM X 1/4" NORMA MALE TEE  |
| NTES1010 | 10MM X 3/8" NORMA MALE TEE |



**REDUCING STRAIGHT**

|         |                                   |
|---------|-----------------------------------|
| NRS0806 | 08 X 6MM NORMA REDUCING STRAIGHT  |
| NRS1006 | 10 X 6MM NORMA REDUCING STRAIGHT  |
| NRS1008 | 10 X 8MM NORMA REDUCING STRAIGHT  |
| NRS1208 | 12 X 8MM NORMA REDUCING STRAIGHT  |
| NRS1210 | 12 X 10MM NORMA REDUCING STRAIGHT |



**REDUCING TEE**

|          |                             |
|----------|-----------------------------|
| NTRS0806 | 8 X 6MM NORMA REDUCING TEE  |
| NTRS0812 | 8 X 12MM NORMA REDUCING TEE |
| NTRS1006 | 10 x 6MM NORMA REDUCING TEE |
| NTRS1008 | 10 X 8MM NORMA REDUCING TEE |
| NTRS1206 | 12 X 6MM NORMA REDUCING TEE |
| NTRS1208 | 12 X 8MM NORMA REDUCING TEE |
| NTRS1506 | 15 X 6MM NORMA REDUCING TEE |



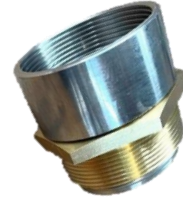
**M/F SWIVEL ADAPTER, THREE PIECE UNION COUPLING AND  
ITAP 5-WAY PUMP CONNECTOR**

CODE DESCRIPTION

**M/F SWIVEL ADAPTER**

Stainless steel and brass  
Nitrile rubber O rings

|          |                 |
|----------|-----------------|
| SWIVEL25 | 25MM M/F SWIVEL |
| SWIVEL32 | 32MM M/F SWIVEL |
| SWIVEL40 | 40MM M/F SWIVEL |
| SWIVEL50 | 50MM M/F SWIVEL |
| SWIVEL65 | 65MM M/F SWIVEL |



**THREE PIECE UNION COUPLING**

Nickel-plated brass  
Conical seat  
NBR O ring

|      |                         |
|------|-------------------------|
| UC20 | 20MM N/P UNION COUPLING |
| UC25 | 25MM N/P UNION COUPLING |
| UC32 | 32MM N/P UNION COUPLING |
| UC40 | 40MM N/P UNION COUPLING |
| UC50 | 50MM N/P UNION COUPLING |



|       |                               |
|-------|-------------------------------|
| UEC20 | 20MM N/P UNION ELBOW COUPLING |
| UEC25 | 25MM N/P UNION ELBOW COUPLING |
| UEC32 | 32MM N/P UNION ELBOW COUPLING |



**ITAP 5-WAY PUMP CONNECTOR**

Max pressure: 25 bar (360 PSI)  
Body: Brass

|         |                           |
|---------|---------------------------|
| ITAP25W | 25MM 5 WAY PUMP CONNECTOR |
|---------|---------------------------|



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**GALV PRESSED STEEL A-CLAMPS**

CODE

**STRAIGHT A CLAMP**

|         |                   |
|---------|-------------------|
| GAC15   | 15MM GALV A CLAMP |
| GAC20   | 20MM GALV A CLAMP |
| GAC25   | 25MM GALV A CLAMP |
| GAC32   | 32MM GALV A CLAMP |
| GAC4040 | 40MM GALV A CLAMP |
| GAC50   | 50MM GALV A CLAMP |

**REDUCING A CLAMP**

|         |                        |
|---------|------------------------|
| GAC2520 | 25 X 20MM GALV A CLAMP |
| GAC2532 | 25 X 32MM GALV A CLAMP |
| GAC2540 | 25 X 40MM GALV A CLAMP |
| GAC3225 | 32 X 25MM GALV A CLAMP |
| GAC3240 | 32 X 40MM GALV A CLAMP |
| GAC4025 | 40 X 25MM GALV A CLAMP |
| GAC4032 | 40 X 32MM GALV A CLAMP |
| GAC5025 | 50 X 25MM GALV A CLAMP |
| GAC5032 | 50 X 32MM GALV A CLAMP |
| GAC5040 | 50 X 40MM GALV A CLAMP |

**CROSSES**

|        |                         |
|--------|-------------------------|
| GACR25 | 25MM GALV A CLAMP CROSS |
| GACR32 | 32MM GALV A CLAMP CROSS |
| GACR40 | 40MM GALV A CLAMP CROSS |

**REDUCING CROSSES**

|          |                              |
|----------|------------------------------|
| GACR2520 | 25 x 20MM A CLAMP CROSS      |
| GACR4025 | 40 X 25MM GALV A CLAMP CROSS |
| GACR5040 | 50 X 40MM GALV A CLAMP CROSS |



## GALVANISED PIPE FITTINGS

| CODE              | DESCRIPTION           |
|-------------------|-----------------------|
| <b>HEX NIPPLE</b> |                       |
| GHN6              | 6MM GALV HEX NIPPLE   |
| GHN8              | 8MM GALV HEX NIPPLE   |
| GHN10             | 10MM GALV HEX NIPPLE  |
| GHN15             | 15MM GALV HEX NIPPLE  |
| GHN20             | 20MM GALV HEX NIPPLE  |
| GHN25             | 25MM GALV HEX NIPPLE  |
| GHN32             | 32MM GALV HEX NIPPLE  |
| GHN40             | 40MM GALV HEX NIPPLE  |
| GHN50             | 50MM GALV HEX NIPPLE  |
| GHN65             | 65MM GALV HEX NIPPLE  |
| GHN80             | 80MM GALV HEX NIPPLE  |
| GHN100            | 100MM GALV HEX NIPPLE |



|                |                   |
|----------------|-------------------|
| <b>SOCKETS</b> |                   |
| GS08           | 8MM GALV SOCKET   |
| GS10           | 10MM GALV SOCKET  |
| GS15           | 15MM GALV SOCKET  |
| GS20           | 20MM GALV SOCKET  |
| GS25           | 25MM GALV SOCKET  |
| GS32           | 32MM GALV SOCKET  |
| GS40           | 40MM GALV SOCKET  |
| GS50           | 50MM GALV SOCKET  |
| GS65           | 65MM GALV SOCKET  |
| GS80           | 80MM GALV SOCKET  |
| GS100          | 100MM GALV SOCKET |



|              |                      |
|--------------|----------------------|
| <b>TEE'S</b> |                      |
| GT06         | 6MM GALV EQUAL TEE   |
| GT08         | 8MM GALV EQUAL TEE   |
| GT10         | 10MM GALV EQUAL TEE  |
| GT15         | 15MM GALV EQUAL TEE  |
| GT20         | 20MM GALV EQUAL TEE  |
| GT25         | 25MM GALV EQUAL TEE  |
| GT32         | 32MM GALV EQUAL TEE  |
| GT40         | 40MM GALV EQUAL TEE  |
| GT50         | 50MM GALV EQUAL TEE  |
| GT65         | 65MM GALV EQUAL TEE  |
| GT80         | 80MM GALV EQUAL TEE  |
| GT100        | 100MM GALV EQUAL TEE |



|                  |                                 |
|------------------|---------------------------------|
| <b>COUPLINGS</b> |                                 |
| GBJ15V           | 15MM GALV BJ COUPLING (VICKING) |
| GBJ20V           | 20MM GALV BJ COUPLING (VICKING) |
| GBJ25V           | 25MM GALV BJ COUPLING (VICKING) |
| GBJ32V           | 32MM GALV BJ COUPLING (VICKING) |
| GBJ40V           | 40MM GALV BJ COUPLING (VICKING) |
| GBJ50V           | 50MM GALV BJ COUPLING (VICKING) |



CODE DESCRIPTION

**BUSHES**

|           |                                |
|-----------|--------------------------------|
| GRB1008   | 10 X 8 MM GALV REDUCING BUSH   |
| GRB1506   | 15 X 6MM GALV REDUCING BUSH    |
| GRB1508   | 15 X 8MM GALV REDUCING BUSH    |
| GRB1510   | 15 X 10MM GALV REDUCING BUSH   |
| GRB2006   | 20 X 6MM GALV REDUCING BUSH    |
| GRB2008   | 20 X 8MM GALV REDUCING BUSH    |
| GRB2010   | 20 X 10MM GALV REDUCING BUSH   |
| GRB2015   | 20 X 15MM GALV REDUCING BUSH   |
| GRB2508   | 25 X 8MM GALV REDUCING BUSH    |
| GRB2510   | 25 X 10MM GALV REDUCING BUSH   |
| GRB2515   | 25 X 15MM GALV REDUCING BUSH   |
| GRB2520   | 25 X 20MM GALV REDUCING BUSH   |
| GRB3210   | 32 X 10MM GALV REDUCING BUSH   |
| GRB3215   | 32 X 15MM GALV REDUCING BUSH   |
| GRB3220   | 32 X 20MM GALV REDUCING BUSH   |
| GRB3225   | 32 X 25MM GALV REDUCING BUSH   |
| GRB4015   | 40 X 15MM GALV REDUCING BUSH   |
| GRB4020   | 40 X 20MM GALV REDUCING BUSH   |
| GRB4025   | 40 X 25MM GALV REDUCING BUSH   |
| GRB4032   | 40 X 32MM GALV REDUCING BUSH   |
| GRB5015   | 50 X 15MM GALV REDUCING BUSH   |
| GRB5020   | 50 X 20MM GALV REDUCING BUSH   |
| GRB5025   | 50 X 25MM GALV REDUCING BUSH   |
| GRB5032   | 50 X 32MM GALV REDUCING BUSH   |
| GRB5040   | 50 X 40MM GALV REDUCING BUSH   |
| GRB6525   | 65 X 25MM GALV REDUCING BUSH   |
| GRB6532   | 65 X 32MM GALV REDUCING BUSH   |
| GRB6540   | 65 X 40MM GALV REDUCING BUSH   |
| GRB6550   | 65 X 50MM GALV REDUCING BUSH   |
| GRB8032   | 80 X 32MM GALV REDUCING BUSH   |
| GRB8040   | 80 X 40MM GALV REDUCING BUSH   |
| GRB8050   | 80 X 50MM GALV REDUCING BUSH   |
| GRB8065   | 80 X 65MM GALV REDUCING BUSH   |
| GRB10050  | 100 X 50MM GALV REDUCING BUSH  |
| GRB10065  | 100 X 65MM GALV REDUCING BUSH  |
| GRB10080  | 100 X 80MM GALV REDUCING BUSH  |
| GRB150100 | 150 X 100MM GALV REDUCING BUSH |



**90 DEG FEMALE ELBOW**

|          |                            |
|----------|----------------------------|
| GE90F6   | 6MM GALV ELBOW 90'FEMALE   |
| GE90F8   | 8MM GALV ELBOW 90'FEMALE   |
| GE90F10  | 10MM GALV ELBOW 90'FEMALE  |
| GE90F15  | 15MM GALV ELBOW 90'FEMALE  |
| GE90F20  | 20MM GALV ELBOW 90'FEMALE  |
| GE90F25  | 25MM GALV ELBOW 90'FEMALE  |
| GE90F32  | 32MM GALV ELBOW 90'FEMALE  |
| GE90F40  | 40MM GALV ELBOW 90'FEMALE  |
| GE90F50  | 50MM GALV ELBOW 90'FEMALE  |
| GE90F65  | 65MM GALV ELBOW 90'FEMALE  |
| GE90F80  | 80MM GALV ELBOW 90'FEMALE  |
| GE90F100 | 100MM GALV ELBOW 90'FEMALE |



CODE DESCRIPTION

**90 DEG MALE/FEMALE ELBOW**

|           |                         |
|-----------|-------------------------|
| GE90MF6   | 6MM GALV ELBOW 90 M/F   |
| GE90MF8   | 8MM GALV ELBOW 90 M/F   |
| GE90MF10  | 10MM GALV ELBOW 90 M/F  |
| GE90MF15  | 15MM GALV ELBOW 90 M/F  |
| GE90MF20  | 20MM GALV ELBOW 90 M/F  |
| GE90MF25  | 25MM GALV ELBOW 90 M/F  |
| GE90MF32  | 32MM GALV ELBOW 90 M/F  |
| GE90MF40  | 40MM GALV ELBOW 90 M/F  |
| GE90MF50  | 50MM GALV ELBOW 90 M/F  |
| GE90MF65  | 65MM GALV ELBOW 90 M/F  |
| GE90MF80  | 80MM GALV ELBOW M/F     |
| GE90MF100 | 100MM GALV ELBOW 90 M/F |



**MAC UNION'S**

|          |                        |
|----------|------------------------|
| GMU8BS   | 8MM BRASS SEAT UNION   |
| GMU10BS  | 10MM BRASS SEAT UNION  |
| GMU15    | 15MM GALV MAC UNION    |
| GMU20    | 20MM GALV MAC UNION    |
| GMU25    | 25MM GALV MAC UNION    |
| GMU32    | 32MM GALV MAC UNION    |
| GMU40    | 40MM GALV MAC UNION    |
| GMU50    | 50MM GALV MAC UNION    |
| GMU65BS  | 65MM BRASS SEAT UNION  |
| GMU80BS  | 80MM BRASS SEAT UNION  |
| GMU100BS | 100MM BRASS SEAT UNION |



**REDUCING HEX NIPPLE**

|           |                                       |
|-----------|---------------------------------------|
| GRHN1508  | 15 X 8MM GALV REDUCING HEX NIPPLE     |
| GRHN1510  | 15 X 10MM GALV REDUCING HEX NIPPLE    |
| GRHN2010  | 20 X 10MM GALV REDUCING HEX NIPPLE    |
| GRHN2015  | 20 X 15MM GALV REDUCING HEX NIPPLE    |
| GRHN2515  | 25 X 15MM GALV REDUCING HEX NIPPLE    |
| GRHN2520  | 25 X 20MM GALV REDUCING HEX NIPPLE    |
| GRHN3215  | 32 X 15MM GALV REDUCING HEX NIPPLE    |
| GRHN3220  | 32 X 20MM GALV REDUCING HEX NIPPLE    |
| GRHN3225  | 32 X 25MM GALV REDUCING HEX NIPPLE    |
| GRHN4020  | 40 X 20MM GALV REDUCING HEX NIPPLE    |
| GRHN4025  | 40 X 25MM GALV REDUCING HEX NIPPLE    |
| GRHN4032  | 40 X 32MM GALV REDUCING HEX NIPPLE    |
| GRHN5025  | 50 X 25MM GALV REDUCING HEX NIPPLE    |
| GRHN5032  | 50 X 32MM GALV REDUCING HEX NIPPLE    |
| GRHN5040  | 50 X 40MM GALV REDUCING HEX NIPPLE    |
| GRHN6540  | 65 X 40MM GALV REDUCING HEX NIPPLE    |
| GRHN6550  | 65 X 50MM GALV REDUCING HEX NIPPLE    |
| GRHN8050  | 80 X 50MM GALV REDUCING HEX NIPPLE    |
| GRHN8065  | 80 X 65MM GALV REDUCING HEX NIPPLE    |
| GRHN10050 | 100MM X 50MM GALV REDUCING HEX NIPPLE |
| GRHN10080 | 100MM X 80MM GALV REDUCING HEX NIPPLE |



CODE DESCRIPTION

**CAPS**

|       |                |
|-------|----------------|
| GC010 | 10MM GALV CAP  |
| GC015 | 15MM GALV CAP  |
| GC020 | 20MM GALV CAP  |
| GC025 | 25MM GALV CAP  |
| GC032 | 32MM GALV CAP  |
| GC040 | 40MM GALV CAP  |
| GC050 | 50MM GALV CAP  |
| GC065 | 65MM GALV CAP  |
| GC080 | 80MM GALV CAP  |
| GC100 | 100MM GALV CAP |
| GC150 | 150MM GALV CAP |



**REDUCING SOCKETS**

|           |                                    |
|-----------|------------------------------------|
| GRS1008   | 10 X 8MM GALV REDUCING SOCKET      |
| GRS1508   | 15 X 8MM GALV REDUCING SOCKET      |
| GRS1510   | 15 X 10MM GALV REDUCING SOCKET     |
| GRS2008   | 20MM X 8MM GALV REDUCING SOCKET    |
| GRS2010   | 20 X 10MM GALV REDUCING SOCKET     |
| GRS2015   | 20 X 15MM GALV REDUCING SOCKET     |
| GRS2508   | 25 X 8MM GALV REDUCING SOCKET      |
| GRS2510   | 25 X 10MM GALV REDUCING SOCKET     |
| GRS2515   | 25 X 15MM GALV REDUCING SOCKET     |
| GRS2520   | 25 X 20MM GALV REDUCING SOCKET     |
| GRS3215   | 32 X 15MM GALV REDUCING SOCKET     |
| GRS3220   | 32 X 20MM GALV REDUCING SOCKET     |
| GRS3225   | 32 X 25MM GALV REDUCING SOCKET     |
| GRS4015   | 40 X 15MM GALV REDUCING SOCKET     |
| GRS4020   | 40 X 20MM GALV REDUCING SOCKET     |
| GRS4025   | 40 X 25MM GALV REDUCING SOCKET     |
| GRS4032   | 40 X 32MM GALV REDUCING SOCKET     |
| GRS5020   | 50 X 20MM GALV REDUCING SOCKET     |
| GRS5025   | 50 X 25MM GALV REDUCING SOCKET     |
| GRS5032   | 50 X 32MM GALV REDUCING SOCKET     |
| GRS5040   | 50 X 40MM GALV REDUCING SOCKET     |
| GRS6525   | 65 X 25MM GALV REDUCING SOCKET     |
| GRS6532   | 65 X 32MM GALV REDUCING SOCKET     |
| GRS6540   | 65 X 40MM GALV REDUCING SOCKET     |
| GRS6550   | 65 X 50MM GALV REDUCING SOCKET     |
| GRS8032   | 80 X 32MM GALV REDUCING SOCKET     |
| GRS8040   | 80 X 40MM GALV REDUCING SOCKET     |
| GRS8050   | 80 X 50MM GALV REDUCING SOCKET     |
| GRS8065   | 80 X 65MM GALV REDUCING SOCKET     |
| GRS10050  | 100 X 50MM GALV REDUCING SOCKET    |
| GRS10065  | 100 X 65MM GALV REDUCING SOCKET    |
| GRS10080  | 100MM X 80MM GALV RED SOCKET       |
| GRS150100 | 150MM X 100MM GALV REDUCING SOCKET |



CODE DESCRIPTION

**PLUG'S**

|       |                 |
|-------|-----------------|
| GP06  | 6MM GALV PLUG   |
| GP08  | 8MM GALV PLUG   |
| GP10  | 10MM GALV PLUG  |
| GP15  | 15MM GALV PLUG  |
| GP20  | 20MM GALV PLUG  |
| GP25  | 25MM GALV PLUG  |
| GP32  | 32MM GALV PLUG  |
| GP40  | 40MM GALV PLUG  |
| GP50  | 50MM GALV PLUG  |
| GP65  | 65MM GALV PLUG  |
| GP80  | 80MM GALV PLUG  |
| GP100 | 100MM GALV PLUG |



**90 DEG MALE/FEMALE BENDS**

|         |                     |
|---------|---------------------|
| GB08MF  | 8MM GALV BEND M/F   |
| GB10MF  | 10MM GALV BEND M/F  |
| GB15MF  | 15MM GALV BEND M/F  |
| GB20MF  | 20MM GALV BEND M/F  |
| GB25MF  | 25MM GALV BEND M/F  |
| GB32MF  | 32MM GALV BEND M/F  |
| GB40MF  | 40MM GALV BEND M/F  |
| GB50MF  | 50MM GALV BEND M/F  |
| GB65MF  | 65MM GALV BEND M/F  |
| GB80MF  | 80MM GALV BEND M/F  |
| GB100MF | 100MM GALV BEND M/F |



**90 DEG FEMALE BENDS**

|        |                        |
|--------|------------------------|
| GB10F  | 10MM GALV BEND FEMALE  |
| GB15F  | 15MM GALV BEND FEMALE  |
| GB20F  | 20MM GALV BEND FEMALE  |
| GB25F  | 25MM GALV BEND FEMALE  |
| GB32F  | 32MM GALV BEND FEMALE  |
| GB40F  | 40MM GALV BEND FEMALE  |
| GB50F  | 50MM GALV BEND FEMALE  |
| GB65F  | 65MM GALV BEND FEMALE  |
| GB80F  | 80MM GALV BEND FEMALE  |
| GB100F | 100MM GALV FEMALE BEND |



