



AUSTRALHOSE SA

ABN 59 063 789 668

PTY LTD

EDITION 1





INTRODUCTION.....

When asked to write an introduction for a printed industrial catalogue, I was pleasantly surprised. Austrahose first produced its Hose and Fittings user guide back in 1994 when everybody was changing to digital presentations. Maybe this was an improvement on the old micro fiche which was the rage for industrial type catalogues. I remember the work involved in finding all the material required, the staff involvement and choosing items worthy of being placed in the catalogue. The exercise was so inspiring and stirred a passion for good quality products and how best to present them to our customers. The staff felt a part of the company and the enthusiasm to serve our customers just grew to new heights.

It is with this type of inspiration that Nick and his staff have completed the task of this current hard copy catalogue. I somehow remember hearing a long time ago the following saying which still holds true today.

“ Digital is great if you know what you’re looking for, but it’s terrible for browsing “

It seems that Nick and his staff are of the same opinion.

As the original owner of Austrahose South Australia it gives me great satisfaction to see Nick and his staff continue with the same passion that was evident back so many years ago. My first involvement with Nick was as one of our customers. This then led to him being our landlord when we opened our branch in South Australia. As interest in the business grew, it was inevitable that he was going to own the company one day. His passion for the products and customer service has been noted by suppliers and customers alike. It is with great pride that I can write this introduction for their new printed catalogue. I am sure that the success of Austrahose South Australia will continue for many years and wish all the best for him and his staff in the future.

Joseph Mania

Retired

Hose and Fittings Enthusiast

AUSTRAHOSE (SA) PTY LTD TERMS AND CONDITIONS OF SALE

ORDERS:

1. Minimum order value is \$50 nett, Minimum hose length cut is 0.5 mtr.
Special buy in's are Non returnable.
2. Any order placed by a Buyer (the "Buyer") with Austrahose (SA) is deemed to be an order incorporating these terms and conditions. If there is any inconsistency between these terms and conditions, the terms and conditions stipulated or referred to by the Buyer or the Buyer's order, or any provision contained in Austrahose (SA) price list, these terms and conditions shall prevail.
3. The placement of an order either verbally or in writing constitutes acceptance of Austrahose (SA) terms and Conditions of Sale.

QUOTATIONS AND PRICES:

4. Quotations are valid for 30 days only after which Austrahose (SA) reserves the right to change any quotation given.
5. Prices quoted do not include freight charges, which should be the responsibility of the Buyer, unless the quotation specifically provides otherwise.
6. Unless otherwise agreed in writing, the price charged for goods shall be the ruling as determined by Austrahose (SA) at the date of delivery. Any price indications or price lists are subject to alteration in accordance with the price ruling at this date.
7. Catalogue list prices exclude GST. 10% GST will be shown on invoice.
8. Where applicable, any deferred terms charge is a variable rate subject to approval. The amount will be calculated as a percentage of the total invoice including GST.

PAYMENT AND DEFAULT:

9. All accounts are due and payable not later than 30 days from the end of the month of the date the Invoice/s (goods) were purchased ("the due date") subject to any express written agreement providing for varied terms.
10. In the event of default of payment by the due date or breach of any other obligation, Austrahose (SA) will be entitled to:
 - (a) interest on all amounts overdue, from the end of the month during which the purchase made until the date of payment in full, at the rate of 2% higher than Austrahose (SA)'s current bank overdraft rate per annum (or such other rate as Austrahose (SA) may publish from time to time in lieu of that rate), calculated daily, plus
 - (b) the cost to Austrahose (SA) of recovering the overdue amount, plus
 - (c) payment for all purchases made by the Buyer from Austrahose (SA), the payment of which would otherwise not have been then due and payable, plus
 - (d) disallow any discounts otherwise claimable by the buyer, plus
 - (e) terminate or suspend delivery of any order which is the subject of any other sale between Austrahose (SA) and the Buyer, plus
 - (f) cancel the Buyers commercial credit account with Austrahose (SA), plus
 - (g) treat the Buyer's default as a repudiation of any existing contract for the purchase of goods and recover any unpaid sum from the Buyer by the way of liquidated damages.
11. Austrahose (SA) may at all times as its sole discretion and without being under any duty or obligation to provide reasons, review, alter or terminate the Buyer's credit limit or payment terms without notice.

WARRANTY:

12. Austrahose (SA) warrants all products free of defects in material and workmanship, any claims must be made within 14 days of shipment. This warranty is limited to replacement, item for item, which after examination by Austrahose (SA) is deemed defective.

RETURN OF GOODS:

13. (a) A 15% handling fee will be levied for goods returns which are incorrectly ordered.
- (b) No goods will be accepted without prior notice.
- (c) No claims or return of goods will be accepted after 7 days from date of delivery of the goods.
- (d) All claims, requests for credit, or return of goods must quote the delivery docket number or invoice number that the goods were supplied against.
- (e) No returns will be accepted on cut lengths of hose, special buy in's, or goods manufactured specifically for any customer.
- (f) Freight must be prepaid on all returns.
- (g) All goods returned must have a return authorization number.



AUSTRAHOSE (SA) PTY LTD TERMS AND CONDITIONS OF SALE

DELIVERY:

14. All orders are ex-warehouse unless otherwise requested.
15. Where the Buyer collects the goods or a carrier is engaged by the buyer to collect the goods during transit, shall pass to the buyer upon the placement of the goods by Austrahose (SA) in rail or road trucks at the point of loading for dispatch to the buyer.
16. Any period or date for delivery stated by Austrahose (SA) is intended as an estimate only and is not contractual commitment. Austrahose (SA) will not be liable for any loss (including consequential loss) or damage suffered by the Buyer or any other person arising out of failure to meet an estimated delivery date.

RISK:

17. The risk of products (including risk of any loss of or damage to or deterioration to products) supplied by Austrahose (SA) passes to the buyer from the time of delivery of the products by Austrahose (SA) to or to the order of the buyer.
18. If any product is damaged or destroyed before title passes to the Buyer, Austrahose (SA) may (in addition to any other right or remedy under this agreement) receive all insurance proceeds payable for the damaged or destroyed product, whether or not the price of the Product has become payable under this agreement or under any contract for supply. This agreement or under any contract for supply. This agreement is sufficient evidence of Austrahose (SA)'s right (as against the Buyer) to receive payment of the insurance proceeds without the need for further inquiry by any person dealing with Austrahose (SA).


























TITLE:

19. (a) The buyer hereby acknowledges that title to all goods supplied and delivered will not pass to the buyer until payment in full of all outstanding debts has been received by Austrahose (SA) and cheques are cleared. Austrahose (SA) hereby agrees to allow the buyer to deal, sell or trade with the goods in the normal course of business, and for the buyer to retain the sale proceeds of such sale or dealing, provided that the buyer adheres to the terms and conditions of sale.
(b) Until the date of final payment, the buyer shall store all of the goods supplied by Austrahose (SA), so that they are clearly identified as the property of Austrahose (SA).
(c) In the event of any payment default for goods supplied under the normal trading terms and conditions as agreed to with Austrahose (SA), then Austrahose (SA) shall have the right (without giving prior notice) to retake possession of all the goods supplied, and the Buyer hereby authorizes and allows Austrahose (SA) or its appointed representative, servant, agent, or employee to enter the premises upon which the goods are stored or housed, for the purpose of retaking possession of the goods, and Austrahose (SA) shall not be liable for any costs, losses, damages, expenses or any other monies or losses suffered by the Buyer as a result of Austrahose (SA) retaking possession of the goods.
(d) The Buyer indemnifies Austrahose (SA) against any loss or damage to the products occurring prior to title passing.

DISCLAIMER:

20. The information contained in our catalogues should be taken as a guide for use of hose and fittings. Pricing is subject to change.
21. Austrahose (SA) shall not be liable for any loss, damage or injury sustained by any person or loss or damage to property whatsoever and howsoever arising directly out of or in consequence of Austrahose (SA) supplying the buyer goods which are co-mingled by the buyer or third parties outside Austrahose (SA)'s works or which are blended by Austrahose (SA) to a special prescription supplied by the buyer or a third party at the request of the Buyer. Austrahose (SA) liability for any loss, damage or injury sustained by any person or loss or damage to any property will be limited to the price of any product purchased from Austrahose (SA) as a component of such prescription.

TABLE OF CONTENTS

	SECTION	BRANDS	PAGE
A	CAMLOCKS	 	2
B	HOSE CLAMPS		16
C	VALVES		34
D	SCREWED BSP FITTINGS		48
E	BRASS AIR FITTINGS & COUPLINGS (TEMA, NITTO & RYCO)	 	70
F	DEWATERING		80
G1 G2	MINING & CAMPBELL CRIMPNOLOGY	 	86 96
H	FIRE EQUIPMENT		104
I	FUEL EQUIPMENT		112
J	HOSE REELS		118
K	RUBBER MOUNTS		124
L	IVG WRAPPED RUBBER HOSE		134
M1 M2	ALFAGOMMA WRAPPED RUBBER HOSE REPTILIAN WRAPPED RUBBER HOSE		146 156
N1 N2	COMPOSITE HOSE & GOODYEAR WRAPPED RUBBER HOSE		162 170
O	GOODYEAR EXTRUDED RUBBER HOSE		182
P	THERMOID EXTRUDED RUBBER HOSE		192
Q	SILICONE RADIATOR HOSE	 	200
R	PVC PRESSURE HOSE		206
S	PVC SUCTION HOSE		214
T	LAYFLAT HOSE		224
U	DUCTING	 	228
V	POOL & CARPET HOSE	 	238
W	SHEET RUBBER & RUBBER PRODUCTS		244
X	TECHNICAL DATA		248



DIECAST
ALUMINIUM



GRAVITY CAST
ALUMINIUM

NPT
THREAD



BSP
THREAD



POLY

STAINLESS
STEEL

BRONZE



CAMLOCKS

4... **TYPE A & B**



5... **TYPE "C" & "D"**



6... **TYPE "E" & "F"**



7... **DUST CAPS & PLUGS**



8... **N.P.T. CAMLOCKS**

9... **REDUCING CAMLOCK**



10... **DC LOCKING, ALI HOSE JOINER**
TYPE FA, FC, AA
TYPE BC 68 DEG & EC 90 DEG



11... **TYPES AA REDUCING, HA, FM**
WELD ON HOSETAIL,
90 DEG THREADED HOSE TAIL



12... **SCROLL TAIL CAMLOCKS**
WAM LOCK LEVERS



13... **CAMLOCK ACCESSORIES**



14... **ALI SCREWED FITTINGS**



All dimensions and weights are nominal and subject to change without notice.

CAMLOCKS



"A"

ADAPTOR MALE x BSP
FEMALE

Size	Shyang Diecast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-A1012	-	-
12 x 20	-	-	-	653-A1015	651-A1012	-
20	654-A1020	656-A1020	652-A1020	653-A1020	651-A1020	649-A1020
25	654-A1025	656-A1025	652-A1025	653-A1025	651-A1025	649-A1025
32	654-A1032	656-A1032	652-A1032	653-A1032	651-A1032	649-A1032
38	654-A1038	656-A1038	652-A1038	653-A1038	651-A1038	649-A1038
50	654-A1050	656-A1050	652-A1050	653-A1050	651-A1050	649-A1050
65	654-A1065	656-A1065	652-A1065	653-A1065	651-A1065	-
75	654-A1075	656-A1075	652-A1075	653-A1075	651-A1075	649-A1075
100	654-A1100	656-A1100	652-A1100	653-A1100	651-A1100	-
125	654-A1125	-	652-A1125	653-A1125	-	-
150	654-A1150	656-A1150	652-A1150	653-A1150	-	-
200	-	650-A1200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium



"B"

COUPLER FEMALE x
BSP MALE

Size	Shyang Diecast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-B3012	-	-
12 x 20	-	-	-	653-B3015	651-B3012	-
20	654-B3020	656-B3020	652-B3020	653-B3020	651-B3020	649-B3020
25	654-B3025	656-B3025	652-B3025	653-B3025	651-B3025	649-B3025
32	654-B3032	656-B3032	652-B3032	653-B3032	651-B3032	649-B3032
38	654-B3038	656-B3038	652-B3038	653-B3038	651-B3038	649-B3038
50	654-B3050	656-B3050	652-B3050	653-B3050	651-B3050	649-B3050
65	654-B3065	656-B3065	652-B3065	653-B3065	651-B3065	-
75	654-B3075	656-B3075	652-B3075	653-B3075	651-B3075	649-B3075
100	654-B3100	656-B3100	652-B3100	653-B3100	651-B3100	-
125	654-B3125	-	652-B3125	653-B3125	-	-
150	654-B3150	656-B3150	652-B3150	653-B3150	-	-
200	-	650-B3200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium

CAMLOCKS



"C"

COUPLER FEMALE X
HOSETAIL

Size	Shyang Diecast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-C9012	-	-
12 x 20	-	656-C9015	-	653-C9015	651-C9012	-
20	654-C9020	656-C9020	652-C9020	653-C9020	651-C9020	649-C9020
25	654-C9025	656-C9025	652-C9025	653-C9025	651-C9025	649-C9025
32	654-C9032	656-C9032	652-C9032	653-C9032	651-C9032	649-C9032
38	654-C9038	656-C9038	652-C9038	653-C9038	651-C9038	649-C9038
50	654-C9050	656-C9050	652-C9050	653-C9050	651-C9050	649-C9050
65	654-C9065	656-C9065	652-C9065	653-C9065	651-C9065	-
75	654-C9075	656-C9075	652-C9075	653-C9075	651-C9075	649-C9075
100	654-C9100	656-C9100	652-C9100	653-C9100	651-C9100	-
125	654-C9125	-	652-C9125	653-C9125	-	-
150	654-C9150	656-C9150	652-C9150	653-C9150	-	-
200	-	650-C9200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium



"D"

COUPLER FEMALE x
BSP FEMALE

Size	Shyang Die Cast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-D2012	-	-
12 x 20	-	-	-	653-D2015	651-D2012	-
20	654-D2020	656-D2020	652-D2020	653-D2020	651-D2020	649-D2020
25	654-D2025	656-D2025	652-D2025	653-D2025	651-D2025	649-D2025
32	654-D2032	656-D2032	652-D2032	653-D2032	651-D2032	649-D2032
38	654-D2038	656-D2038	652-D2038	653-D2038	651-D2038	649-D2038
50	654-D2050	656-D2050	652-D2050	653-D2050	651-D2050	649-D2050
65	654-D2065	656-D2065	652-D2065	653-D2065	651-D2065	-
75	654-D2075	656-D2075	652-D2075	653-D2075	651-D2075	649-D2075
100	654-D2100	656-D2100	652-D2100	653-D2100	651-D2100	-
125	654-D2125	-	652-D2125	653-D2125	-	-
150	654-D2150	656-D2150	652-D2150	653-D2150	-	-
200	-	650-D2200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium

CAMLOCKS



“E”

ADAPTOR MALE X
HOSETAIL

Size	Shyang Die Cast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-E2012	-	-
12 x 20	-	-	-	653-E2015	651-E2012	-
20	654-E2020	656-E2020	652-E2020	653-E2020	651-E2020	649-E2020
25	654-E2025	656-E2025	652-E2025	653-E2025	651-E2025	649-E2025
32	654-E2032	656-E2032	652-E2032	653-E2032	651-E2032	649-E2032
38	654-E2038	656-E2038	652-E2038	653-E2038	651-E2038	649-E2038
50	654-E2050	656-E2050	652-E2050	653-E2050	651-E2050	649-E2050
65	654-E2065	656-E2065	652-E2065	653-E2065	651-E2065	-
75	654-E2075	656-E2075	652-E2075	653-E2075	651-E2075	649-E2075
100	654-E2100	656-E2100	652-E2100	653-E2100	651-E2100	-
125	654-E2125	-	652-E2125	653-E2125	-	-
150	654-E2150	656-E2150	652-E2150	653-E2150	-	-
200	-	650-E2200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium



“F”

ADAPTOR MALE x BSP
MALE

Size	Shyang Die Cast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-F1012	-	-
12 x 20	-	-	-	653-F1015	651-F1012	-
20	654-F1020	656-F1020	652-F1020	653-F1020	651-F1020	649-F1020
25	654-F1025	656-F1025	652-F1025	653-F1025	651-F1025	649-F1025
32	654-F1032	656-F1032	652-F1032	653-F1032	651-F1032	649-F1032
38	654-F1038	656-F1038	652-F1038	653-F1038	651-F1038	649-F1038
50	654-F1050	656-F1050	652-F1050	653-F1050	651-F1050	649-F1050
65	654-F1065	656-F1065	652-F1065	653-F1065	651-F1065	-
75	654-F1075	656-F1075	652-F1075	653-F1075	651-F1075	649-F1075
100	654-F1100	656-F1100	652-F1100	653-F1100	651-F1100	-
125	654-F1125	-	652-F1125	653-F1125	-	-
150	654-F1150	656-F1150	652-F1150	653-F1150	-	-
200	-	650-F1200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium

CAMLOCKS



"DC"

DUST CAP FEMALE

Size	Shyang Die Cast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-DC012	-	-
20	654-DC020	656-DC020	652-DC020	653-DC020	651-DC020	649-DC020
25	654-DC025	656-DC025	652-DC025	653-DC025	651-DC025	649-DC025
32	654-DC032	656-DC032	652-DC032	653-DC032	651-DC032	649-DC032
38	654-DC038	656-DC038	652-DC038	653-DC038	651-DC038	649-DC038
50	654-DC050	656-DC050	652-DC050	653-DC050	651-DC050	649-DC050
65	654-DC065	656-DC065	652-DC065	653-DC065	651-DC065	-
75	654-DC075	656-DC075	652-DC075	653-DC075	651-DC075	649-DC075
100	654-DC100	656-DC100	652-DC100	653-DC100	651-DC100	-
125	654-DC125	-	652-DC125	653-DC125	-	-
150	654-DC150	656-DC150	652-DC150	653-DC150	-	-
200	-	650-DC200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium



"DP"

DUST PLUG MALE

Size	Shyang Die Cast Aluminium Part Number	WAM Gravity Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number	WAM Polyprop Part Number	Shyang Polyprop Part Number
12	-	-	-	653-DP012	-	-
20	654-DP020	656-DP020	652-DP020	653-DP020	651-DP020	649-DP020
25	654-DP025	656-DP025	652-DP025	653-DP025	651-DP025	649-DP025
32	654-DP032	656-DP032	652-DP032	653-DP032	651-DP032	649-DP032
38	654-DP038	656-DP038	652-DP038	653-DP038	651-DP038	649-DP038
50	654-DP050	656-DP050	652-DP050	653-DP050	651-DP050	649-DP050
65	654-DP065	656-DP065	652-DP065	653-DP065	651-DP065	-
75	654-DP075	656-DP075	652-DP075	653-DP075	651-DP075	649-DP075
100	654-DP100	656-DP100	652-DP100	653-DP100	651-DP100	-
125	654-DP125	-	652-DP125	653-DP125	-	-
150	654-DP150	656-DP150	652-DP150	653-DP150	-	-
200	-	650-DP200*	-	-	-	-

*Note: 200mm Camlocks are Mil Spec Aluminium

NPT CAMLOCKS



"A"

ADAPTOR MALE
x NPT FEMALE
THREAD



"B"

COUPLER
FEMALE x NPT
MALE THREAD

Size	Shyang Die Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number
20	657-A1020	-	659-A1020
25	657-A1025	-	659-A1025
32	657-A1032	655-A1032	659-A1032
38	657-A1038	655-A1038	659-A1038
50	657-A1050	655-A1050	659-A1050
65	657-A1065	655-A1065	659-A1065
75	657-A1075	655-A1075	659-A1075
100	657-A1100	655-A1100	659-A1100
125	657-A1125	655-A1125	659-A1125
150	657-A1150	655-A1150	659-A1150

Size	Shyang Die Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number
20	657-B3020	-	659-B3020
25	657-B3025	-	659-B3025
32	657-B3032	655-B3032	659-B3032
38	657-B3038	655-B3038	659-B3038
50	657-B3050	655-B3050	659-B3050
65	657-B3065	655-B3065	659-B3065
75	657-B3075	655-B3075	659-B3075
100	657-B3100	655-B3100	659-B3100
125	657-B3125	655-B3125	659-B3125
150	657-B3150	655-B3150	659-B3150



"D"

COUPLER FEMALE
X NPT FEMALE
THREAD



"F"

ADAPTOR MALE X
NPT MALE
THREAD

Size	Shyang Die Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number
20	657-D2020	-	659-D2020
25	657-D2025	-	659-D2025
32	657-D2032	655-D2032	659-D2032
38	657-D2038	655-D2038	659-D2038
50	657-D2050	655-D2050	659-D2050
65	657-D2065	655-D2065	659-D2065
75	657-D2075	655-D2075	659-D2075
100	657-D2100	655-D2100	659-D2100
125	657-D2125	655-D2125	659-D2125
150	657-D2150	655-D2150	659-D2150

Size	Shyang Die Cast Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number
20	657-F1020	-	659-F1020
25	657-F1025	-	659-F1025
32	657-F1032	655-F1032	659-F1032
38	657-F1038	655-F1038	659-F1038
50	657-F1050	655-F1050	659-F1050
65	657-F1065	655-F1065	659-F1065
75	657-F1075	655-F1075	659-F1075
100	657-F1100	655-F1100	659-F1100
125	657-F1125	655-F1125	659-F1125
150	657-F1150	655-F1150	659-F1150

REDUCING CAMLOCKS



"RA" REDUCING ADAPTOR MALE
X REDUCING FEMALE BSP THREAD

Size Male x Fem BSP	WAM Mil Spec Aluminium Part Number
50 x 32	650-RA5032
50 x 38	650-RA5038
65 x 38	650-RA6538
65 x 50	650-RA6550
75 x 50	650-RA7550
75 x 65	650-RA7565
100 x 75	650-RA1075