**90 DEG MALE BENDS**

|       |                     |
|-------|---------------------|
| GB10M | 10MM GALV BEND MALE |
| GB15M | 15MM GALV BEND MALE |
| GB20M | 20MM GALV BEND MALE |



| CODE            | DESCRIPTION         |
|-----------------|---------------------|
| <b>BACKNUTS</b> |                     |
| GBNU010         | 10MM GALV BACKNUT   |
| GBNU015         | 15MM GALV BACKNUT   |
| GBNU020         | 20MM GALV BACKNUT   |
| GBNU025         | 25MM GALV BACKNUT   |
| GBNU032         | 32MM GALV BACKNUT   |
| GBNU040         | 40MM GALV BACKNUT   |
| GBNU050         | 50MM GALV BACKNUT   |
| GBNU065         | 65MM GALV BACK NUT  |
| GBNU080         | 80MM GALV BACKNUT   |
| GBNU100         | 100MM GALV BACK NUT |



|                 |                         |
|-----------------|-------------------------|
| <b>FLANGE'S</b> |                         |
| GF15            | 15MM GALV FLANGE        |
| GF20            | 20MM GALV FLANGE        |
| GF25            | 25MM GALV FLANGE        |
| GF32            | 32MM GALV FLANGE        |
| GF40            | 40MM GALV FLANGE        |
| GF50            | 50MM GALV FLANGE        |
| GF65            | 65MM GALV FLANGE        |
| GF80            | 80MM GALV ROUND FLANGE  |
| GF100           | 100MM GALV FLANGE ROUND |



|                |                 |
|----------------|-----------------|
| <b>CROSSES</b> |                 |
| GCR10          | 10MM GALV CROSS |
| GCR15          | 15MM GALV CROSS |
| GCR20          | 20MM GALV CROSS |
| GCR25          | 25MM GALV CROSS |
| GCR32          | 32MM GALV CROSS |
| GCR40          | 40MM GALV CROSS |
| GCR50          | 50MM GALV CROSS |
| GCR65          | 65MM GALV CROSS |



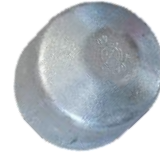
|  |                         |
|--|-------------------------|
| <b>90 DEG WROUGHT BEND (INCLUDES WROUGHT SOCKET)</b> |                         |
| GWB06  | 6MM GALV WROUGHT BEND   |
| GWB08  | 8MM GALV WROUGHT BEND   |
| GWB10  | 10MM GALV WROUGHT BEND  |
| GWB15  | 15MM GALV WROUGHT BEND  |
| GWB20  | 20MM GALV WROUGHT BEND  |
| GWB25  | 25MM GALV WROUGHT BEND  |
| GWB32  | 32MM GALV WROUGHT BEND  |
| GWB40  | 40MM GALV WROUGHT BEND  |
| GWB50  | 50MM GALV WROUGHT BEND  |
| GWB65  | 65MM GALV WROUGHT BEND  |
| GWB80  | 80MM GALV WROUGHT BEND  |
| GWB100   | 100MM GALV WROUGHT BEND |



CODE DESCRIPTION

**CAP - PUSH-ON**

|       |                         |
|-------|-------------------------|
| GCP20 | 20MM GALV CAP- PUSH ON  |
| GCP25 | 25MM GALV CAP- PUSH ON  |
| GCP32 | 32MM GALV CAP - PUSH ON |
| GCP40 | 40MM GALV CAP - PUSH ON |
| GCP50 | 50MM GALV CAP - PUSH ON |



**45 DEG MALE/FEMALE BEND**

|          |                        |
|----------|------------------------|
| GB45MF15 | 15MM GALV BEND 45' M/F |
| GB45MF20 | 20MM GALV BEND 45' M/F |
| GB45MF25 | 25MM GALV BEND 45' M/F |
| GB45MF32 | 32MM GALV BEND 45' M/F |
| GB45MF40 | 40MM GALV BEND 45' M/F |
| GB45MF50 | 50MM GALV BEND 45' M/F |



**45 DEG FEMALE ELBOW**

|          |                            |
|----------|----------------------------|
| GE45F8   | 8MM GALV ELBOW F 45 FEMALE |
| GE45F15  | 15MM GALV ELBOW 45 FEMALE  |
| GE45F20  | 20MM GALV ELBOW 45 FEMALE  |
| GE45F25  | 25MM GALV ELBOW 45 FEMALE  |
| GE45F32  | 32MM GALV ELBOW 45 FEMALE  |
| GE45F40  | 40MM GALV ELBOW 45 FEMALE  |
| GE45F50  | 50MM GALV ELBOW 45 FEMALE  |
| GE45F65  | 65MM GALV ELBOW 45 FEMALE  |
| GE45F80  | 80MM GALV ELBOW 45 FEMALE  |
| GE45F100 | 100MM GALV ELBOW 45 FEMALE |



**45 DEG MALE/FEMALE ELBOW**

|          |                        |
|----------|------------------------|
| GE45MF08 | 08MM GALV ELBOW 45 M/F |
| GE45MF15 | 15MM GALV ELBOW 45 M/F |
| GE45MF20 | 20MM GALV ELBOW 45 M/F |
| GE45MF25 | 25MM GALV ELBOW 45 M/F |
| GE45MF32 | 32MM GALV ELBOW 45 M/F |
| GE45MF40 | 40MM GALV ELBOW 45 M/F |
| GE45MF50 | 50MM GALV ELBOW 45 M/F |



**WROUGHT SOCKET**

|        |                           |
|--------|---------------------------|
| GWS006 | 6MM GALV WROUGHT SOCKET   |
| GWS008 | 8MM GALV WROUGHT SOCKET   |
| GWS010 | 10MM GALV WROUGHT SOCKET  |
| GWS015 | 15MM GALV WROUGHT SOCKET  |
| GWS020 | 20MM GALV WROUGHT SOCKET  |
| GWS025 | 25MM GALV WROUGHT SOCKET  |
| GWS032 | 32MM GALV WROUGHT SOCKET  |
| GWS040 | 40MM GALV WROUGHT SOCKET  |
| GWS050 | 50MM GALV WROUGHT SOCKET  |
| GWS065 | 65MM GALV WROUGHT SOCKET  |
| GWS080 | 80MM GALV WROUGHT SOCKET  |
| GWS100 | 100MM GALV WROUGHT SOCKET |
| GWS150 | 150MM GALV WROUGHT SOCKET |



CODE DESCRIPTION

**LONG SCREW COMPLETE**

|         |                                |
|---------|--------------------------------|
| GLS15C  | 15MM GALV LONG SCREW COMPLETE  |
| GLS20C  | 20MM GALV LONG SCREW COMPLETE  |
| GLS25C  | 25MM GALV LONG SCREW COMPLETE  |
| GLS32C  | 32MM GALV LONG SCREW COMPLETE  |
| GLS40C  | 40MM GALV LONG SCREW COMPLETE  |
| GLS50C  | 50MM GALV LONG SCREW COMPLETE  |
| GLS65C  | 65MM GALV LONG SCREW COMPLETE  |
| GLS80C  | 80MM GALV LONG SCREW COMPLETE  |
| GLS100C | 100MM GALV LONG SCREW COMPLETE |



**RIKEN COUPLER**

|         |                                       |
|---------|---------------------------------------|
| GRLC015 | 15MM RIKEN COUPLING C/W LOCKING RINGS |
| GRLC020 | 20MM RIKEN COUPLING C/W LOCKING RINGS |
| GRLC025 | 25MM RIKEN COUPLING C/W LOCKING RINGS |
| GRLC032 | 32MM RIKEN COUPLING C/W LOCKING RINGS |
| GRLC040 | 40MM RIKEN COUPLING C/W LOCKING RINGS |
| GRLC050 | 50MM RIKEN COUPLING C/W LOCKING RINGS |



**RIKEN MALE COUPLER**

|         |                                     |
|---------|-------------------------------------|
| GRMC015 | 15MM MALL. GALV. RIKEN MALE COUPLER |
| GRMC020 | 20MM MALL. GALV. RIKEN MALE COUPLER |
| GRMC025 | 25MM MALL. GALV. RIKEN MALE COUPLER |
| GRMC032 | 32MM MALL. GALV. RIKEN MALE COUPLER |
| GRMC040 | 40MM MALL. GALV. RIKEN MALE COUPLER |
| GRMC050 | 50MM MALL. GALV. RIKEN MALE COUPLER |



**GALVANISED BARRELL NIPPLE FITTINGS & WROUGHT PIECE**

CODE DESCRIPTION

**THREAD SIZE 6MM**

|          |                                |
|----------|--------------------------------|
| GBN0620  | 6MM GALV BARREL NIPPLE X 20MM  |
| GBN0630  | 6MM GALV BARREL NIPPLE X 30MM  |
| GBN0640  | 6MM GALV BARREL NIPPLE X 40MM  |
| GBN0650  | 6MM GALV BARREL NIPPLE X 50MM  |
| GBN0660  | 6MM GALV BARREL NIPPLE X 60MM  |
| GBN0670  | 6MM GALV BARREL NIPPLE X 70MM  |
| GBN0680  | 6MM GALV BARREL NIPPLE X 80MM  |
| GBN0690  | 6MM GALV BARREL NIPPLE X 90MM  |
| GWP06100 | 6MM GALV WROUGHT PIECE X 100MM |
| GWP06150 | 6MM GALV WROUGHT PIECE X 150MM |



| CODE     | DESCRIPTION                    |
|----------|--------------------------------|
|          | <b>THREAD SIZE 8MM</b>         |
| GBN0825  | 8MM GALV BARREL NIPPLE X 25MM  |
| GBN0830  | 8MM GALV BARREL NIPPLE X 30MM  |
| GBN0840  | 8MM GALV BARREL NIPPLE X 40MM  |
| GBN0850  | 8MM GALV BARREL NIPPLE X 50MM  |
| GBN0860  | 8MM GALV BARREL NIPPLE X 60MM  |
| GBN0870  | 8MM GALV BARREL NIPPLE X 70MM  |
| GBN0880  | 8MM GALV BARREL NIPPLE X 80MM  |
| GBN0890  | 8MM GALV BARREL NIPPLE X 90MM  |
| GWP08100 | 8MM GALV WROUGHT PIECE X 100MM |
| GWP08150 | 8MM GALV WROUGHT PIECE X 150MM |



|          |                                 |
|----------|---------------------------------|
|          | <b>THREAD SIZE 10MM</b>         |
| GBN1025  | 10MM GALV BARREL NIPPLE X 25MM  |
| GBN1030  | 10MM GALV BARREL NIPPLE X 30MM  |
| GBN1040  | 10MM GALV BARREL NIPPLE X 40MM  |
| GBN1050  | 10MM GALV BARREL NIPPLE X 50MM  |
| GBN1060  | 10MM GALV BARREL NIPPLE X 60MM  |
| GBN1070  | 10MM GALV BARREL NIPPLE X 70MM  |
| GBN1080  | 10MM GALV BARREL NIPPLE X 80MM  |
| GBN1090  | 10MM GALV BARREL NIPPLE X 90MM  |
| GWP10100 | 10MM GALV WROUGHT PIECE X 100MM |
| GWP10150 | 10MM GALV WROUGHT PIECE X 150MM |



|          |                                 |
|----------|---------------------------------|
|          | <b>THREAD SIZE 15MM</b>         |
| GBN1530  | 15MM GALV BARREL NIPPLE X 30MM  |
| GBN1540  | 15MM GALV BARREL NIPPLE X 40MM  |
| GBN1550  | 15MM GALV BARREL NIPPLE X 50MM  |
| GBN1560  | 15MM GALV BARREL NIPPLE X 60MM  |
| GBN1570  | 15MM GALV BARREL NIPPLE X 70MM  |
| GBN1580  | 15MM GALV BARREL NIPPLE X 80MM  |
| GBN1590  | 15MM GALV BARREL NIPPLE X 90MM  |
| GWP15100 | 15MM GALV WROUGHT PIECE X 100MM |
| GWP15150 | 15MM GALV WROUGHT PIECE X 150MM |
| GWP15200 | 15MM GALV WROUGHT PIECE X 200MM |
| GWP15250 | 15MM GALV WROUGHT PIECE X 250MM |
| GWP15300 | 15MM GALV WROUGHT PIECE X 300MM |
| GWP15400 | 15MM GALV WROUGHT PIECE X 400MM |
| GWP15500 | 15MM GALV WROUGHT PIECE X 500MM |
| GWP15600 | 15MM GALV WROUGHT PIECE X 600MM |



| CODE                    | DESCRIPTION                     |
|-------------------------|---------------------------------|
| <b>THREAD SIZE 20MM</b> |                                 |
| GBN2035                 | 20MM GALV BARREL NIPPLE X 35MM  |
| GBN2040                 | 20MM GALV BARREL NIPPLE X 40MM  |
| GBN2050                 | 20MM GALV BARREL NIPPLE X 50MM  |
| GBN2060                 | 20MM GALV BARREL NIPPLE X 60MM  |
| GBN2070                 | 20MM GALV BARREL NIPPLE X 70MM  |
| GBN2080                 | 20MM GALV BARREL NIPPLE X 80MM  |
| GBN2090                 | 20MM GALV BARREL NIPPLE X 90MM  |
|                         |                                 |
| GWP20100                | 20MM GALV WROUGHT PIECE X 100MM |
| GWP20150                | 20MM GALV WROUGHT PIECE X 150MM |
| GWP20160                | 20MM GALV WROUGHT PIECE X 160MM |
| GWP20200                | 20MM GALV WROUGHT PIECE X 200MM |
| GWP20250                | 20MM GALV WROUGHT PIECE X 250MM |
| GWP20300                | 20MM GALV WROUGHT PIECE X 300MM |
| GWP20350                | 20MM GALV WROUGHT PIECE X 350MM |
| GWP20400                | 20MM GALV WROUGHT PIECE X 400MM |
| GWP20450                | 20MM GALV WROUGHT PIECE X 450MM |
| GWP20500                | 20MM GALV WROUGHT PIECE X 500MM |
| GWP20600                | 20MM GALV WROUGHT PIECE X 600MM |



|                         |                                 |
|-------------------------|---------------------------------|
| <b>THREAD SIZE 25MM</b> |                                 |
| GBN2545                 | 25MM GALV BARREL NIPPLE X 45MM  |
| GBN2550                 | 25MM GALV BARREL NIPPLE X 50MM  |
| GBN2560                 | 25MM GALV BARREL NIPPLE X 60MM  |
| GBN2570                 | 25MM GALV BARREL NIPPLE X 70MM  |
| GBN2580                 | 25MM GALV BARREL NIPPLE X 80MM  |
| GBN2590                 | 25MM GALV BARREL NIPPLE X 90MM  |
|                         |                                 |
| GWP25100                | 25MM GALV WROUGHT PIECE X 100MM |
| GWP25150                | 25MM GALV WROUGHT PIECE X 150MM |
| GWP25200                | 25MM GALV WROUGHT PIECE X 200MM |
| GWP25250                | 25MM GALV WROUGHT PIECE X 250MM |
| GWP25300                | 25MM GALV WROUGHT PIECE X 300MM |
| GWP25350                | 25MM GALV WROUGHT PIECE X 350MM |
| GWP25400                | 25MM GALV WROUGHT PIECE X 400MM |
| GWP25450                | 25MM GALV WROUGHT PIECE X 450MM |
| GWP25500                | 25MM GALV WROUGHT PIECE X 500MM |
| GWP25600                | 25MM GALV WROUGHT PIECE X 600MM |



| CODE                    | DESCRIPTION                     |
|-------------------------|---------------------------------|
| <b>THREAD SIZE 32MM</b> |                                 |
| GBN3250                 | 32MM GALV BARREL NIPPLE X 50MM  |
| GBN3260                 | 32MM GALV BARREL NIPPLE X 60MM  |
| GBN3270                 | 32MM GALV BARREL NIPPLE X 70MM  |
| GBN3280                 | 32MM GALV BARREL NIPPLE X 80MM  |
| GBN3290                 | 32MM GALV BARREL NIPPLE X 90MM  |
| GWP32100                | 32MM GALV WROUGHT PIECE X 100MM |
| GWP32150                | 32MM GALV WROUGHT PIECE X 150MM |
| GWP32200                | 32MM GALV WROUGHT PIECE X 200MM |
| GWP32250                | 32MM GALV WROUGHT PIECE X 250MM |
| GWP32300                | 32MM GALV WROUGHT PIECE X 300MM |
| GWP32350                | 32MM GALV WROUGHT PIECE X 350MM |
| GWP32400                | 32MM GALV WROUGHT PIECE X 400MM |
| GWP32450                | 32MM GALV WROUGHT PIECE X 450MM |
| GWP32500                | 32MM GALV WROUGHT PIECE X 500MM |
| GWP32600                | 32MM GALV WROUGHT PIECE X 600MM |



|                         |                                 |
|-------------------------|---------------------------------|
| <b>THREAD SIZE 40MM</b> |                                 |
| GBN4050                 | 40MM GALV BARREL NIPPLE X 50MM  |
| GBN4060                 | 40MM GALV BARREL NIPPLE X 60MM  |
| GBN4070                 | 40MM GALV BARREL NIPPLE X 70MM  |
| GBN4080                 | 40MM GALV BARREL NIPPLE X 80MM  |
| GBN4090                 | 40MM GALV BARREL NIPPLE X 90MM  |
| GWP40100                | 40MM GALV WROUGHT PIECE X 100MM |
| GWP40150                | 40MM GALV WROUGHT PIECE X 150MM |
| GWP40200                | 40MM GALV WROUGHT PIECE X 200MM |
| GWP40250                | 40MM GALV WROUGHT PIECE X 250MM |
| GWP40300                | 40MM GALV WROUGHT PIECE X 300MM |
| GWP40350                | 40MM GALV WROUGHT PIECE X 350MM |
| GWP40400                | 40MM GALV WROUGHT PIECE X 400MM |
| GWP40450                | 40MM GALV WROUGHT PIECE X 450MM |
| GWP40500                | 40MM GALV WROUGHT PIECE X 500MM |
| GWP40600                | 40MM GALV WROUGHT PIECE X 600MM |



| CODE                     | DESCRIPTION                      |
|--------------------------|----------------------------------|
| <b>THREAD SIZE 50MM</b>  |                                  |
| GBN5050                  | 50MM GALV BARREL NIPPLE X 50MM   |
| GBN5060                  | 50MM GALV BARREL NIPPLE X 60MM   |
| GBN5070                  | 50MM GALV BARREL NIPPLE X 70MM   |
| GBN5080                  | 50MM GALV BARREL NIPPLE X 80MM   |
| GBN5090                  | 50MM GALV BARREL NIPPLE X 90MM   |
| GWP50100                 | 50MM GALV WROUGHT PIECE X 100MM  |
| GWP50150                 | 50MM GALV WROUGHT PIECE X 150MM  |
| GWP50200                 | 50MM GALV WROUGHT PIECE X 200MM  |
| GWP50250                 | 50MM GALV WROUGHT PIECE X 250MM  |
| GWP50300                 | 50MM GALV WROUGHT PIECE X 300MM  |
| GWP50350                 | 50MM GALV WROUGHT PIECE X 350MM  |
| GWP50400                 | 50MM GALV WROUGHT PIECE X 400MM  |
| GWP50450                 | 50MM GALV WROUGHT PIECE X 450MM  |
| GWP50500                 | 50MM GALV WROUGHT PIECE X 500MM  |
| GWP50600                 | 50MM GALV WROUGHT PIECE X 600MM  |
| <b>THREAD SIZE 65MM</b>  |                                  |
| GBN6570                  | 65MM GALV BARREL NIPPLE X 70MM   |
| GBN6580                  | 65MM GALV BARREL NIPPLE X 80MM   |
| GBN6590                  | 65MM GALV BARREL NIPPLE X 90MM   |
| GWP65100                 | 65MM GALV WROUGHT PIECE X 100MM  |
| GWP65150                 | 65MM GALV WROUGHT PIECE X 150MM  |
| GWP65200                 | 65MM GALV WROUGHT PIECE X 200MM  |
| GWP65250                 | 65MM GALV WROUGHT PIECE X 250MM  |
| GWP65300                 | 65MM GALV WROUGHT PIECE X 300MM  |
| GWP65400                 | 65MM GALV WROUGHT PIECE X 400MM  |
| GWP65500                 | 65MM GALV WROUGHT PIECE X 500MM  |
| GWP65600                 | 65MM GALV WROUGHT PIECE X 600MM  |
| <b>THREAD SIZE 80MM</b>  |                                  |
| GBN8080                  | 80MM GALV BARREL NIPPLE X 80MM   |
| GBN8090                  | 80MM GALV BARREL NIPPLE X 90MM   |
| GWP80100                 | 80MM GALV WROUGHT PIECE X 100MM  |
| GWP80150                 | 80MM GALV WROUGHT PIECE X 150MM  |
| GWP80200                 | 80MM GALV WROUGHT PIECE X 200MM  |
| GWP80250                 | 80MM GALV WROUGHT PIECE X 250MM  |
| GWP80300                 | 80MM GALV WROUGHT PIECE X 300MM  |
| <b>THREAD SIZE 100MM</b> |                                  |
| GBN10080                 | 100MM GALV BARREL NIPPLE X 80MM  |
| GBN10090                 | 100MM GALV BARREL NIPPLE X 90MM  |
| GWP100100                | 100MM GALV WROUGHT PIECE X 100MM |
| GWP100150                | 100MM GALV WROUGHT PIECE X 150MM |
| GWP100200                | 100MM GALV WROUGHT PIECE X 200MM |
| GWP100250                | 100MM GALV WROUGHT PIECE X 250MM |
| GWP100300                | 100MM GALV WROUGHT PIECE X 300MM |



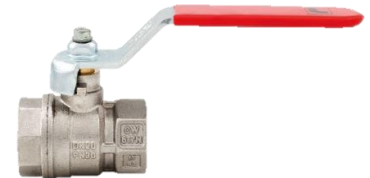
**ITAP BALL VALVES - STANDARD BSP THREAD**

Minimum and maximum water temp 0°C, 150°C

| CODE | DESCRIPTION | PSI (max) |
|------|-------------|-----------|
|------|-------------|-----------|

**SHORT THREAD, LEVER HANDLE-FLAT, FEMALE/FEMALE**

|        |  |     |
|--------|--|-----|
| 216008 | 08mm Itap Ball Valve Lever Handle F/F  | 710 |
| 216010 | 10mm Itap Ball Valve Lever Handle F/F  | 710 |
| 216015 | 15mm Itap Ball Valve Lever Handle F/F  | 430 |
| 216020 | 20mm Itap Ball Valve Lever Handle F/F  | 430 |
| 216025 | 25mm Itap Ball Valve Lever Handle F/F  | 430 |
| 216032 | 32mm Itap Ball Valve Lever Handle F/F  | 360 |
| 216040 | 40mm Itap Ball Valve Lever Handle F/F  | 360 |
| 216050 | 50mm Itap Ball Valve Lever Handle F/F  | 360 |
| 216065 | 65mm Itap Ball Valve Lever Handle F/F  | 260 |
| 216080 | 80mm Itap Ball Valve Lever Handle F/F  | 230 |
| 216100 | 100mm Itap Ball Valve Lever Handle F/F | 200 |



**SHORT THREAD, LEVER HANDLE FLAT, MALE/FEMALE**

|        |                                       |     |
|--------|---------------------------------------|-----|
| 217008 | 08mm Itap Ball Valve Lever Handle M/F | 710 |
| 217010 | 10mm Itap Ball Valve Lever Handle M/F | 710 |
| 217015 | 15mm Itap Ball Valve Lever Handle M/F | 430 |
| 217020 | 20mm Itap Ball Valve Lever Handle M/F | 430 |
| 217025 | 25mm Itap Ball Valve Lever Handle M/F | 430 |
| 217032 | 32mm Itap Ball Valve Lever Handle M/F | 360 |
| 217040 | 40mm Itap Ball Valve Lever Handle M/F | 430 |
| 217050 | 50mm Itap Ball Valve Lever Handle M/F | 360 |



**SHORT THREAD, T-HANDLE, FEMALE/FEMALE**

|        |                                     |     |
|--------|-------------------------------------|-----|
| 118008 | 08mm Itap Ball Valve Tee Handle F/F | 710 |
| 118010 | 10mm Itap Ball Valve Tee Handle F/F | 710 |
| 118015 | 15mm Itap Ball Valve Tee Handle F/F | 430 |
| 118020 | 20mm Itap Ball Valve Tee Handle F/F | 430 |
| 118025 | 25mm Itap Ball Valve Tee Handle F/F | 430 |



**SHORT THREAD, T-HANDLE, MALE/FEMALE**

|        |                                     |     |
|--------|-------------------------------------|-----|
| 119008 | 08mm Itap Ball Valve Tee Handle M/F | 710 |
| 119010 | 10mm Itap Ball Valve Tee Handle M/F | 710 |
| 119015 | 15mm Itap Ball Valve Tee Handle M/F | 430 |
| 119020 | 20mm Itap Ball Valve Tee Handle M/F | 430 |
| 119025 | 25mm Itap Ball Valve Tee Handle M/F | 430 |



**GAS SHORT THREAD, T-HANDLE, FEMALE/FEMALE**

|        |                                     |      |
|--------|-------------------------------------|------|
| 068020 | 20mm Itap Gas Ball Valve Tee Handle | 72.5 |
| 068025 | 25mm Itap Gas Ball Valve Tee Handle | 72.5 |



**ITAP BALL VALVES**

Minimum and maximum water temp 0°C, 150°C

| CODE | DESCRIPTION | PSI (max) |
|------|-------------|-----------|
|------|-------------|-----------|

**UNION BALL VALVES**

|        |                            |     |
|--------|----------------------------|-----|
| 098015 | 15mm Ball Valve with Union | 725 |
| 098020 | 20mm Ball Valve with Union | 580 |
| 098025 | 25mm Ball Valve with Union | 580 |



**RIGHT ANGLE BALL VALVES**

|        |  |     |
|--------|--|-----|
| 298015 | 15mm Right Angle Ball Valve with Union | 725 |
| 298020 | 20mm Right Angle Ball Valve with Union | 580 |
| 298025 | 25mm Right Angle Ball Valve with Union | 580 |



**SHORT THREAD, T-HANDLE, MALE/MALE**

Body in nickel-plated brass & Lever handle in Aluminium.  
 Minimum and maximum working temperatures: -10°C, 95°C in absence of steam.

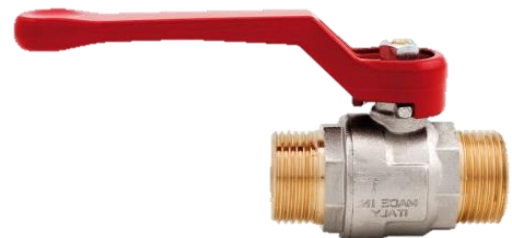
|         |                                 |     |
|---------|---------------------------------|-----|
| 099015T | 15mm Itap Ball Valve Tee Handle | 580 |
| 099020T | 20mm Itap Ball Valve Tee Handle | 580 |



**SHORT THREAD, LEVER HANDLE FLAT, MALE/MALE**

Body in nickel-plated brass & Lever handle in Aluminium.  
 Minimum and maximum working temperatures: -10°C, 95°C in absence of steam.

|         |                                   |     |
|---------|-----------------------------------|-----|
| 099015L | 15mm Itap Ball Valve Lever Handle | 580 |
| 099020L | 20mm Itap Ball Valve Lever Handle | 580 |



**LONG THREAD BALL VALVE - STAINLESS STEEL HANDLE**

Full bore PTFE seals  
20 BAR  
Nickel-plated brass ball and body  
Working Temp 0°C to +150°C

| CODE   | DESCRIPTION                         |
|--------|-------------------------------------|
| 516015 | 15mm Macflo® Long Thread Ball Valve |
| 516020 | 20mm Macflo® Long Thread Ball Valve |
| 516025 | 25mm Macflo® Long Thread Ball Valve |
| 516032 | 32mm Macflo® Long Thread Ball Valve |
| 516040 | 40mm Macflo® Long Thread Ball Valve |
| 516050 | 50mm Macflo® Long Thread Ball Valve |



**MACFLO® BALL VALVES**

**MACFLO® BALL VALVE - STAINLESS STEEL HANDLES**

Full bore PTFE seals  
25 BAR  
Nickel-plated brass ball and body

|        |                          |
|--------|--------------------------|
| 316008 | 08mm Macflo® Ball Valve  |
| 316010 | 10mm Macflo® Ball Valve  |
| 316015 | 15mm Macflo® Ball Valve  |
| 316020 | 20mm Macflo® Ball Valve  |
| 316025 | 25mm Macflo® Ball Valve  |
| 316032 | 32mm Macflo® Ball Valve  |
| 316040 | 40mm Macflo® Ball Valve  |
| 316050 | 50mm Macflo® Ball Valve  |
| 316065 | 65mm Macflo® Ball Valve  |
| 316080 | 80mm Macflo® Ball Valve  |
| 316100 | 100mm Macflo® Ball Valve |



**MACFLO® BALL VALVE - STAINLESS STEEL HANDLE**

|        |                             |
|--------|-----------------------------|
| 317008 | 08mm Macflo® Ball Valve M/F |
| 317010 | 10mm Macflo® Ball Valve M/F |
| 317015 | 15mm Macflo® Ball Valve M/F |
| 317020 | 20mm Macflo® Ball Valve M/F |
| 317025 | 25mm Macflo® Ball Valve M/F |
| 317032 | 32mm Macflo® Ball Valve M/F |



**MACFLO® RIGHTANGLE BALL VALVES**

|        |  |
|--------|--|
| 320020 | 1" x 20mm Macflo® Right Angle Ball Valve     |
| 320025 | 1 1/4" x 25mm Macflo® Right Angle Ball Valve |



**MACFLO® BALL VALVE - ALUMINIUM MALE/FEMALE T HANDLE**

| CODE   | DESCRIPTION                          |
|--------|--------------------------------------|
| 319008 | 08mm Macflo® T Handle Ball Valve M/F |
| 319010 | 10mm Macflo® T Handle Ball Valve M/F |
| 319015 | 15mm Macflo® T Handle Ball Valve M/F |
| 319020 | 20mm Macflo® T Handle Ball Valve M/F |
| 319025 | 25mm Macflo® T Handle Ball Valve M/F |



**MACFLO® BALL VALVE - ALUMINIUM FEMALE T HANDLE**

|        |                                      |
|--------|--------------------------------------|
| 318008 | 08mm Macflo® T Handle Ball Valve F/F |
| 318010 | 10mm Macflo® T Handle Ball Valve F/F |
| 318015 | 15mm Macflo® T Handle Ball Valve F/F |
| 318020 | 20mm Macflo® T Handle Ball Valve F/F |
| 318025 | 25mm Macflo® T Handle Ball Valve F/F |



**MACFLO® STAINLESS STEEL BALL VALVES**

2-piece - 316 s/s

Full Bore

1000 PSI

|       |                                 |
|-------|---------------------------------|
| SBV15 | 15mm S/Steel 2-Piece Ball Valve |
| SBV20 | 20mm S/Steel 2-Piece Ball Valve |
| SBV25 | 25mm S/Steel 2-Piece Ball Valve |
| SBV32 | 32mm S/Steel 2-Piece Ball Valve |
| SBV40 | 40mm S/Steel 2-Piece Ball Valve |
| SBV50 | 50mm S/Steel 2-Piece Ball Valve |
| SBV65 | 65mm S/Steel 2-Piece Ball Valve |



**MACFLO® NYLON BALL VALVE**

Stainless Steel Lever Handle

Nominal Pressure: 1.6MPa

Working Temp -20°C to +120°C

|        |  |
|--------|--|
| 416015 | 15mm Nylon Ball Valve S/S Lever Handle |
| 416020 | 20mm Nylon Ball Valve S/S Lever Handle |
| 416025 | 25mm Nylon Ball Valve S/S Lever Handle |
| 416032 | 32mm Nylon Ball Valve S/S Lever Handle |
| 416040 | 40mm Nylon Ball Valve S/S Lever Handle |
| 416050 | 50mm Nylon Ball Valve S/S Lever Handle |



### EUROPA BRASS SPRING CHECK VALVES

Body in brass.

Plate in stainless steel.

Washer in NBR.

Stainless steel spring.

Minimum and maximum working temperatures: -20°C, 100°C.

| CODE  | DESCRIPTION              | PSI (max) |
|-------|--------------------------|-----------|
| EU10  | 10mm Europa Check Valve  | 360       |
| EU15  | 15mm Europa Check Valve  | 360       |
| EU20  | 20mm Europa Check Valve  | 360       |
| EU25  | 25mm Europa Check Valve  | 360       |
| EU32  | 32mm Europa Check Valve  | 260       |
| EU40  | 40mm Europa Check Valve  | 260       |
| EU50  | 50mm Europa Check Valve  | 260       |
| EU65  | 65mm Europa Check Valve  | 170       |
| EU80  | 80mm Europa Check Valve  | 170       |
| EU100 | 100mm Europa Check Valve | 170       |



### FOOT VALVE SCREENS

Available with 304 Stainless Steel with Polymer male threaded

|        |                         |
|--------|-------------------------|
| FVS10  | 10mm Foot Valve Screen  |
| FVS15  | 15mm Foot Valve Screen  |
| FVS20  | 20mm Foot Valve Screen  |
| FVS25  | 25mm Foot Valve Screen  |
| FVS32  | 32mm Foot Valve Screen  |
| FVS40  | 40mm Foot Valve Screen  |
| FVS50  | 50mm Foot Valve Screen  |
| FVS65  | 65mm Foot Valve Screen  |
| FVS80  | 80mm Foot Valve Screen  |
| FVS100 | 100mm Foot Valve Screen |



Polymer with male thread up to 50mm

|        |                             |
|--------|-----------------------------|
| FVSP15 | 15mm Poly Foot Valve Screen |
| FVSP20 | 20mm Poly Foot Valve Screen |
| FVSP25 | 25mm Poly Foot Valve Screen |
| FVSP32 | 32mm Poly Foot Valve Screen |
| FVSP40 | 40mm Poly Foot Valve Screen |
| FVSP50 | 50mm Poly Foot Valve Screen |



### MACFLO® STAINLESS STEEL CHECK VALVES

S/steel 316; BSP thread; temperature range: -40°C to 350°C

Pressure: 1.6-6.4 Mpa / 150-300LB; metal seat

|        |                                     |
|--------|-------------------------------------|
| 104020 | 20mm Macflo® S/S Spring Check Valve |
| 104025 | 25mm Macflo® S/S Spring Check Valve |
| 104032 | 32mm Macflo® S/S Spring Check Valve |
| 104040 | 40mm Macflo® S/S Spring Check Valve |
| 104050 | 50mm Macflo® S/S Spring Check Valve |



**HOSE TAPS, VALVES AND TAPS**

CODE DESCRIPTION

**ITAP BALL HOSE TAPS**

Body in nickel-plated brass with Hose connection in nylon.  
 Minimum and maximum working temperatures: -20°C, 80°C.

|             |  |
|-------------|--|
| ITAP15HT    | 15mm Hose Tail x ½" BSP                |
| ITAP15LHT   | 15mm Hose Tail x ½" BSP - Lockable     |
| ITAP2015LHT | 20mm Hose Tail x ¾" x ½" BSP- Lockable |
| ITAP20HT    | 20mm Hose Tail x ¾" BSP                |
| ITAP25HT    | 25mm Hose Tail x 1" BSP                |
| ITAP15SHT   | 15mm Hose Tail x ½" BSP W/SPIN NOZZLE  |

|             |  |
|-------------|--|
| ITAP20HTCON | ITAP HT metal tail for the 15MM hose tap |
| ITAP25HTCON | ITAP HT metal tail for the 20MM hose tap |



**MACFLO NYLON BALL HOSE TAP**

Brass thread, Nylon Body & Handle  
 Stainless Steel hose tail. Nickel plated brass ball

|        |                          |
|--------|--------------------------|
| 401015 | 15mm Nylon Ball Hose Tap |
| 401020 | 20mm Nylon Ball Hose Tap |



**BRASS HOSE TAPS**

|           |                                   |
|-----------|-----------------------------------|
| HT1535    | 15mm Male Hose Tap                |
| HT2035    | 20mm Male Hose Tap                |
| HT1535F   | 15mm Female Hose Tap              |
| HT1535LS  | 15mm Lockshield Hose Tap          |
| HT1535LSK | 15mm Lockshield Hose Tap Key Only |



**HOSE TAP WASHERS**

|       |                      |
|-------|----------------------|
| HTW15 | 15mm Hose Tap Washer |
| HTW20 | 20mm Hose Tap Washer |



**HOSE TAP JUMPER VALVES**

|        |                            |
|--------|----------------------------|
| HTJV15 | 15mm Hose Tap Jumper Valve |
| HTJV20 | 20mm Hose Tap Jumper Valve |



#### PHILMAC CHECK VALVES

BSP female tread, Glass-filled nylon body, 200 PSI  
316 stainless steel spring, Nitrile rubber seat

| CODE  | DESCRIPTION              |
|-------|--------------------------|
| PCV20 | 20mm Philmac Check Valve |
| PCV25 | 25mm Philmac Check Valve |
| PCV32 | 32mm Philmac Check Valve |
| PCV40 | 40mm Philmac Check Valve |
| PCV50 | 50mm Philmac Check Valve |



#### ANKA SPRING CHECK VALVES

Acetal plunger assembly  
Nitrile 70 rubber seat  
Stainless steel spring  
Glass reinforced nylon body

|       |                       |
|-------|-----------------------|
| ACV15 | 15mm Anka Check Valve |
| ACV20 | 20mm Anka Check Valve |
| ACV25 | 25mm Anka Check Valve |
| ACV32 | 32mm Anka Check Valve |
| ACV40 | 40mm Anka Check Valve |
| ACV50 | 50mm Anka Check Valve |



#### FOOT VALVE SCREENS

|        |                        |
|--------|------------------------|
| AFVS20 | 20mm Foot Valve Screen |
| AFVS25 | 25mm Foot Valve Screen |
| AFVS32 | 32mm Foot Valve Screen |
| AFVS40 | 40mm Foot Valve Screen |
| AFVS50 | 50mm Foot Valve Screen |



#### MACFLO® PVC DOUBLE UNION CHECK VALVES

Min opening pressure 20mm - 40mm = 0.10 BAR 50mm = .008 BAR  
Max Working Pressure = 16 BAR

|         |   |
|---------|---|
| MDCV020 | 20mm Macflo® PVC Double Union Check Valve |
| MDCV025 | 25mm Macflo® PVC Double Union Check Valve |
| MDCV032 | 32mm Macflo® PVC Double Union Check Valve |
| MDCV040 | 40mm Macflo® PVC Double Union Check Valve |
| MDCV050 | 50mm Macflo® PVC Double Union Check Valve |



#### ALSO AVAILABLE FOR THE PVC DOUBLE UNION BALL VALVE

|           |  |
|-----------|--|
| MDCV020SE | 20MM PVC CHECK VALVE SOLVENT WELD END ONLY |
| MDCV025SE | 25MM PVC CHECK VALVE SOLVENT WELD END ONLY |
| MDCV032SE | 32MM PVC CHECK VALVE SOLVENT WELD END ONLY |
| MDCV040SE | 40MM PVC CHECK VALVE SOLVENT WELD END ONLY |
| MDCV050SE | 50MM PVC CHECK VALVE SOLVENT WELD END ONLY |



**PRESSURE REDUCING VALVES**

CODE DESCRIPTION

**PRESSURE REDUCING VALVES**

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems  
 Can be installed in any position: vertical, horizontal, oblique.  
 Maximum working temperature: 80°C  
 Maximum inlet pressure: 15 bar  
 Outlet pressure: can be adjusted between 1 and 4 bar.

|         |                              |
|---------|------------------------------|
| ITAP15P | 15mm Pressure Reducing Valve |
| ITAP20P | 20mm Pressure Reducing Valve |



**PRESSURE REDUCING VALVES**

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems  
 Can be installed in any position: vertical, horizontal, oblique.  
 Maximum working temperature: 130°C  
 Maximum inlet pressure: 25 bar  
 Outlet pressure: can be adjusted between 0.5 and 6 bar.  
 Outlet pressure gauge connections 1/4" on both sides  
 Factory preset @ 3 bar outlet pressure

|         |                              |
|---------|------------------------------|
| ITAP25P | 25mm Pressure Reducing Valve |
| ITAP32P | 32mm Pressure Reducing Valve |
| ITAP40P | 40mm Pressure Reducing Valve |
| ITAP50P | 50mm Pressure Reducing Valve |



**ITAP AUTOMATIC AIR VENT VALVE**

Body in nickel-plated brass & Float in polyethilenic resin.  
 Maximum working temperature: 110°C.  
 Maximum discharge pressure: 6 bar.

|          |                     |
|----------|---------------------|
| ITAP10AV | 10mm Air Vent Valve |
| ITAP15AV | 15mm Air Vent Valve |



**AIR BLEED VALVE**

Body in chrome-plated brass & Handle in acetalic resin.  
 Maximum working temperature: 90°C

|         |                     |
|---------|---------------------|
| ITAP6AB | 6mm Air Bleed Valve |
| ITAP8AB | 8mm Air Bleed Valve |



## BRASS GATE VALVES

Cast handle 200lbs PSI  
Heavy duty brass  
FEMALE/FEMALE

| CODE   | DESCRIPTION            |
|--------|------------------------|
| GVS15  | 15mm Brass Gate Valve  |
| GVS20  | 20mm Brass Gate Valve  |
| GVS25  | 25mm Brass Gate Valve  |
| GVS32  | 32mm Brass Gate Valve  |
| GVS40  | 40mm Brass Gate Valve  |
| GVS50  | 50mm Brass Gate Valve  |
| GVS65  | 65mm Brass Gate Valve  |
| GVS80  | 80mm Brass Gate Valve  |
| GVS100 | 100mm Brass Gate Valve |



MALE/FEMALE  
Cast handle 200lbs PSI  
Heavy duty brass

|        |                           |
|--------|---------------------------|
| GV15MF | 15mm Brass Gate Valve M/F |
| GV20MF | 20mm Brass Gate Valve M/F |



MALE/MALE  
Cast handle 200lbs PSI  
Heavy duty brass

|       |                           |
|-------|---------------------------|
| GV15M | 15mm Brass Gate Valve M/M |
| GV20M | 20mm Brass Gate Valve M/M |



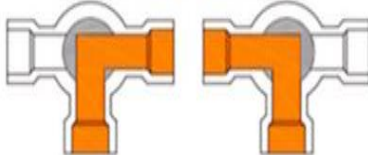
## THREE-WAY BALL VALVE (L-Port & T-Port)

Body in nickel-plated brass.  
Minimum and maximum working temperatures: -10°C, 120°C in absence of steam.