"RB" REDUCING COUPLER
X REDUCING MALE BSP THREAD

Size Female x Male BSP	WAM Mil Spec Aluminium Part Number
50 x 38	650-RB5038
65 x 50	650-RB6550
75 x 38	650-RB7538
75 x 50	650-RB7550
75 x 65	650-RB7565
100 x 75	650-RB1075



"RC" REDUCING COUPLER
X HOSETAIL

Size Female x Hosetail	WAM Mil Spec Aluminium Part Number
50 x 38	650-RC5038
65 x 50	650-RC6550
75 x 50	650-RC7550
75 x 65	650-RC7565
100 x 50	650-RC1050
100 x 65	650-RC1065
100 x 75	650-RC1075



"RD" REDUCING COUPLER
X REDUCING FEMALE BSP THREAD

Size Female x Fem BSP	WAM Mil Spec Aluminium Part Number
50 x 38	650-RD5038
65 x 50	650-RD6550
75 x 65	650-RD7565



"RF" REDUCING ADAPTOR MALE
X REDUCING FEMALE BSP THREAD

Size Male x Male BSP	WAM Mil Spec Aluminium Part Number
50 x 38	650-RF5038
65 x 38	650-RF6538
65 x 50	650-RF6550
75 x 38	650-RF7538
75 x 50	650-RF7550
75 x 65	650-RF7565
100 x 75	650-RF1075



"RE" ADAPTOR MALE
X REDUCING HOSETAIL

Size Male Cam x Hosetail	WAM Mil Spec Aluminium Part Number
38 x 32	650-RE3832
50 x 38	650-RE5038
65 x 50	650-RE6550
75 x 50	650-RE7550
75 x 65	650-RE7565
100 x 65	650-RE1065
100 x 75	650-RE1075

CAMLOCKS



"DL"

DUST CAP
LOCKING



"AA"

DOUBLE
MALE
ADAPTOR



"HJ"

HOSE
JOINERS

Size	WAM Mil Spec Aluminium Part Number
25	650-DL025
32	650-DL032
38	650-DL038
50	650-DL050
65	650-DL065
75	650-DL075
100	650-DL100

Size	WAM Mil Spec Aluminium Part Number	Shyang Sand Cast Bronze Part Number	Shyang Lost Wax Stainless Part Number
20	-	652-AA020	653-AA020
25	650-AA025	652-AA025	653-AA025
32	650-AA032	652-AA032	653-AA032
38	650-AA038	652-AA038	653-AA038
50	650-AA050	652-AA050	653-AA050
65	650-AA065	652-AA065	653-AA065
75	650-AA075	652-AA075	653-AA075
100	650-AA100	652-AA100	653-AA100

Size	WAM Mil Spec Aluminium Part Number
25	650-HJ025
32	650-HJ032
38	650-HJ038
50	650-HJ050
65	650-HJ065
75	650-HJ075
100	650-HJ100
150	650-HJ150



"FA"

FLANGED
ADAPTOR
UNDRILLED



"FC"

FLANGED COUPLER
UNDRILLED



"BC"

COUPLER FEMALE
X 68 DEG HOSETAIL



"EC"

COUPLER FEMALE
X 90 DEG HOSTAIL

Size	WAM Mil Spec Aluminium Part Number	Lost Wax Stainless Table ANSI 150 Part Number	Lost Wax Stainless Table D/E Part Number
25	650-FA025	653-FA025	653-FA025D/E
32	650-FA032	-	-
38	650-FA038	653-FA038	653-FA038D/E
50	650-FA050	653-FA050	653-FA050D/E
65	650-FA065	653-FA065	653-FA065D/E
75	650-FA075	653-FA075	653-FA075D/E
100	650-FA100	653-FA100	653-FA100E
125	-	-	653-FA125D/E
150	650-FA150	653-FA150	653-FA150E

Size	WAM Mil Spec Aluminium Part Number
25	650-FC025
32	650-FC032
38	650-FC038
50	650-FC050
65	650-FC065
75	650-FC075
100	650-FC100

Size	WAM Mil Spec Aluminium Part Number
50	650-BC050
65	650-BC065
75	650-BC075
100	650-BC100

Size	WAM Mil Spec Aluminium Part Number
50	650-EC050
65	650-EC065
75	650-EC075
100	650-EC100

CAMLOCKS



"AA" DOUBLE ADAPTOR MALE
X ADAPTOR REDUCING

Size	WAM Mil Spec Aluminium Part Number
32 x 38	650-AA3238
50 x 65	650AA5065
50 x 75	650-AA5075
50 x 100	650-AA5010
65 x 75	650-AA6575
65 x 100	650-AA6510
75 x 100	650-AA7510



"FM" FEMALE COUPLER
X REDUCING MALE ADAPTOR

Size Fem Cam x Male Cam	WAM Mil Spec Aluminium Part Number
50 x 75	650-FM5075
50 x 100	650-FM5010
75 x 50	650-FM7550
75 x 65	650-FM7565
75 x 100	650-FM7510
100 x 50	650-FM1050
100 x 65	650-FM1065
100 x 75	650-FM1075
150 x 100	650-FM9590



"HA" HYDRANT ADAPTOR
MALE X FEMALE BSP THREAD

Size Male Cam x Fem BSP	WAM Mil Spec Aluminium Part Number
50 x 50	650-HA050
65 x 50	650-HA6550
75 x 50	650-HA7550
75 x 75	650-HA075



"X28"
WELD ON HOSTAIL

Size	WAM Mil Spec Aluminium Part Number
25	X28-025
32	X28-032
38	X28-038
50	X28-050
65	X28-065
80	X28-080
100	X28-100



"TB"
THREADED 90 DEG HOSETAIL

Size	WAM Mil Spec Aluminium Part Number
38	650-TB038
50	650-TB050
65	650-TB065
75	650-TB075
100	650-TB100



"LE" MALE BSP X HOSETAIL

Size	WAM Polyprop Part Number
20	651-LE020
25	651-LE025
32	651-LE032
38	651-LE038
50	651-LE050
65	651-LE065
80	651-LE080
100	651-LE100

SCROLL TAIL CAMLOCKS



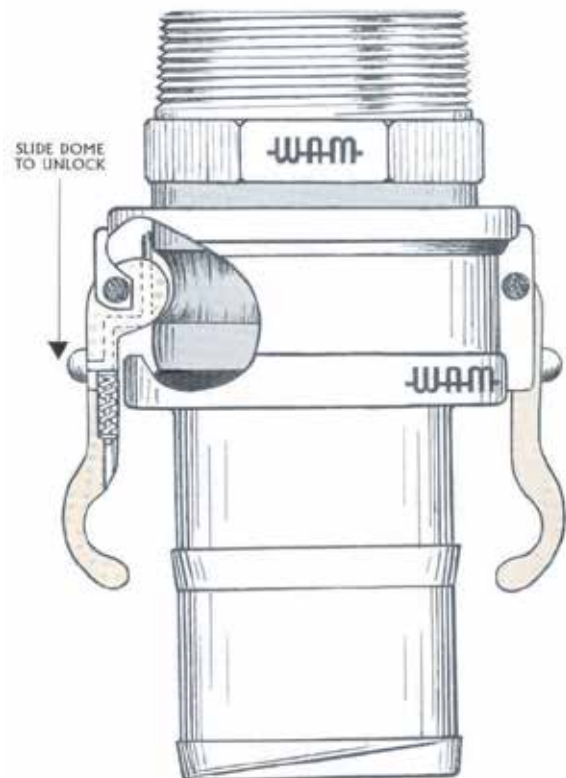
Size	Aluminium Ferrule Part Number	Ferrule Seal Part Number
50	920W-050	920WS-050
65	920W-065	920WS-065
75	920W-075	920WS-075
100	920W-100	920WS-100

Size	WAM Mil Spec Aluminium Type C Part Number	WAM Mil Spec Aluminium Type BC Part Number	WAM Mil Spec Aluminium Type E Part Number	WAM Mil Spec Aluminium Vapour Lock Part Number
50	640-C9050	640-BC050	640-E2050	-
65	640-C9065	640-BC065	640-E2065	-
75	640-C9075	640-BC075	640-E2075	-
100	640-C9100	640-BC100	640-E2100	640-C9100VL

WAM LOCK

1. Automatic locking when lever is closed
2. Simple one action opening
3. Will not half open, allowing spillage
4. Compact snag-free design
5. Exposed mechanism makes easy inspection & cleaning
6. No protrusion on lever or coupler to be damaged in service
7. Economical effective method of converting a standard coupling into a locking coupling

Size	Bronze Locking Lever Part Number
32-65	652-LL050
75-100	652-LL100



CAMLOCK ACCESSORIES



"CP" CAMLOCK PINS

Size	Stainless Steel Part Number
12-20	653-CP020
25	653-CP025
32-65	653-CP050
75-125	653-CP100
150-200	653-CP150



"LK" LOCKING LEVERS

Size	Bronze Part Number
25	652-LK025
32	652-LK032
38-50	652-LK050
65	652-LK065
75	652-LK075
100	652-LK100



"CL" CAMLOCK LEVERS

Size	Stainless Steel Part Number	Bronze Part Number
12-20	653-CL020	652-CL020
25	653-CL025	652-CL025
32-65	653-CL050	652-CL050
75-125	653-CL100	652-CL100
150-200	653-CL150	652-CL150



Silicone



Buna



Viton



EPDM/Hypalon



Teflon

"WS"/"WB"/"WV"/"WE"/"WH"/"WT" CAMLOCK WASHERS

Size	Silicone Part Number	Buna Part Number	Viton Part Number	EPDM Part Number	Hypalon Part Number	Teflon Part Number
12	650-WS012	650-WB012	650-WV012*	650-WE012	650-WH012	650-WT012
20	650-WS020	650-WB020	650-WV020*	650-WE020	650-WH020	650-WT020
25	650-WS025	650-WB025	650-WV025*	650-WE025	650-WH025	650-WT025
32	650-WS032	650-WB032	650-WV032*	650-WE032	650-WH032	650-WT032
38	650-WS038	650-WB038	650-WV038G	650-WE038	650-WH038	650-WT038
50	650-WS050	650-WB050	650-WV050G	650-WE050	650-WH050	650-WT050
65	650-WS065	650-WB065	650-WV065G	650-WE065	650-WH065	650-WT065
75	650-WS075	650-WB075	650-WV075G	650-WE075	650-WH075	650-WT075
100	650-WS100	650-WB100	650-WV100G	650-WE100	650-WH100	650-WT100
125	650-WS125	650-WB125	650-WV125G	650-WE125	-	650-WT125
150	650-WS150	650-WB150	650-WV150G	650-WE150	650-WH150	650-WT150

* Viton Washers 12mm to 32mm are black in colour.

ALI SCREWED FITTINGS



"X01" HEX NIPPLE

Size	Part Number
10	X01-010
12	X01-015
25	X01-025
32	X01-032
38	X01-040
50	X01-050
65	X01-065
75	X01-080
100	X01-100
150	X01-150



"X02"
REDUCING NIPPLE

Size	Part Number
20 x 12	X02-2015
25 x 12	X02-2515
38 x 32	X02-4032
50 x 25	X02-5025
50 x 32	X02-5032
50 x 38	X02-5040
65 x 25	X02-6525
65 x 32	X02-6532
65 x 50	X02-6550
75 x 50	X02-8050
75 x 65	X02-8065
100 x 50	X02-9050
100 x 65	X02-9065
100 x 75	X02-9080



"X03" SOCKET

Size	Part Number
6	X03-006
10	X03-010
12	X03-015
20	X03-020
25	X03-025
32	X03-032
38	X03-040
50	X03-050
65	X03-065
75	X03-080
100	X03-100



"X04"
REDUCING SOCKET

Size	Part Number
20 x 12	X04-2015
25 x 12	X04-2515
25 x 20	X04-2520
32 x 20	X04-3220
32 x 25	X04-3225
38 x 25	X04-4025
38 x 32	X04-4032
50 x 25	X04-5025
50 x 32	X04-5032
50 x 38	X04-5040
65 x 25	X04-6525
65 x 32	X04-6532
65 x 38	X04-6540
65 x 50	X04-6550
75 x 38	X04-8040
75 x 50	X04-8050
75 x 65	X04-8065
100x 50	X04-9050
100x 65	X04-9065
100x 75	X04-9080



"X05"
REDUCING BUSH

Size	Part Number
20 x 12	X05-2015
25 x 12	X05-2515
25 x 20	X05-2520
32 x 20	X05-3220
32 x 25	X05-3225
38 x 25	X05-4025
38 x 32	X05-4032
50 x 25	X05-5025
50 x 32	X05-5032
50 x 38	X05-5040
65 x 25	X05-6525
65 x 32	X05-6532
65 x 38	X05-6540
65 x 50	X05-6550
75 x 38	X05-8040
75 x 50	X05-8050
75 x 65	X05-8065
100 x 50	X05-9050
100 x 65	X05-9065
100 x 75	X05-9080



"X21"
MALE BSP X HOSETAIL

Size	WAM Mil Spec Aluminium Part Number
20	X21-020
25	X21-025
32	X21-032
38	X21-040
50	X21-050
65	X21-065
75	X21-080
100	X21-100
150	X21-150



"X21" MALE BSP X
REDUCING HOSETAIL

Size BSP x Hosetail	WAM Mil Spec Aluminium Part Number
20 x 25	X21-2025
25 x 32	X21-2532
32 x 25	X21-3225
32 x 38	X21-3240
38 x 50	X21-4050
50 x 65	X21-5065
50 x 80	X21-5080
50 x 100	X21-5090
65 x 75	X21-6580
65 x 100	X21-6590
75 x 90	X21-8090



"X23" SCREWED
FLANGE UNDRILLED

Size	Part Number
25	X23-025
32	X23-032
38	X23-040
50	X23-050
65	X23-065
75	X23-080
100	X23-100
150	X23-150



MILD
STEEL



MARINE



MINING



AUTOMOTIVE



AGRICULTURE



STAINLESS
STEEL



HOSE CLAMPS

- 18... **NORMACLAMP® TORRO WORM DRIVE**
- 19... **BREEZE® POWERSEAL SLOTTED CLAMP**
- 19... **BREEZE® MERCHANDISING KITS**
- 20... **NORMA® MERCHANDISING KITS**
- 21... **NORMA® GBS HEAVY DUTY CLAMPS**
- 22... **GBS HEAVY DUTY CLAMP ACCESSORIES**
- 22... **AUTOMOTIVE CLAMPS**
- 23... **ASSORTED NORMA® PRODUCTS**
- 23... **NORMETTA® WORM DRIVE BANDING SYSTEM**
- 24... **NORMA® OETIKER O'CLIPS & TOOL**
- 25... **NORMA® COBRA CLIPS & HAND TOOL**
- 26... **BANDIMEX BANDING & BUCKLES**
- 27... **BANDIMEX PREFORMED CLAMPS & TOOLS**
- 28... **NORMAFIX® RETAINING CLIPS**
- 29... **NORMAFIX® FIXING CLIPS**
- 30... **NORMACONNECT® PIPE COUPLINGS**
- 31... **NORMA® HIGH TORQUE CLAMPS**
- 31... **NORMA® CONSTANT TENSION HIGH TORQUE CLAMP**
- 31... **NORMA® QUICK RELEASE CLAMPS**
- 32... **NORMAPLAST® PLASTIC CONNECTORS**



All dimensions and weights are nominal and subject to change without notice.

NORMACLAMP® TORRO® WORM DRIVE



NORMACLAMP® TORRO® worm drive hose clamps are designed to meet industry expectations, featuring a smooth band with rolled edges for maximum hose protection & patented one piece offset housing, delivering optimum sealing performance.

Diameter Range (mm)	Band Width	W1-Aluzinc Band & Housing, Screw, Mild Steel		W3 - Stainless Steel (430 Grade)		W5 - Stainless Steel (316 Grade)	
		W1 (Single) Product Code	W1 Pack Qty	W3 (Single) Product Code	W3 Pack Qty	W5 (Single) Product Code	W5 Pack Qty
8-12	7.5	721-0812	10	722-0812	10	-	-
10-16	7.5	721-1016	10	722-1016	10	-	-
8-16	9.0	721-0816	10	722-0816	10	727-0816	10
12-20	9.0	-	-	722-1220	10	727-1220	10
12-22	9.0	721-1222	10	-	-	-	-
16-27	12.0	721-1627	10	722-1627	10	727-1627	10
20-32	12.0	721-2032	10	722-2032	10	727-2032	10
25-40	12.0	721-2540	10	722-2540	10	727-2540	10
30-45	12.0	721-3045	10	722-3045	10	727-3045	10
35-50	12.0	721-3550	10	722-3550	10	727-3550	10
40-60	12.0	721-4060	10	722-4060	10	727-4060	10
50-70	12.0	721-5070	10	722-5070	10	727-5070	10
60-80	12.0	721-6080	10	722-6080	10	727-6080	10
70-90	12.0	721-7090	10	722-7090	10	727-7090	10
80-100	12.0	721-8010	10	722-8010	10	727-8010	10
90-110	12.0	721-9011	10	722-9011	10	727-9011	10
100-120	12.0	721-9112	5	722-9112	5	727-9112	5
110-130	12.0	721-9113	5	722-9113	5	727-9113	5
120-140	12.0	721-9114	5	722-9114	5	727-9114	5
130-150	12.0	721-9115	5	722-9115	5	727-9115	5
140-160	12.0	721-9116	5	722-9116	5	727-9116	5
150-170	12.0	721-9117	5	722-9117	5	727-9117	5
160-180	12.0	721-9118	5	722-9118	5	727-9118	5
180-200	12.0	721-9200	5	722-9200	5	727-9200	5
190-210	12.0	721-9210	5	722-9210	5	-	-
210-230	12.0	721-9230	5	722-9230	5	727-9230	5
230-250	12.0	721-9250	5	722-9250	5	727-9250	5
260-280	12.0	721-9280	5	722-9280	5	727-9280	5
280-300	12.0	721-9300	5	722-9300	5	727-9300	5

BREEZE® SLOTTED CLAMP

BREEZE® slotted band worm drive hose clamps are designed to meet a wide range of industrial and Automotive applications. The slotted stainless steel band is very flexible and offers an extended size range, and low free torque for ease of installation.



		W4 - All 300 Series Stainless Steel	
Diameter Range (mm)	Band Width	Product Code	W4 Pack Qty
5.6-16	8mm	718-SS004	10
11-20	8mm	718-SS006	10
13-23	12mm	718-SS008	10
14-27	12mm	718-SS010	10
17-32	12mm	718-SS012	10
21-38	12mm	718-SS016	10
21-44	12mm	718-SS020	10
27-51	12mm	718-SS024	10
33-57	12mm	718-SS028	10
40-64	12mm	718-SS032	10
46-70	12mm	718-SS036	10
52-76	12mm	718-SS040	5
59-83	12mm	718-SS044	5
65-89	12mm	718-SS048	5
71-95	12mm	718-SS052	5
78-102	12mm	718-SS056	5
91-114	12mm	718-SS060	5
48-127	12mm	718-SS072	5
92-165	12mm	718-SS096	5
105-178	12mm	718-SS104	5
143-216	12mm	718-SS128	5
181-254	12mm	718-SS152	5
238-311	12mm	718-SS311	5

MERCHANDISING KITS

NORMA® FLEXIDRIVER:



Clamp flexidriver with flexible shaft.
Suits hex head screw on worm drive

Description	Product Code
6mm & 7mm hex	724-0000
1/4" & 5/16" Hex	724-0000-2
7mm Hex	724-0000-3
New Long Driver	730-0000-4



BREEZE® SLOTTED BAND CLAMP

General purpose contains 108 clamps. W2* Grade.
Sizes: 9-14, 6-16, 8-22, 13-27, 13-32, 26-50, 34-57,

Product Code	720-0021
--------------	----------

*Also available in W4

NORMA® MERCHANDISING KITS



WALL DISPENSER:

Contains 140 hose clips. From 8-12 through 60-80mm. 9mm band with W2 material.

Product Code
720-0025

Band Width	Clamp Range	Qty
9	8-12	12
9	8-16	12
9	12-20	12
9	16-25	20
9	20-32	12
9	25-40	12
9	30-45	12
9	32-50	12
9	40-60	12
9	50-70	12
9	60-80	12
SW7	F/Driver	1



Contains 100 popular clamps plus Flexi driver tool.



GRAB KIT W1

Band Width	Clamp Range	Qty
7.5	10-16	10
9	9-11 Fuel	10
9	11-13 Fuel	10
9	8-16	12
9	12-22	10
12	16-25	10
12	20-32	8
12	25-40	10
12	32-50	10
12	40-60	10
SW6/7	Flexidriver	1

GRAB KIT W3

Band Width	Clamp Range	Qty
9	9-11 Fuel	10
9	11-13 Fuel	10
9	8-12	10
9	10-16	10
9	12-20	10
12	16-27	10
12	20-32	10
12	25-40	10
12	35-50	10
12	40-60	10
SW7	Flexidriver	1

Description	Product Code
Grab Kit W1 Zinc	720-0017
Grab Kit W3 S/S	720-0018



WALL DISPENSER:

Contains 135 hose clips from 8mm through to 60mm. 9 & 12mm bandwidth.

W1 Contents:

Band Width	Clamp Range	Qty
9	8-12	20
9	10-16	20
9	12-20	20
12	16-27	15
12	20-32	15
12	25-40	15
12	35-50	15
12	40-60	15

W3 Contents:

Band Width	Clamp Range	Qty
7.5	10-16	20
9	8-16	20
9	12-20	20
12	16-27	15
12	20-32	15
12	25-40	15
12	32-50	15
12	40-60	15

Description	Product Code
Wall Dispenser W1 Zinc	720-0022
Wall Dispenser W3 S/S	720-0002



NORMACLAMP® TORRO® 'SPACE SAVER' WALL DISPENSER:

New design taking up 1/2 the space of traditional displays. Contains 130 clips from 8mm to 60mm in W1 & W3 material.