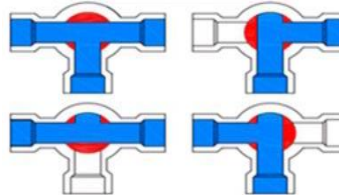
| CODE    | DESCRIPTION                  | PSI |
|---------|------------------------------|-----|
| BBV153L | 15mm 3-Way L-Port Ball Valve | 430 |
| BBV203L | 20mm 3-Way L-Port Ball Valve | 430 |
| BBV253L | 25mm 3-Way L-Port Ball Valve | 230 |
| BBV323L | 32mm 3-Way L-Port Ball Valve | 140 |
| BBV403L | 40mm 3-Way L-Port Ball Valve | 140 |
| BBV503L | 50mm 3-Way L-Port Ball Valve | 140 |
| BBV153T | 15mm 3-Way T-Port Ball Valve | 430 |
| BBV203T | 20mm 3-Way T-Port Ball Valve | 430 |
| BBV253T | 25mm 3-Way T-Port Ball Valve | 230 |
| BBV323T | 32mm 3-Way T-Port Ball Valve | 140 |
| BBV403T | 40mm 3-Way T-Port Ball Valve | 140 |
| BBV503T | 50mm 3-Way T-Port Ball Valve | 140 |



Different Position of 'L' Port



Different Position of 'T' Port



**CHECK VALVES, BALL VALVES AND RELEASE VALVES**

CODE DESCRIPTION

**KITZ BRONZE SWING CHECK VALVES**

|           |                             |
|-----------|-----------------------------|
| KITZ15SWC | 15mm Kitz Swing Check Valve |
| KITZ20SWC | 20mm Kitz Swing Check Valve |
| KITZ25SWC | 25mm Kitz Swing Check Valve |
| KITZ32SWC | 32mm Kitz Swing Check Valve |
| KITZ40SWC | 40mm Kitz Swing Check Valve |
| KITZ50SWC | 50mm Kitz Swing Check Valve |
| KITZ65SWC | 65mm Kitz Swing Check Valve |
| KITZ80SWC | 80mm Kitz Swing Check Valve |



**BRASS SWING CHECK VALVES (HEAVY DUTY)**

|         |                               |
|---------|-------------------------------|
| BCVH015 | 15mm Brass Swing Check Valve  |
| BCVH020 | 20mm Brass Swing Check Valve  |
| BCVH025 | 25mm Brass Swing Check Valve  |
| BCVH032 | 32mm Brass Swing Check Valve  |
| BCVH040 | 40mm Brass Swing Check Valve  |
| BCVH050 | 50mm Brass Swing Check Valve  |
| BCVH065 | 65mm Brass Swing Check Valve  |
| BCVH080 | 80mm Brass Swing Check Valve  |
| BCVH100 | 100mm Brass Swing Check Valve |



**MACFLO® STAINLESS STEEL CHECK VALVES**

S/steel 316; BSP thread; temperature range: -40°C to 350°C  
 Pressure: 1.6-6.4 Mpa / 150-300LB; metal seat

|        |                                    |
|--------|------------------------------------|
| 204020 | 20mm Macflo® S/S Swing Check Valve |
| 204025 | 25mm Macflo® S/S Swing Check Valve |
| 204032 | 32mm Macflo® S/S Swing Check Valve |
| 204040 | 40mm Macflo® S/S Swing Check Valve |
| 204050 | 50mm Macflo® S/S Swing Check Valve |



**MACFLO® CAST IRON BALL CHECK VALVE**

|         |                                 |
|---------|---------------------------------|
| MBCV032 | 32mm Cast Iron Ball Check Valve |
| MBCV040 | 40mm Cast Iron Ball Check Valve |
| MBCV050 | 50mm Cast Iron Ball Check Valve |
| MBCV065 | 65mm Cast Iron Ball Check Valve |
| MBCV080 | 80mm Cast iron ball check valve |

\*  
\*  
\*  
\*  
\*



### PVC BALL VALVES

CODE DESCRIPTION

#### MACFLO® DOUBLE UNION PVC BALL VALVES

Full bore, 16 bar, EDPM o-rings, BSP threads

Max working temp: 60°C

|         |                                       |
|---------|---------------------------------------|
| MDBV015 | 15mm Macflo® Double Union Ball Valve  |
| MDBV020 | 20mm Macflo® Double Union Ball Valve  |
| MDBV025 | 25mm Macflo® Double Union Ball Valve  |
| MDBV032 | 32mm Macflo® Double Union Ball Valve  |
| MDBV040 | 40mm Macflo® Double Union Ball Valve  |
| MDBV050 | 50mm Macflo® Double Union Ball Valve  |
| MDBV065 | 65mm Macflo® Double Union Ball Valve  |
| MDBV080 | 80mm Macflo® Double Union Ball Valve  |
| MDBV100 | 100mm Macflo® Double Union Ball Valve |



#### MACFLO® COMPACT BALL VALVES

Max pressure: 10 bar

|         |   |
|---------|---|
| MCBV015 | 15mm Macflo® Compact Ball Valve             |
| MCBV020 | 20mm Macflo® Compact Ball Valve             |
| MCBV025 | 25mm Macflo® Compact Ball Valve             |
| MCBV032 | 32mm Macflo® Compact Ball Valve             |
| MCBV040 | 40mm Macflo® Compact Ball Valve             |
| MCBV050 | 50mm Macflo® Compact Ball Valve             |
| MCBV065 | 65mm Macflo® Compact Ball Valve Long Handle |
| MCBV080 | 80mm Macflo® Compact Ball Valve Long Handle |
| MCBV100 | 10mm Macflo® Compact Ball Valve Long Handle |



#### PHILMAC BALL VALVES

BSP female thread, Glass-filled nylon body, 200 PSI

Teflon-filled polypropylene seals, Nitrile rubber o-ring

|       |                         |
|-------|-------------------------|
| PBV15 | 15mm Philmac Ball Valve |
| PBV20 | 20mm Philmac Ball Valve |
| PBV25 | 25mm Philmac Ball Valve |
| PBV32 | 32mm Philmac Ball Valve |
| PBV40 | 40mm Philmac Ball Valve |
| PBV50 | 50mm Philmac Ball Valve |



#### PHILMAC DUAL ACTION AIR RELEASE VALVE

BSP male thread, durable UV and impact resistant advanced thermoplastics

|        |  |
|--------|--|
| PHARVD | 25mm Philmac Dual Action Air Release Valve |
|--------|--|



#### ANKA VACUUM BREAK VALVE

Manufactured of glass fibre reinforced nylon body with BSPT threads

|       |                         |
|-------|-------------------------|
| AVB25 | 25mm Vacuum Break Valve |
|-------|-------------------------|



**MINI BALL VALVES**

| CODE      | DESCRIPTION              |
|-----------|--------------------------|
| ITAPM6F   | 6mm Mini Ball Valve F/F  |
| ITAPM8F   | 8mm Mini Ball Valve F/F  |
| ITAPM10F  | 10mm Mini Ball Valve F/F |
| ITAPM15F  | 15mm Mini Ball Valve F/F |
| ITAPM20F  | 20mm Mini Ball Valve F/F |
| ITAPM6MF  | 6mm Mini Ball Valve M/F  |
| ITAPM8MF  | 8mm Mini Ball Valve M/F  |
| ITAPM10MF | 10mm Mini Ball Valve M/F |
| ITAPM15MF | 15mm Mini Ball Valve M/F |
| ITAPM20MF | 20mm Mini Ball Valve M/F |

**Screwdriver Handle:**

|           |                          |
|-----------|--------------------------|
| BBVM15MFS | 15mm Mini Ball Valve M/F |
|-----------|--------------------------|

**Black handle:**

|          |                          |
|----------|--------------------------|
| BBVM15MF | 15mm Mini Ball Valve F/F |
| BBVM20MF | 20mm Mini Ball Valve F/F |

**Blue handle:**

|           |                          |
|-----------|--------------------------|
| BBVM15MFB | 15mm Mini Ball Valve F/F |
|-----------|--------------------------|

**DISHWASHER TAPS**

|           |  |
|-----------|--|
| BBV15DTMH | 15mm Male Dishwasher Tap - Red Handle    |
| BBV15DTMC | 15mm Male Dishwasher Tap - Blue Handle   |
| BBV15DTFH | 15mm Female Dishwasher Tap - Red Handle  |
| BBV15DTFC | 15mm Female Dishwasher Tap - Blue Handle |

**DUPLEX WASHING MACHINE TAP**

|           |                                 |
|-----------|---------------------------------|
| ITAP15DUP | 15mm Duplex Washing Machine Tap |
|-----------|---------------------------------|

**ANGLE HOSE TAP**

|          |                     |
|----------|---------------------|
| ITAP15AT | 15mm Angle Hose tap |
|----------|---------------------|

**THREE WAY TAP**

|         |                          |
|---------|--------------------------|
| ITAP15W | 15mm Washing Machine Tap |
|---------|--------------------------|

**8MM DRAIN VALVE**

|         |                                 |
|---------|---------------------------------|
| ITAP8DV | 8MM ITAP ADJUSTABLE DRAIN VALVE |
|---------|---------------------------------|

**MACFLO® MICRO ISOLATING VALVE**

Nominal pressure 2 bar - 6 bar

Maximum pressure 8 bar

|       |                                    |
|-------|------------------------------------|
| MIV10 | 10mm Macflo® Micro Isolating Valve |
| MIV13 | 13mm Macflo® Micro Isolating Valve |
| MIV16 | 16mm Macflo® Micro Isolating Valve |
| MIV19 | 19mm Macflo® Micro Isolating Valve |
| MIV25 | 25mm Macflo® Micro Isolating Valve |



#### CISTERN TAPS

CODE DESCRIPTION

BBV15CTC 15mm Cistern Tap - Ceramic Seat



ITAP15CTA 15mm Cistern Tap Plus x1 400mm Long Flexi Hose



#### PLASTIC DRUM TAPS

PT20 20mm Drum Tap



#### DAIRY HEATER COCKS

A utility low pressure (60kPa) hot or cold water tap used principally in the New Zealand dairy industry. Made from cast brass.

DC Dairy Heater Cock

- Rugged, hard wearing
- Ability to be locked in the open position
- High volume flow
- Completely non-corrosive
- Instant 'on' 'off' lever operation
- 38mm MBSP inlet



#### DAIRY HEATER COCK SPARE PARTS

DCBS Dairy Cock Brass Seat  
DCBW Dairy Cock Brass Washer  
DCK Dairy Cock Knob  
DCL Dairy Cock Lever  
DHTW40 Dairy Cock Tap Washer 40mm  
DCP3 Dairy Cock Pin 3/16"  
DCP4 Dairy Cock Pin 1/4"  
DCS Dairy Cock Spring  
DCSC Dairy Cock Spindle Ass Complete  
DCVP Dairy Cock Valve Plate  
DCN Dairy Cock Nut  
DCFW Dairy Cock Fibre Washer  
DCNW40 Dairy Cock Nylon Washer  
DCPIN Dairy Cock Split Pin

**PVC SLIDE VALVE**

CODE DESCRIPTION

**MACFLO® PVC SLIDE VALVE**

Socket ends to fit PVC pipe.  
 Working pressure 0.35Mpa.  
 Storm water pipe

|        |   |
|--------|---|
| MSV090 | Macflo® 90mm PVC Slide Valve<br><b>90mm Macflo slide valve, fits 90mm stormwater</b>                |
| MSV100 | Macflo® 100mm PVC Slide valve<br><b>100mm Macflo slide valve, fits 100mm ID / 110 OD stormwater</b> |
| MSV150 | Macflo® 150mm PVC Slide Valve<br><b>150mm Macflo slide valve, fits 150mm ID / 160 OD stormwater</b> |



**PVC SLIDE VALVE**

|       |                       |
|-------|-----------------------|
| SV175 | 175mm PVC Slide Valve |
| SV225 | 225mm PVC Slide Valve |
| SV300 | 300mm PVC Slide Valve |



**PHILMAC ULTRA BRASS FULL FLOW - NO FLOATS INCLUDED**

1400 Kpa - 200 psi

| CODE      | DESCRIPTION                                      |
|-----------|--|
| PHBBC6910 | Philmac Ultra-Phil Brass Float Valve 10mm        |
| PHBBC15   | Philmac Ultra-Phil Brass Float Valve 15mm        |
| PHBBC6920 | Philmac Ultra-Phil Brass Float Valve 20mm        |
| PHBBC7220 | Philmac Ultra-Phil Brass Float Valve 20mm W/Cord |
| PHBBC6925 | Philmac Ultra-Phil Brass Float Valve 25mm        |
| PHBBC7225 | Philmac Ultra-Phil Brass Float Valve 25mm W/Cord |
| PHBBC32   | Philmac Ultra-Phil Brass Reservoir Valve 32mm    |
| PHBBC40   | Philmac Ultra-Phil Brass Reservoir Valve 40mm    |
| PHBBC50   | Philmac Ultra-Phil Brass Reservoir Valve 50mm    |

**Short Arm Float Valve**

|            |   |
|------------|---|
| PHBBC6920S | Philmac Ultra-Phil Brass Float Valve 20mm |
| PHBBC6925S | Philmac Ultra-Phil Brass Float Valve 25mm |

**PHILMAC VERSA FLOAT VALVE - NO FLOATS INCLUDED**

1200 Kpa - 174 psi

Flow Rate 295L/Per min @ 600kPa

|         |   |
|---------|---|
| PHPN69  | Philmac Versa-Phil 20x25mm Lever 300mm M/F Adapter        |
| PHPN72  | Philmac Versa-Phil 20x25mm Lever 300mm M/F Adapter W/Cord |
| PHPN69S | Philmac Versa-Phil 20x25mm Lever 165mm M/F Adapter        |
| PHPN72S | Philmac Versa-Phil 20x25mm Lever 165mm M/F Adapter W/Cord |

**Lever Arm 300mm**

|           |  |
|-----------|--|
| PHPN6920T | Philmac Versa-Phil Float Valve W/Tail 20mm |
| PHPN6925T | Philmac Versa-Phil Float Valve W/Tail 25MM |

**Lever Arm 165mm**

|            |  |
|------------|--|
| PHPN6920TS | Philmac Versa-Phil Float Valve W/Tail 20mm |
| PHPN6925TS | Philmac Versa-Phil Float Valve W/Tail 25mm |

**PHILMAC STOCK TROUGH VALVE**

Full flow, polypropylene body, float included

Maximum pressure 45 psi (690 KPa)

|        |                                     |
|--------|-------------------------------------|
| AQ400P | Philmac Stock-Phil Float Valve 20mm |
| AQ500P | Philmac Stock-Phil Float Valve 20mm |
| AQ600P | Philmac Stock-Phil Float Valve 20mm |
| AQ900  | Philmac Float & Polytube for AQ600P |

|          |                           |
|----------|---------------------------|
| AQS20/25 | Seals for AQ400P & AQ500P |
|----------|---------------------------|

**PHILMAC COMPACT TROUGH VALVE WITH HIGH DEMAND**

MAX FLOW 847L/Min

WORKING PRESSURE -10 / 1200KPA

|        |  |
|--------|--|
| PHOPAW | PHILMAC OPTIPHIL ABOVE WATER 20MM - 25MM FLOAT VALVE |
| PHOPUW | PHILMAC OPTIPHIL UNDER WATER 20MM - 25MM FLOAT VALVE |



The connection you can trust.



ABOVE WATER

UNDER WATER



The connection you can trust.

**PHILMAC RANGE OF BALLFLOATS**

|          |   |
|----------|---|
| PHBF80   | Philmac 80mm Black Ballfloat 3/8" Whit.   |
| PHBF80W  | Philmac 80mm White Ballfloat (Hot Water)  |
| PHBF100  | Philmac 80mm Black Ballfloat 3/8" Whit.   |
| PHBF100W | Philmac 100mm White Ballfloat (Hot Water) |
| PHBF140  | Philmac 140mm Black Ballfloat 5 1/2"      |
| PHBF150  | Philmac 150mm Black Ballfloat 5/16" Whit. |
| PHBF200  | Philmac 200mm Black Ballfloat 3/8" whit   |
| PHBF200S | Philmac 200mm Orange Ballfloat 1/2" whit  |
| PHBF225  | Philmac 225mm Orange Ballfloat 1/2" Whit. |

|         |                                      |
|---------|--------------------------------------|
| BFC115  | 115mm Copper Ballfloat MAX TEMP 60°C |
| BFC150  | 150mm Copper Ballfloat MAX TEMP 60°C |
| BFC115H | 115mm Copper Ballfloat MAX TEMP 95°C |
| BFC150H | 150mm Copper Ballfloat MAX TEMP 95°C |

|            |                                   |
|------------|-----------------------------------|
| PHBFCAP38  | PHILMAC FLOAT CAP BLACK 3/8" WHIT |
| PHBFC516   | PHILMAC FLOAT CAP 5/16" BLACK     |
| PHBF225CAP | FLOAT CAP ORANGE 1/2" WHIT        |



**PHILMAC RANGE OF FLOAT VALVE PARTS**

|           |   |
|-----------|---|
| PHILARM20 | PHILMAC BRASS BALLCOCK ARM FOR 20MM       |
| PHILARM25 | PHILMAC BRASS BALLCOCK ARM FOR 25MM       |
| PHBBC32A  | 355mm ARM FOR THE PHBBC32 RESERVOIR VALVE |
| PHBBC40A  | 405mm ARM FOR THE PHBBC40 RESERVOIR VALVE |
| PHBBC50A  | 455mm ARM FOR THE PHBBC50 RESERVOIR VALVE |

|           |   |
|-----------|---|
| PHPI      | PHILMAC BRASS PIVOT PIN                   |
| PHILPIN20 | PIVOT PIN FOR PHILMAC 20mm BRASS BALLCOCK |
| PHILPIN25 | PIVOT PIN FOR PHILMAC 25mm BRASS BALLCOCK |
| PHILPIN32 | PIVOT PIN FOR PHILMAC 32mm BRASS BALLCOCK |
| PHILPIN40 | PIVOT PIN FOR PHILMAC 40mm BRASS BALLCOCK |
| PHPL      | PHILMAC BALLCOCK PIVOT PIN 2" BRASS       |

|            |                              |
|------------|------------------------------|
| PHILWASH   | PHILMAC BALLCOCK SEAT WASHER |
| PHILWASH32 | PHILMAC WASHER FOR PHBBC32   |
| PHILWASH40 | PHILMAC WASHER FOR PHBBC40   |
| PHILWASH50 | PHILMAC WASHER FOR PHBBC50   |

|              |   |
|--------------|---|
| PHBBC20W     | PISTON WASHER FOR 20MM PHILMAC BRASS BALLOCK          |
| PHILPLUN     | PLUNGER FOR 20MM PHILMAC BRASS BALLCOCK               |
| PHBBC6920PSW | PLUNGER WITH SEAT WASHER FOR PHBBC6920                |
| PHSK         | Philmac Service Kit (plunger, cap and washer)         |
| PHBBC6920P   | PHILMAC ULTRAPHIL 20MM BRASS PLUNGER WITH SEAT WASHER |
| PHBBC6925P   | PHILMAC ULTRAPHIL 25MM BRASS PLUNGER WITH SEAT WASHER |

|          |                                      |
|----------|--------------------------------------|
| PHPN69A  | Philmac Versa-Phil Lever Arm 300mm   |
| PHPN69AD | PHILMAC VERSA-PHIL 25MM 20MM ADAPTER |
| PHPN69SA | Philmac Versa-Phil Lever Arm 165mm   |
| PHPN69P  | Versa-Phil Pivot Pin                 |
| PHPN69W  | Versa-Phil Seat washer               |
| PHPN69SK | Versa-Phil Service kit               |
| PHPN69TD | 25 / 20MM ADAPTOR PHPN69TS           |

|          |  |
|----------|--|
| PFCA     | PHILMAC Float Cord Attachment          |
| PHBTA    | Philmac adapter for 200mm ballfloats   |
| PHBF1/2W | PHILMAC BALLFLOAT ADAPTER 1/2" ADAPTER |



**BALLCOCKS**

**MACFLO BRASS FULL FLOW - NO FLOATS INCLUDED**

1000 Kpa - 150 psi

| CODE    | DESCRIPTION                                    |
|---------|--|
| BBC6920 | Macflo Brass Float Valve Full Flow 20mm        |
| BBC7220 | Macflo Brass Float Valve Full Flow W/Cord 20mm |
| BBC6925 | Macflo Brass Float Valve Full Flow 25mm        |
| BBC7225 | Macflo Brass Float Valve Full Flow W/Cord 25mm |



|          |   |
|----------|---|
| BBC6920S | Macflo Brass Float Valve Full Flow 20mm S/Arm |
| BBC6925S | Macflo Brass Float Valve Full Flow 25mm S/Arm |

**BRASS HI LO - STAINLESS STEEL SEAT - NO FLOATS INCLUDED**

|        |   |
|--------|---|
| 22015  | Macflo Hi/Lo Brass Float Valve 15mm           |
| 22515  | Macflo Hi/Lo Brass Float Valve W/Cord 15mm    |
| 22020  | Macflo Hi/Lo Brass Float Valve 20mm           |
| 22520  | Macflo Hi/Lo Brass Float Valve W/Cord 20mm    |
| 22020S | Macflo Hi/Lo Short Arm Brass Float Valve 20mm |



**BALLFLOATS**

|        |                                     |
|--------|-------------------------------------|
| BFB115 | 115mm Black Ballfloat               |
| BFO115 | 115mm Orange Ballfloat              |
| BFB150 | 150mm Black Ballfloat               |
| BFO150 | 150mm Orange Ballfloat              |
| SFB150 | 316 Stainless Steel 150mm Ballfloat |



**FLOAT VALVE SPARE PARTS**

|        |   |
|--------|---|
| BA69   | Full Flow Threaded Arm                    |
| BA72   | Full Flow Threaded Arm with Cord          |
| BA69S  | Full Flow Threaded Arm Short Arm          |
| BA72S  | Full Flow Threaded Arm Short Arm C/W Cord |
| BA220  | Hi Lo Threaded Arm                        |
| BA225  | Hi Lo Threaded Arm with Cord              |
| BA220S | Hi Lo Threaded Short Arm                  |
| BA225S | Hi Lo Threaded Short Arm C/W Cord         |



|        |   |
|--------|---|
| PCN    | Cord with M/F Plastic Nipples           |
| CP     | Brass Cotter Pin                        |
| SCP    | Stainless cotter pin                    |
| HILOBP | 15mm Hi Lo Float Valve Brass Plunger    |
| VSW15  | 15mm Hi Lo Float Valve Washer           |
| VSW20  | 20mm Hi Lo Float Valve Washer           |
| FFBP   | FULL FLOW BRASS PLUNGER                 |
| FFPP   | Full Flow Float Valve Plastic Plunger   |
| FFVSW  | Full flow Float Valve washer            |
| OR     | Full flow Float Valve Plunger O Ring    |
| HILON  | NIPPLE FOR HILO 15/20MM BALLCOCK        |
| BWRC   | Full flow ballcock washer retaining cap |
| SCP    | Stainless Steel Cotter Pin              |



CODE DESCRIPTION

**PHILMAC FLOAT VALVE RIG**

PFVR Philmac Float Valve Rig  
 Philmac Foot Valves and floats to be purchased seperatley



**RESERVOIR VALVES**

Complete with two 150mm floats and twin float adaptor  
 Working pressure: 1 float 0-550 KpA - 80 Psi  
 2 floats 0-850 KpA - 150 Psi

AP32 Apex Single Arm Reservoir Valve 32mm  
 AP40 Apex Single Arm Reservoir Valve 40mm  
 AP50 Apex Single Arm Reservoir Valve 50mm



APRK APEX RESERVOIR VALVE REPAIR KIT

**TWIN FLOAT CONNECTOR**

APDA APEX RESERVOIR DUAL FLOAT ADAPTOR



**DUAL LEVEL RESERVOIR VALVE**

Adjustable to allow fall in water level between 65mm and 270mm before opening  
 Working pressure: 0-700 KpA - 100 Psi

AP32D Apex Dual Arm Reservoir Valve 32mm  
 AP40D Apex Dual Arm Reservoir Valve 40mm  
 AP50D Apex Dual Arm Reservoir Valve 50mm



APRKD APEX RESERVOIR VALVE REPAIR KIT DUAL

**TANK LEVEL INDICATOR**

Orange ball floats  
 Stainless steel rod

MWLI Water tank level indicator (Visiball)



MWLIEXT 1m Extension tube for water tank level indicator



**TWIN FLOAT CONNECTOR**

APDA APEX RESERVOIR DUAL FLOAT ADAPTOR



## RESERVOIR VALVES

CODE DESCRIPTION

### STAINLESS STEEL BALLCOCK WITH SS FLOAT

SSBC6920 20mm Stainless Steel Ballcock with SS float  
SSBC6925 25mm Stainless Steel Ballcock with SS float



### 316 STAINLESS STEEL COCKY BALLCOCK

CFVB020 20mm Cocky float valve body  
CFVB025 25mm Cocky float valve body  
CFVB032 32mm Cocky float valve body  
CFVB040 40mm Cocky float valve body  
CFVB050 50mm Cocky float valve body



CFVA400 400mm Arm for Cocky vlave  
CFVF150 150mm Plastic Float for Cocky valve  
CFVF200 200mm Plastic Float for Cocky valve  
CFVAM10516 Cocky valve adapter M10 - 5/16" BSW  
CFVC300M10 300mm chain for cocky valve M10 nipple  
CFVSP Set split pins for CFVB020/025 (Body)  
CFVW Washer for CFVB020/025 (Body)  
CFVWS Washer seat for CFVB020/025 (Body)  
CFVFS200 Cocky valve s/steel 200mm float  
CFVDCS COCKY DEFLECTOR GUARDS FOR 20MM & 25MM  
CFVDCM COCKY DEFLECTOR GUARDS FOR 32MM & 40MM  
CFVDCL COCKY DEFLECTOR GUARDS FOR 50MM  
CFVWEDPM EDPM WASHER FOR CFVB020/025



### COCKY VALVE ULTI FLO™

316 stainless steel

Seals at 900 Kpa (30psi)

Across the entire range delivering 4 litres per second at just 200kPa (30 psi)

But able to shut off at up to 900Kpa (130 psi).

CVUF020 20mm Cocky valve ulti flo  
CVUF025 25mm Cocky valve ulti flo  
CVUF032 32mm Cocky valve ulti flo  
CVUF040 40mm Cocky valve ulti flo  
CVUF050 50mm Cocky valve ulti flo





## TANK FITTINGS

CODE DESCRIPTION

### MACFLO PVC TANK FITTINGS

Suitable for irrigation, potable water supply, chemical installations, water treatment swimming pools, foodstuff industries

Pressure Rating 16BAR

Parallel BSP thread

All sizes except 15mm c/w rubber and stainless steel washers

15mm size - rubber washers only

### MACFLO PVC TANK FITTING

|            |                                |
|------------|--------------------------------|
| MVTF025150 | 25mm PVC tank fitting x 150mm  |
| MVTF025300 | 25mm PVC tank fitting x 300mm  |
| MVTF032100 | 32mm PVC tank fitting x 100mm  |
| MVTF032150 | 32mm PVC tank fitting x 150mm  |
| MVTF032300 | 32mm PVC tank fitting x 300mm  |
| MVTF040100 | 40mm PVC tank fitting x 100mm  |
| MVTF040150 | 40mm PVC tank fitting x 150mm  |
| MVTF040300 | 40mm PVC tank fitting x 300mm  |
| MVTF050100 | 50mm PVC tank fitting x 100mm  |
| MVTF050150 | 50mm PVC tank fitting x 150mm  |
| MVTF050300 | 50mm PVC tank fitting x 300mm  |
| MVTF065150 | 65mm PVC tank fitting x 150mm  |
| MVTF065300 | 65mm PVC tank fitting x 300mm  |
| MVTF080150 | 80mm PVC tank fitting x 150mm  |
| MVTF080300 | 80mm PVC tank fitting x 300mm  |
| MVTF100150 | 100mm PVC tank fitting x 150mm |
| MVTF100300 | 100mm PVC tank fitting x 300mm |



### MACFLO PVC BARREL NIPPLES

|            |                          |
|------------|--------------------------|
| MVNI025150 | 25mm PVC nipple x 150mm  |
| MVNI025300 | 25mm PVC nipple x 300mm  |
| MVNI032100 | 32mm PVC nipple x 100mm  |
| MVNI032150 | 32mm PVC nipple x 150mm  |
| MVNI032300 | 32mm PVC nipple x 300mm  |
| MVNI040100 | 40mm PVC nipple x 100mm  |
| MVNI040150 | 40mm PVC nipple x 150mm  |
| MVNI040300 | 40mm PVC nipple x 300mm  |
| MVNI050100 | 50mm PVC nipple x 100mm  |
| MVNI050150 | 50mm PVC nipple x 150mm  |
| MVNI050300 | 50mm PVC nipple x 300mm  |
| MVNI065150 | 65mm PVC nipple x 150mm  |
| MVNI065300 | 65mm PVC nipple x 300mm  |
| MVNI080150 | 80mm PVC nipple x 150mm  |
| MVNI080300 | 80mm PVC nipple x 300mm  |
| MVNI100150 | 100mm PVC nipple x 150mm |
| MVNI100300 | 100mm PVC nipple x 300mm |



### MACFLO PVC BACKNUT

|         |                   |
|---------|-------------------|
| MVNU020 | 20mm PVC backnut  |
| MVNU025 | 25mm PVC backnut  |
| MVNU032 | 32mm PVC backnut  |
| MVNU040 | 40mm PVC backnut  |
| MVNU050 | 50mm PVC backnut  |
| MVNU065 | 65mm PVC backnut  |
| MVNU080 | 80mm PVC backnut  |
| MVNU100 | 100mm PVC backnut |



**BSP THREADED FITTINGS AND TANK NIPPLES**

CODE DESCRIPTION

**BSP THREADED FITTINGS**

Available in either black or white

|       |                               |
|-------|-------------------------------|
| RXT15 | 15mm tank fitting c/w backnut |
| RXT20 | 20mm tank fitting c/w backnut |
| RXT25 | 25mm tank fitting c/w backnut |
| RXT32 | 32mm tank fitting c/w backnut |
| RXT40 | 40mm tank fitting c/w backnut |
| RXT50 | 50mm tank fitting c/w backnut |



**TANK FITTINGS**

|       |                               |
|-------|-------------------------------|
| MTF15 | 15mm m/f Macflo® tank fitting |
| MTF20 | 20mm m/f Macflo® tank fitting |
| MTF25 | 25mm m/f Macflo® tank fitting |
| MTF32 | 32mm m/f Macflo® tank fitting |
| MTF40 | 40mm m/f Macflo® tank fitting |



|       |                       |
|-------|-----------------------|
| PTF15 | 15mm m/f tank fitting |
| PTF20 | 20mm m/f tank fitting |
| PTF25 | 25mm m/f tank fitting |
| PTF32 | 32mm m/f tank fitting |
| PTF40 | 40mm m/f tank fitting |
| PTF50 | 50mm m/f tank fitting |



**ANKA TANK FITTINGS**

|        |                               |
|--------|-------------------------------|
| ATF20F | 20mm Female Anka Tank Fitting |
| ATF25F | 25mm Female Anka Tank Fitting |



|        |                             |
|--------|-----------------------------|
| ATF20M | 20mm Male Anka Tank Fitting |
| ATF25M | 25mm Male Anka Tank Fitting |

|        |                               |
|--------|-------------------------------|
| ATFB20 | 20mm Anka Barbed Tank Fitting |
| ATFB25 | 25mm Anka Barbed Tank Fitting |



**TANK NIPPLES**

Suitable for concrete tanks

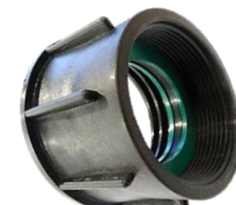
Complete with: 2 x seal washer  
 2 x stainless steel washers. Bronze from 65mm up  
 2 x heavy-duty bronze backnuts

|        |                                   |
|--------|-----------------------------------|
| BTN20  | 20mm stainless steel tank nipple  |
| BTN25  | 25mm stainless steel tank nipple  |
| BTN32  | 32mm stainless steel tank nipple  |
| BTN40  | 40mm stainless steel tank nipple  |
| BTN50  | 50mm stainless steel tank nipple  |
| BTN65  | 65mm bronze tank nipple           |
| BTN80  | 80mm stainless steel tank nipple  |
| BTN100 | 100mm stainless steel tank nipple |



**PVC ADAPTOR**

|         |                                |
|---------|--------------------------------|
| IBC50F  | 50mm IBC 2" BSP female adaptor |
| IBC50FS | SEAL FOR IBC ADAPTOR           |



## FILTERS

| CODE                                 | DESCRIPTION                           |
|--------------------------------------|---------------------------------------|
| <b>POLYPROPYLENE IN LINE FILTERS</b> |                                       |
| PF20030S                             | ¾" filter with 30 mesh s/s screen     |
| PF20050S                             | ¾" filter with 50 mesh s/s screen     |
| PF20100S                             | ¾" filter with 100 mesh s/s screen    |
| PF20120S                             | ¾" filter with 120 mesh s/s screen    |
| PF25030S                             | 1" filter with 30 mesh s/s screen     |
| PF25050S                             | 1" filter with 50 mesh s/s screen     |
| PF25100S                             | 1" filter with 100 mesh s/s screen    |
| PF25120S                             | 1" filter with 120 mesh s/s screen    |
| PF32020S                             | 1" ¼" filter with 20 mesh s/s screen  |
| PF32030S                             | 1" ¼" filter with 30 mesh s/s screen  |
| PF32050S                             | 1" ¼" filter with 50 mesh s/s screen  |
| PF32100S                             | 1" ¼" filter with 100 mesh s/s screen |
| PF32120S                             | 1" ¼" filter with 120 mesh s/s screen |
| PF40030S                             | 1" ½" filter with 30 mesh s/s screen  |
| PF40050S                             | 1" ½" filter with 50 mesh s/s screen  |
| PF40100S                             | 1" ½" filter with 100 mesh s/s screen |
| PF40120S                             | 1" ½" filter with 120 mesh s/s screen |
| PF50030S                             | 2" filter with 30 mesh s/s screen     |
| PF50050S                             | 2" filter with 50 mesh s/s screen     |
| PF50100P                             | 2" filter with 100 mesh poly screen   |
| PF50100S                             | 2" filter with 100 mesh s/s screen    |
| PF50120S                             | 2" filter with 120 mesh s/s screen    |
| PF80120P                             | 3" filter with 120 mesh poly screen   |
| FDV                                  | FILTER DRAIN VALVE 1/2" X 1/2" BSP    |



**FILTER DRAIN VALVES NEED TO BE ORDERED SEPERATLEY**

**FILTER DRAIN VALES NOT SOLD WITH FILTERS**

### PHILMAC IN LINE FILTERS

Hose tail connections - OTHER MESH SIZES AVAILABLE - PLEASE ENQUIRE

|       |                              |
|-------|------------------------------|
| MIF13 | 13 mm Macflo® in line filter |
| MIF16 | 16 mm Macflo® in line filter |
| MIF19 | 19 mm Macflo® in line filter |
| MIF25 | 25 mm Macflo® in line filter |



**DISC FILTERS, REPLACEMENT SCREENS**

**REPLACEMENT SCREENS**

CODE DESCRIPTION

**STAINLESS MESH**

PFS20/25030S 20/25MM 30 MESH S/S FILTER SCREEN  
 PFS20/25050S 20/25MM 50 MESH S/S FILTER SCREEN  
 PFS20/25100S 20/25MM 100 MESH S/S FILTER SCREEN  
 PFS20/25120S 20/25MM 120 MESH S/S FILTER SCREEN  
 PFS32020S 32MM 20 MESH S/S FILTER SCREEN  
 PFS32030S 32MM 30 MESH S/S FILTER SCREEN  
 PFS32050S 32MM 50 MESH S/S FILTER SCREEN  
 PFS32100S 32MM 100 MESH S/S FILTER SCREEN  
 PFS32120S 32MM 120 MESH S/S FILTER SCREEN  
 PFS40/50030S 40/50MM 30 MESH S/S FILTER SCREEN  
 PFS40/50050S 40/50MM 50 MESH S/S FILTER SCREEN  
 PFS40/50100S 40/50MM 100 MESH S/S FILTER SCREEN  
 PFS40/50120S 40/50MM 120 MESH S/S FILTER SCREEN

PFS80120 80MM 120 MESH POLY FILTER SOCK

**POLY MESH**

PFS20/25030P 20/25MM 30 MESH POLY FILTER SCREEN  
 PFS20/25155P 20/25MM 155 MESH POLY FILTER SCREEN  
 PFS20/25200P 20/25MM 200 MESH POLY FILTER SCREEN  
 PFS32030P 32MM 30 MESH POLY FILTER SCREEN  
 PFS32050P 32MM 50 MESH POLY FILTER SCREEN  
 PFS32100P 32MM 100 MESH POLY FILTER SCREEN  
 PFS40/50100P 40/50MM 100 MESH POLY FILTER SCREEN



**Micron is the hole diameter measured in microns  
 (1000 microns = 1mm)  
 Mesh is the number of holes per linear inch**

| <b>Mesh</b>   | <b>30</b>    | <b>50</b>   | <b>100</b>        | <b>120</b>  |
|---------------|--------------|-------------|-------------------|-------------|
| <b>Micron</b> | <b>500</b>   | <b>300</b>  | <b>160</b>        | <b>130</b>  |
| <b>mm</b>     | <b>0.50</b>  | <b>0.30</b> | <b>0.16</b>       | <b>0.13</b> |
| <b>Colour</b> | <b>Green</b> | <b>Blue</b> | <b>Light Blue</b> | <b>Red</b>  |

**BRASS Y FILTERS WITH REPLACEMENT SCREENS.**

Body in brass.  
 Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.  
 Maximum working pressure 20 Bar

| CODE | DESCRIPTION        |
|------|--------------------|
| YF15 | 15mm Itap Y Filter |
| YF20 | 20mm Itap Y Filter |
| YF25 | 25mm Itap Y Filter |
| YF32 | 32mm Itap Y Filter |
| YF40 | 40mm Itap Y Filter |
| YF50 | 50mm Itap Y Filter |



Body in nickel-plated brass.  
 Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.  
 Maximum working pressure 20 Bar

|       |                                  |
|-------|----------------------------------|
| YF32N | 32mm Itap Y Filter Nickel Plated |
| YF50N | 50mm Itap Y Filter Nickel Plated |



**Y FILTER SCREENS**

|       |                               |
|-------|-------------------------------|
| YF20S | 20mm Itap Screen for Y Filter |
| YF25S | 25mm Itap Screen for Y Filter |
| YF32S | 32mm Itap Screen for Y Filter |
| YF40S | 40mm Itap Screen for Y Filter |
| YF50S | 50mm Itap Screen for Y Filter |





### CAMLOCKS

Standard C and E type camlocks with hose tails to fit 110mm, 90mm, 75mm and 63mm OD MDPE pipe

| CODE       | DESCRIPTION                              |
|------------|--|
| CAM5057C   | 50MM CAMLOCK X 57MM OD HOSE COUPLER      |
| CAM5057E   | 50MM CAMLOCK X 57MM OD HOSE ADAPTER      |
| CAM5063C   | 50MM CAMLOCK X 63MM OD HOSE COUPLER      |
| CAM5063E   | 50MM CAMLOCK X 63MM OD HOSE TAIL ADAPTER |
| CAM6563C   | 65MM CAMLOCK X 63MM SIZE OD TAIL C       |
| CAM6563E   | 65MM CAMLOCK X 63MM OD SIZE TAIL E       |
| CAM6575C   | 65MM CAMLOCK X 75MM OD SIZE TAIL C       |
| CAM6575E   | 65MM CAMLOCK X 75MM OD SIZE TAIL E       |
| CAM8063C   | 80MM CAMLOCK X 63MM OD SIZE TAIL C       |
| CAM8063E   | 80MM CAMLOCK X 63MM OD SIZE TAIL E       |
| CAM8075C   | 80MM CAMLOCK X 75MM OD SIZE TAIL C       |
| CAM8075E   | 80MM CAMLOCK X 75MM OD SIZE TAIL E       |
| CAM8090C   | 80MM CAMLOCK X 90MM OD SIZE TAIL C       |
| CAM8090E   | 80MM CAMLOCK X 90MM OD SIZE TAIL E       |
| CAM100110C | 100MM CAMLOCK C X 110MM PIPE TAIL        |
| CAM100110E | 100MM CAMLOCK E X 110MM OD PIPE          |

Hose Tail Coupler  
C Type



Hose Tail Adapter  
E Type



### STRAIGHT AND REDUCING STRAIGHT CONNECTORS

|            |                                    |
|------------|------------------------------------|
| CAM5050S   | 50MM CAMLOCK HOSE JOINER           |
| CAM6363S   | 63MM OD SIZE CONNECTOR             |
| CAM7563S   | 75MM X 63MM OD SIZE CONNECTOR      |
| CAM7575S   | 75MM OD SIZE PIPE CONNECTOR        |
| CAM9063S   | 90MM X 63MM OD SIZE PIPE CONNECTOR |
| CAM9075S   | 90MM X 75MM OD SIZE PIPE CONNECTOR |
| CAM9090S   | 90MM OD SIZE PIPE CONNECTOR        |
| CAM110110S | 110MM OD PIPE SIZE CONNECTOR       |



### CAMLOCK ARMS & PINS

#### GOOD FOR AGRICULTURAL CAMLOCKS

|       |                                     |
|-------|-------------------------------------|
| CAMLM | CAMLOCK ARM FITS SIZES 32MM - 65MM  |
| CAMLL | CAMLOCK ARM FITS SIZES 80MM - 100MM |
| CAMPM | CAMLOCK PIN FITS SIZES 32MM - 65MM  |
| CAMPL | CAMLOCK PIN FITS SIZES 80MM - 100MM |