W1 Contents:

Band Width	Clamp Range	Qty
9	8-12	20
9	10-16	20
9	12-22	20
12	16-27	30
12	20-32	10
12	25-40	10
12	35-50	10
12	40-60	10
SW7	F/Driver	2

W3 Contents:

Band Width	Clamp Range	Qty
9	8-16	30
9	12-20	30
12	16-25	30
12	20-32	10
12	25-40	10
12	32-50	10
12	40-60	10
SW7	F/Driver	2

Description	Product Code
Space Saver W1 Zinc	720-0006
Space Saver W3 S/S	720-0007

NORMACLAMP® GBS HEAVY DUTY



NORMACLAMP® GBSM Heavy Duty Bolt Clamps are built for those applications where a high strength clamp is required. The band delivers a firm but gentle grip on tough industrial hoses. These tough and robust clamps provide excellent sealing efficiency, great flexibility and conformance to shape yet good hose protection.

Diameter Range (mm)	Band Width	W1-Aluzinc Band & Bridge.		W2 Stainless Steel Band & Bridge (Grade 430) Bolt & Fittings Mild Steel Clear.		W4 - Stainless Steel (304 Grade)	
		W1 (Single) Product Code	W1 Pack Qty	W2 (Single) Product Code	W2 Pack Qty	W4 (Single) Product Code	W4 Pack Qty
17-19	18.0	702-019	50	700-019	50	701-019	50
19-21	18.0	702-021	50	700-021	50	701-021	50
21-23	18.0	702-023	50	700-023	50	701-023	50
23-25	18.0	702-025	50	700-025	50	701-025	50
25-27	18.0	702-027	50	700-027	50	701-027	50
27-29	18.0	702-029	50	700-029	50	701-029	50
29-31	18.0	702-031	50	700-031	50	701-031	50
31-34	18.0	702-034	50	700-034	50	701-034	50
34-37	18.0	702-037	50	700-037	50	701-037	50
37-40	18.0	702-040	50	700-040	50	701-040	50
40-43	18.0	702-043	50	700-043	50	701-043	50
43-47	20.0	702-047	50	700-047	50	701-047	50
47-51	20.0	702-051	50	700-051	50	701-051	50
51-55	20.0	702-055	50	700-055	50	701-055	50
55-59	20.0	702-059	50	700-059	50	701-059	50
59-63	20.0	702-063	50	700-063	50	701-063	50
63-68	20.0	702-068	50	700-068	50	701-068	50
68-73	25.0	702-073	25	700-073	25	701-073	25
73-79	25.0	702-079	25	700-079	25	701-079	25
79-85	25.0	702-085	25	700-085	25	701-085	25
85-91	25.0	702-091	25	700-091	25	701-091	25
91-97	25.0	702-097	25	700-097	25	701-097	25
97-104	25.0	702-104	25	700-104	25	701-104	25
104-112	25.0	702-112	25	700-112	25	701-112	25
112-121	25.0	702-121	25	700-121	25	701-121	25
121-130	25.0	702-130	25	700-130	25	701-130	25
130-140	30.0	702-140	10	700-140	10	701-140	10
140-150	30.0	702-150	10	700-150	10	701-150	10
150-162	30.0	702-162	10	700-162	10	701-162	10
162-174	30.0	702-174	10	700-174	10	701-174	10
174-187	30.0	702-187	10	700-187	10	701-187	10
187-200	30.0	702-200	10	700-200	10	701-200	10
200-213	30.0	702-213	10	700-213	10	701-213	10
213-226	30.0	702-226	10	700-226	10	701-226	10
226-239	30.0	702-239	10	700-239	10	701-239	10
239-252	30.0	702-252	10	700-252	10	701-252	10
252-265	30.0	-	-	-	-	701-265	10
265-278	30.0	-	-	-	-	701-278	10
278-291	30.0	-	-	-	-	701-291	10
292-304	30.0	-	-	-	-	701-304	10

NORMACLAMP® GBS HEAVY DUTY



NORMACLAMP® GBS CLAMP DISPENSER:

Contains 75 GBS clamps.
Standard sizes: and quantities
18-4, 22-4, 28-4, 30-4, 33-4, 36-4,
39-4, 42-4, 45-4, 49-4, 53-4, 57-4,
61-4, 66-4, 71-4, 76-3, 82-3, 88-3,
108-3, 117-3.

Metal grade	Product Code
W2	720-0024
W4	720-0014

AUTOMOTIVE CLAMPS



NORMACLAMP® CONSTANT TENSION WORM DRIVE WITH SPRING

With a built-in constant tension spring this clamp offers an automatic self adjusting feature and is therefore particularly suited to connecting cooling and heating hoses. Also 12mm bandwidth available for turbo and intercooler applications.

Product Code	Clamping Range (mm)	Banding (mm)
726-1220	12-20	9
726-1625	16-25	9
726-2032	20-32	9
726-2540	25-40	9
726-3250	32-50	9
726-4060	40-60	9
726-5070	50-70	12
726-6080	60-80	12
726-7090	70-90	12
726-8010	80-100	12
726-9011	90-110	12



BREEZE® HI-TORQUE CLAMP WITH LINER

These clamps are designed to meet a wide range of industrial and automotive applications. The slotted stainless band is flexible and offers low free torque for ease of installation with an inner sleeve to cover the perforations.

Diameter Range (mm)	Product Code	Pack Qty
9-14	713-0914	10
11-18	713-1118	10
16-22	713-1622	10

NORMACLAMP® FUEL HOSE CLAMP KIT ASSORTMENT



Material	Product Code
Mild Steel	720-0016
Stainless	720-0027

Includes fuel clips in 7-9, 9-11, 11-13, & 13-15, 10-16 & 12-20.

NORMA® FUEL HOSE CLAMPS

NORMACLAMP® Fuel Line Clips feature a solid band with rolled edges that close to a perfect circle ensuring maximum sealing efficiency without damaging soft fuel hose in both high and low pressure applications. Mild Steel & Stainless



Diameter Range (mm)	Product Code	Pack Qty
7-9	724-0709	10
9-11	724-0911	10
10-12	724-1012	10
11-13	724-1113	10
12-14	724-1214	10
13-15	724-1315	10
14-16	724-1416	10
15-17	724-1517	10

ASSORTED NORMA® PRODUCTS

NORMACLAMP® SPRING CLAMP ASSORTMENT KIT

100 Piece constant tension worm drive clamp pack with flexidriver.



Product Code	730-0026
--------------	----------

Type	Size	Quantity
Fuel Clip	9-11	10
Fuel Clip	11-13	10
Hose Clip	10-16	10
Hose Clip	8-16	12
Spring Clip	12-20	10
Spring Clip	16-25	10
Spring Clip	20-32	8
Spring Clip	25-40	10
Spring Clip	32-50	10
Spring Clip	40-60	10
SW6/7	Flexidriver	1

NORMA® WORM DRIVE CLIPS WITH THUMB PLATE



These worm drive clamps come with a thumb plate for easy removal and installation in hard to reach places. They are constructed from stainless steel with the screw being composed of mild steel, zinc plated.

Product Code	Size
712-2335	23-35
712-3045	30-45

NORMA® WORM DRIVE BANDING SYSTEM

Continuous worm drive band & buckles. Quick release roll of continuous worm drive band, used in conjunction with buckles to make your own clamp of any size.

NORMETTA® WORM DRIVE BANDING

Product Code	Material	Band Width	Pack Qty
724-0004	M/S Zinc Plated	13mm	30m
724-0003	S/S (Grade 430)	13mm	30m



NORMETTA® BUCKLES FOR WORM DRIVE BANDING

Product Code	Material	To Suit Band	Pack Qty
724-0002	M/S Zinc Plated	13mm	50
724-0001	S/S (Grade 430)	13mm	50





OETIKER O'CLIPS

Oetiker 2 ear clamps are made from tube and are ideal for hose fastening in low and medium pressure applications and metal to metal connections. Fast and easy to fit with pincers. Available in Stainless (W4) and mild steel (W1).

Diameter Range (mm)	W1 Product Code	W1 Pack Qty	W4 Product Code	W4 Pack Qty Only
5-7	715-0507	100	715-0507R	100
7-9	715-0709	100	715-0709R	100
9-11	715-0911	100	715-0911R	100
11-13	715-1113	100	715-1113R	100
13-15	715-1315	100	715-1315R	100
15-17	715-1517	100	715-1517R	100
15-18	715-1518	100	715-1518R	100
16-19	715-1619	100	N/A	N/A
17-20	715-1720	100	715-1720R	100
19-22	715-1922	100	715-1922R	100
20-23	715-2023	100	715-2023R	100
22-25	715-2225	100	715-2225R	100
23-27	715-2327	100	715-2327R	100
25-28	715-2528	100	715-2528R	100
28-31	715-2831	100	715-2831R	100
31-34	715-3134	100	715-3134R	100
34-37	715-3437	100	715-3437R	100
40-43	715-4043	100	715-4043R	100
37-40	715-3740	100	715-3740R	100
43-46	715-4346	100	715-4346R	100



1 EAR STEP LESS CLAMPS

Mild steel, quick to fit and provide a 360° seal as the internal tongue glides under the ear during closure. This eliminates the sealing problems that can occur when using soft, hard and thin walled hose.

Diameter Range (mm)	W4 Product Code	W4 Pack Qty Only
7.3-9.0	714-0709	100
8.3-10.0	714-0810	100
9.2-10.9	714-0910	100
10.1-11.8	714-1011	100
10.3-12.8	714-1012	100
11.3-13.8	714-1113	100
12.3-14.8	714-1214	100
12.8-15.3	714-1215	100
13.2-15.7	714-1315	100
14.1-16.6	714-1416	100
14.5-17.0	714-1417	100
14.6-17.8	714-1418	100
15.3-18.5	714-1518	100
16.6-19.8	714-1619	100
19.4-22.6	714-1922	100
20.9-24.1	714-2024	100
23.9-27.1	714-2327	100
26.9-30.1	714-2630	100
28.4-31.6	714-2831	100

2 EAR CLAMP ASSORTED PACK

Range	Qty
7.0-9.0	20
9.0-11.0	20
11.0-13.0	20
13.0-15.0	20
15.0-18.0	20
17.0-20.0	20
20.0-23.0	20
23.0-27.0	10
Pincer	1



Product Code 720-0001

OETIKER TOOLS

Part No	Type
716-1098	Normal
716-1099	Side closing



NORMACLAMP® COBRA CLIPS

NORMACLAMP® COBRA - quick fit hose clips featuring a stainless steel band and low profile closure, that can be re-opened if required. Excellent clamp for tube and small hoses and ideally suited to irrigation, spraying, low pressure air, and fuel applications. Each size is colour coded for quick identification.

			W4 - Stainless Steel throughout (304 Grade)		
Reference Number	Diameter Range (mm)	Band Width	Color	Product Code	W4 Bulk Qty
C7.5	8-9	7.0	White	725-090	100
C8	8.5-9.5	7.0	Yellow	725-095	100
C8.5	9-10	7.0	Green	725-100	100
C9	9.5-10.5	7.0	Purple	725-105	100
C9.5	10-11	7.0	Black	725-110	100
C10	10.5-11.5	7.0	White	725-115	100
C10.5	11-12	7.0	Yellow	725-120	100
C11	11.5-12.5	7.0	Green	725-125	100
C11.5	12-13.5	8.0	Purple	725-135	100
C12	12.5-14	8.0	Black	725-140	100
C13	13.5-15	8.0	Yellow	725-150	100
C14	14.5-16	8.0	Purple	725-160	100
C15	15.5-17	8.0	White	725-170	100
C16	16.5-18	8.0	Green	725-180	100
C17	17.5-19	8.0	Black	725-190	100
C18	18.5-20	8.0	Yellow	725-200	100
C19	19.5-21	8.0	Purple	725-210	100
C20	20.5-22	8.0	White	725-220	100
C21	21.5-23	8.0	Green	725-230	100
C22	22.5-24	8.0	Black	725-240	100
C23	23.5-25	8.0	Yellow	725-250	100
C24	24.5-26	8.0	Purple	725-260	100
C25	25.5-27	8.0	White	725-270	100
C26	26.5-28	8.0	Green	725-280	100
C27	27.5-29	8.0	Black	725-290	100
C28	28.5-30	8.0	Yellow	725-300	100
C29	29.5-31	8.0	Purple	725-310	100
C30	30.5-32	8.0	White	725-320	100



**NORMACLAMP® COBRA
CLIP HAND TOOL**



Product Code	Description
725-000	Cobra Clip Hand Tool

**NORMACLAMP® COBRA
CCA240 ASSORTED KIT:**



240 pieces. Contains cobra sizes C7.5 to C24 plus plier.

Product Code	Description
720-0010	Assorted kit

NORMACONNECT® COBRA CLIPS TO FIT POLY PIPE SIZES

Product Code	REFERENCE NUMBER	SIZE(MM)	POLY PIPE DESCRIPTION
725-135	C11.5/8	12.0-13.5	10MM LDPE
725-170	C15/8	15.5-17.0	13MM LDPE
725-180	C16/8	16.5-18.0	DRIPMASTER, HYDRODRIP 1740
725-190	C17/8	17.5-19.0	16MM -5/8" LDPE
725-200	C18/8	18.5-20.0	HYDRODRIP PC2040
725-220	C20/8	20.5-22.0	19MM LDPE, DRIPMASTER 20
725-240	C22/8	22.5-24.0	DRIPLINE 2025
725-290	C27/8	27.5-29.0	25MM LDPE

Disclaimer: This information is a guide only.



BANDIMEX BANDING

Available in Type 201 or Type 316 stainless steel and with a full round edge, When added strength is needed, use a double wrap, threading the band through the buckle twice. Available in 30 metre rolls in boxes or new refillable plastic carry totes (product codes with * symbol).

BAND



Product Code	Metal Type	Width (mm)	Weight (Kg/roll)	Length (m/roll)
401-202	201SS	6.4	0.9	30
401-203	201SS	9.5	1.6	30
401-204	201SS	12.7	2.4	30
401-205	201SS	16.0	3.0	30
401-206	201SS	19.0	3.6	30
401-431	201SS Jumbo	25.4	6.4	30
401-432	201SS Jumbo	31.8	8.0	30
401-402	316SS	6.4	0.9	30
401-403	316SS	9.5	1.6	30
401-404	316SS	12.7	2.4	30
401-405	316SS	16.0	3.0	30
401-406	316SS	19.0	3.6	30
401-803*	201SS	9.5	-	30
401-804*	201SS	12.7	-	30
401-805*	201SS	16.0	-	30
401-806*	201SS	19.0	-	30

Bandimex stainless steel buckles are available in type 201 or 316 stainless steel and can accommodate a single or double wrap of band. Buckles have extremely high joint strength.

BUCKLES



Product Code	Metal Type	Width (mm)	Weight (Kg/box)	Quantity (per box)
402-252	201SS	6.4	0.1	100
402-253	201SS	9.5	0.4	100
402-254	201SS	12.7	1.0	100
402-255	201SS	16.0	1.1	100
402-256	201SS	19.0	1.7	100
402-440	201SS Jumbo	19.0	0.8	25
402-441	201SS Jumbo	25.0	1.1	25
402-442	201SS Jumbo	32.0	1.4	25
402-452	316SS	6.4	0.1	100
402-453	316SS	9.5	0.4	100
402-454	316SS	12.7	1.0	100
402-455	316SS	16.0	1.1	100
402-456	316SS	19.0	1.7	100

QUICK RELEASE



Product Code	Material	Use With Clamp Sizes	Pack Qty
408-124	Mild Steel/Zinc Plated	100-124	20
408-400	Mild Steel/Zinc Plated	125-400	20
408-800	Mild Steel/Zinc Plated	400-800	20

Bandimex screw-buckles are used in applications when a temporary clamp is desired or space limitations do not allow a tool roll-over. A screw locks the band after tensioning.



Product Code	Metal Type	Width (mm)	Weight (Kg/box)	Quantity (per box)
403-722	201SS	9.5	0.2	50
403-724	201SS	12.7	0.2	25
403-726	201SS	19.0	0.4	25

BANDIMEX PREFORMED CLAMPS & TOOLS

STANDARD CLAMPS



Double wrapped, pre-formed clamps require no hammering. They easily lock under full tension by one lifting movement. Apply the clamps with the Bandimex Tool and the Junior Adaptor or the Heavy Duty Adaptor.

Product Code	Metal Type	Diameter (mm)	Width (mm)	Quantity (per box)
404-240	201SS	19	6	100
404-201	201SS	21	10	100
404-242	201SS	25	6	100
404-243	201SS	25	10	100
404-202	201SS	35	10	100
404-203	201SS	25	13	100
404-204	201SS	32	13	100
404-241	201SS	35	6	100
404-252	201SS	38	6	100
404-205	201SS	38	16	100
404-236	201SS	45	13	100
404-206	201SS	45	16	100
404-245	201SS	48	10	100
404-207	201SS	51	16	100
404-208	201SS	57	16	100
404-209	201SS	64	16	100
404-230	201SS	70	13	100
404-210	201SS	70	19	50
404-246	201SS	76	10	100
404-211	201SS	76	19	50
404-212	201SS	89	19	50
404-213	201SS	102	19	25
404-214	201SS	114	19	25
404-215	201SS	127	19	25
404-216	201SS	152	19	25

BANDING TOOLS



Product Code	Description
401-001	Standard Tool

BANDIMEX JUMBO TOOL



Product Code	Description
401-002	Jumbo Tool

PRE FORM CUTTING ADAPTORS

HBJ-001
PART # 401-040



HBJ-050
PART # 401-050

Product Code	Description
401-040	Junior Adaptor
401-050	H/D Adaptor

NORMAFIX® RETAINING CLIPS

NORMAFIX® RETAINING CLIP

NORMAFIX® rubber lined pipe retaining clips provide the perfect vibration dampening support for hoses, cables, pipes etc. Available with a 6mm mounting hole, to suit different applications. Also available in Stainless Steel.



NORMAFIX® PIPE RETAINING CLIP ASSORTMENT

Product Code	Band Width	Clamping Range	Pack Qty
6mm MOUNTING			
705-1504	15.0	4	10
705-1506	15.0	6	10
705-1509	15.0	9	10
705-1510	15.0	10	10
705-1512	15.0	12	10
705-1513	15.0	13	10
705-1515	15.0	15	10
705-1516	15.0	16	10
705-1518	15.0	18	10
705-1519	15.0	19	10
705-1520	15.0	20	10
705-1522	15.0	22	10
705-1525	15.0	25	10
705-1527	15.0	27	10
705-1529	15.0	29	10
705-1532	15.0	32	10
705-1535	15.0	35	10
705-1538	15.0	38	10
705-1540	15.0	40	10
705-1545	15.0	45	5
705-1548	15.0	48	5
705-1550	15.0	50	5
705-1554	15.0	54	5
705-2057	20.0	57	5
705-2060	20.0	60	5
705-2064	20.0	64	5
705-2066	20.0	66	5
705-2076	20.0	76	5



RSGU90

Product Code	720-0012
--------------	----------

Clamping Range	Pack Qty
4.0	10
6.0	10
9.0	10
10.0	10
12.0	10
13.0	10
15.0	5
16.0	5
18.0	5
20.0	5
22.0	5
25.0	5



RSGU85

Product Code	720-0023
--------------	----------

Clamping Range	Pack Qty
9.0	15
10.0	10
13.0	10
16.0	10
19.0	10
22.0	10
27.0	10
32.0	10

NORMAFIX® FIXING CLIPS

NORMAFIX® FIXING CLAMPS

Product Code	Band Width	Clamping Range	Mounting Hole Diameter
TYPE 510 FOR 1 CONDUCTOR			
710-0104	10.0	4.0	4.8
710-0105	10.0	5.0	4.8
710-0106	10.0	6.0	4.8
710-0107	10.0	7.0	4.8
710-0108	10.0	8.0	4.8
710-0109	10.0	9.0	4.8
710-0110	10.0	10.0	4.8
710-0111	12.0	11.0	5.8
710-0112	12.0	12.0	5.8
710-0115	12.0	15.0	5.8
710-0116	12.0	16.0	5.8
710-0118	12.0	18.0	7.0
710-0120	12.0	20.0	7.0
710-0122	12.0	22.0	7.0
710-0124	12.0	24.0	7.0
TYPE 510 FOR 2 CONDUCTORS			
710-0204	10.0	4.0	4.8
710-0205	10.0	5.0	4.8
710-0206	10.0	6.0	4.8
710-0207	10.0	7.0	4.8
710-0208	10.0	8.0	4.8
710-0210	10.0	10.0	4.8
710-0212	12.0	12.0	5.8
710-0215	12.0	15.0	5.8
TYPE 512 FOR 1 CONDUCTOR			
711-0104	10.0	4.0	4.8
711-0105	10.0	5.0	4.8
711-0106	10.0	6.0	4.8
711-0107	10.0	7.0	4.8
711-0108	10.0	8.0	4.8
711-0110	10.0	10.0	4.8
711-0112	12.0	12.0	5.8
711-0115	12.0	15.0	5.8
711-0118	12.0	18.0	7.0
711-0120	12.0	20.0	7.0
711-0122	12.0	22.0	7.0
TYPE 512 FOR 2 CONDUCTORS			
711-0205	10.0	5.0	4.8
711-0206	10.0	6.0	4.8
711-0207	10.0	7.0	4.8
711-0208	10.0	8.0	4.8
711-0210	10.0	10.0	4.8
711-0212	12.0	12.0	5.8
711-0218	12.0	18.0	5.8
711-0215	12.0	15.0	7.0
711-0220	12.0	20.0	7.0
711-0222	12.0	22.0	7.0

Suitable for retaining of conductors such as cables, conduits, pipes, hoses, etc. Also available in 3,4 & 5 conductors.



Pipes and cables can be mounted quickly and easily onto buildings using NORMAFIX® BS fixing clips. They are suitable for any sector of industry where an economic and secure mounting is required.