#### GOOD FOR ALUMINIUM, POLY & STAINLESS STEEL CAMLOCKS

|                  |                                       |
|------------------|---------------------------------------|
| CAMLB15/20       | CAMLOCK BRASS LEVER FITS 15/20MM      |
| CAMLB25          | CAMLOCK BRASS LEVER FIT 25MM          |
| CAMLB32/40/50/65 | CAMLOCK BRASS LEVER FIT 32/40/50/65MM |
| CAMLB80/100      | CAMLOCK BRASS LEVER FIT 80/100MM      |



### CAMLOCK GASKET /SEAL

|         |                    |
|---------|--------------------|
| CAM15S  | 15MM CAMLOCK SEAL  |
| CAM20S  | 20MM CAMLOCK SEAL  |
| CAM25S  | 25MM CAMLOCK SEAL  |
| CAM32S  | 32MM CAMLOCK SEAL  |
| CAM40S  | 40MM CAMLOCK SEAL  |
| CAM50S  | 50MM CAMLOCK SEAL  |
| CAM65S  | 65MM CAMLOCK SEAL  |
| CAM80S  | 80MM CAMLOCK SEAL  |
| CAM100S | 100MM CAMLOCK SEAL |



**ALUMINIUM CAMLOCK COUPLINGS**

| CODE     | DESCRIPTION                  |
|----------|------------------------------|
| CAM15AT  | 15MM AL CAMLOCK A - THRIFTY  |
| CAM20AT  | 20MM AL CAMLOCK A - THRIFTY  |
| CAM25AT  | 25MM AL CAMLOCK A - THRIFTY  |
| CAM32AT  | 32MM AL CAMLOCK A - THRIFTY  |
| CAM40AT  | 40MM AL CAMLOCK A - THRIFTY  |
| CAM50AT  | 50MM AL CAMLOCK A - THRIFTY  |
| CAM65AT  | 65MM AL CAMLOCK A - THRIFTY  |
| CAM80AT  | 80MM AL CAMLOCK A - THRIFTY  |
| CAM100AT | 100MM AL CAMLOCK A - THRIFTY |
| CAM15BT  | 15MM AL CAMLOCK B - THRIFTY  |
| CAM20BT  | 20MM AL CAMLOCK B - THRIFTY  |
| CAM25BT  | 25MM AL CAMLOCK B - THRIFTY  |
| CAM32BT  | 32MM AL CAMLOCK B - THRIFTY  |
| CAM40BT  | 40MM AL CAMLOCK B - THRIFTY  |
| CAM50BT  | 50MM AL CAMLOCK B - THRIFTY  |
| CAM65BT  | 65MM AL CAMLOCK B - THRIFTY  |
| CAM80BT  | 80MM AL CAMLOCK B - THRIFTY  |
| CAM100BT | 100MM AL CAMLOCK B - THRIFTY |
| CAM15CT  | 15MM AL CAMLOCK C - THRIFTY  |
| CAM20CT  | 20MM AL CAMLOCK C - THRIFTY  |
| CAM25CT  | 25MM AL CAMLOCK C - THRIFTY  |
| CAM32CT  | 32MM AL CAMLOCK C - THRIFTY  |
| CAM40CT  | 40MM AL CAMLOCK C - THRIFTY  |
| CAM50CT  | 50MM AL CAMLOCK C - THRIFTY  |
| CAM65CT  | 65MM AL CAMLOCK C - THRIFTY  |
| CAM80CT  | 80MM AL CAMLOCK C - THRIFTY  |
| CAM100CT | 100MM AL CAMLOCK C - THRIFTY |
| CAM15DT  | 15MM AL CAMLOCK D - THRIFTY  |
| CAM20DT  | 20MM AL CAMLOCK D - THRIFTY  |
| CAM25DT  | 25MM AL CAMLOCK D - THRIFTY  |
| CAM32DT  | 32MM AL CAMLOCK D - THRIFTY  |
| CAM40DT  | 40MM AL CAMLOCK D - THRIFTY  |
| CAM50DT  | 50MM AL CAMLOCK D - THRIFTY  |
| CAM65DT  | 65MM AL CAMLOCK D - THRIFTY  |
| CAM80DT  | 80MM AL CAMLOCK D - THRIFTY  |
| CAM100DT | 100MM AL CAMLOCK D - THRIFTY |
| CAM15ET  | 15MM AL CAMLOCK E - THRIFTY  |
| CAM20ET  | 20MM AL CAMLOCK E - THRIFTY  |
| CAM25ET  | 25MM AL CAMLOCK E - THRIFTY  |
| CAM32ET  | 32MM AL CAMLOCK E - THRIFTY  |
| CAM40ET  | 40MM AL CAMLOCK E - THRIFTY  |
| CAM50ET  | 50MM AL CAMLOCK E - THRIFTY  |
| CAM65ET  | 65MM AL CAMLOCK E - THRIFTY  |
| CAM80ET  | 80MM AL CAMLOCK E - THRIFTY  |
| CAM100ET | 100MM AL CAMLOCK E - THRIFTY |
| CAM15FT  | 15MM AL CAMLOCK F - THRIFTY  |
| CAM20FT  | 20MM AL CAMLOCK F - THRIFTY  |
| CAM25FT  | 25MM AL CAMLOCK F - THRIFTY  |
| CAM32FT  | 32MM AL CAMLOCK F - THRIFTY  |
| CAM40FT  | 40MM AL CAMLOCK F - THRIFTY  |
| CAM50FT  | 50MM AL CAMLOCK F - THRIFTY  |
| CAM65FT  | 65MM AL CAMLOCK F - THRIFTY  |
| CAM80FT  | 80MM AL CAMLOCK F - THRIFTY  |
| CAM100FT | 100MM AL CAMLOCK F - THRIFTY |



| CODE      | DESCRIPTION                        |
|-----------|------------------------------------|
| CAM15DCT  | 15MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM20DCT  | 20MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM25DCT  | 25MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM32DCT  | 32MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM40DCT  | 40MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM50DCT  | 50MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM65DCT  | 65MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM80DCT  | 80MM AL CAMLOCK DUST CAP - THRIFTY |
| CAM100DCT | 100MM AL CAMLOCK DUST CAP -THRIFTY |



|           |                                      |
|-----------|--------------------------------------|
| CAM15DPT  | 15MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM20DPT  | 20MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM25DPT  | 25MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM32DPT  | 32MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM40DPT  | 40MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM50DPT  | 50MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM65DPT  | 65MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM80DPT  | 80MM AL CAMLOCK DUST PLUG - THRIFTY  |
| CAM100DPT | 100MM AL CAMLOCK DUST PLUG - THRIFTY |



#### POLYPROPYLENE CAMLOCK COUPLINGS

| CODE     | DESCRIPTION                        |
|----------|------------------------------------|
| CAM15AP  | 15MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM20AP  | 20MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM25AP  | 25MM POLY CAMLOCK FEMALE ADAPTER   |
| CAM32AP  | 32MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM40AP  | 40MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM50AP  | 50MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM65AP  | 65MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM80AP  | 80MM POLY CAMLOCK FEM BSP ADAPTER  |
| CAM100AP | 100MM POLY CAMLOCK FEM BSP ADAPTER |



|          |                                    |
|----------|------------------------------------|
| CAM15BP  | 15MM POLY CAMLOCK MALE BSP COUPLER |
| CAM20BP  | 20MM POLY CAMLOCK MALE BSP COUPLER |
| CAM25BP  | 25MM POLY CAMLOCK MALE BSP COUPLER |
| CAM32BP  | 32MM POLY CAMLOCK MALE BSP COUPLER |
| CAM40BP  | 40MM POLY CAMLOCK MALE BSP COUPLER |
| CAM50BP  | 50MM POLY CAMLOCK MALE BSP COUPLER |
| CAM65BP  | 65MM POLY CAMLOCK MALE BSP COUPLER |
| CAM80BP  | 80MM POLY CAMLOCK MALE BSP COUPLER |
| CAM100BP | 100MM POLY CAM MALE THREAD COUPLER |



|          |                                      |
|----------|--------------------------------------|
| CAM15CP  | 15MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM20CP  | 20MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM25CP  | 25MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM32CP  | 32MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM40CP  | 40MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM50CP  | 50MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM65CP  | 65MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM80CP  | 80MM POLY CAMLOCK HOSE TAIL COUPLER  |
| CAM100CP | 100MM POLY CAMLOCK HOSE TAIL COUPLER |



| CODE      | DESCRIPTION                          |
|-----------|--------------------------------------|
| CAM15DP   | 15MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM20DP   | 20MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM25DP   | 25MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM32DP   | 32MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM40DP   | 40MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM50DP   | 50MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM65DP   | 65MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM80DP   | 80MM POLY CAMLOCK FEM BSP COUPLER    |
| CAM100DP  | 100MM POLY CAMLOCK FEM BSP COUPLER   |
|           |                                      |
| CAM15EP   | 15MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM20EP   | 20MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM25EP   | 25MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM32EP   | 32MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM40EP   | 40MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM50EP   | 50MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM65EP   | 65MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM80EP   | 80MM POLY CAMLOCK HOSE TAIL ADAPTER  |
| CAM100EP  | 100MM POLY CAMLOCK HOSE TAIL ADAPTER |
|           |                                      |
| CAM15FP   | 15MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM20FP   | 20MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM25FP   | 25MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM32FP   | 32MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM40FP   | 40MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM50FP   | 50MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM65FP   | 65MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM80FP   | 80MM POLY CAMLOCK MALE BSP ADAPTER   |
| CAM100FP  | 100MM POLY CAMLOCK MALE BSP ADAPTER  |
|           |                                      |
| CAM15DCP  | 15MM POLYPROP CAMLOCK DUST CAP       |
| CAM20DCP  | 20MM POLYPROP CAMLOCK DUST CAP       |
| CAM25DCP  | 25MM POLYPROP CAMLOCK DUST CAP       |
| CAM32DCP  | 32MM POLYPROP CAMLOCK DUST CAP       |
| CAM40DCP  | 40MM POLYPROP CAMLOCK DUST CAP       |
| CAM50DCP  | 50MM POLYPROP CAMLOCK DUST CAP       |
| CAM65DCP  | 65MM POLYPROP CAMLOCK DUST CAP       |
| CAM80DCP  | 80MM POLYPROP CAMLOCK DUST CAP       |
| CAM100DCP | 100MM POLYPROP CAMLOCK DUST CAP      |
|           |                                      |
| CAM15DPP  | 15MM POLYPROP CAMLOCK DUST PLUG      |
| CAM20DPP  | 20MM POLYPROP CAMLOCK DUST PLUG      |
| CAM25DPP  | 25MM POLYPROP CAMLOCK DUST PLUG      |
| CAM32DPP  | 32MM POLYPROP CAMLOCK DUST PLUG      |
| CAM40DPP  | 40MM POLYPROP CAMLOCK DUST PLUG      |
| CAM50DPP  | 50MM POLYPROP CAMLOCK DUST PLUG      |
| CAM65DPP  | 65MM POLYPROP CAMLOCK DUST PLUG      |
| CAM80DPP  | 80MM POLYPROP CAMLOCK DUST PLUG      |
| CAM100DPP | 100MM POLYPROP CAMLOCK DUST PLUG     |



**STAINLESS STEEL 316 CAMLOCK COUPLINGS**

| CODE     | DESCRIPTION                             |
|----------|---|
| CAM20AS  | 20MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM25AS  | 25MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM32AS  | 32MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM40AS  | 40MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM50AS  | 50MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM65AS  | 65MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM80AS  | 80MM S/S CAMLOCK FEMALE THREAD ADAPTER  |
| CAM100AS | 100MM S/S CAMLOCK FEMALE THREAD ADAPTER |
| CAM20BS  | 20MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM25BS  | 25MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM32BS  | 32MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM40BS  | 40MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM50BS  | 50MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM65BS  | 65MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM80BS  | 80MM S/S CAMLOCK MALE THREAD COUPLER    |
| CAM100BS | 100MM S/S CAMLOCK MALE THREAD COUPLER   |
| CAM20CS  | 20MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM25CS  | 25MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM32CS  | 32MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM40CS  | 40MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM50CS  | 50MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM65CS  | 65MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM80CS  | 80MM S/S CAMLOCK HOSE TAIL COUPLER      |
| CAM100CS | 100MM S/S CAMLOCK HOSE TAIL COUPLER     |
| CAM20DS  | 20MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM25DS  | 25MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM32DS  | 32MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM40DS  | 40MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM50DS  | 50MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM65DS  | 65MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM80DS  | 80MM S/S CAMLOCK FEMALE THREAD COUPLER  |
| CAM100DS | 100MM S/S CAMLOCK FEMALE THREAD COUPLER |
| CAM20ES  | 20MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM25ES  | 25MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM32ES  | 32MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM40ES  | 40MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM50ES  | 50MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM65ES  | 65MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM80ES  | 80MM S/S CAMLOCK HOSE TAIL ADAPTER      |
| CAM100ES | 100MM S/S CAMLOCK HOSE TAIL ADAPTER     |
| CAM20FS  | 20MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM25FS  | 25MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM32FS  | 32MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM40FS  | 40MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM50FS  | 50MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM65FS  | 65MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM80FS  | 80MM S/S CAMLOCK MALE THREAD ADAPTER    |
| CAM100FS | 100MM S/S CAMLOCK MALE THREAD ADAPTER   |



| CODE      | DESCRIPTION                 |
|-----------|-----------------------------|
| CAM20DCS  | 20MM S/S CAMLOCK DUST CAP   |
| CAM25DCS  | 25MM S/S CAMLOCK DUST CAP   |
| CAM32DCS  | 32MM S/S CAMLOCK DUST CAP   |
| CAM40DCS  | 40MM S/S CAMLOCK DUST CAP   |
| CAM50DCS  | 50MM S/S CAMLOCK DUST CAP   |
| CAM65DCS  | 65MM S/S CAMLOCK DUST CAP   |
| CAM80DCS  | 80MM S/S CAMLOCK DUST CAP   |
| CAM100DCS | 100MM S/S CAMLOCK DUST CAP  |
| CAM20DPS  | 20MM S/S CAMLOCK DUST PLUG  |
| CAM25DPS  | 25MM S/S CAMLOCK DUST PLUG  |
| CAM32DPS  | 32MM S/S CAMLOCK DUST PLUG  |
| CAM40DPS  | 40MM S/S CAMLOCK DUST PLUG  |
| CAM50DPS  | 50MM S/S CAMLOCK DUST PLUG  |
| CAM65DPS  | 65MM S/S CAMLOCK DUST PLUG  |
| CAM80DPS  | 80MM S/S CAMLOCK DUST PLUG  |
| CAM100DPS | 100MM S/S CAMLOCK DUST PLUG |



**AGRICULTURAL CAMLOCK COUPLINGS**

General Purpose Permanent Mould Gravity Cast (Made in New Zealand).

| CODE     | DESCRIPTION                    |
|----------|--------------------------------|
| CAM20AW  | 20MM AL CAMLOCK A - ALUMINIUM  |
| CAM25AW  | 25MM AL CAMLOCK A - ALUMINIUM  |
| CAM32AW  | 32MM AL CAMLOCK A - ALUMINIUM  |
| CAM40AW  | 40MM AL CAMLOCK A - ALUMINIUM  |
| CAM50AW  | 50MM AL CAMLOCK A - ALUMINIUM  |
| CAM65AW  | 65MM AL CAMLOCK A - ALUMINIUM  |
| CAM80AW  | 80MM AL CAMLOCK A - ALUMINIUM  |
| CAM100AW | 100MM AL CAMLOCK A - ALUMINIUM |
| CAM20BW  | 20MM AL CAMLOCK B - ALUMINIUM  |
| CAM25BW  | 25MM AL CAMLOCK B - ALUMINIUM  |
| CAM32BW  | 32MM AL CAMLOCK B - ALUMINIUM  |
| CAM40BW  | 40MM AL CAMLOCK B - ALUMINIUM  |
| CAM50BW  | 50MM AL CAMLOCK B - ALUMINIUM  |
| CAM65BW  | 65MM AL CAMLOCK B - ALUMINIUM  |
| CAM80BW  | 80MM AL CAMLOCK B - ALUMINIUM  |
| CAM100BW | 100MM AL CAMLOCK B - ALUMINIUM |
| CAM20CW  | 20MM AL CAMLOCK C - ALUMINIUM  |
| CAM25CW  | 25MM AL CAMLOCK C - ALUMINIUM  |
| CAM32CW  | 32MM AL CAMLOCK C - ALUMINIUM  |
| CAM40CW  | 40MM AL CAMLOCK C - ALUMINIUM  |
| CAM50CW  | 50MM AL CAMLOCK C - ALUMINIUM  |
| CAM65CW  | 65MM AL CAMLOCK C - ALUMINIUM  |
| CAM80CW  | 80MM AL CAMLOCK C - ALUMINIUM  |
| CAM100CW | 100MM AL CAMLOCK C - ALUMINIUM |



| CODE      | DESCRIPTION                            |
|-----------|--|
| CAM20DW   | 20MM AL CAMLOCK D - ALUMINIUM          |
| CAM25DW   | 25MM AL CAMLOCK D - ALUMINIUM          |
| CAM32DW   | 32MM AL CAMLOCK D - ALUMINIUM          |
| CAM40DW   | 40MM AL CAMLOCK D - ALUMINIUM          |
| CAM50DW   | 50MM AL CAMLOCK D - ALUMINIUM          |
| CAM65DW   | 65MM AL CAMLOCK D - ALUMINIUM          |
| CAM80DW   | 80MM AL CAMLOCK D - ALUMINIUM          |
| CAM100DW  | 100MM AL CAMLOCK D - ALUMINIUM         |
|           |  |
| CAM20EW   | 20MM AL CAMLOCK E - ALUMINIUM          |
| CAM25EW   | 25MM AL CAMLOCK E - ALUMINIUM          |
| CAM32EW   | 32MM AL CAMLOCK E - ALUMINIUM          |
| CAM40EW   | 40MM AL CAMLOCK E - ALUMINIUM          |
| CAM50EW   | 50MM AL CAMLOCK E - ALUMINIUM          |
| CAM65EW   | 65MM AL CAMLOCK E - ALUMINIUM          |
| CAM80EW   | 80MM AL CAMLOCK E - ALUMINIUM          |
| CAM100EW  | 100MM AL CAMLOCK E - ALUMINIUM         |
|           |  |
| CAM20FW   | 20MM AL CAMLOCK F - ALUMINIUM          |
| CAM25FW   | 25MM AL CAMLOCK F - ALUMINIUM          |
| CAM32FW   | 32MM AL CAMLOCK F - ALUMINIUM          |
| CAM40FW   | 40MM AL CAMLOCK F - ALUMINIUM          |
| CAM50FW   | 50MM AL CAMLOCK F - ALUMINIUM          |
| CAM65FW   | 65MM AL CAMLOCK F - ALUMINIUM          |
| CAM80FW   | 80MM AL CAMLOCK F - ALUMINIUM          |
| CAM100FW  | 100MM AL CAMLOCK F - ALUMINIUM         |
|           |  |
| CAM20DCW  | 20MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM25DCW  | 25MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM32DCW  | 32MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM40DCW  | 40MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM50DCW  | 50MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM65DCW  | 65MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM80DCW  | 80MM AL CAMLOCK DUST CAP - ALUMINIUM   |
| CAM100DCW | 100MM AL CAMLOCK DUST CAP - ALUMINIUM  |
|           |  |
| CAM20DPW  | 20MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM25DPW  | 25MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM32DPW  | 32MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM40DPW  | 40MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM50DPW  | 50MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM65DPW  | 65MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM80DPW  | 80MM AL CAMLOCK DUST PLUG - ALUMINIUM  |
| CAM100DPW | 100MM AL CAMLOCK DUST PLUG - ALUMINIUM |

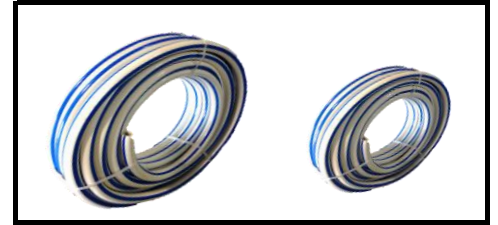




**MACFLO PVC WASHDOWN HOSE**

High quality, excellent UV resistance, 10 bar rated  
Inner core: black PVC with smooth finish  
Reinforcing: high tancity polyester yarn  
Outer cover: UV stabalised PVC with ribbed finish

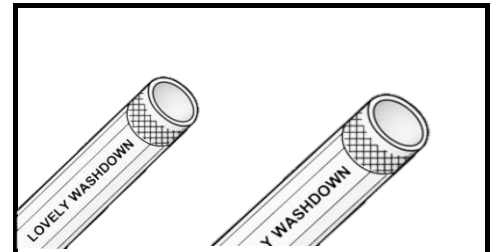
| CODE             | DESCRIPTION                |
|------------------|----------------------------|
| <b>30m rolls</b> |                            |
| MWD25            | 25MM MACFLO® WASHDOWN HOSE |
| MWD32            | 32MM MACFLO® WASHDOWN HOSE |
| <b>20m rolls</b> |                            |
| MWD40            | 40MM MACFLO® WASHDOWN HOSE |