NORMACONNECT® FGR PIPE COUPLINGS

NORMACONNECT® pipe couplings are used for connecting plain-ended thick and thin wall pressure pipes. Pipe materials include metal/metal, plastic/plastic or metal/plastic. NORMACONNECT® pipe couplings can be used for most fluid transport, gas, steam and freshwater supply and is a fast and efficient way of joining pipes. NORMA® couplings are made from 304 or 316 stainless steel and are available for pipe diameters starting at 26.9mm to over 1 metre.

Product Code NBR Seal	Product Code EPDM Seal	O.D (mm)	OD min - OD max (mm)	Nominal Pressure PN	Working Pressure (Bar)
728N-027	728E-027	26.9	26.4-27.4	16	64
728N-028	728E-028	28.0	27.5-28.5	16	64
728N-030	728E-030	30.0	28.6-30.5	16	64
728N-034	728E-034	33.7	31.0-34.2	16	64
728N-035	728E-035	35.0	34.5-35.5	16	40
728N-038	728E-038	38.0	35.6-38.5	16	40
728N-043	728E-043	42.4	39.5-42.9	16	40
728N-045	728E-045	44.5	43.0-45.0	16	40
728N-049	728E-049	48.3	46.0-48.8	16	40
728N-054	728E-054	54.0	53.6-54.9	16	40
728N-057	728E-057	57.0	55.0-57.6	16	40
728N-061	728E-061	60.3	58.0-60.9	16	40
728N-074	728E-074	73.0	72.6-74.0	16	40
728N-077	728E-077	76.1	74.0-76.9	16	40
728N-085	728E-085	84.0	82.0-85.0	16	30
728N-090	728E-090	88.9	87.0-89.8	16	30
728N-103	728E-103	101.6	101.0-102.9	16	30
728N-105	728E-105	104.0	102.9-105.1	16	30
728N-109	728E-109	108.0	106.9-109.1	16	30
728N-111	728E-111	110.0	109.0-111.0	16	28
728N-115	728E-115	114.3	112.0-115.4	16	28
728N-130	728E-130	129.0	127.8-130.2	16	20
728N-134	728E-134	133.0	131.7-134.3	16	20
728N-141	728E-141	139.7	138.3-141.1	16	20
728N-142	728E-142	141.6	138.3-142.0	16	20
728N-156	728E-156	154.0	152.4-155.6	16	20
728N-161	728E-161	159.0	157.4-160.6	16	20
728N-170	728E-170	168.3	166.6-170.0	16	20



Further sizes available on request from OD 180.0 to 609.6mm. Subject to technical changes.

The type FGR series NORMACONNECT® pipe couplings are supplied in two different variations of material, W4 and W5. The sealing sleeve is available in either EPDM or NBR. Other NORMACONNECT® pipe couplings available are FLEX COUPLING, COMBI GRIP COUPLING and the PLASTIC GRIP COUPLING.

Component	W4 AISI/ASTM	W5 AISI/ASTM
Housing	304	316Ti
Bolts	316L	316L
Bars	304	316
Anchoring Ring	301	301
Strip Insert	316Ti Grivory	316Ti Grivory

	EPDM	NBR
Temperature Range	< 168,3 mm: -30° to +125°C > 180 mm: -20° to +80°C	-20° to +80°C
Medium	Water Aqueous acids Aqueous alkalines Alcohols Compressed air	Water, seawater Lubricants Mineral oils Fuel, gas Compressed air

NORMACLAMP® HD HIGH TORQUE CLAMPS



NORMACLAMP® all stainless high torque clamp is the strongest clamp in the NORMA® range. It is ideally suited to heavy duty and high pressure applications where a very high tightening torque is required.

W4: Stainless steel through (304)

Product Code	Clamping Range
723-045	25-45mm
723-054	32-54mm
723-067	45-67mm
723-079	57-79mm
723-092	70-92mm
723-105	83-105mm
723-118	95-118mm
723-130	108-130mm

Product Code	Clamping Range
723-143	121-143mm
723-156	133-156mm
723-168	146-168mm
723-181	159-181mm
723-194	172-194mm
723-206	184-206mm
723-219	197-219mm
723-232	210-232mm

BREEZE® CONSTANT TENSION HIGH TORQUE CLAMPS



Product Code	Clamping Range
723-CT200	32-54mm
723-CT250	45-67mm
723-CT300	57-79mm
723-CT350	70-92mm
723-CT400	83-105mm
723-CT450	95-118mm
723-CT500	108-130mm
723-CT550	121-143mm
723-CT600	133-156mm
723-CT650	146-168mm
723-CT700	159-181mm
723-CT750	172-194mm
723-CT800	184-206mm
723-CT850	197-219mm
723-CT900	210-232mm

NORMACLAMP® QUICK RELEASE CLAMPS



The screw lifts back for fast band release allowing the clamp to be passed around an object for fast fit and removal. Each clamp offers an extended clamping range and is suitable for mounting signs, ducting, hoses, etc.

Product Code (W4)	Clamping Range
729-072	51-130mm
729-088	51-152mm
729-104	51-176mm
729-116	51-197mm
729-128	60-215mm
729-152	60-254mm
729-188	60-311mm

NORMAPLAST® CONNECTORS



Size Hosetail	Joiner	Hosetail Tee	Hosetail Elbow	Hosetail "Y"	Hosetail Cross
	Product Code	Product Code	Product Code	Product Code	Product Code
3mm	660-0003	661-0003	662-0003	663-0003	-
4mm	660-0004	661-0004	662-0004	663-0004	664-0004
5mm	660-0005	661-0005	662-0005	663-0005	664-0005
6mm	660-0006	661-0006	662-0006	663-0006	664-0006
7mm	-	661-0007	-	-	-
8mm	660-0008	661-0008	662-0008	663-0008	-
10mm	660-0010	661-0010	662-0010	663-0010	-
12mm	660-0012	661-0012	662-0012	663-0012	664-0012
13mm	660-0013	661-0013	662-0013	663-0013	-
14mm	660-0014	661-0014	662-0014	663-0014	-
15mm	-	661-0015	662-0015	-	-
16mm	660-0016	661-0016	662-0016	663-0016	-
19mm	660-0020	661-0020	662-0020	663-0020	-
25mm	660-0025	661-0025	662-0025	-	-
3mm x 4mm	-	661-0304	-	-	-
4mm x 3mm	660-0403	-	-	-	-
4mm x 6mm	-	661-0406	-	663-0406	-
6mm x 4mm	660-0604	661-0604	-	-	-
6mm x 8mm	-	-	-	663-0608	-
8mm x 4mm	660-0804	661-0804	-	-	-
8mm x 6mm	660-0806	661-0806	-	-	-
10mm x 6mm	660-1006	661-1006	-	-	-
10mm x 8mm	660-1008	661-1008	-	-	-
10mm x 13mm	-	661-1013	-	-	-
12mm x 6mm	-	661-1206	-	-	-
12mm x 8mm	660-1208	661-1208	-	-	-
12mm x 10mm	660-1210	661-1210	-	-	-
15mm x 6mm	-	661-1506	-	-	-
15mm x 8mm	-	661-1508	-	-	-
8mm x 12mm	-	661-0812	-	-	-
18mm x 10mm	-	661-1810	-	-	-
18mm x 15mm	-	661-1815	-	-	-

Size	Threaded Hosetail	Threaded Tee	Threaded Elbow
	Product Code	Product Code	Product Code
4mm x 1/8"MBSP	665-0403	667-0403	668-0403
4mm x 1/4"MBSP	665-0406	667-0406	668-0406
5mm x 1/4"MBSP	665-0506	-	-
6mm x 1/8"MBSP	665-0603	667-0603	668-0603
6mm x 1/4"MBSP	665-0606	667-0606	668-0606
6mm x 3/8"MBSP	665-0610	-	668-0610
8mm x 1/4"MBSP	665-0806	667-0806	668-0806
8mm x 3/8"MBSP	665-0810	-	668-0810
8mm x 1/2"MBSP	665-0812	-	668-0812
10mm x 1/4"MBSP	665-1006	-	668-1006
10mm x 3/8"MBSP	665-1010	667-1010	668-1010
12mm x 3/8"MBSP	665-1210	-	668-1210
12mm x 1/2"MBSP	665-1212	-	668-1212
16mm x 1/2"MBSP	665-1612	-	-
16mm x 3/4"MBSP	665-1620	-	-
19mm x 3/4"MBSP	665-2020	-	688-2020
25mm x 1"MBSP	665-2525	-	688-2525



Size	Product Code
1/8MBSP	666-0003
1/4MBSP	666-0006
3/8MBSP	666-0010
1/2MBSP	666-0012

All plastic fittings are packaged in bags of 5 & 10

All plastic fittings are packaged in bags of 5 & 10



Product Code: 720-0011 Norma plastic fittings display kit Model: NPC90	
Description Of Contents	Qty
3mm,5mm,6mm,8mm,10mm,12mm Joiners,Tee and Y Pices	5 of each Size
Hose Tees 3mm,5mm,6mm,8mm,10mm,12mm	5 of each Size
Hose Ys 3mm,5mm,6mm,8mm,10mm,12mm	5 of each Size



Product Code: 720-0015 Norma plastic fittings display kit Model: NP180	
Description Of Contents	
Joiners 3mm x 25ea, 5mm x 25ea, 6mm x 10ea, 8mm x 10 ea, 10mm x 25 ea.	
Hose Tees 3mm x 25 ea, 5mm x 25ea, 6mm x 20ea, 8mm x 20ea, 10mm x 10ea.	

C



NON
RETURN



BRASS



FLANGED



AGA GAS
APPROVED



ACTUATED



MARINE



STAINLESS
STEEL



VALVES

C

36... BRASS BALL VALVES



**37... AGA GAS APPROVED VALVES
GATE VALVES**



38... BRASS VALVES



**39... RUBBER BELLOW, HOSECOCKS
& TAPS**



**40... ACTUATORS SINGLE & DOUBLE
ACTING**



**41... ACTUATED BUTTERFLY & BALL
VALVES**



**42... CAST IRON WAFER CHECK
VALVES & BUTTERFLY VALVES**



43... NYLON, PVC & POLY VALVES



**44... MARINE VALVE & VENTED
LOOP**



**45
to
46 STAINLESS STEEL VALVES**



BRASS BALL VALVES

C



**FULL PORT F/F BSP
THREAD**

Size	Product Code
1/4"	211-006
3/8"	211-010
1/2"	211-015
3/4"	211-020
1"	211-025
1-1/4"	211-032
1-1/2"	211-040
2"	211-050
2-1/2"	211-065
3"	211-080
4"	211-100



**FULL PORT M/F BSP
THREAD**

Size	Product Code
1/4"	213-006
3/8"	213-010
1/2"	213-015
3/4"	213-020
1"	213-025
1-1/4"	213-032
1-1/2"	213-040
2"	213-050



**3 WAY L-PORT
SIDE ENTRY**

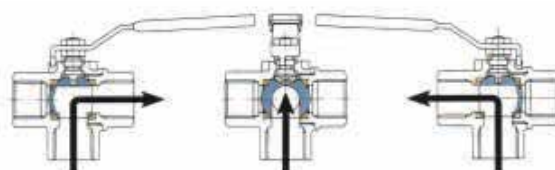
Size	L-Port Product Code
1/4"	237SE-006
3/8"	237SE-010
1/2"	237SE-015
3/4"	237SE-020
1"	237SE-025
1-1/4"	237SE-032
1-1/2"	237SE-040
2"	237SE-050



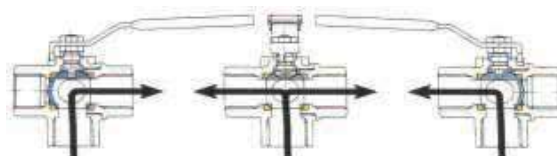
**"236" 3 WAY L-PORT &
"234" BRASS 3 WAY**

Size	L-Port Product Code	T-Port Product Code
1/4"	236-006	234-006
3/8"	236-010	234-010
1/2"	236-015	234-015
3/4"	236-020	234-020
1"	236-025	234-025
1-1/4"	236-032	234-032
1-1/2"	236-040	234-040
2"	236-050	234-050
3"	236-080	234-080

**"236" L PORT
FLOW DIRECTION**



**"234" T PORT
FLOW DIRECTION**



AGA GAS APPROVED VALVES



AGA GAS APPROVED FULL PORT

Size	Product Code
1/4"	212-006
3/8"	212-010
1/2"	212-015
3/4"	212-020
1"	212-025
1-1/4"	212-032
1-1/2"	212-040
2"	212-050



AGA GAS APPROVED T HANDLE

Size	Product Code
1/4"	216-006
3/8"	216-010
1/2"	216-015
3/4"	216-020
1"	216-025



AGA GAS APPROVED T HANDLE M/F BSP THREAD

Size	Product Code
1/4"	217-006
3/8"	217-010
1/2"	217-015
3/4"	217-020
1"	217-025

BRASS GATE VALVES



BRASS GATE VALVE

Size	Product Code
1/2"	260-015
3/4"	260-020
1"	260-025
1-1/4"	260-032
1-1/2"	260-040
2"	260-050
2-1/2"	260-065
3"	260-080
4"	260-100



BRASS GATE VALVE TESTED #AS1628

Size	Product Code
1/2"	260-AS015
3/4"	260-AS020
1"	260-AS025
1-1/4"	260-AS032
1-1/2"	260-AS040
2"	260-AS050



BRASS GATE VALVE FLANGED TABLE "D"

Size	Product Code
1/2"	260B-015
3/4"	260B-020
1"	260B-025
1-1/4"	260B-032
1-1/2"	260B-040
2"	260B-050
2-1/2"	260B-065
3"	260B-080
4"	260B-100

BRASS VALVES

C



**E - TYPE CHECK VALVE
BRASS INSERT**

Size	Product Code
3/8"	250-010
1/2"	250-015
3/4"	250-020
1"	250-025
1-1/4"	250-032
1-1/2"	250-040
2"	250-050
2-1/2"	250-065
3"	250-080
4"	250-100



**Y - TYPE CHECK VALVE
NYLON INSERT**

Size	Product Code
3/8"	253-010
1/2"	253-015
3/4"	253-020
1"	253-025
1-1/4"	253-032
1-1/2"	253-040
2"	253-050
2-1/2"	253-065
3"	253-080
4"	253-100



**MINI BALL
VALVES BSP**

Size	F/F Product Code	M/F Product Code
1/8"	220-003	221-003
1/4"	220-006	221-006
3/8"	220-010	221-010
1/2"	220-015	221-015
3/4"	220-020	221-020



**BRONZE QUICK
ACTION
GATE VALVE**

Size	Product Code
1/2"	270-015
3/4"	270-020
1"	270-025
1-1/4"	270-032
1-1/2"	270-040
2"	270-050
2-1/2"	270-065
3"	270-080
4"	270-100



**BRASS FOOT
VALVE
FEMALE BSP**

Size	Product Code
1/2"	283-015
3/4"	283-020
1"	283-025
1-1/4"	283-032
1-1/2"	283-040
2"	283-050
2-1/2"	283-065
3"	283-080
4"	283-100



**BRASS SWING
CHECK VALVE
FEMALE BSP**

Size	Product Code
1/2"	280-015
3/4"	280-020
1"	280-025
1-1/4"	280-032
1-1/2"	280-040
2"	280-050
2-1/2"	280-065
3"	280-080
4"	280-100



**BRASS Y
STRAINER
FEMALE BSP**

Size	Product Code
1/2"	285-015
3/4"	285-020
1"	285-025
1-1/4"	285-032
1-1/2"	285-040
2"	285-050
2-1/2"	285-065
3"	285-080
4"	285-100

RUBBER BELLOWS

C



RUBBER BELLOW EPDM
FLANGE ZINC PLATED STEEL

Application: Vibration Eliminator
Water, Oil,

Working Pressure: 220 psi

Product Code	Size	Length of Flex Bellow (mm)
890-032	1-1/4"	95
890-040	1-1/2"	95
890-050	2"	105
890-065	2-1/2"	115
890-080	3"	130
890-100	4"	135
890-125	5"	165
890-150	6"	180
890-200	8"	200
890-250	10"	240
890-300	12"	260

BIBCOCK & TAPS



Size	Product Code
1/2"	325-015
3/4"	325-020
1"	325-025

Size	Product Code Brass Tap	Product Code Stainless Tap
1/2"	328-015	328SS-015
3/4"	328-020	-

Size	Product Code Stainless Tap With Backing plate
1/2"	328SS-015BP

ACTUATORS

C

DOUBLE ACTING



Features:

- High Corrosion Resistance
- Pinon supported on polyacetal bearings
- Maximum working pressure 10 Bar
- Lubrication not necessary
- Temperature range -40 to + 100 deg C
- Life more than 1 million cycles
- Antiblow out pinion
- Requires separate Mounting kit to enable assembly onto butterfly valves.

Size	Product Code Double Acting	Product Code Mounting Kit
2"	350ADA-050	350MK-050
2-1/2"	350ADA-065	350MK-065
3"	350ADA-080	350MK-080
4"	350ADA-100	350MK-100
5"	350ADA-125	350MK-125
6"	350ADA-150	350MK-150
8"	350ADA-200	350MK-200

SPRING RETURN



Features:

- High Corrosion Resistance
- Unique spring retainer construction
- No lubrication required for springs
- Pre-compression leads to longer spring life.
- Life more than 1 million cycles
- Antiblow out pinion
- Requires separate mounting kit to enable assembly onto butterfly valves.

Size	Product Code Spring Return	Product Code Mounting Kit
2"	350ASR-050	350MK-050
2-1/2"	350ASR-065	350MK-065
3"	350ASR-080	350MK-080
4"	350ASR-100	350MK-100
5"	350ASR-125	350MK-125
6"	350ASR-150	350MK-150
8"	350ASR-200	350MK-200

ACTUATED VALVES

C

ACTUATED CAST IRON BUTTERFLY VALVE AVAILABLE WITH NBR OR EPDM SEAL



Size	Product Code Double Acting	Product Code Spring Return
2"	350DA-050	350SR-050
2-1/2"	350DA-065	350SR-065
3"	350DA-080	350SR-080
4"	350DA-100	350SR-100
5"	350DA-125	350SR-125
6"	350DA-150	350SR-150
8"	350DA-200	350SR-200

**AVAILABLE IN DOUBLE ACTING (PNEUMATIC)
& SINGLE ACTING (SPRING RETURN)**

S/S 3 PIECE FULL BORE ACTUATED BALL VALVES



Size	Product Code Double Acting	Product Code Spring Return
1/2"	290DA-015	290SR-015
3/4"	290DA-020	290SR-020
1"	290DA-025	290SR-025
1-1/4"	290DA-032	290SR-032
1-1/2"	290DA-038	290SR-038
2"	290DA-050	290SR-050

**AVAILABLE IN DOUBLE ACTING (PNEUMATIC)
& SINGLE ACTING (SPRING RETURN)**

CAST IRON VALVES

C

WAFER CHECK VALVE DUAL PLATE



WAFER CHECK VALVE SINGLE PLATE



Size	Product Code Dual Plate	Product Code Single Plate
2"	351-050	351S-050
2-1/2"	351-065	351S-065
3"	351-080	351S-080
4"	351-100	351S-100
5"	351-125	351S-125
6"	351-150	351S-150
8"	351-200	351S-200

CAST IRON WAFER BUTTERFLY VALVE, 316 S/S DISC AND SHAFT, EPDM or NBR SEAL



Size	Product Code EPDM	Product Code NBR
2"	352-050	350-050
2-1/2"	352-065	350-065
3"	352-080	350-080
4"	352-100	350-100
5"	352-125	350-125
6"	352-150	350-150
8"	352-200	350-200

CAST IRON LUGGED BUTTERFLY VALVE, 316 S/S DISC AND SHAFT, EPDM or NBR SEAL



Size	Product Code EPDM	Product Code NBR
2"	352L-050	350L-050
2-1/2"	352L-065	350L-065
3"	352L-080	350L-080
4"	352L-100	350L-100
5"	352L-125	350L-125
6"	352L-150	350L-150
8"	352L-200	350L-200

NYLON & PVC VALVES

C

"398" Valve with Standard Blue Handle



- High Quality True Full Flow Valve
- Material meets Potable Water Standards
- Removable Handle for Security
- International Colour Coded Handles
 - Blue Handle General Use
 - Lilac Handle Grey Water Use
- UV Stabilised
- Pressure Rating: 16 Bar / 235 psi @ 20 deg C

Parts & Materials:

Body & End caps - Glass Fibre Reinforced Nylon
 Handle - Glass Reinforced Nylon
 Ball - Polypropylene
 Ball Seats & Stem - Acetal (POM)

"399" Lilac Handle for Grey Water Use



Size	Product Code Valve	Product Code Lilac Handle
1/2"	398-015	399-015
3/4"	398-020	399-020
1"	398-025	399-025
1-1/4"	398-032	399-032
1-1/2"	398-040	399-040
2"	398-050	399-050

PVC BALL VALVE - F.I BSP THREAD (WHITE)



Size	Product Code
1/2"	393-015
3/4"	393-020
1"	393-025
1-1/4"	393-032
1-1/2"	393-040
2"	393-050
3"	393-080*

PHILMAC BALL VALVES



Size	Product Code
1/2"	853-015
3/4"	853-020
1"	853-025
1-1/4"	853-032
1-1/2"	853-040
2"	853-050

FOOT VALVE



Size	Product Code
1/2"	854-015
3/4"	854-020
1"	854-025
1-1/4"	854-032
1-1/2"	854-040
2"	854-050

***NOTE: 3" VALVE IS GREY**

AQUAMATE MARINE VALVE

C



Product Code: V32-000
Description:
1 1/2" 3 way Aquavalve



Product Code: V32 -001
 Description:
 1/2" Bsp x 38mm hose adaptor



Product Code: V32-002
 Description:
 1 1/2" BSP x 120° bend with 38mm hose adaptor



Product Code: V32-003
 Description:
 1 1/2" BSP with 25mm hose adaptor



Product Code: V32-004
 Description:
 1 1/2" BSP x 90° with 38mm hose adaptor

VENTED LOOPS



Size	Product Code
3/4"	V34-020
1"	V34-025
1-1/2"	V34-038

Y PIECE



Size	Product Code
1"	V35-001
1" x 1" x 1-1/2"	V35-002
1-1/2"	V35-003

STAINLESS STEEL VALVES

C



1 PCE REDUCED BORE BALL VALVE

Size	Product Code
1/4"	291-006
3/8"	291-010
1/2"	291-015
3/4"	291-020
1"	291-025
1-1/4"	291-032
1-1/2"	291-040
2"	291-050



2 PCE FULL BORE BALL VALVE

Size	Product Code
1/4"	293-006
3/8"	293-010
1/2"	293-015
3/4"	293-020
1"	293-025
1-1/4"	293-032
1-1/2"	293-040
2"	293-050
2-1/2"	293-065
3"	293-080



**"290" 3 PCE FULL BORE BSP
"294" 3 PCE FULL BORE NPT**

Size	Product Code BSP	Product Code NPT
1/4"	290-006	294-006
3/8"	290-010	294-010
1/2"	290-015	294-015
3/4"	290-020	294-020
1"	290-025	294-025
1-1/4"	290-032	294-032
1-1/2"	290-040	294-040
2"	290-050	294-050
2-1/2"	290-065	-
3"	290-080	294-080
4"	290-100	-



**3 WAY L PORT VALVE
SIDE ENTRY**

Size	Product Code
3/8"	296-010
1/2"	296-015
3/4"	296-020
1"	296-025
1-1/4"	296-032
1-1/2"	296-040
2"	296-050



QUICK ACTION GATE VALVE WITH SPRING

Size	Product Code
1/2"	271-015
3/4"	271-020



SWING CHECK VALVE

Size	Product Code
3/8"	292-010
1/2"	292-015
3/4"	292-020
1"	292-025
1-1/4"	292-032
1-1/2"	292-040
2"	292-050



**"288" S/S SPRING CHECK 2 PCE
"289" S/S SPRING CHECK 3 PCE**

Size	Product Code 2 PCE	Product Code 3 PCE
1/4"	-	289-006
3/8"	288-010	289-010
1/2"	288-015	289-015
3/4"	288-020	289-020
1"	288-025	289-025
1-1/4"	288-032	289-032
1-1/2"	288-040	289-040
2"	288-050	289-050



STAINLESS STEEL VALVES

STAINLESS STEEL KNIFE GATE VALVES



Compact lugged flange configuration with metric tappings

Smooth Flowing - non clogging full port design.

Bonnetless, outside screw & yoke, non - rising hand wheel, rising stem

Working Pressure 1050 kpa (150 psi)

Available in: Table D or Table E

Metal or Resilient seat

Applications:

- Cement Slurries
- Mining
- Abattoir Waste



Y STRAINERS



STAINLESS STEEL FILTER



GATE VALVE



MINI BALL VALVES BSP

Size	Product Code
3/8"	295-010
1/2"	295-015
3/4"	295-020
1"	295-025
1-1/4"	295-032
1-1/2"	295-040
2"	295-050

Size	Product Code
3/8"	255-010
1/2"	255-015
3/4"	255-020
1"	255-025
1-1/4"	255-032
1-1/2"	255-040
2"	255-050
2-1/2"	255-065
3"	255-080
4"	255-100

Size	Product Code
1/2"	297-015
3/4"	297-020
1"	297-025
1-1/4"	297-032
1-1/2"	297-040
2"	297-050

Size	F/F BSP Product Code	M/F BSP Product Code
1/4"	301-006	302-006
3/8"	301-010	302-010
1/2"	301-015	302-015
3/4"	301-020	302-020
1"	301-025	302-025

D



BRONZE



BRASS



NYLON



BLACK
STEEL



GALVANISED



POLY



STAINLESS
STEEL



SCREWED FITTINGS

50
to
52

GALVANISED MALLEABLE



53
to
54
55

BRONZE



to
56

BRASS



57
to
58

STAINLESS STEEL



59
to
60

BLACK STEEL



61
to
62

NYLON



63

POLY



64

BLACK STEEL BUTTWELD



65
to
66

STAINLESS STEEL BUTTWELD



67
to
68

BLACK STEEL & STAINLESS STEEL FLANGES



All dimensions and weights are nominal and subject to change.

GALVANISED MALLEABLE






D

Size Bsp								
	Hex Nipple	Socket	Cap	Plug	Locknut	Elbow F/F	Elbow M/F	45o Elbow F/F
Size = 1/8"	P01-003	P03-003	-	P07-003	-	P09-003	-	-
Size = 1/4"	P01-006	P03-006	P06-006	P07-006	-	P09-006	P10-006	-
Size = 3/8"	P01-010	P03-010	P06-010	P07-010	-	P09-010	P10-010	-
Size = 1/2"	P01-015	P03-015	P06-015	P07-015	P08-015	P09-015	P10-015	P12-015
Size = 3/4"	P01-020	P03-020	P06-020	P07-020	P08-020	P09-020	P10-020	P12-020
Size = 1"	P01-025	P03-025	P06-025	P07-025	P08-025	P09-025	P10-025	P12-025
Size = 1 1/4"	P01-032	P03-032	P06-032	P07-032	P08-032	P09-032	P10-032	P12-032
Size = 1 1/2"	P01-040	P03-040	P06-040	P07-040	P08-040	P09-040	P10-040	P12-040
Size = 2"	P01-050	P03-050	P06-050	P07-050	P08-050	P09-050	P10-050	P12-050
Size = 2 1/2"	P01-065	P03-065	P06-065	P07-065	P08-065	P09-065	P10-065	P12-065
Size = 3"	P01-080	P03-080	P06-080	P07-080	P08-080	P09-080	P10-080	P12-080
Size = 4"	P01-100	P03-100	P06-100	P07-100	P08-100	P09-100	P10-100	P12-100
Size = 6"	P01-150	P03-150	-	P07-150	-	P09-150	-	-

Size Bsp								
	90o Bend F/F	90o Bend M/F	45o Bend F/F	Barrel Union F/F Br Taper Seat	Barrel Union F/F Flat Seat	Tees	Cross	Table "D" Screwed Flange
Size = 1/8"	-	-	-	-	-	P18-003	-	-
Size = 1/4"	-	P14-006	-	-	-	P18-006	-	-
Size = 3/8"	P13-010	P14-010	-	-	-	P18-010	P20-010	-
Size = 1/2"	P13-015	P14-015	P15-015	P16-015	P17-015	P18-015	P20-015	P23-015
Size = 3/4"	P13-020	P14-020	P15-020	P16-020	P17-020	P18-020	P20-020	P23-020
Size = 1"	P13-025	P14-025	P15-025	P16-025	P17-025	P18-025	P20-025	P23-025
Size = 1 1/4"	P13-032	P14-032	P15-032	P16-032	P17-032	P18-032	P20-032	P23-032
Size = 1 1/2"	P13-040	P14-040	P15-040	P16-040	P17-040	P18-040	P20-040	P23-040
Size = 2"	P13-050	P14-050	P15-050	P16-050	P17-050	P18-050	P20-050	P23-050
Size = 2 1/2"	P13-065	P14-065	-	P16-065	P17-065	P18-065	P20-065	P23-065
Size = 3"	P13-080	P14-080	-	P16-080	P17-080	P18-080	P20-080	P23-080
Size = 4"	P13-100	P14-100	-	P16-100	-	P18-100	P20-100	P23-100
Size = 6"	-	-	-	-	-	P18-150	-	P23-150

GALVANISED MALLEABLE

D

Size Bsp					
	Reducing Nipple	Reducing Socket	Reducing Bush	Reducing Elbow	Reducing Tee
Size = 1/4" x 1/8"	P02-0603	-	P05-0603	-	-
Size = 3/8" x 1/4"	P02-1006	P04-1006	P05-1006	-	-
Size = 1/2" x 1/4"	P02-1506	P04-1506	P05-1506	-	-
Size = 1/2" x 3/8"	P02-1510	P04-1510	P05-1510	P11-1510	-
Size = 3/4" x 1/4"	-	P04-2006	P05-2006	-	-
Size = 3/4" x 3/8"	P02-2010	P04-2010	P05-2010	P11-2010	-
Size = 3/4" x 1/2"	P02-2015	P04-2015	P05-2015	P11-2015	P19-2015
Size = 1" x 1/4"	-	P04-2506	P05-2506	-	-
Size = 1" x 3/8"	-	P04-2510	P05-2510	P11-2510	P19-2510
Size = 1" x 1/2"	P02-2515	P04-2515	P05-2515	P11-2515	P19-2515
Size = 1" x 3/4"	P02-2520	P04-2520	P05-2520	P11-2520	P19-2520
Size = 1 1/4" x 1/2"	P02-3215	P04-3215	P05-3215	P11-3215	P19-3215
Size = 1 1/4" x 3/4"	P02-3220	P04-3220	P05-3220	P11-3220	P19-3220
Size = 1 1/4" x 1"	P02-3225	P04-3225	P05-3225	P11-3225	P19-3225
Size = 1 1/2" x 1/2"	P02-4015	P04-4015	P05-4015	P11-4015	P19-4015
Size = 1 1/2" x 3/4"	P02-4020	P04-4020	P05-4020	P11-4020	P19-4020
Size = 1 1/2" x 1"	P02-4025	P04-4025	P05-4025	P11-4025	P19-4025
Size = 1 1/2" x 1 1/4"	P02-4032	P04-4032	P05-4032	P11-4032	P19-4032
Size = 2" x 1/2"	P02-5015	P04-5015	P05-5015	P11-5015	P19-5015
Size = 2" x 3/4"	P02-5020	P04-5020	P05-5020	P11-5020	P19-5020
Size = 2" x 1"	P02-5025	P04-5025	P05-5025	P11-5025	P19-5025
Size = 2" x 1 1/4"	P02-5032	P04-5032	P05-5032	P11-5032	P19-5032
Size = 2" x 1 1/2"	P02-5040	P04-5040	P05-5040	P11-5040	P19-5040
Size = 2 1/2" x 1"	-	P04-6525	P05-6525	-	-
Size = 2 1/2" x 1 1/4"	-	P04-6532	P05-6532	-	-
Size = 2 1/2" x 1 1/2"	P02-6540	P04-6540	P05-6540	-	-
Size = 2 1/2" x 2"	P02-6550	P04-6550	P05-6550	-	P19-6550
Size = 3" x 1"	-	P04-8025	P05-8025	-	-
Size = 3" x 1 1/2"	-	P04-8040	P05-8040	-	-
Size = 3" x 2"	P02-8050	P04-8050	P05-8050	-	P19-8050
Size = 3" x 2 1/2"	P02-8065	P04-8065	P05-8065	P11-8065	-
Size = 4" x 2"	P02-9050	P04-9050	P05-9050	-	-
Size = 4" x 2 1/2"	P02-9065	P04-9065	P05-9065	-	-
Size = 4" x 3"	P02-9080	P04-9080	P05-9080	-	-
Size = 6" x 4"	-	-	P05-9590	-	-



GALVANISED PIPE PIECES



D

Size BSP	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Length MM						
50	P22-006-0050	P22-010-0050	-	-	-	-
75	P22-006-0075	P22-010-0075	-	-	-	-
100	P22-006-0100	P22-010-0100	P22-015-0100	P22-020-0100	P22-025-0100	P22-032-0100
150	P22-006-0150	P22-010-0150	P22-015-0150	P22-020-0150	P22-025-0150	P22-032-0150
200	-	-	P22-015-0200	P22-020-0200	P22-025-0200	P22-032-0200
250	-	-	P22-015-0250	P22-020-0250	P22-025-0250	P22-032-0250
300	-	-	P22-015-0300	P22-020-0300	P22-025-0300	P22-032-0300
350	-	-	P22-015-0350	P22-020-0350	P22-025-0350	P22-032-0350
400	-	-	P22-015-0400	P22-020-0400	P22-025-0400	P22-032-0400
450	-	-	P22-015-0450	P22-020-0450	P22-025-0450	P22-032-0450
500	-	-	P22-015-0500	P22-020-0500	P22-025-0500	P22-032-0500
550	-	-	-	-	P22-025-0550	-
600	-	-	P22-015-0600	P22-020-0600	P22-025-0600	P22-032-0600
750	-	-	P22-015-0750	P22-020-0750	P22-025-0750	P22-032-0750
900	-	-	P22-015-0900	P22-020-0900	P22-025-0900	P22-032-0900
1000	-	-	P22-015-1000	P22-020-1000	P22-025-1000	-

Size Bsp	1 1/2"	2"	2 1/2"	3"	4"
Length MM					
100	P22-040-0100	P22-050-0100	-	-	-
150	P22-040-0150	P22-050-0150	P22-065-0150	P22-080-0150	P22-100-0150
200	P22-040-0200	P22-050-0200	P22-065-0200	P22-080-0200	P22-100-0200
250	P22-040-0250	P22-050-0250	P22-065-0250	P22-080-0250	P22-100-0250
300	P22-040-0300	P22-050-0300	P22-065-0300	P22-080-0300	P22-100-0300
350	P22-040-0350	P22-050-0350	-	-	-
400	P22-040-0400	P22-050-0400	-	-	-
450	P22-040-0450	P22-050-0450	P22-065-0450	P22-080-0450	P22-100-0450
500	P22-040-0500	P22-050-0500	-	-	-
550	-	-	-	-	-
600	P22-040-0600	P22-050-0600	P22-065-0600	P22-080-0600	P22-100-0600
750	P22-040-0750	P22-050-0750	-	P22-080-0750	P22-100-0750
900	P22-040-0900	P22-050-0900	-	P22-080-0900	P22-100-0900
1000	P22-040-1000	P22-050-1000	-	P22-080-1000	P22-100-1000

BRONZE FITTINGS

D



Size Bsp						
	Hex Nipple	Socket	Cap	Plug	Elbow F/F	Elbow M/F
Size = 1/8"	-	-	Y06-003	Y07-003	Y09-003	-
Size = 1/4"	Y01-006	-	Y06-006	Y07-006	Y09-006	-
Size = 3/8"	Y01-010	-	Y06-010	Y07-010	Y09-010	Y10-010
Size = 1/2"	Y01-015	Y03-015	Y06-015	Y07-015	Y09-015	Y10-015
Size = 3/4"	Y01-020	Y03-020	Y06-020	Y07-020	Y09-020	Y10-020
Size = 1"	Y01-025	Y03-025	Y06-025	Y07-025	Y09-025	Y10-025
Size = 1 1/4"	Y01-032	Y03-032	Y06-032	Y07-032	Y09-032	Y10-032
Size = 1 1/2"	Y01-040	Y03-040	Y06-040	Y07-040	Y09-040	Y10-040
Size = 2"	Y01-050	Y03-050	Y06-050	Y07-050	Y09-050	Y10-050
Size = 2 1/2"	Y01-065	Y03-065	Y06-065	Y07-065	Y09-065	Y10-065
Size = 3"	Y01-080	Y03-080	Y06-080	Y07-080	Y09-080	Y10-080
Size = 4"	Y01-100	Y03-100	Y06-100	Y07-100	Y09-100	Y10-100


Size Bsp				
	Barrel Union F/F	Tees	Skin Fittings	Hosetail BSP x Hose
Size = 1/4"	Y17-006	Y18-006	-	-
Size = 3/8"	Y17-010	Y18-010	-	-
Size = 1/2"	Y17-015	Y18-015	Y22-015	500-1515
Size = 3/4"	Y17-020	Y18-020	Y22-020	500-2020
Size = 1"	Y17-025	Y18-025	Y22-025	500-2525
Size = 1 1/4"	Y17-032	Y18-032	Y22-032	500-3232
Size = 1 1/2"	Y17-040	Y18-040	Y22-040	500-4040
Size = 2"	Y17-050	Y18-050	Y22-050	500-5050
Size = 2 1/2"	Y17-065	Y18-065	Y22-065	500-6565
Size = 3"	Y17-080	Y18-080	Y22-080	500-8080
Size = 4"	Y17-100	Y18-100	Y22-100	500-9100



BRONZE FITTINGS

D

Size Bsp		
	Reducing Nipple	Reducing Bush
Size = 1/4" x 1/8"	-	Y05-0603
Size = 3/8" x 1/4"	Y02-1006	Y05-1006
Size = 1/2" x 1/4"	Y02-1506	Y05-1506
Size = 1/2" x 3/8"	Y02-1510	Y05-1510
Size = 3/4" x 1/4"	-	Y05-2006
Size = 3/4" x 3/8"	Y02-2010	Y05-2010
Size = 3/4" x 1/2"	Y02-2015	Y05-2015
Size = 1" x 1/4"	-	Y05-2506
Size = 1" x 3/8"	Y02-2510	Y05-2510
Size = 1" x 1/2"	Y02-2515	Y05-2515
Size = 1" x 3/4"	Y02-2520	Y05-2520
Size = 1 1/4" x 1/2"	Y02-3215	Y05-3215
Size = 1 1/4" x 3/4"	Y02-3220	Y05-3220
Size = 1 1/4" x 1"	Y02-3225	Y05-3225
Size = 1 1/2" x 1/2"	Y02-4015	Y05-4015
Size = 1 1/2" x 3/4"	Y02-4020	Y05-4020
Size = 1 1/2" x 1"	Y02-4025	Y05-4025
Size = 1 1/2" x 1 1/4"	Y02-4032	Y05-4032
Size = 2" x 1"	Y02-5025	Y05-5025
Size = 2" x 1 1/4"	Y02-5032	Y05-5032
Size = 2" x 1 1/2"	Y02-5040	Y05-5040
Size = 2 1/2" x 1"	Y02-6525	-
Size = 2 1/2" x 1 1/2"	Y02-6540	-
Size = 2 1/2" x 2"	Y02-6550	Y05-6550
Size = 3" x 2"	Y02-8050	Y05-8050
Size = 3" x 2 1/2"	Y02-8065	Y05-8065
Size = 4" x 2"	Y02-9050	Y05-9050
Size = 4" x 2 1/2"	Y02-9065	-
Size = 4" x 3"	Y02-9080	Y05-9080

Size Bsp	
BSP Male x Hosetail	Reducing Hosetail
Size = 1/2" x 1"	500-1525
Size = 3/4" x 1/2"	500-2015
Size = 3/4" x 1"	500-2025
Size = 1" x 3/4"	500-2520
Size = 1" x 1 1/4"	500-2532
Size = 1 1/4" x 3/4"	500-3220
Size = 1 1/4" x 1"	500-3225
Size = 1 1/4" x 1 1/2"	500-3240
Size = 1 1/4" x 2"	500-3250
Size = 1 1/2" x 3/4"	500-4020
Size = 1 1/2" x 1 1/4"	500-4032
Size = 1 1/2" x 2"	500-4050
Size = 2" x 1 1/4"	500-5032
Size = 2" x 2 1/2"	500-5065
Size = 2 1/2" x 2"	500-6550
Size = 2 1/2" x 3"	500-6580

BRASS FITTINGS

D


Size Bsp							
	Hex Nipple	Socket	Cap	Plug	Locknut	Elbow F/F	Elbow M/F
Size = 1/8"	T01-003	T03-003	T06-003	T07-003	T08-003	T09-003	T10-003
Size = 1/4"	T01-006	T03-006	T06-006	T07-006	T08-006	T09-006	T10-006
Size = 3/8"	T01-010	T03-010	T06-010	T07-010	T08-010	T09-010	T10-010
Size = 1/2"	T01-015	T03-015	T06-015	T07-015	T08-015	T09-015	T10-015
Size = 3/4"	T01-020	T03-020	T06-020	T07-020	T08-020	T09-020	T10-020
Size = 1"	T01-025	T03-025	T06-025	T07-025	T08-025	T09-025	T10-025
Size = 1 1/4"	T01-032	T03-032	T06-032	T07-032	T08-032	T09-032	T10-032
Size = 1 1/2"	T01-040	T03-040	T06-040	T07-040	T08-040	T09-040	T10-040
Size = 2"	T01-050	T03-050	T06-050	T07-050	T08-050	T09-050	T10-050
Size = 2 1/2"	T01-065	T03-065	T06-065	T07-065	-	T09-065	-
Size = 3"	T01-080	T03-080	T06-080	T07-080	-	T09-080	-
Size = 4"	T01-100	T03-100	T06-100	T07-100	-	-	-

Size Bsp						
	Barrel Union F/F	Barrel Union M/F	Tees	Hosetail BSP X Hose	Nut & Tail BSP x Hose	Nut & Tail Washer
Size = 1/8"	-	T17MF-003	T18-003	-	-	-
Size = 1/4"	T17-006	T17MF-006	T18-006	-	-	-
Size = 3/8"	T17-010	T17MF-010	T18-010	-	-	-
Size = 1/2"	T17-015	T17MF-015	T18-015	T21-1515	T25-1515	T24-015
Size = 3/4"	T17-020	T17MF-020	T18-020	T21-2020	T25-2020	T24-020
Size = 1"	T17-025	T17MF-025	T18-025	T21-2525	T25-2525	T24-025
Size = 1 1/4"	T17-032	T17MF-032	T18-032	T21-3232	T25-3232	T24-032
Size = 1 1/2"	T17-040	T17MF-040	T18-040	T21-4040	T25-4040	T24-040
Size = 2"	T17-050	T17MF-050	T18-050	T21-5050	T25-5050	T24-050
Size = 2 1/2"	T17-065	T17MF-065	T18-065	T21-6565	T25-6565	T24-065
Size = 3"	T17-080	T17MF-080	T18-080	T21-8080	T25-8080	T24-080
Size = 4"	-	-	T18-100	T21-9100	T25-9100	T24-100