**PVC WASHDOWN HOSE**

High quality  
10 bar rated

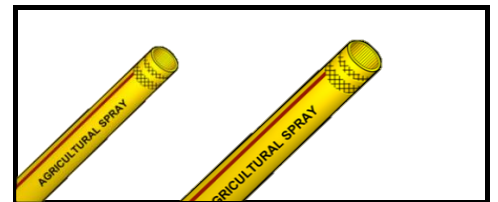
| CODE             | DESCRIPTION        |
|------------------|--------------------|
| <b>30m rolls</b> |                    |
| HWD25            | 25MM WASHDOWN HOSE |
| HWD32            | 32MM WASHDOWN HOSE |
| <b>20m rolls</b> |                    |
| HWD40            | 40MM WASHDOWN HOSE |



**AGRICULTURAL SPRAY HOSE**

600 psi

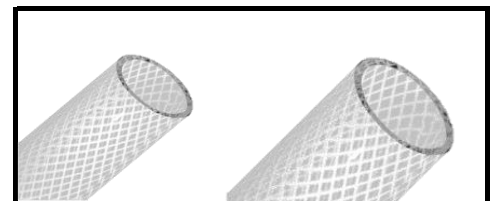
| CODE  | DESCRIPTION                          |
|-------|--------------------------------------|
| HAS10 | 10MM AGRICULTURAL SPRAY HOSE X 100mm |
| HAS13 | 13MM AGRICULTURAL SPRAY HOSE X 100mm |



**NON TOXIC PRESSUREFLEX**

Service temp: -5°C to 60°C

| CODE    | DESCRIPTION       |
|---------|-------------------|
| HNTP008 | 8MM PRESSUREFLEX  |
| HNTP013 | 13MM PRESSUREFLEX |
| HNTP016 | 16MM PRESSUREFLEX |
| HNTP020 | 20MM PRESSUREFLEX |
| HNTP025 | 25MM PRESSUREFLEX |





**HOSE**

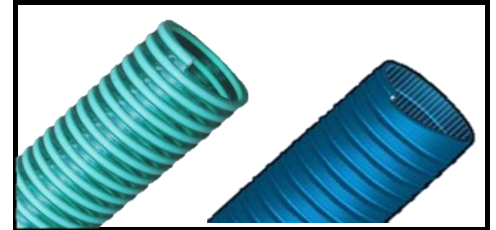
**PVC SUCTION HOSE**

Green PVC spiral reinforced

Service temp: 5°C to 60°C

For light duty suction and discharge of water in agricultural use

| CODE   | DESCRIPTION              |
|--------|--------------------------|
| HGS20  | 20MM GREEN L/D HELIFLEX  |
| HGS25  | 25MM GREEN L/D HELIFLEX  |
| HGS32  | 32MM GREEN L/D HELIFLEX  |
| HGS40  | 40MM GREEN L/D HELIFLEX  |
| HGS50  | 50MM GREEN L/D HELIFLEX  |
| HGS65  | 65MM GREEN L/D HELIFLEX  |
| HGS80  | 80MM GREEN L/D HELIFLEX  |
| HGS100 | 100MM GREEN L/D HELIFLEX |

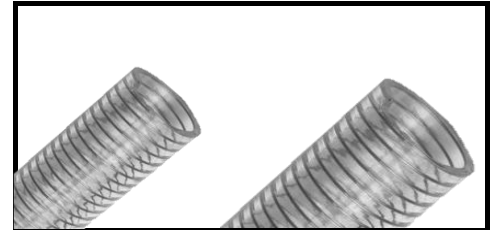


**Clear non-toxic steel spiral reinforced**

Service temp: 15°C to 65°C

Suitable for foodstuffs, vacuum pumps, agricultural machines, potable water

|        |                                 |
|--------|---------------------------------|
| HSP020 | 20MM HELISPRING NON TOXIC HOSE  |
| HSP025 | 25MM HELISPRING NON TOXIC HOSE  |
| HSP032 | 32MM HELISPRING NON TOXIC HOSE  |
| HSP040 | 40MM HELISPRING NON TOXIC HOSE  |
| HSP050 | 50MM HELISPRING NON TOXIC HOSE  |
| HSP065 | 65MM HELISPRING NON TOXIC HOSE  |
| HSP080 | 80MM HELISPRING NON TOXIC HOSE  |
| HSP100 | 100MM HELISPRING NON TOXIC HOSE |



**LAYFLAT HOSE**

PVC core polyester yarn reinforced with PVC cover

Service temp: 10°C to 60°C

Suitable for water discharge only in residential, agricultural, and industrial applications

|        |                         |
|--------|-------------------------|
| HLF025 | 25MM BLUE LAYFLAT HOSE  |
| HLF032 | 32MM BLUE LAYFLAT HOSE  |
| HLF040 | 40MM BLUE LAYFLAT HOSE  |
| HLF050 | 50MM BLUE LAYFLAT HOSE  |
| HLF065 | 65MM BLUE LAYFLAT HOSE  |
| HLF080 | 80MM BLUE LAYFLAT HOSE  |
| HLF100 | 100MM BLUE LAYFLAT HOSE |
| HLF150 | 150MM BLUE LAYFLAT HOSE |



**FLEXIBLE HOSES**

| CODE                             | DESCRIPTION                        |
|----------------------------------|------------------------------------|
| <b>15mm 304 Stainless Steel.</b> |                                    |
| SFH150100                        | 100MM X 1/2" BSP FLEX HOSE         |
| SFH150100E                       | 100MM X 1/2" BSP ELBOW FLEX HOSE   |
| SFH150150                        | 150MM X 1/2" BSP S/S FLEXIBLE HOSE |
| SFH150150E                       | 150MM X 1/2" BSP ELBOW FLEX HOSE   |
| SFH150200                        | 200MM X 1/2" BSP S/S FLEXIBLE HOSE |
| SFH150300                        | 300MM X 1/2" BSP S/S FLEXIBLE HOSE |
| SFH150300E                       | 300MM X 1/2" BSP ELBOW FLEX HOSE   |
| SFH150400                        | 400MM X 1/2" BSP S/S FLEXIBLE HOSE |
| SFH150400E                       | 400MM X 1/2" BSP ELBOW FLEX HOSE   |
| SFH150500                        | 500MM X 1/2" BSP S/S FLEXIBLE HOSE |
| SFH150600                        | 600MM X 1/2" BSP S/S FLEXIBLE HOSE |

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| <b>20mm - 50mm Zinc Plated Steel.</b> |                                   |
| SFH200300                             | 3/4" X 300MM FLEXIBLE HOSE M/F    |
| SFH200500                             | 3/4" X 500MM FLEXIBLE HOSE M/F    |
| SFH200800                             | 3/4" X 800MM FLEXIBLE HOSE M/F    |
| SFH201000                             | 3/4" X 1000MM FLEXIBLE HOSE M/F   |
| SFH250300                             | 1" X 300MM FLEXIBLE HOSE M/F      |
| SFH250500                             | 1" X 500MM FLEXIBLE HOSE M/F      |
| SFH250600                             | 1" X 600MM FLEXIBLE HOSE M/F      |
| SFH250700                             | 1" X 700MM FLEXIBLE HOSE M/F      |
| SFH250800                             | 1" X 800MM FLEXIBLE HOSE M/F      |
| SFH251000                             | 1" X 1000MM FLEXIBLE HOSE M/F     |
| SFH320500                             | 1 1/4" X 500MM FLEXIBLE HOSE M/F  |
| SFH320800                             | 1 1/4" X 800MM FLEXIBLE HOSE M/F  |
| SFH321000                             | 1 1/4" X 1000MM FLEXIBLE HOSE M/F |
| SFH400500                             | 1 1/2" X 500MM FLEXIBLE HOSE M/F  |
| SFH400800                             | 1 1/2" X 800MM FLEXIBLE HOSE M/F  |
| SFH401000                             | 1 1/2" X 1000MM FLEXIBLE HOSE M/F |
| SFH500500                             | 2" X 500MM FLEXIBLE HOSE M/F      |
| SFH500800                             | 2" X 800MM FLEXIBLE HOSE M/F      |
| SFH501000                             | 2" X 1000MM FLEXIBLE HOSE M/F     |



**WASHERS**

|         |                                    |
|---------|------------------------------------|
| SFH15CW | CONED WASHER FOR 15MM S/S FLEXHOSE |
| SFHW15  | WASHER FOR 15MM FLEXIBLE HOSE      |
| SFHW20  | WASHER FOR 20MM FLEXIBLE HOSE      |
| SFHW25  | 25MM FLEXIBLE HOSE WASHER - RUBBER |





**NORMA CLAMPS**

**NORMA HEAVY DUTY HOSE CLAMPS W2**

Stainless steel band Closure components mild steel, galvanised/yellow chromated



| CODE    | CLAMPING RANGE (mm) | BAND WIDTH (mm) |
|---------|---------------------|-----------------|
| NHDC017 | 17-19               | 18              |
| NHDC019 | 19-21               | 18              |
| NHDC021 | 21-23               | 18              |
| NHDC023 | 23-25               | 18              |
| NHDC025 | 25-27               | 18              |
| NHDC027 | 27-29               | 18              |
| NHDC029 | 29-31               | 18              |
| NHDC031 | 31-34               | 18              |
| NHDC034 | 34-37               | 18              |
| NHDC037 | 37-40               | 18              |
| NHDC040 | 40-43               | 18              |
| NHDC043 | 43-47               | 20              |
| NHDC047 | 47-51               | 20              |
| NHDC051 | 51-55               | 20              |
| NHDC055 | 55-59               | 20              |
| NHDC059 | 59-63               | 20              |
| NHDC063 | 63-68               | 20              |
| NHDC068 | 68-73               | 25              |
| NHDC073 | 73-79               | 25              |
| NHDC079 | 79-85               | 25              |
| NHDC085 | 85-91               | 25              |
| NHDC091 | 91-97               | 25              |
| NHDC097 | 97-104              | 25              |
| NHDC104 | 104-112             | 25              |
| NHDC112 | 112-121             | 25              |
| NHDC121 | 121-130             | 25              |
| NHDC130 | 130-140             | 30              |
| NHDC140 | 140-150             | 30              |
| NHDC150 | 150-162             | 30              |
| NHDC162 | 162-174             | 30              |
| NHDC174 | 174-187             | 30              |
| NHDC187 | 187-200             | 30              |
| NHDC200 | 200-213             | 30              |
| NHDC213 | 213-226             | 30              |
| NHDC226 | 226-239             | 30              |
| NHDC239 | 239-252             | 30              |



NHDCM Merchandiser c/w 250 clamps

**CLAMP SIZES FOR SOME PIPE AND HOSE SIZES:  
Medium Density Polythene, and Effluent Pipe:**

|         |               |
|---------|---------------|
| NHDC059 | Fits 63mm OD  |
| NHDC073 | Fits 75mm OD  |
| NHDC085 | Fits 90mm OD  |
| NHDC104 | Fits 110mm OD |

**Shed Wash Hose:**

|         |
|---------|
| NHDC034 |
| NHDC040 |
| NHDC047 |



**NORMA HOSE CLIPS**

| CODE                                       | CLAMPING RANGE (mm) | BAND WIDTH (mm) | PACK |
|--|---------------------|-----------------|------|
| <b>NORMA STAINLESS STEEL HOSE CLIPS W3</b> |                     |                 |      |
| <b>All stainless steel</b>                 |                     |                 |      |
| NHCS812                                    | 8 - 12              | 7.5             | 10   |
| NHCS008                                    | 8-16                | 9               | 10   |
| NHCS010                                    | 10-16               | 7.5             | 10   |
| NHCS012                                    | 12-20               | 9               | 10   |
| NHCS016                                    | 16-27               | 12              | 10   |
| NHCS020                                    | 20-32               | 12              | 10   |
| NHCS025                                    | 25-40               | 12              | 10   |
| NHCS030                                    | 30-45               | 12              | 10   |
| NHCS035                                    | 35-50               | 12              | 10   |
| NHCS040                                    | 40-60               | 12              | 10   |
| NHCS050                                    | 50-70               | 12              | 10   |
| NHCS060                                    | 60-80               | 12              | 10   |
| NHCS070                                    | 70-90               | 12              | 10   |
| NHCS080                                    | 80-100              | 12              | 10   |
| NHCS090                                    | 90-110              | 12              | 10   |
| NHCS100                                    | 100-120             | 12              | 5    |
| NHCS110                                    | 110-130             | 12              | 5    |
| NHCS120                                    | 120-140             | 12              | 5    |
| NHCS130                                    | 130-150             | 12              | 5    |
| NHCS140                                    | 140-160             | 12              | 5    |
| NHCS150                                    | 150-170             | 12              | 5    |
| NHCS160                                    | 160-180             | 12              | 5    |
| NHCS180                                    | 180-200             | 12              | 5    |
| NHCS210                                    | 210-230             | 12              | 5    |
| NHCS260                                    | 260-280             | 12              | 5    |



**NORMA HOSE CLAMPS W5**

**Stainless steel band and bolts**

W4 Material, Band, Screw & Housing: High Grade Stainless Steel throughout (1.4401 / AISI316).

|          |       |    |    |
|----------|-------|----|----|
| NHCSS012 | 12-20 | 9  | 10 |
| NHCSS030 | 30-45 | 12 | 10 |
| NHCSS035 | 35-50 | 12 | 10 |
| NHCSS040 | 40-60 | 12 | 10 |
| NHCSS050 | 50-70 | 12 | 10 |
| NHCSS060 | 60-80 | 12 | 10 |



**NORMAFIX NORMETTA WORM DRIVE BAND  
 CONTINUOUS 30METRES COILS**

|        |      |          |
|--------|------|----------|
| NWDB13 | 13mm | 30M Coil |
|--------|------|----------|

**NORMA CLOSURE STAINLESS STEEL BUCKLE  
 FOR WORM DRIVE 13MM BAND  
 SUITABLE FOR APPLICATIONS IN TIGHT SITUATIONS**

|         |      |    |
|---------|------|----|
| NWDBB13 | 13mm | 50 |
|---------|------|----|



**NORMA HOSE CLIPS**

| CODE | CLAMPING RANGE (mm) | BAND WIDTH (mm) | PACK |
|------|---------------------|-----------------|------|
|------|---------------------|-----------------|------|

**NORMA PIPE RETAINING CLAMPS**

**Rubber lined**

|        |            |      |    |
|--------|------------|------|----|
| NPRC06 | 6mm x 6mm  | 15mm | 10 |
| NPRC10 | 6mm x 10mm | 15mm | 10 |
| NPRC27 | 6mm x 27mm | 15mm | 10 |



**SCREWDRIVER FOR HEAVY DUTY CLAMPS**

|        |                                       |
|--------|---------------------------------------|
| NHDD8  | Screwdriver for 15mm wide hose clamps |
| NHDD10 | Screwdriver for 20mm wide hose clamps |
| NHDD13 | Screwdriver for 25mm wide hose clamps |



**NORMA HOSE CLIP FLEXDRIVER**

|        |  |
|--------|--|
| NHCS14 | hose clip flexdriver 1/4" & 3/16" socket |
| NHCS67 | hose clip flexdriver 6mm & 7mm socket    |



**NORMA HEAVY DUTY HOSE CLAMPS W4**

**Stainless steel band and bolts**

|          |         |    |
|----------|---------|----|
| NHDCS017 | 17-19   | 18 |
| NHDCS019 | 19-21   | 18 |
| NHDCS021 | 21-23   | 18 |
| NHDCS023 | 23-25   | 18 |
| NHDCS025 | 25-27   | 18 |
| NHDCS027 | 27-29   | 18 |
| NHDCS029 | 29-31   | 18 |
| NHDCS031 | 31-34   | 18 |
| NHDCS034 | 34-37   | 18 |
| NHDCS037 | 37-40   | 18 |
| NHDCS040 | 40-43   | 18 |
| NHDCS043 | 43-47   | 20 |
| NHDCS047 | 47-51   | 20 |
| NHDCS051 | 51-55   | 20 |
| NHDCS055 | 55-59   | 20 |
| NHDCS059 | 59-63   | 20 |
| NHDCS063 | 63-68   | 20 |
| NHDCS068 | 68-73   | 25 |
| NHDCS073 | 73-79   | 25 |
| NHDCS079 | 79-85   | 25 |
| NHDCS085 | 85-91   | 25 |
| NHDCS091 | 91-97   | 25 |
| NHDCS097 | 97-104  | 25 |
| NHDCS104 | 104-112 | 25 |
| NHDCS112 | 112-121 | 25 |
| NHDCS150 | 150-162 | 10 |
| NHDCS162 | 162-174 | 10 |



**NORMA COBRA CLIPS W4**

|        |         |     |
|--------|---------|-----|
| NHCC13 | 13.5-15 | 100 |
| NHCC14 | 14.5-16 | 100 |
| NHCC15 | 15.5-17 | 100 |
| NHCC17 | 17.5-19 | 100 |
| NHCC18 | 18.5-20 | 100 |
| NHCC19 | 19.5-21 | 100 |
| NHCC21 | 21.5-24 | 100 |
| NHCC22 | 22.5-24 | 100 |
| NHCC28 | 28.5-30 | 100 |



|      |                                 |
|------|---------------------------------|
| NHT1 | NORMA COBRA HAND TOOL - PRO     |
| NHT2 | NORMA COBRA HAND TOOL - ECONOMY |



**MERCHANDISERS**

CODE

|       |                                  |         |         |
|-------|----------------------------------|---------|---------|
| NHDCM | Contains x10each per bag:        | NHDC017 | NHDC019 |
|       | <b>W2 HEAVY DUTY HOSE CLAMPS</b> | NHDC021 | NHDC023 |
|       |                                  | NHDC025 | NHDC027 |
|       |                                  | NHDC029 | NHDC031 |
|       |                                  | NHDC034 | NHDC037 |
|       |                                  | NHDC040 | NHDC043 |
|       |                                  | NHDC047 | NHDC051 |
|       |                                  | NHDC055 | NHDC059 |
|       |                                  | NHDC063 | NHDC068 |
|       |                                  | NHDC073 | NHDC079 |
|       |                                  | NHDC085 | NHDC091 |
|       |                                  | NHDC097 | NHDC104 |
|       | NHDC112                          |         |         |



|        |           |              |              |
|--------|-----------|--------------|--------------|
| NHC135 | Contains: | 20 X NHCS008 | 20 X NHCS010 |
|        |           | 20 X NHCS012 | 15 X NHCS016 |
|        |           | 15 X NHCS020 | 15 X NHCS025 |
|        |           | 15 X NHCS035 | 15 X NHCS040 |



|        |           |              |              |
|--------|-----------|--------------|--------------|
| NHC420 | Contains: | 50 X NHCS008 | 40 X NHCS035 |
|        |           | 50 X NHCS010 | 30 X NHCS030 |
|        |           | 50 X NHCS012 | 20 X NHCS050 |
|        |           | 40 X NHCS016 | 10 X NHCS070 |
|        |           | 30 X NHCS020 | 10 X NHCS080 |
|        |           | 40 X NHCS025 | 10 X NHCS090 |
|        |           | 40 X NHCS030 |              |



|        |           |              |                  |
|--------|-----------|--------------|------------------|
| NHC100 | Contains: | 12 X NHCS008 | 10 X NHCS010     |
|        |           | 10 X NHCS012 | 10 X NHCS016     |
|        |           | 8 X NHCS020  | 10 X NHCS025     |
|        |           | 10 X NHCS035 | 10 X NHCS040     |
|        |           | 1 X NHCS067  | 6/7mm flexdriver |
|        |           |              |                  |



**NORMAFIX STANDARD CABLE TIES - NYLON PA 6.6**

**Applications**

Electrical Installations, Industrial Wiring, Automative, Panel Building, Special Applications

Made exclusively of polyamide 6.6 so they do not interfere in electronic equipment. In the balck cable ties the added black gives UV resistance according to ISO 4892 (QUIV-B 150 hours) compared to 3 years of outdoor exposure under sunlight and UV action

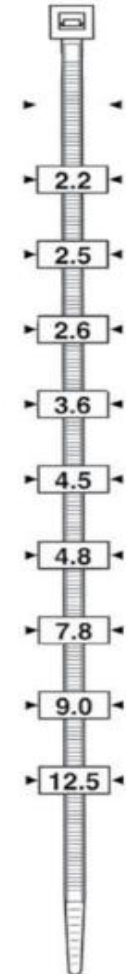
**Benefits** - Smooth rounded edges make then easier to handleand safer to install. Bent rounded tip allows easier insertion through the head of the cable ties. Low friction co-efficient of material.