BRASS FITTINGS

D

Size Bsp				
	Reducing Nipple	Reducing Bush	Reducing Hosetail BSP x Hose	Reducing Nut & Tail BSP x Hose
Size = 1/4" x 1/8"	T02-0603	T05-0603	-	-
Size = 3/8" x 1/8"	T02-1003	T05-1003	-	-
Size = 3/8" x 1/4"	T02-1006	T05-1006	-	-
Size = 1/2" x 1/8"	-	T05-1503	-	-
Size = 1/2" x 1/4"	T02-1506	T05-1506	-	-
Size = 1/2" x 3/8"	T02-1510	T05-1510	-	-
Size = 3/4" x 1/8"	-	T05-2003	-	-
Size = 3/4" x 1/4"	T02-2006	T05-2006	-	-
Size = 3/4" x 3/8"	T02-2010	T05-2010	-	-
Size = 3/4" x 1/2"	T02-2015	T05-2015	-	T25-2015
Size = 1" x 1/4"	-	T05-2506	-	-
Size = 1" x 3/8"	T02-2510	T05-2510	-	-
Size = 1" x 1/2"	T02-2515	T05-2515	-	T25-2515
Size = 1" x 3/4"	T02-2520	T05-2520	T21-2520	T25-2520
Size = 1 1/4" x 1/2"	-	T05-3215	-	-
Size = 1 1/4" x 3/4"	T02-3220	T05-3220	-	-
Size = 1 1/4" x 1"	T02-3225	T05-3225	-	T25-3225
Size = 1 1/2" x 3/4"	T02-4020	T05-4020	-	-
Size = 1 1/2" x 1"	T02-4025	T05-4025	-	-
Size = 1 1/2" x 1 1/4"	T02-4032	T05-4032	-	T25-4032
Size = 2" x 3/4"	-	T05-5020	-	-
Size = 2" x 1"	T02-5025	T05-5025	-	-
Size = 2" x 1 1/4"	T02-5032	T05-5032	-	-
Size = 2" x 1 1/2"	T02-5040	T05-5040	-	T25-5040
Size = 2 1/2" x 2"	T02-6550	T05-6550	-	-
Size = 3" x 2"	T02-8050	T05-8050	-	-
Size = 3" x 2 1/2"	T02-8065	T05-8065	-	-
Size = 4" x 2"	T02-9050	T05-9050	-	-
Size = 4" x 2 1/2"	T02-9065	T05-9065	-	-
Size = 4" x 3"	T02-9080	T05-9080	-	-

STAINLESS STEEL FITTINGS

D

Size Bsp									
	Hex Nipple	Socket	Cap	Plug	Locknut	Elbow F/F	Elbow M/F	45o Elbow F/F	Barrel Union F/F
Size = 1/8"	W01-003	W03-003	W06-003	W07-003	W08-003	W09-003	W10-003	W12-003	W17-003
Size = 1/4"	W01-006	W03-006	W06-006	W07-006	W08-006	W09-006	W10-006	W12-006	W17-006
Size = 3/8"	W01-010	W03-010	W06-010	W07-010	W08-010	W09-010	W10-010	W12-010	W17-010
Size = 1/2"	W01-015	W03-015	W06-015	W07-015	W08-015	W09-015	W10-015	W12-015	W17-015
Size = 3/4"	W01-020	W03-020	W06-020	W07-020	W08-020	W09-020	W10-020	W12-020	W17-020
Size = 1"	W01-025	W03-025	W06-025	W07-025	W08-025	W09-025	W10-025	W12-025	W17-025
Size = 1 1/4"	W01-032	W03-032	W06-032	W07-032	W08-032	W09-032	W10-032	W12-032	W17-032
Size = 1 1/2"	W01-040	W03-040	W06-040	W07-040	W08-040	W09-040	W10-040	W12-040	W17-040
Size = 2"	W01-050	W03-050	W06-050	W07-050	W08-050	W09-050	W10-050	W12-050	W17-050
Size = 2 1/2"	W01-065	W03-065	W06-065	W07-065	W08-065	W09-065	W10-065	W12-065	W17-065
Size = 3"	W01-080	W03-080	W06-080	W07-080	W08-080	W09-080	W10-080	W12-080	W17-080
Size = 4"	W01-100	W03-100	W06-100	W07-100	W08-100	W09-100	W10-100	W12-100	W17-100


Size Bsp									
	Tees	Barrel Nipple	Toe Nipple	Hose Joiner	Hosetail Male BSP x Hose	Hosetail Female BSP x Hose	Nut & Tail Bsp x Hose	Flanged Locknut	All thread 300mm Long
Size = 1/8"	W18-003	-	-	-	-	W21F-003	-	-	-
Size = 1/4"	W18-006	W26-006	W27-006	W20-006	W21-006	W21F-006	-	-	-
Size = 3/8"	W18-010	W26-010	W27-010	W20-010	W21-010	W21F-010	W25-1010	-	-
Size = 1/2"	W18-015	W26-015	W27-015	W20-015	W21-015	W21F-015	W25-1515	W41-015	W40-015
Size = 3/4"	W18-020	W26-020	W27-020	W20-020	W21-020	W21F-020	W25-2020	W41-020	W40-020
Size = 1"	W18-025	W26-025	W27-025	W20-025	W21-025	W21F-025	W25-2525	W41-025	W40-025
Size = 1 1/4"	W18-032	W26-032	W27-032	W20-032	W21-032	W21F-032	W25-3232	W41-032	W40-032
Size = 1 1/2"	W18-040	W26-040	W27-040	W20-040	W21-040	W21F-040	W25-4040	W41-040	W40-040
Size = 2"	W18-050	W26-050	W27-050	W20-050	W21-050	W21F-050	W25-5050	W41-050	W40-050
Size = 2 1/2"	W18-065	W26-065	W27-065	W20-065	W21-065	W21F-065	-	-	-
Size = 3"	W18-080	W26-080	W27-080	W20-080	W21-080	W21F-080	-	-	W40-080
Size = 4"	W18-100	W26-100	W27-100	W20-100	W21-100	W21F-100	-	-	-
Size = 6"	-	-	-	-	W21-150	-	-	-	-



STAINLESS STEEL FITTINGS

D

Size Bsp			
	Reducing Nipple	Reducing Socket	Reducing Bush
Size = 1/4" x 1/8"	W02-0603	-	W05-0603
Size = 3/8" x 1/8"	W02-1003	-	W05-1003
Size = 3/8" x 1/4"	W02-1006	W04-1006	W05-1006
Size = 1/2" x 1/4"	W02-1506	W04-1506	W05-1506
Size = 1/2" x 3/8"	W02-1510	W04-1510	W05-1510
Size = 3/4" x 1/4"	W02-2006	-	W05-2006
Size = 3/4" x 3/8"	W02-2010	W04-2010	W05-2010
Size = 3/4" x 1/2"	W02-2015	W04-2015	W05-2015
Size = 1" x 3/8"	W02-2510	W04-2510	W05-2510
Size = 1" x 1/2"	W02-2515	W04-2515	W05-2515
Size = 1" x 3/4"	W02-2520	W04-2520	W05-2520
Size = 1 1/4" x 1/2"	W02-3215	W04-3215	W05-3215
Size = 1 1/4" x 3/4"	W02-3220	W04-3220	W05-3220
Size = 1 1/4" x 1"	W02-3225	W04-3225	W05-3225
Size = 1 1/2" x 1/2"	-	W04-4015	-
Size = 1 1/2" x 3/4"	W02-4020	W04-4020	W05-4020
Size = 1 1/2" x 1"	W02-4025	W04-4025	W05-4025
Size = 1 1/2" x 1 1/4"	W02-4032	W04-4032	W05-4032
Size = 2" x 1/2"	-	W04-5015	-
Size = 2" x 3/4"	W02-5020	W04-5020	W05-5020
Size = 2" x 1"	W02-5025	W04-5025	W05-5025
Size = 2" x 1 1/4"	W02-5032	W04-5032	W05-5032
Size = 2" x 1 1/2"	W02-5040	W04-5040	W05-5040
Size = 2 1/2" x 1 1/2"	W02-6540	W04-6540	W05-6540
Size = 2 1/2" x 2"	W02-6550	W04-6550	W05-6550
Size = 3" x 1 1/2"	W02-8040	W04-8040	W05-8040
Size = 3" x 2"	W02-8050	W04-8050	W05-8050
Size = 3" x 2 1/2"	W02-8065	W04-8065	W05-8065
Size = 4" x 2"	W02-9050	W04-9050	W05-9050
Size = 4" x 2 1/2"	W02-9065	W04-9065	W05-9065
Size = 4" x 3"	W02-9080	W04-9080	W05-9080

Size Bsp	
Male BSP x Hose	Reducing Hosetail
1/8" x 1/4"	W21-0306
1/4" x 5/16"	W21-0608
1/4" x 3/8"	W21-0610
1/4" x 1/2"	W21-0615
3/8" x 1/2"	W21-1015
1/2" x 3/8"	W21-1510
1/2" x 5/8"	W21-1516
1/2" x 3/4"	W21-1520
3/4" x 1/2"	W21-2015
3/4" x 1"	W21-2025
1" x 1 1/4"	W21-2532
1 1/4" x 1 1/2"	W21-3240
1 1/2" x 2"	W21-4050



TANK OUTLET

Size Male Bsp X Female Bsp	Product Code
3/4" x 1/2"	W39-2015
1" x 3/4"	W39-2520
1 1/4" x 1"	W39-3225
1 1/2" x 1 1/4"	W39-4032
2" x 1 1/2"	W39-5040









SKIN FITTING

Size Bsp	Product Code
1/2"	W22-015
3/4"	W22-020
1"	W22-025
1 1/4"	W22-032
1 1/2"	W22-040
2"	W22-050
2 1/2"	W22-065
3"	W22-080
4"	W22-100

BLACK STEEL FITTINGS

D

Size Bsp							
	Hex Nipple	Socket	Half Socket	Cap	Plug	Elbow F/F	Elbow M/F
Size = 1/8"	R01-003	R03-003	-	-	R07-003	R09-003	-
Size = 1/4"	R01-006	R03-006	-	R06-006	R07-006	R09-006	R10-006
Size = 3/8"	R01-010	R03-010	R03HS-010	R06-010	R07-010	R09-010	R10-010
Size = 1/2"	R01-015	R03-015	R03HS-015	R06-015	R07-015	R09-015	R10-015
Size = 3/4"	R01-020	R03-020	R03HS-020	R06-020	R07-020	R09-020	R10-020
Size = 1"	R01-025	R03-025	R03HS-025	R06-025	R07-025	R09-025	R10-025
Size = 1 1/4"	R01-032	R03-032	R03HS-032	R06-032	R07-032	R09-032	R10-032
Size = 1 1/2"	R01-040	R03-040	R03HS-040	R06-040	R07-040	R09-040	R10-040
Size = 2"	R01-050	R03-050	R03HS-050	R06-050	R07-050	R09-050	R10-050
Size = 2 1/2"	R01-065	R03-065	R03HS-065	R06-065	R07-065	R09-065	R10-065
Size = 3"	R01-080	R03-080	R03HS-080	R06-080	R07-080	R09-080	R10-080
Size = 4"	R01-100	R03-100	R03HS-100	R06-100	R07-100	R09-100	R10-100
Size = 6"	-	R03-150	-	-	-	-	-

Size Bsp							
	Male Bsp x Male Bsp bend 90 Degree	Male Bsp x Male Bsp 45 Degree	Barrel Union F/F	Tees	Barrel Nipple	Toe Nipple	Cross over Nipple 3000LB NPT X BSP
Size = 1/4"	R14-006	-	R17-006	R18-006	R26-006	-	R01CON-006
Size = 3/8"	R14-010	-	R17-010	R18-010	R26-010	-	R01CON-010
Size = 1/2"	R14-015	R16-015	R17-015	R18-015	R26-015	R27-015	R01CON-015
Size = 3/4"	R14-020	R16-020	R17-020	R18-020	R26-020	R27-020	R01CON-020
Size = 1"	R14-025	R16-025	R17-025	R18-025	R26-025	R27-025	R01CON-025
Size = 1 1/4"	R14-032	R16-032	R17-032	R18-032	R26-032	R27-032	R01CON-032
Size = 1 1/2"	R14-040	R16-040	R17-040	R18-040	R26-040	R27-040	R01CON-040
Size = 2"	R14-050	R16-050	R17-050	R18-050	R26-050	R27-050	R01CON-050
Size = 2 1/2"	R14-065	R16-065	R17-065	R18-065	R26-065	R27-065	R01CON-065
Size = 3"	R14-080	R16-080	R17-080	R18-080	R26-080	R27-080	R01CON-080
Size = 4"	R14-100	R16-100	R17-100	R18-100	R26-100	R27-100	R01CON-100










BLACK STEEL FITTINGS








D

Size Bsp			
	Reducing Nipple	Reducing Socket	Reducing Bush
Size = 1/4" x 1/8	R02-0603	R04-0603	R05-0603
Size = 3/8" x 1/8	-	-	R05-1003
Size = 3/8" x 1/4"	R02-1006	R04-1006	R05-1006
Size = 1/2" x 1/4"	R02-1506	R04-1506	R05-1506
Size = 1/2" x 3/8"	R02-1510	R04-1510	R05-1510
Size = 3/4" x 1/4"	-	R04-2006	-
Size = 3/4" x 3/8"	R02-2010	R04-2010	R05-2010
Size = 3/4" x 1/2"	R02-2015	R04-2015	R05-2015
Size = 1" x 3/8"	-	R04-2510	-
Size = 1" x 1/2"	R02-2515	R04-2515	R05-2515
Size = 1" x 3/4"	R02-2520	R04-2520	R05-2520
Size = 1 1/4" x 3/4"	R02-3220	R04-3220	R05-3220
Size = 1 1/4" x 1"	R02-3225	R04-3225	R05-3225
Size = 1 1/2" x 3/4"	R02-4020	R04-4020	R05-4020
Size = 1 1/2" x 1"	R02-4025	R04-4025	R05-4025
Size = 1 1/2" x 1 1/4"	R02-4032	R04-4032	R05-4032
Size = 2" x 3/4"	R02-5020	R04-5020	-
Size = 2" x 1"	R02-5025	R04-5025	R05-5025
Size = 2" x 1 1/4"	R02-5032	R04-5032	R05-5032
Size = 2" x 1 1/2"	R02-5040	R04-5040	R05-5040
Size = 2 1/2" x 1 1/2"	R02-6540	R04-6540	-
Size = 2 1/2" x 2"	R02-6550	R04-6550	R05-6550
Size = 3" x 1"	-	R04-8025	-
Size = 3" x 2"	R02-8050	R04-8050	R05-8050
Size = 3" x 2 1/2"	R02-8065	R04-8065	R05-8065
Size = 4" x 2"	R02-9050	R04-9050	R05-9050
Size = 4" x 2 1/2"	-	R04-9065	R05-9065
Size = 4" x 3"	R02-9080	R04-9080	R05-9080

NYLON FITTINGS

D





Size Bsp							
	Hex Nipple	Socket	Cap	Plug	Locknut	Elbow F/F	Elbow M/F
Size = 1/8"	V01-003	-	-	-	-	-	-
Size = 1/4"	V01-006	-	-	V07-006	-	-	-
Size = 3/8"	V01-010	-	-	V07-010	-	-	-
Size = 1/2"	V01-015	V03-015	V06-015	V07-015	V08-015	V09-015	V10-015
Size = 3/4"	V01-020	V03-020	V06-020	V07-020	V08-020	V09-020	V10-020
Size = 1"	V01-025	V03-025	V06-025	V07-025	V08-025	V09-025	V10-025
Size = 1 1/4"	V01-032	V03-032	V06-032	V07-032	V08-032	V09-032	V10-032
Size = 1 1/2"	V01-040	V03-040	V06-040	V07-040	V08-040	V09-040	V10-040
Size = 2"	V01-050	V03-050	V06-050	V07-050	V08-050	V09-050	V10-050
Size = 2 1/2"	V01-065	V03-065	V06-065	V07-065	-	V09-065	-
Size = 3"	V01-080	V03-080	V06-080	V07-080	-	V09-080	-
Size = 4"	V01-100	V03-100	V06-100	V07-100	-	V09-100	-

Size Bsp							
	Barrel Union F/F	Tees	Skin Fittings	Hosetail Bsp x Tail	Nut & Tail Bsp x Tail	Nut & Tail Washers	Nut & Tail Elbow Bsp x Tail
Size = 1/8"	-	-	-	-	-	-	-
Size = 1/4"	-	-	-	-	-	-	-
Size = 3/8"	-	-	-	V21-1010	-	-	-
Size = 1/2"	V17-015	V18-015	V22-015	V21-1515	V25-1515	V25-W015	-
Size = 3/4"	V17-020	V18-020	V22-020	V21-2020	V25-2020	V25-W020	V24-2020
Size = 1"	V17-025	V18-025	V22-025	V21-2525	V25-2525	V25-W025	V24-2525
Size = 1 1/4"	V17-032	V18-032	V22-032	V21-3232	V25-3232	V25-W032	-
Size = 1 1/2"	V17-040	V18-040	V22-040	V21-4040	V25-4040	V25-W040	-
Size = 2"	V17-050	V18-050	V22-050	V21-5050	V25-5050	V25-W050	-
Size = 2 1/2"	-	V18-065	-	-	-	-	-
Size = 3"	-	V18-080	V22-080	-	-	-	-
Size = 4"	-	V18-100	V22-100	-	-	-	-









NYLON FITTINGS



D




Size Bsp				
	Reducing Nipple	Reducing Socket	Reducing Bush	Reducing Nut & Tail Bsp x Tail
Size = 1/4" x 1/8"	V02-0603	-	-	-
Size = 3/8" x 1/8"	V02-1003	-	-	-
Size = 3/8" x 1/4"	V02-1006	-	-	-
Size = 1/2" x 1/4"	V02-1506	-	V05-1506	-
Size = 1/2" x 3/8"	V02-1510	-	V05-1510	-
Size = 3/4" x 1/4"	-	-	V05-2006	-
Size = 3/4" x 3/8"	V02-2010	-	V05-2010	-
Size = 3/4" x 1/2"	V02-2015	V04-2015	V05-2015	V25-2015
Size = 1" x 1/4"	-	-	V05-2506	-
Size = 1" x 3/8"	-	-	V05-2510	-
Size = 1" x 1/2"	V02-2515	V04-2515	V05-2515	V25-2515
Size = 1" x 3/4"	V02-2520	V04-2520	V05-2520	V25-2520
Size = 1 1/4" x 1/2"	-	-	V05-3215	-
Size = 1 1/4" x 3/4"	V02-3220	V04-3220	V05-3220	-
Size = 1 1/4" x 1"	V02-3225	V04-3225	V05-3225	-
Size = 1 1/2" x 1/2"	-	-	V05-4015	-
Size = 1 1/2" x 3/4"	V02-4020	V04-4020	V05-4020	-
Size = 1 1/2" x 1"	V02-4025	V04-4025	V05-4025	-
Size = 1 1/2" x 1 1/4"	V02-4032	V04-4032	V05-4032	-
Size = 2" x 3/4"	V02-5020	V04-5020	V05-5020	-
Size = 2" x 1"	V02-5025	V04-5025	V05-5025	-
Size = 2" x 1 1/4"	V02-5032	V04-5032	V05-5032	-
Size = 2" x 1 1/2"	V02-5040	V04-5040	V05-5040	-
Size = 2 1/2" x 1 1/4"	V02-6532	-	V05-6532	-
Size = 2 1/2" x 1 1/2"	V02-6540	V04-6540	V05-6540	-
Size = 2 1/2" x 2"	V02-6550	V04-6550	V05-6550	-
Size = 3" x 1 1/2"	V02-8040	-	V05-8050	-
Size = 3" x 2"	V02-8050	V04-8050	V05-8050	-
Size = 3" x 2 1/2"	V02-8065	V04-8065	V05-8065	-
Size = 4" x 2"	V02-9050	-	V05-9050	-
Size = 4" x 2 1/2"	V02-9065	V04-9065	V05-9065	-
Size = 4" x 3"	V02-9080	V04-9080	V05-9080	-

POLY FITTINGS

D

Size Bsp							
	Hex Nipple	Socket	Cap	Plug	Elbow F/F	Elbow M/F	Tee
Size = 1/2"	PP01-015	PP03-015	PP06-015	PP07-015	PP09-015	PP10-015	PP18-015
Size = 3/4"	PP01-020	PP03-020	PP06-020	PP07-020	PP09-020	PP10-020	PP18-020
Size = 1"	PP01-025	PP03-025	PP06-025	PP07-025	PP09-025	PP10-025	PP18-025
Size = 1 1/4"	PP01-032	PP03-032	PP06-032	PP07-032	PP09-032	PP10-032	PP18-032
Size = 1 1/2"	PP01-040	PP03-040	PP06-040	PP07-040	PP09-040	PP10-040	PP18-040
Size = 2"	PP01-050	PP03-050	PP06-050	PP07-050	PP09-050	PP10-050	PP18-050
Size = 2 1/2"	PP01-065	-	-	-	-	-	-
Size = 3"	PP01-080	-	-	-	-	-	-
Size = 4"	PP01-100	-	-	-	-	-	-

Size		
	Poly Hosetail Bsp x Tail	Poly Strainer
Size = 1/2"	651-LE015	-
Size = 3/4"	651-LE020	-
Size = 1"	651-LE025	-
Size = 1 1/4"	651-LE032	-
Size = 1 1/2"	651-LE038	133-038
Size = 2"	651-LE050	133-050
Size = 2 1/2"	651-LE065	-
Size = 3"	651-LE080	-
Size = 4"	651-LE100	-




Size Bsp			
	Reducing Nipple	Reducing Socket	Reducing Bush
Size = 3/4" x 1/2"	PP02-2015	PP04-2015	PP05-2015
Size = 1" x 1/2"	PP02-2515	PP04-2515	PP05-2515
Size = 1" x 3/4"	PP02-2520	PP04-2520	PP05-2520
Size = 1 1/4" x 1/2"	PP02-3215	-	PP05-3215
Size = 1 1/4" x 3/4"	PP02-3220	PP04-3220	PP05-3220
Size = 1 1/4" x 1"	PP02-3225	PP04-3225	PP05-3225
Size = 1 1/2" x 1/2"	PP02-4015	-	PP05-4015
Size = 1 1/2" x 3/4"	PP02-4020	PP04-4020	PP05-4020
Size = 1 1/2" x 1"	PP02-4025	PP04-4025	PP05-4025
Size = 1 1/2" x 1 1/4"	PP02-4032	PP04-4032	PP05-4032
Size = 2" x 1/2"	PP02-5015	PP04-5015	PP05-5015
Size = 2" x 3/4"	PP02-5020	PP04-5020	PP05-5020
Size = 2" x 1"	PP02-5025	PP04-5025	PP05-5025
Size = 2" x 1 1/4"	PP02-5032	PP04-5032	PP05-5032
Size = 2" x 1 1/2"	PP02-5040	PP04-5040	PP05-5040
Size = 3" x 2"	PP02-8050	-	PP05-8050
Size = 3" x 2 1/2"	PP02-8065	-	PP05-8065
Size = 4" x 2"	-	-	PP05-9050
Size = 4" x 3"	PP02-9080	-	PP05-9080





BLACK STEEL BUTTWELD

D

				
Size	Elbow L/R 90o	Elbow L/R 45o	Elbow S/R 90o	Bevel Ends 90 Deg Bend
1/2"	-	-	364-015	360-015
3/4"	-	-	364-020	360-020
1"	362-025	363-025	364-025	360-025
1 1/4"	362-032	363-032	364-032	360-032
1 1/2"	362-040	363-040	364-040	360-040
2"	362-050	363-050	364-050	360-050
2 1/2"	362-065	363-065	364-065	360-065
3"	362-080	363-080	364-080	360-080
4"	362-100	363-100	364-100	360-100
5"	362-125	-	364-125	-
6"	362-150	363-150	364-150	-
8"	362-200	363-200	364-200	-
10"	362-250	363-250	364-250	-
12"	362-300	363-300	364-300	-

			
Size	Concentric Reducer	Eccentric Reducer	Tee Reducer
3/4" x 1/2"	365-2015	-	-
1" x 1/2"	365-2515	366-2515	-
1" x 3/4"	365-2520	366-2520	-
1 1/4" x 3/4"	365-3220	-	-
1 1/4" x 1"	365-3225	366-3225	-
1 1/2" x 1/2"	365-4015	366-4015	-
1 1/2" x 3/4"	365-4020	-	-
1 1/2" x 1"	365-4025	-	-
1 1/2" x 1 1/4"	365-4032	366-4032	-
2" x 3/4"	365-5020	-	-
2" x 1"	365-5025	366-5025	367-5025
2" x 1 1/4"	365-5032	-	-
2" x 1 1/2"	365-5040	366-5040	367-5040
2 1/2 x 1 1/2"	365-6540	366-6540	-
2 1/2" x 2"	365-6550	366-6550	367-6550
3" x 1"	365-8025	-	-
3" x 1 1/2"	365-8040	-	-
3" x 2"	365-8050	366-8050	367-8050
3" x 2 1/2"	365-8065	366-8065	367-8065
4" x 2"	365-9050	366-9050	-
4" x 2 1/2"	365-9065	366-9065	-
4" x 3"	365-9080	366-9080	367-9080
5" x 3"	365-12580	-	-
5" x 4"	365-125100	366-125100	-
6" x 2 1/2"	365-15065	-	-
6" x 3"	365-15080	366-15080	-
6" x 4"	365-150100	366-150100	367-150100
6" x 5"	365-150125	366-150125	-
8" x 4"	365-200100	366-200100	-
8" x 5"	365-200125	366-200125	-
8" x 6"	365-200150	366-200150	367-200150

		
Size	Caps	Tees
1/2"	-	364-015
3/4"	-	364-020
1"	368-025	364-025
1 1/4"	368-032	364-032
1 1/2"	368-040	364-040
2"	368-050	364-050
2 1/2"	368-065	364-065
3"	368-080	364-080
4"	368-100	364-100
5"	368-125	364-125
6"	368-150	364-150
8"	368-200	364-200
10"	368-250	364-250
12"	368-300	364-300

STANDARD WEIGHT -
ASTN A234 WPB ANSI
B16.9, SHED 40

ALSO AVAILBLE IN L/W
& EXTRA HEAVY DUTY

STAINLESS STEEL BUTTWELD



D

Size	Elbow S/R SCH 10	Elbow S/R SCH 40	Elbow S/R Tube
1/2"	361SS10-015	361SS40-015	361SS-015
3/4"	361SS10-020	361SS40-020	361SS-020
1"	361SS10-025	361SS40-025	361SS-025
1 1/4"	361SS10-032	361SS40-032	361SS-032
1 1/2"	361SS10-040	361SS40-040	361SS-040
2"	361SS10-050	361SS40-050	361SS-050
2 1/2"	361SS10-065	361SS40-065	361SS-065
3"	361SS10-080	361SS40-080	361SS-080
4"	361SS10-100	361SS40-100	361SS-100
5"	361SS10-125	361SS40-125	361SS-125
6"	361SS10-150	361SS40-150	361SS-150

Size	Elbow L/R SCH 10	Elbow L/R SCH 40	Elbow L/R Tube
1/2"	362SS10-015	362SS40-015	362SS-015
3/4"	362SS10-020	362SS40-015	362SS-020
1"	362SS10-025	362SS40-025	362SS-025
1 1/4"	362SS10-032	362SS40-032	362SS-032
1 1/2"	362SS10-040	362SS40-040	362SS-040
2"	362SS10-050	362SS40-050	362SS-050
2 1/2"	362SS10-065	362SS40-065	362SS-065
3"	362SS10-080	362SS40-080	362SS-080
4"	362SS10-100	362SS40-100	362SS-100
5"	362SS10-125	362SS40-125	362SS-125
6"	362SS10-150	362SS40-150	362SS-150

Size	Cap SCH 40
1/2"	368SS40-015
3/4"	368SS40-020
1"	368SS40-025
1 1/4"	368SS40-032
1 1/2"	368SS40-040
2"	368SS40-050
2 1/2"	368SS40-065
3"	368SS40-080
4"	368SS40-100
5"	368SS40-125
6"	368SS40-150



Size	Tees SCH 10	Tees SCH 40	Tees Tube
1/2"	364SS10-015	364SS40-015	364SS-015
3/4"	364SS10-020	364SS40-020	364SS-020
1"	364SS10-025	364SS40-025	364SS-025
1 1/4"	364SS10-032	364SS40-032	364SS-032
1 1/2"	364SS10-040	364SS40-040	364SS-040
2"	364SS10-050	364SS40-050	364SS-050
2 1/2"	364SS10-065	364SS40-065	364SS-065
3"	364SS10-080	364SS40-080	364SS-080
4"	364SS10-100	364SS40-100	364SS-100
5"	364SS10-125	364SS40-125	364SS-125
6"	364SS10-150	364SS40-150	364SS-150

Size	Elbow 45 o SCH 10	Elbow 45o SCH 40	Elbow 45o Tube
1/2"	363SS10-015	363SS40-015	363SS-015
3/4"	363SS10-020	363SS40-020	363SS-020
1"	363SS10-025	363SS40-025	363SS-025
1 1/4"	363SS10-032	363SS40-032	363SS-032
1 1/2"	363SS10-040	363SS40-040	363SS-040
2"	363SS10-050	363SS40-050	363SS-050
2 1/2"	363SS10-065	363SS40-065	363SS-065
3"	363SS10-080	363SS40-080	363SS-080
4"	363SS10-100	363SS40-100	363SS-100
5"	363SS10-125	363SS40-125	363SS-125
6"	363SS10-150	363SS40-150	363SS-150



STAINLESS STEEL BUTTWELD

D



Size	Eccentric Reducer SCH 10	Eccentric Reducer SCH 40	Eccentric Reducer Tube
1 1/2" x 1/2"	366SS10-4015	366SS40-4015	366SS-4015
1 1/2" x 3/4"	366SS10-4020	366SS40-4020	366SS-4020
1 1/2" x 1"	366SS10-4025	366SS40-4025	366SS-4025
2" x 1"	366SS10-5025	366SS40-5025	366SS-5025
2" x 1 1/4"	366SS10-5032	366SS40-5032	366SS-5032
2" x 1 1/2"	366SS10-5040	366SS40-5040	366SS-5040
2 1/2" x 2"	366SS10-6550	366SS40-6550	366SS-6550
3" x 2"	366SS10-8050	366SS40-8050	366SS-8050
3" x 2 1/2"	366SS10-8065	366SS40-8065	366SS-8065
4" x 2"	366SS10-9050	366SS40-9050	366SS-9050
4" x 2 1/2"	366SS10-9065	366SS40-9065	366SS-9065
4" x 3"	366SS10-9080	366SS40-9080	366SS-9080
6" x 3"	366SS10-9580	366SS40-9580	366SS-9580
6" x 4"	366SS10-9590	366SS40-9590	366SS-9590

Size	Concentric Reducer SCH 10	Concentric Reducer SCH 40	Concentric Reducer Tube
3/4" x 1/2"	365SS10-2015	365SS40-2015	-
1" x 1/2"	365SS10-2515	365SS40-2515	365SS-2515
1" x 3/4"	365SS10-2520	365SS40-2520	365SS-2520
1 1/4" x 1/2"	365SS10-3215	365SS40-3215	-
1 1/4" x 3/4"	365SS10-3220	365SS40-3220	-
1 1/4" x 1"	365SS10-3225	365SS40-3225	365SS-3225
1 1/2" x 1/2"	365SS10-4015	365SS40-4015	-
1 1/2" x 3/4"	365SS10-4020	365SS40-4020	-
1 1/2" x 1"	365SS10-4025	365SS40-4025	365SS-4025
2" x 1"	365SS10-5025	365SS40-5025	365SS-5025
2" x 1 1/4"	365SS10-5032	365SS40-5032	-
2" x 1 1/2"	365SS10-5040	365SS40-5040	365SS-5040
2 1/2" x 2"	365SS10-6550	365SS40-6550	365SS-6550
3" x 1 1/2"	365SS10-8040	365SS40-8040	365SS-8040
3" x 2"	365SS10-8050	365SS40-8050	365SS-8050
3" x 2 1/2"	365SS10-8065	365SS40-8065	365SS-8065
4" x 1 1/2"	365SS10-9040	365SS40-9040	-
4" x 2"	365SS10-9050	365SS40-9050	365-9050
4" x 2 1/2"	365SS10-9065	365SS40-9065	365SS-9065
4" x 3"	365SS10-9080	365SS40-9080	365SS-9080
5" x 2"	365SS10-12550	365SS40-12550	-
5" x 2 1/2"	365SS10-12565	365SS40-12565	-
5" x 3"	365SS10-12580	365SS40-12580	-
5" x 4"	365SS10-125100	365SS40-125100	-
6" x 2"	365SS10-9550	365SS40-9550	365SS-9550
6" x 3"	365SS10-9580	365SS40-9580	365SS-9580
6" x 4"	365SS10-9590	365SS40-9590	365SS-9590
6" x 5"	365SS10-150125	365SS40-150125	-

BLACK STEEL FLANGES

D






Size of Flange					
	Slip On Tbl "D" Flange	Slip On Tbl "E" Flange	Slip On ANSI 150 R/F Flange	Blind Tbl "E" Flange	Blind ANSI 150 R/F Flange
Size = 1/2"	200-015	204-015	209-015	201E-015	209B-015
Size = 3/4"	200-020	204-020	209-020	201E-020	209B-020
Size = 1"	200-025	204-025	209-025	201E-025	209B-025
Size = 1 1/4"	200-032	204-032	209-032	201E-032	209B-032
Size = 1 1/2"	200-040	204-040	209-040	201E-040	209B-040
Size = 2"	200-050	204-050	209-050	201E-050	209B-050
Size = 2 1/2"	200-065	204-065	209-065	201E-065	209B-065
Size = 3"	200-080	204-080	209-080	201E-080	209B-080
Size = 4"	200-100	204-100	209-100	201E-100	209B-100
Size = 5"	200-125	204-125	209-125	201E-125	-
Size = 6" 165mm Bore	200-150	204-150	209-150	201E-150	209B-150
Size = 6" 168mm Bore	200-152	204-152	-	-	-
Size = 8"	200-200	204-200	209-200	201E-200	209B-200
Size = 10"	200-250	204-250	209-250	201E-250	209B-250
Size = 12"	200-300	204-300	209-300	201E-300	209B-300

Size Bsp				
	Table "E" Screwed Flange	ANSI 150 Screwed BSP Flange	ANSI 150 Screwed NPT Flange	ANSI 150 Weld Neck Flange
Size = 1/2"	R23-E015	-	209TN-015	209WN-015
Size = 3/4"	R23-E020	-	209TN-020	209WN-020
Size = 1"	R23-E025	209TB-025	209TN-025	209WN-025
Size = 1 1/4"	R23-E032	-	209TN-032	209WN-032
Size = 1 1/2"	R23-E040	209TB-040	209TN-040	209WN-040
Size = 2"	R23-E050	209TB-050	209TN-050	209WN-050
Size = 2 1/2"	R23-E065	-	209TN-065	209WN-065
Size = 3"	R23-E080	209TB-080	209TN-080	209WN-080
Size = 4"	R23-E100	209TB-100	209TN-100	209WN-100
Size = 6"	-	-	-	209WN-150
Size = 8"	-	-	-	209WN-200
Size = 10"	-	-	-	209WN-250
Size = 12"	-	-	-	209WN-300



STAINLESS STEEL FLANGES

D

Size of Flange					
	Slip On Tbl "D" Tube Flange	Slip On Tbl "E" Tube Flange	Slip On Tbl "D" Pipe Flange	Slip On Tbl "E" Pipe Flange	Slip On ANSI 150 Pipe Flange
Size = 1/2"	W57-015	W58-015	W59-015	W60-015	W61-015
Size = 3/4"	W57-020	W58-020	W59-020	W60-020	W61-020
Size = 1"	W57-025	W58-025	W59-025	W60-025	W61-025
Size = 1 1/4"	W57-032	W58-032	W59-032	W60-032	W61-032
Size = 1 1/2"	W57-040	W58-040	W59-040	W60-040	W61-040
Size = 2"	W57-050	W58-050	W59-050	W60-050	W61-050
Size = 2 1/2"	W57-065	W58-065	W59-065	W60-065	W61-065
Size = 3"	W57-080	W58-080	W59-080	W60-080	W61-080
Size = 4"	W57-100	W58-100	W59-100	W60-100	W61-100
Size = 5"	W57-125	W58-125	W59-125	W60-125	W61-125
Size = 6"	W57-150	W58-150	W59-150	W60-150	W61-150
Size = 8"	-	W58-200	W59-200	W60-200	W61-200

Size Bsp					
	Table "E" Blind Flange	ANSI 150 Blind Flange	Table "E" Screwed Flange	ANSI 150 Screwed BSP Flange	ANSI 150 Screwed NPT Flange
Size = 1/2"	W63-015	W64-015	W23-015	W24-015-	W24-015N
Size = 3/4"	W63-020	W64-020	W23-020	W24-020	W24-020N
Size = 1"	W63-025	W64-025	W23-025	W24-025	W24-025N
Size = 1 1/4"	W63-032	W64-032	W23-032	W24-032	W24-032N
Size = 1 1/2"	W63-040	W64-040	W23-040	W24-040	W24-040N
Size = 2"	W63-050	W64-050	W23-050	W24-050	W24-050N
Size = 2 1/2"	W63-065	W64-065	W23-065	W24-065	W24-065N
Size = 3"	W63-080	W64-080	W23-080	W24-080	W24-080N
Size = 4"	W63-100	W64-100	W23-100	W24-100	W24-100N
Size = 5"	W63-125	W64-125	-	-	-
Size = 6"	W63-150	W64-150	W23-150	-	-
Size = 8"	W63-200	W64-200	-	-	-

NOTES:

Lined area for notes.

D



E



RYCO



GAUGES

NITTO

BLOW GUNS



TYRE INFLATORS

REGULATORS

BRASS AIRLINE











OETIKER COUPLINGS



BRASS AIR FITTINGS & COUPLINGS

E

72...	MALE HOSETAIL (NO P3) SWIVEL HOSETAIL (NO SP3) NUT & TAIL (NO P5) MALE ELBOW (NO P6) HOSE JOINER (NO P7) HOSE JOINER RED (NO P7R)	
73...	FEMALE HOSETAIL (NO P10) HOSE ELBOW (NO P11) MALE TEE (NO P12) 3-WAY HOSE TEE (NO P14)	
74...	RYCO 200-290 SERIES COUPLINGS	
75...	NITTO HI COUPLERS BLOW GUNS TYRE INFLATORS	
76...	AIRLINE REGULATORS SILENCERS	
77...	TEMA COUPLINGS TEMA DIVERS COUPLINGS	
78...	GAUGES THREAD TAPE	
79...	OETIKER SC SWING COUPLING	

All dimensions and weights are nominal and subject to change.

AIRLINE FITTINGS

MALE HOSETAIL (NO P3)

Hose x BSP	Product Code
1/8" x 1/8"	590-0303
3/16" x 1/8"	590-0503
1/4" x 1/8"	590-0603
1/4" x 1/4"	590-0606
1/4" x 3/8"	590-0610
1/4" x 1/2"	590-0612
5/16" x 1/8"	590-0803
5/16" x 1/4"	590-0806
5/16" x 3/8"	590-0810
5/16" x 1/2"	590-0812
3/8" x 1/8"	590-1003
3/8" x 1/4"	590-1006
3/8" x 3/8"	590-1010
3/8" x 1/2"	590-1012
1/2" x 1/8"	590-1203
1/2" x 1/4"	590-1206
1/2" x 3/8"	590-1210
1/2" x 1/2"	590-1212
1/2" x 3/4"	590-1220
5/8" x 1/4"	590-1606
5/8" x 3/8"	590-1610
5/8" x 1/2"	590-1612
5/8" x 3/4"	590-1620
3/4" x 3/8"	590-2010
3/4" x 1/2"	590-2012
3/4" x 3/4"	590-2020
3/4" x 1"	590-2025
1" x 1/2"	590-2512
1" x 3/4"	590-2520
1" x 1"	590-2525



SWIVEL HOSETAIL (NO SP3)

Hose x BSP	Product Code
1/4" x 1/4"	590S-4006
3/8" x 3/8"	590S-4010
1/2" x 1/2"	590S-4012
3/4" x 3/4"	590S-4020
1" X 1"	590S-4025



MALE ELBOW HOSETAIL (NO P6)

Hose x BSP	Product Code
3/16" x 1/8"	592-0503
1/4" x 1/8"	592-0603
1/4" x 1/4"	592-0606
1/4" x 3/8"	592-0610
5/16" x 1/8"	592-0803
5/16" x 1/4"	592-0806
5/16" x 3/8"	592-0810
3/8" x 1/8"	592-1003
3/8" x 1/4"	592-1006
3/8" x 3/8"	592-1010
3/8" x 1/2"	592-1012
1/2" x 1/4"	592-1206
1/2" x 3/8"	592-1210
1/2" x 1/2"	592-1212
1/2" x 3/4"	592-1220
5/8" x 3/8"	592-1610
5/8" x 1/2"	592-1612
3/4" x 1/2"	592-2012
3/4" x 3/4"	592-2020
1" x 1"	592-2525



NUT & TAIL (NO P5)

Hose x BSP	Product Code
3/16" x 1/8"	591-0503
3/16" x 1/4"	591-0506
1/4" x 1/4"	591-0606
1/4" x 3/8"	591-0610
1/4" x 1/2"	591-0612
5/16" x 1/4"	591-0806
5/16" x 3/8"	591-0810
5/16" x 1/2"	591-0812
3/8" x 1/4"	591-1006
3/8" x 3/8"	591-1010
3/8" x 1/2"	591-1012
1/2" x 3/8"	591-1210
1/2" x 1/2"	591-1212
1/2" x 3/4"	591-1220
5/8" x 1/4"	591-1606
5/8" x 3/8"	591-1610
3/4" x 3/4"	591-2020
1" x 1"	591-2525



HOSE JOINER (No P7)

Hose x Hose	Product Code
3/16" x 3/16"	593-0005
1/4" x 1/4"	593-0006
5/16" x 5/16"	593-0008
3/8" x 3/8"	593-0010
1/2" x 1/2"	593-0012
5/8" x 5/8"	593-0016
3/4" x 3/4"	593-0020
1" x 1"	593-0025



HOSE JOINER REDUCING (No P7R)

Hose x Hose	Product Code
3/8" x 1/4"	593RJ-1006
1/2" x 3/8"	593RJ-1210
3/4" x 1/2"	593RJ-2012

E

AIRLINE FITTINGS

FEMALE HOSETAIL (No P10)



Hose x BSP	Product Code
3/16" x 1/8"	593-0503
3/16" x 1/4"	593-0506
1/4" x 1/8"	593-0603
1/4" x 1/4"	593-0606
1/4" x 3/8"	593-0610
1/4" x 1/2"	593-0612
5/16" x 1/8"	593-0803
5/16" x 1/4"	593-0806
5/16" x 3/8"	593-0810
5/16" x 1/2"	593-0812
3/8" x 1/8"	593-1003
3/8" x 1/4"	593-1006
3/8" x 3/8"	593-1010
3/8" x 1/2"	593-1012
1/2" x 1/4"	593-1206
1/2" x 3/8"	593-1210
1/2" x 1/2"	593-1212
5/8" x 3/8"	593-1610
5/8" x 1/2"	593-1612
3/4" x 1/2"	593-2012
3/4" x 3/4"	593-2020

3-WAY HOSE TEE (No P14)



Hose (All)	Product Code
3/16"	595-0005
1/4"	595-0006
5/16"	595-0008
3/8"	595-0010
1/2"	595-0012
5/8"	595-0016
3/4"	595-0020
1"	595-0025

HOSE ELBOW (No P11)



Hose x Hose	Product Code
3/16" x 3/16"	593-4005
1/4" x 1/4"	593-4006
5/16" x 5/16"	593-4008
3/8" x 3/8"	593-4010
1/2" x 1/2"	593-4012
5/8" x 5/8"	593-4016
3/4" x 3/4"	593-4020

MALE HOSETAIL TEE (No P12)



Hose x BSP	Product Code
3/16" x 1/8"	594-0503
1/4" x 1/8"	594-0603
1/4" x 1/4"	594-0606
5/16" x 1/8"	594-0803
5/16" x 1/4"	594-0806
3/8" x 1/8"	594-1003
3/8" x 1/4"	594-1006
3/8" x 3/8"	594-1010
3/8" x 1/2"	594-1012
1/2" x 3/8"	594-1210
1/2" x 1/2"	594-1212
5/8" x 3/8"	594-1610
5/8" x 1/2"	594-1612
3/4" x 1/2"	594-2012
3/4" x 3/4"	594-2020

Y PIECE (No P75)



Hose	Product Code
3/16"	595-1005
1/4"	595-1006
5/16"	595-1008
3/8"	595-1010
1/2"	595-1012

RYCO 290, 200 SERIES

Hard Wearing, Long Lasting, One Touch Operation, Hardened Sleeve.
Rated at an amazing 2500 litres / minute (90CFM). These couplings connect directly onto existing Ryco 200 and 200S style nipples.