**Characteristics Of Raw Material Polyamide 6.6**

Working temperature: -40°C+85°C  
Melting Temperature +110°C  
Tighting temperature -10°C+60°C  
Max admissible point +110°C



| CODE         | Description                  | Tensile Strength |           |
|--------------|------------------------------|------------------|-----------|
|              |                              | Min. In Kgs      | Pack Size |
| NCT2.5/100B  | CABLE TIE 2.5 X 100MM BLACK  | 8 Kgs            | 100       |
| NCT3.6/140B  | CABLE TIE 3.5 X 140MM BLACK  | 13 Kgs           | 100       |
| NCT3.6/200B  | CABLE TIE 3.5 X 200MM BLACK  | 13 Kgs           | 100       |
| NCT3.6/300B  | CABLE TIE 3.6 X 300MM BLACK  | 13 Kgs           | 100       |
| NCT4.8/200B  | CABLE TIE 4.8 X 200MM BLACK  | 22 Kgs           | 100       |
| NCT4.8/300B  | CABLE TIE 4.8 X 300MM BLACK  | 22 Kgs           | 100       |
| NCT4.8/400B  | CABLE TIE 4.8 X 400MM BLACK  | 22 Kgs           | 25        |
| NCT4.8/430B  | CABLE TIE 4.8 X 430MM BLACK  | 55 Kgs           | 25        |
| NCT7.2/200B  | CABLE TIE 7.2 X 2000MM BLACK | 55 Kgs           | 25        |
| NCT7.6/250B  | CABLE TIE 7.6 X 250MM BLACK  | 55 Kgs           | 25        |
| NCT7.6/300B  | CABLE TIE 7.6 X 300MM BLACK  | 55 Kgs           | 25        |
| NCT7.6/380B  | CABLE TIE 7.6 X 380MM BLACK  | 55 Kgs           | 25        |
| NCT7.6/450B  | CABLE TIE 7.6 X 450MM BLACK  | 55 Kgs           | 25        |
| NCT12.6/500B | CABLE TIE 12.6 X 720MM BLACK | 110 Kgs          | 50        |





**ACCESSORIES**

Code Description

**PRESSURE SWITCHES**

SDMPS SQUARE D MALE PRESSURE SWITCH 1.4-4.6 BAR

SDFPS SQUARE D FEMALE PRESSURE SWITCH 1.4-4.6BAR



**BIANCO PUMPZ FLOAT SWITCHES**

FS05 FLOAT SWITCH X 5 METRE LEAD

FS10 FLOAT SWITCH X 10 METRE LEAD



**PRESSCONTROL**

PC025L PRESSCONTROL X 1" BSP WITH LEADS

PC025CB CIRCUIT BOARD FOR 25MM PRESSCONTROL



**PRESSURE SWITCH CONTROL**

SC025 25MM PRESSURE SWITCH CONTROL



**HAND CLEANER**

MACL500 MACLEEN 500ML PUMP BOTTLE  
MACL01 MACLEEN 1LTR SQUIRT BOTTLE  
MACL05 MACLEEN 5LTR  
MACL20 MACLEEN 20LTR BULK  
MACL05P MACLEEN PUMP FOR 5LTR CONTAINER



**HAND SANITISER**

MACHS01 MACLON 1LTR HAND SANITISER  
MACHS500 MACLON 500ML HAND SANITISER



## COMPRESSION FITTINGS

Suitable for High Density polythene pipe (Classes B, C & D)

Plus standard low density in 15mm - 40mm

Recommended working pressure: 12 bar - 174 psi

|            |                        |                |
|------------|------------------------|----------------|
| Materials: | Body & nut:            | Polypropylene  |
|            | Locking ring & sleeve: | Acetal         |
|            | Sealing ring:          | Nitrile rubber |

All fittings should be tightened with a wrench

| Code | Description |
|------|-------------|
|------|-------------|

### STRAIGHT COUPLING

|       |                           |
|-------|---------------------------|
| RXC15 | 15MM RX STRAIGHT COUPLING |
| RXC20 | 20MM RX STRAIGHT COUPLING |
| RXC25 | 25MM RX STRAIGHT COUPLING |
| RXC32 | 32MM RX STRAIGHT COUPLING |
| RXC40 | 40MM RX STRAIGHT COUPLING |
| RXC50 | 50MM RX STRAIGHT COUPLING |



### MALE COUPLING

|        |                      |
|--------|----------------------|
| RXMC15 | 15MM RX MALE COUPLER |
| RXMC20 | 20MM RX MALE COUPLER |
| RXMC25 | 25MM RX MALE COUPLER |
| RXMC32 | 32MM RX MALE COUPLER |
| RXMC40 | 40MM RX MALE COUPLER |
| RXMC50 | 50MM RX MALE COUPLER |



### FEMALE COUPLING

|        |                        |
|--------|------------------------|
| RXFC15 | 15MM RX FEMALE COUPLER |
| RXFC20 | 20MM RX FEMALE COUPLER |
| RXFC25 | 25MM RX FEMALE COUPLER |
| RXFC32 | 32MM RX FEMALE COUPLER |
| RXFC40 | 40MM RX FEMALE COUPLER |
| RXFC50 | 50MM RX FEMALE COUPLER |



### EQUAL TEE

|        |             |
|--------|-------------|
| RXTE15 | 15MM RX TEE |
| RXTE20 | 20MM RX TEE |
| RXTE25 | 25MM RX TEE |
| RXTE32 | 32MM RX TEE |
| RXTE40 | 40MM RX TEE |
| RXTE50 | 50MM RX TEE |



## COMPRESSION FITTINGS

Suitable for High Density polythene pipe (Classes B, C & D)  
Plus standard low density in 15mm - 40mm  
Recommended working pressure: 12 bar - 174 psi

|            |                        |                |
|------------|------------------------|----------------|
| Materials: | Body & nut:            | Polypropylene  |
|            | Locking ring & sleeve: | Acetal         |
|            | Sealing ring:          | Nitrile rubber |

All fittings should be tightened with a wrench

| Code | Description |
|------|-------------|
|------|-------------|

### FEMALE TEE

|        |                    |
|--------|--------------------|
| RXFT15 | 15MM RX FEMALE TEE |
| RXFT20 | 20MM RX FEMALE TEE |
| RXFT25 | 25MM RX FEMALE TEE |
| RXFT32 | 32MM RX FEMALE TEE |
| RXFT40 | 40MM RX FEMALE TEE |
| RXFT50 | 50MM RX FEMALE TEE |



### FEMALE ELBOW

|        |                      |
|--------|----------------------|
| RXFE15 | 15MM RX FEMALE ELBOW |
| RXFE20 | 20MM RX FEMALE ELBOW |
| RXFE25 | 25MM RX FEMALE ELBOW |
| RXFE32 | 32MM RX FEMALE ELBOW |
| RXFE40 | 40MM RX FEMALE ELBOW |
| RXFE50 | 50MM RX FEMALE ELBOW |



### ELBOW

|       |               |
|-------|---------------|
| RXE15 | 15MM RX ELBOW |
| RXE20 | 20MM RX ELBOW |
| RXE25 | 25MM RX ELBOW |
| RXE32 | 32MM RX ELBOW |
| RXE40 | 40MM RX ELBOW |
| RXE50 | 50MM RX ELBOW |



### MALE ELBOW

|        |                    |
|--------|--------------------|
| RXME15 | 15MM RX MALE ELBOW |
| RXME20 | 20MM RX MALE ELBOW |
| RXME25 | 25MM RX MALE ELBOW |



**SPARE PARTS FOR COMPRESSION FITTINGS**

|                   |                                   |                       |
|-------------------|-----------------------------------|-----------------------|
| <b>Materials:</b> | <b>Body &amp; nut:</b>            | <b>Polypropylene</b>  |
|                   | <b>Locking ring &amp; sleeve:</b> | <b>Acetal</b>         |
|                   | <b>Sealing ring:</b>              | <b>Nitrile rubber</b> |

|      |             |
|------|-------------|
| Code | Description |
|------|-------------|

**O RING**

|        |                |
|--------|----------------|
| RXOR15 | 15MM RX O RING |
| RXOR20 | 20MM RX O RING |
| RXOR25 | 25MM RX O RING |
| RXOR32 | 32MM RX O RING |
| RXOR40 | 40MM RX O RING |
| RXOR50 | 50MM RX O RING |



**NUT**

|       |              |
|-------|--------------|
| RXB15 | 15MM BACKNUT |
| RXB20 | 20MM BACKNUT |
| RXB25 | 25MM BACKNUT |
| RXB32 | 32MM BACKNUT |
| RXB40 | 40MM BACKNUT |
| RXB50 | 50MM BACKNUT |



**LOCKING RING**

|        |                      |
|--------|----------------------|
| RXLR15 | 15MM RX LOCKING RING |
| RXLR20 | 20MM RX LOCKING RING |
| RXLR25 | 25MM RX LOCKING RING |
| RXLR32 | 32MM RX LOCKING RING |
| RXLR40 | 40MM RX LOCKING RING |
| RXLR50 | 50MM RX LOCKING RING |



**SLEEVE**

|        |                |
|--------|----------------|
| RXSL15 | 15MM RX SLEEVE |
| RXSL20 | 20MM RX SLEEVE |
| RXSL25 | 25MM RX SLEEVE |
| RXSL32 | 32MM RX SLEEVE |
| RXSL40 | 40MM RX SLEEVE |
| RXSL50 | 50MM RX SLEEVE |



**TAPPING SADDLES AND WATER METERS**

Code Description

**RX TAPPING SADDLES**

To fit LDPE & PVC

|          |                               |
|----------|-------------------------------|
| RXTS2015 | 20MM X 15MM RX TAPPING SADDLE |
| RXTS2020 | 20MM X 20MM RX TAPPING SADDLE |
| RXTS2515 | 25MM X 15MM RX TAPPING SADDLE |
| RXTS2520 | 25MM X 20MM RX TAPPING SADDLE |
| RXTS3215 | 32MM X 15MM RX TAPPING SADDLE |
| RXTS3220 | 32MM X 20MM RX TAPPING SADDLE |



|          |                               |
|----------|-------------------------------|
| RXTS4015 | 40MM X 15MM RX TAPPING SADDLE |
| RXTS4020 | 40MM X 20MM RX TAPPING SADDLE |
| RXTS4025 | 40MM X 25MM RX TAPPING SADDLE |
| RXTS4032 | 40MM X 32MM RX TAPPING SADDLE |
| RXTS5015 | 50MM X 15MM RX TAPPING SADDLE |
| RXTS5020 | 50MM X 20MM RX TAPPING SADDLE |
| RXTS5025 | 50MM X 25MM RX TAPPING SADDLE |
| RXTS5032 | 50MM X 32MM RX TAPPING SADDLE |



**WATER METERS**

Code Description

Manual read

|      |                  |
|------|------------------|
| WM15 | Water Meter 15mm |
| WM20 | Water Meter 20mm |
| WM25 | Water Meter 25mm |
| WM32 | Water Meter 32mm |
| WM40 | Water Meter 40mm |
| WM50 | Water Meter 50mm |



Meters with EV are magnetic drive with EV pulse to comply with most NZ regional councils requiring meters capable of data logging or telemetry output  
Meters have threaded tails

|         |                             |
|---------|-----------------------------|
| WMB20EV | 20mm Water Meter with Leads |
| WMB25EV | 25mm Water Meter with Leads |
| WMB32EV | 32mm Water Meter with Leads |
| WMB40EV | 40mm Water Meter with Leads |
| WMB50EV | 50mm Water Meter with Leads |



**THREADSEALS, DRUM TAPS, CIP EMERKIT**

Code Description

**CEELON PTFE THREADSEAL TAPE**

|        |                                     |
|--------|-------------------------------------|
| CT12R  | 24 ROLLS CEELON 10M X 12MM X .075MM |
| CT12RO | 240 ROLLS CEELON 10M X 12MM X.075MM |
| CT18B  | 16 ROLLS CEELON 12M X 18MM X .075MM |
| CT18BO | 160 ROLLS CEELON 12M X 18MM X.075MM |
| CT24G  | 16 ROLLS CEELON 12M X 24MM X .075MM |
| CT24GO | 160 ROLLS CEELON 12MX24MM X .075MM  |



**UNASCO HIGH DENSITY TEFLON THREADSEAL TAPE**

|         |  |
|---------|--|
| TST1210 | THREADSEAL TAPE 12MM X 10M X .076MM (10PACK) |
| TST1230 | THREADSEAL TAPE 12MM X 30M X .076MM (10PACK) |
| TST1912 | THREADSEAL TAPE 19MM X 12M X .076MM (10PACK) |



**LOXEAL LIQUID THREADSEALANT**

Anaerobic curing adhesive for sealing of metal thread joints  
 Temperature range -50°C to +150°C

|         |                                       |
|---------|---------------------------------------|
| LX5811  | LOXEAL LIQUID THREADSEAL 50ML         |
| LX5811D | LOXEAL LIQUID THREADSEALANT 50ML X 10 |
| LOX1810 | LOXEAL REMOVABLE THREADSEAL 50ML      |



**ITAP LIQUID THREADSEALANT**

|           |                        |        |
|-----------|------------------------|--------|
| ITAPTS    | ITAP THREAD SEAL 75ML  | 1 tube |
| ITAPTS100 | ITAP THREAD SEAL 100ML | 1 tube |



**CIP EMERKIT**

Highly versatile two-part epoxy resin in easy to use stick form  
 Hand mouldable, bonds to wet or dry surfaces, seals leaks, insulates and sets like concrete  
 Industrial packs containing 8 pairs of sticks

|         |                                     |
|---------|-------------------------------------|
| EMERKIT | EPOXY RESIN INDUSTRIAL PACK - 8 PRS |
|---------|-------------------------------------|



**LEATHER PUMP WASHERS**

Premium quality bark tan leather

| Code     | Description                           |
|----------|---------------------------------------|
| LW037512 | 3/8" LEATHER CUP WASHER               |
| LW075012 | 3/4" LEATHER CUP WASHER               |
| LW087512 | 7/8" LEATHER CUP WASHER               |
| LW100012 | 1" LEATHER CUP WASHER                 |
| LW112512 | 1 1/8" LEATHER CUP WASHER             |
| LW125012 | 1 1/4" LEATHER CUP WASHER             |
| LW137512 | 1 3/8" LEATHER CUP WASHER             |
| LW150012 | 1 1/2" LEATHER CUP WASHER             |
| LW150058 | 1 1/2" LEATHER CUP WASHER - 5/8" HOLE |
| LW162512 | 1 5/8" LEATHER CUP WASHER             |
| LW175012 | 1 3/4" LEATHER CUP WASHER             |
| LW175058 | 1 3/4" LEATHER CUP WASHER - 5/8"HOLE  |
| LW187512 | 1 7/8" LEATHER CUP WASHER             |
| LW200012 | 2" LEATHER CUP WASHER                 |
| LW212512 | 2 1/8" LEATHER CUP WASHER             |
| LW225012 | 2 1/4" LEATHER CUP WASHER             |
| LW237512 | 2 3/8" LEATHER CUP WASHER             |
| LW237558 | 2 3/8" LEATHER CUP WASHER - 5/8" HOLE |
| LW250012 | 2 1/2" LEATHER CUP WASHER             |
| LW262512 | 2 5/8" LEATHER CUP WASHER             |
| LW275012 | 2 3/4" LEATHER CUP WASHER             |
| LW275058 | 2 3/4" LEATHER CUP WASHER - 5/8" HOLE |
| LW287512 | 2 7/8" LEATHER CUP WASHER             |
| LW300012 | 3" LEATHER CUP WASHER                 |
| LW300034 | 3" LEATHER CUP WASHER - 3/4" HOLE     |
| LW300058 | 3" LEATHER CUP WASHER - 5/8" HOLE     |
| LW325012 | 3 1/4" LEATHER CUP WASHER             |
| LW325012 | 3 1/4" LEATHER CUP WASHER             |
| LW337512 | 3 3/8" LEATHER CUP WASHER             |
| LW350012 | 3 1/2" LEATHER CUP WASHER x 1/2"      |
| LW362512 | 3 5/8" LEATHER CUP WASHER             |
| LW375012 | 3 3/4" LEATHER CUP WASHER             |
| LW387512 | 3 7/8" LEATHER CUP WASHER             |
| LW400012 | 4" LEATHER CUP WASHER                 |
| LW450012 | 4 1/2" LEATHER CUP WASHER             |



**STUB DRILLS**

Double ended stub drills

|        |                                    |
|--------|------------------------------------|
| DESD   | DOUBLE ENDED STUB DRILL 3.3MM X 30 |
| DESD41 | DOUBLE ENDED STUB DRILL 4.1MM X 10 |



**POLYWASHERS**

|        |                 |
|--------|-----------------|
| POLY15 | 15MM POLYWASHER |
| POLY20 | 20MM POLYWASHER |
| POLY25 | 25MM POLYWASHER |
| POLY32 | 32MM POLYWASHER |
| POLY40 | 40MM POLYWASHER |
| POLY50 | 50MM POLYWASHER |



**PVS SLOTTED SANDSCREENS, GALVANISED PIPE SADDLES,  
 PRESSURE GAUGES, VACUUM GAUGES**

Code Description

**PVC SLOTTED SANDSCREENS**

Includes valve socket and end cap (with 0.5 slots at 6mm spacings)

PSF20M 20MM PVC SLOTTED SAND SCREEN  
 PSF25M 25MM PVC SLOTTED SAND SCREEN  
 PSF32M 32MM PVC SLOTTED SAND SCREEN  
 PSF40M 40MM PVC SLOTTED SAND SCREEN  
 PSF50M 50MM PVC SLOTTED SAND SCREEN

PSF65 65MM PVC SLOTTED SAND SCREEN  
 PSF80 80MM PVC SLOTTED SAND SCREEN  
 PSF100 100MM PVC SLOTTED SAND SCREEN



**GALVANISED PIPE SADDLES**

GPS015 15MM GALV PIPE SADDLE  
 GPS020 20MM GALV PIPE SADDLE  
 GPS025 25MM GALV PIPE SADDLE  
 GPS032 32MM GALV PIPE SADDLE  
 GPS040 40MM GALV PIPE SADDLE  
 GPS050 50MM GALV PIPE SADDLE  
 GPS065 65MM GALV PIPE SADDLE  
 GPS080 80MM GALV PIPE SADDLE  
 GPS100 100MM GALV PIPE SADDLE



**PRESSURE GAUGES**

63mm dial Bottom entry Glycerine filled

PG80 0-80 PSI (600 KPA) PRESSURE GAUGE  
 PG150 0-150 PSI (1000 KPA) PRESSURE GAUGE  
 PG250 0-250 PSI (1600 KPA) PRESSURE GAUGE

PG350 0-350 PSI (2500 KPA) PRESSURE GAUGE

PG35 0 - 35 PSI PRESSURE GAUGE  
 PG500 0 - 500 PSI PRESSURE GAUGE  
 PG600 0 - 600 PSI PRESSURE GAUGE  
 PG1000 0 - 1000 PSI PRESSURE GAUGE  
 PG1600 0 - 1600 PSI PRESSURE GAUGE



63mm dial Back entry  
 PG80B 0 - 80 PSI PRESSURE GAUGE BACK ENTRY  
 PG150B 0 - 150 PSI PRESSURE GAUGE BACK ENTRY  
 PG250B 0 - 250 PSI PRESSURE GAUGE BACK ENTRY  
 PG350B 0 - 350 PSI PRESSURE GAUGE BACK ENTRY



**VACUUM GAUGE**

90mm dial Chrome-plated Fully adjustable

VG100 VACUUM GAUGE 0 TO 100KPA

**PIPE CUTTERS & SAWS**

Replaceable high carbon Teflon coated steel blade  
Tough, durable nylon handles  
Clean burr-free cut  
SS200 has stainless steel blade

Code Description

**KwikCut Pipe Cutters**

T135 PIPE CUTTER - MEDIUM ORANGE  
SS200 PIPE CUTTER - LARGE S/S BLADE - SPRING LOADED  
SL200 PIPE CUTTER - LARGE S/S BLADE



**Spare Blades KwikCut Range**

BT135 PIPE CUTTER BLADE - MEDIUM  
SSB200 PIPE CUTTER BLADE - LARGE S/S

**Macflo Pipe Cutters**

R125 MACFLO RATCHET PIPE CUTTER 20mm to 63mm  
MSS200 MACFLO PIPE CUTTER - LARGE S/S BLADE 50mm



**Spare Blades Macflo Range**

BR125 MACFLO RATCHET REPLACEMENT BLADE  
MSSB200 PIPE CUTTER 50MM BLADE ONLY - MSS200

**HAND SAW**

GS09 9" PVC/ABS HAND SAW  
GS13 13" PVC/ABS hand saw



**REPLACEMENT BLADES**

BGS9 9" HAND SAW REPLACEMENT BLADE  
BGS13 13" HAND SAW REPLACEMENT BLADE

**WIRE ROPE SAW**

RS32 32" WIRE ROPE SAW



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**PAN SCREWS AND TAPE**

Code Description

**TOILET PAN SCREWS**

Brass:

TPS TOILET PAN SCREW SET - Brass Screws



**STAINLESS WASHERS**

304 stainless steel X .09mm

SW020 20mm Stainless Steel Washers  
SW025 25mm Stainless Steel Washers  
SW032 32mm Stainless Steel Washers  
SW040 40mm Stainless Steel Washers  
SW050 50mm Stainless Steel Washers  
SW065 65mm Stainless Steel Washers  
SW080 80mm Stainless Steel Washers  
SW100 100mm Stainless Steel Washers



**RUBBER WASHERS**

IW15 15mm IW Rubber Washer  
IW20 20mm IW Rubber Washer  
IW25 25mm IW Rubber Washer  
IW32 32mm IW Rubber Washer  
IW40 40mm IW Rubber Washer  
IW50 50mm IW Rubber Washer  
IW65 65mm IW Rubber Washer  
IW80 80mm IW Rubber Washer  
IW100 100mm IW Rubber Washer