E

290 SERIES TAIL COUPLING



Product Code	Description	Ryco Code
520-296	1/4" Hose	296
520-297	5/16" Hose	297A
520-298	3/8" Hose	298
520-299	1/2" Hose	299

200 - 290 SERIES TAIL ADAPTORS



Product Code	Description	Ryco Code
523-205	1/4" Hose	205
523-206	5/16" Hose	206
523-207	3/8" Hose	206A

290 SERIES MALE COUPLING



Product Code	Description	Ryco Code
519-291	1/4" Male BSP	291
519-293	3/8" Male BSP	293
519-295	1/2" Male BSP	295

200 - 290 SERIES MALE ADAPTORS



Product Code	Description	Ryco Code
521-204	1/8" Male BSP	204
521-202	1/4" Male BSP	202
521-251S	3/8" Male BSP	251S
521-252S	1/2" Male BSP	252S

290 SERIES FEMALE COUPLINGS



Product Code	Description	Ryco Code
518-290	1/4" Female BSP	290
518-292	3/8" Female BSP	292
518-294	1/2" Female BSP	294

200 - 290 SERIES FEMALE ADAPTORS



Product Code	Description	Ryco Code
522-203	1/4" Female BSP	203
522-266	3/8" Female BSP	266S
522-270S	1/2" Female BSP	270S

200 SERIES FEMALE COUPLINGS



Product Code	Description	Ryco Code
515-200	1/4" Female BSP	200
515-243	3/8" Female BSP	243

200 SERIES MALE COUPLINGS



Product Code	Description	Ryco Code
516-201	1/4" Male BSP	201
516-244	3/8" Male BSP	244

200 SERIES FEMALE COUPLINGS



Product Code	Description	Ryco Code
517-245	1/4" Hosetail	245
517-240	5/16" Hosetail	240
517-241	3/8" Hosetail	241



NITTO HI-CUPLA



NITTO HOSETAIL HI COUPLER



Product Code	Description	Nitto Code
539-007	1/4" Hose	20SH
539-008	3/8" Hose	30SH
539-009	1/2" Hose	40SH

NITTO HOSETAIL HI ADAPTOR



Product Code	Description	Nitto Code
539-016	1/4" Hose	20PH
539-017	3/8" Hose	30PH
539-018	1/2" Hose	40PH

NITTO MALE HI COUPLER



Product Code	Description	Nitto Code
539-001	1/4" Male BSP	20SM
539-002	3/8" Male BSP	30SM
539-003	1/2" Male BSP	40SM

NITTO MALE HI ADAPTOR



Product Code	Description	Nitto Code
539-010	1/4" Male BSP	20PM
539-011	3/8" Male BSP	30PM
539-012	1/2" Male BSP	40PM

NITTO FEMALE HI COUPLER



Product Code	Description	Nitto Code
539-004	1/4" Female BSP	20SF
539-005	3/8" Female BSP	30SF
539-006	1/2" Female BSP	40SF

NITTO FEMALE HI ADAPTOR



Product Code	Description	Nitto Code
539-013	1/4" Female BSP	20PF
539-014	3/8" Female BSP	30PF
539-015	1/2" Female BSP	40PF

BLOW GUNS & TYRE INFLATORS



Product Code:
599-0003
Squeeze grip blow gun
1/4" FBSP.



Product Code: 599-3001
301 Clip on chuck 1/4"
FBSP



Product Code: 599-3004
Tyre inflator, Features Include:

- Die cast Aluminium body
- Magnified sight glass
- Dual hold on chuck
- Dual scale reader unit
0-138psi and 0-940kpa
- 1/4" FBSP
- Made in the UK

AIRLINE REGULATORS

E



1/4" MINI FILTER REGULATOR

Product Code: 599-3005

- 1/4" BSP inlet/outlet
- Maximum working pressure 150 psi
- Semi auto water Drain
- Polycarbonate bowl
- Compact size
- Manual drain plug
- Filter rating 5 micron



1/4" FILTER REGULATOR

Product Code: 599-3006

- 1/4" BSP inlet/outlet
- Maximum working pressure 150 psi
- Automatic water Drain
- Polycarbonate bowl with metal guard
- Robust metal construction
- Semi auto drain plug
- Filter rating 5 micron



1/4" FILTER REGULATOR AND LUBRICATOR

Product Code: 599-3007

- 1/4" BSP inlet/outlet
- Maximum working pressure 150 psi
- High Visibility for lubricant drop
- Automatic water Drain
- Polycarbonate bowl with metal guard
- Robust metal construction
- Semi auto drain plug
- Filter rating 5 micron

SILENCERS



Size	Standard Silencer	Compact Silencer
	Product Code	Product Code
1/8"	-	SMC-AN103
1/4"	SMC-AN200	SMC-AN203
3/8"	SMC-AN300	SMC-AN303
1/2"	SMC-AN400	SMC-AN403

TEMA

Standard Tema Couplings

Tema Coupler to Female Bsp



Product Code	Size	Tema Code
690-003	1/8"	2310
690-006	1/4"	2510
690-010	3/8"	3810
690-012	1/2"	5010
690-020	3/4"	7510
690-025	1"	10010
690-038	1 1/2"	15010
690-050	2"	20010

Tema Coupler to Female Bsp



Product Code	Size	Tema Code
691-003	1/8"	2320
691-006	1/4"	2520
691-010	3/8"	3820
691-012	1/2"	5020
691-020	3/4"	7520
691-025	1"	10020
691-038	1 1/2"	15020
691-050	2"	20020



Tema Cap for Adaptor



Product Code	Size	Tema Code
693-003	1/8"	2326
693-006	1/4"	2526
693-010	3/8"	3826
693-012	1/2"	5026
693-020	3/4"	7526
693-025	1"	10026
693-038	1 1/2"	15026
693-050	2"	20026

Tema Plug for Coupler



Product Code	Size	Tema Code
694-003	1/8"	2316
694-006	1/4"	2516
694-010	3/8"	3816
694-012	1/2"	5016
694-020	3/4"	7516
694-025	1"	10016
694-038	1 1/2"	15016
694-050	2"	20016

Tema Divers Couplings



Tema Coupler to Female Bsp		
Product Code	Size	Tema Code
A10-2510	1/4"	2510ELRF



Tema Adaptor to Female Bsp		
Product Code	Size	Tema Code
A10-2520	1/4"	2510RF

Reusable couplings for Barfell Divers Hose



Product Code	Size	Tema Code
A10-7705	1/4"	N/A



GAUGES

Gauges Available as Bottom entry or Rear entry Liquid filled

- Features include:
- Dual scale,
 - 1/4" Male Bsp thread,
 - 63mm Face,
 - Stainless Steel case

Other types of gauges available, please phone for more information.



Product Code B/Entry	Pressure Range PSI/KPA
765-0015	15 psi/ 100 kpa
765-0035	35 psi/ 250 kpa
765-0055	55 psi/ 400 kpa
765-0085	85 psi/ 600 kpa
765-0115	115 psi/ 800 kpa
765-0145	145 psi/ 1000 kpa
765-0230	230 psi/ 1600 kpa
765-0350	350 psi/ 2500 kpa
765-0580	580 psi/ 4000 kpa
765-1150	1150 psi/ 8000 kpa
765-1500	1500 psi/ 10000 kpa
765-2320	2320 psi/ 16000 kpa
765-3500	3500 psi/ 25000 kpa
765-5800	5800 psi/ 40000 kpa

Product Code R/Entry	Pressure Range PSI/KPA
767-0015	15 psi/ 100 kpa
767-0035	35 psi/ 250 kpa
767-0085	85 psi/ 600 kpa
767-0115	115 psi/ 800 kpa
767-0145	145 psi/ 1000 kpa
767-0230	230 psi/ 1600 kpa
767-0350	350 psi/ 2500 kpa
767-0580	580 psi/ 4000 kpa
767-1150	1150 psi/ 8000 kpa
767-2320	2320 psi/ 16000 kpa
767-3500	3500 psi/ 25000 kpa
767-5800	5800 psi/ 40000 kpa

THREAD TAPE



Product Code: 590-0000

White PTFE Thread Tape
12mm x 10m Long



Product Code: 590-0001

Yellow Gas Thread Tape
12mm x 10m Long. AGA
approval #4867

OETIKER SC- SWING COUPLINGS

E

The Oetiker Swing Coupling minimizes pressure loss and offers a FLOW RATE UP TO 60% HIGHER than a standard airline coupling. The Oetiker SC Swing Coupling has a unique two stage self venting system that expels the air from the down stream line preventing any hose whip and insuring a safe working environment. Oetiker Swing Couplings are available in nominal sizes DN6, DN8, and DN11. They are compatible with most popular plug systems. The SC coupling has an operating pressure up to 25 bar and a disconnection pressure up to 15 bar and is also suitable for technical vacuums up to 100mbar. The SC Coupling has an operating temperature of -20 Deg to + 100 Deg C. Higher temperatures and pressures are obtainable through the use of different seals.

Connection:

Insert the plug into coupling and swing approx 90 Deg until orange ring engages in the groove. (No force required)



With the plug engaged you can now achieve maximum flow with minimal or no pressure loss.



Disconnection:

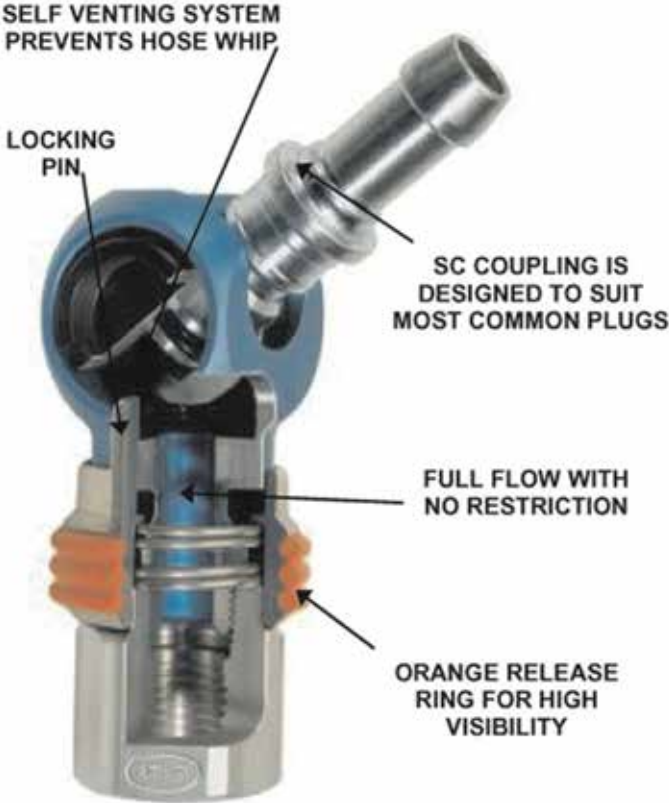
Pull back orange ring (no force required) and swing plug approx 90 Deg to automatically vent the air before adaptor is released.



Remove plug from Coupling. (No force is required)



Cross Section SC Model



Additional sizes and plug types available.

Product Code	Plug Type	Description	Size
524CF-010	Nitto	Coupling x Female Bsp	3/8"
524CF-015	Nitto	Coupling x Female Bsp	1/2"
524CF-006C	Cejn	Coupling x Female Bsp	1/4"
524CM-006	Nitto	Coupling x Male Bsp	1/4"
524CM-010	Nitto	Coupling x Male Bsp	3/8"
524CM-015	Nitto	Coupling x Male Bsp	1/2"
524CM-006C	Cejn	Coupling x Male Bsp	1/4"
524CM-015C	Cejn	Coupling x Male Bsp	1/2"
524CS-008	Nitto	Coupling x Hose Tail	5/16"
524CS-010	Nitto	Coupling x Hose Tail	3/8"
524CS-015	Nitto	Coupling x Hose Tail	1/2"
524CS-010C	Cejn	Coupling x Hose Tail	3/8"
524CS-015C	Cejn	Coupling x Hose Tail	1/2"
524AM-006	Nitto	Adaptor x Male Bsp	1/4"
524AM-010	Nitto	Adaptor x Male Bsp	3/8"
524AM-015	Nitto	Adaptor x Male Bsp	1/2"
524AM-006C	Cejn	Adaptor x Male Bsp	1/4"
524AF-006	Nitto	Adaptor x Female Bsp	1/4"
524AF-010	Nitto	Adaptor x Female Bsp	3/8"
524AF-015	Nitto	Adaptor x Female Bsp	1/2"
524HS-008	Nitto	Adaptor x Hose Tail	5/16"
524HS-010	Nitto	Adaptor x Hose Tail	3/8"
524HS-015	Nitto	Adaptor x Hose Tail	1/2"
524HS-010C	Cejn	Adaptor x Hose Tail	3/8"
524HS-015C	Cejn	Adaptor x Hose Tail	1/2"



F



BAUER
COUPLINGS



WELD ON
BAUERS



FOOTVALVES



STRAINERS



JOINERS



FLANGED
HOSETAILS

DEWATERING

**82... Male Spigot
Female Spigot
Closure Ring
O - Ring
Flanged Ball
Flanged Female
Threaded Male
Threaded Female**



**83... Weld On Male
Weld On Female
Female Cap
Male Plug
Strainer Hosetail
Strainer Threaded**



**84... Flanged Hosetail - Light Duty
Flanged Hosetail - Heavy Duty
Footvalve Hosetail
Footvalve Flanged
Hose Joiners Heavy Duty
Hose Joiner -Light Duty**



All dimensions and weights are nominal and subject to change.

TYPE "B" COUPLING

Male Spigot (Closure ring not included)



Product Code	Size
100-050	2"
100-075	3"
100-090*	3 1/2"
100-100	4"
100-150	6"
100-200	8"

Female Spigot (O - Ring not included)



Product Code	Size
101-050	2"
101-075	3"
101-090*	3 1/2"
101-100	4"
101-150	6"
101-200	8"

* 3 1/2" coupling has 3" Hosetail

Closure Ring



Product Code	Size
104-050	2"
104-075	3"
104-090	3 1/2"
104-100	4"
104-150	6"
104-200	8"

O - Ring



Product Code	Size
105-050	2"
105-075	3"
105-090	3 1/2"
105-100	4"
105-150	6"
105-200	8"

Flanged Ball (C/W Closure Ring)



Product Code	Size
102-050	2"
102-075	3"
102-090	3 1/2"
102-100	4"
102-150	6"
102-200	8"

Flanged Female (O-Ring not included)



Product Code	Size
103-050	2"
103-075	3"
103-090	3 1/2"
103-100	4"
103-150	6"
103-200	8"

Threaded Male (Closure ring not included)



Product Code	Size
109-050	2"
109-075	3"
109-090*	3 1/2"
109-100	4"
109-150	6"
109-200	8"

Threaded Female (O - Ring not included)



Product Code	Size
108-050	2"
108-075	3"
108-090*	3 1/2"
108-100	4"
108-150	6"
108-200	8"

F

TYPE "B" COUPLING

Weld On Male (Closure ring not included)



Product Code	Size
112-050	2"
112-075	3"
112-090	3 1/2"
112-100	4"
112-150	6"
112-200	8"

Weld On Female (O - Ring not included)



Product Code	Size
111-050	2"
111-075	3"
111-090	3 1/2"
111-100	4"
111-150	6"
111-200	8"

F

Female Cap (O - Ring not included)



Product Code	Size
107-050	2"
107-075	3"
107-090	3 1/2"
107-100	4"
107-150	6"
107-200	8"

Male Plug (Closure ring included)



Product Code	Size
106-050	2"
106-075	3"
106-090	3 1/2"
106-100	4"
106-150	6"
106-200	8"

STRAINERS & ACCESSORIES

Strainer Hosetail



Product Code	Size
132-040	1 1/2"
132-050	2"
132-065	2 1/2"
132-080	3"
132-100	4"
132-125	5"
132-150	6"
132-200	8"

Strainer Threaded



Product Code	Size
136-040	1 1/2"
136-050	2"
136-080	3"
136-100	4"
136-150	6"
136-200	8"

STRAINERS & ACCESSORIES



Flanged Hosetail
- Light Duty

Product Code	Size
135-050	2"
135-075	3"
135-100	4"
135-150	6"
135-200	8"



Flanged Hosetail
- Heavy Duty

Tble D Flange	Tble E Flange	Size
875-025	876-025	1"
875-032	876-032	1 1/4"
875-038	876-038	1 1/2"
875-050	876-050	2"
875-063	876-063	2 1/2"
875-075	876-075	3"

Tble D Flange	Tble E Flange	Size
875-100	876-100	4"
875-125	876-125	5"
875-150	876-150	6"
875-200	876-200	8"
875-250	876-250	10"
875-300	876-300	12"

Footvalve Hosetail



Product Code	Size
130-075	3"
130-100	4"
130-150	6"
130-200	8"

Footvalve Flanged



Product Code	Size
131-075	3"
131-100	4"
131-150	6"
131-200	8"
131-250	10"
131-300	12"

Hose Joiner -Light Duty



Product Code	Size
134-075	3"
134-100	4"
134-150	6"

Hose Joiners Heavy Duty



Product Code	Size
609-010	3/8"
609-015	1/2"
609-020	3/4"
609-025	1"
609-032	1 1/4"
609-038	1 1/2"
609-050	2"
609-063	2 1/2"
609-075	3"

Product Code	Size
609-100	4"
609-125	5"
609-150	6"
609-200	8"
609-250	10"
609-300	12"



BOSS
COUPLINGS



G1

MINSUP



SURELOCK



HAMMER
UNIONS



WHIPCHECKS



STOCKINGS



STEAM
FITTINGS



MINING

88
to
89

SAFETY CLAW COUPLINGS, SADDLE CLAMPS, WHIPCHECKS & STOCKINGS



90

BOSS COUPLINGS



G1

91

CAMPBELL FITTINGS



92

COMBINATION NIPPLES, MUFF COUPLINGS



93
to
94

ABCO HAMMER UNIONS



All dimensions and weights are nominal and subject to change.

SAFETY CLAW COUPLINGS & SADDLE CLAMPS

MALE BSP THREAD



Size:	Type A Product Code	Surelock Product Code
3/8"	800-0112	800-1323
1/2"	800-0109	800-1320
3/4"	800-0106	800-1317
1"	800-0103	800-1314
1 1/4"	800-0101	800-1311
1 1/2"	-	800-1307
2"	-	800-1304
3"	-	800-1301

FEMALE BSP THREAD



Size:	Type A Product Code	Surelock Product Code
3/8"	800-0113	800-1324
1/2"	800-0110	800-1321
3/4"	800-0107	800-1318
1"	800-0104	800-1315
1 1/4"	-	-
1 1/2"	-	800-1308
2"	-	800-1305
3"	-	800-1302

HOSETAIL



Size:	Type A Product Code	Surelock Product Code
3/8"	800-0114	800-1325
1/2"	800-0111	800-1322
3/4"	800-0108	800-1319
1"	800-0105	800-1316
1 1/4"	800-0102	800-1313
1 1/2"	-	800-1310
2"	-	800-1306
3"	-	800-1303

WHIP CHECK



Size:	Product Code
1/2" - 1 1/4"	800-2390
1 1/2" - 2"	800-2391
2 1/2" - 4"	800-2392
5" - 6"	800-2393

HOSE STOCKING 2 EYE*

Size I/D (mm)	Size O/D (mm)	Product Code
38	50-60	560-038
45	60-70	560-045
50	70-80	560-050
65	85-100	560-065
90	100-120	560-090
100	120-150	560-100
150	150-190	560-150



* Hose stocking also available with 4 eye. Please quote hose O/D and exact length required when

2 BOLT SADDLE CLAMP



*With no saddles



With saddles

Hose O.D. (mm)	REF #	Product Code
28.6-30.2	J48	608-001*
30.2-34.9	J49	608-002*
36.5-38.9	JX49	608-003*
41.3-46.0	DL14	608-004*
44.5-52.0	DL20	608-005*
53.6-58.3	DL24	608-006*
58.7-66.7	DL32	608-007*
63.5-69.9	DL275	608-008*
69.9-77.8	DL306	608-009*
82.6-88.9	DL350	608-010*
88.9-96.8	400	608-0400
102.4-108.7	463	608-0463
108.0-125.4	525	608-0525
114.3-133.4	550	608-0550
130.2-144.5	600	608-0600
144.5-150.8	639	608-0639
150.8-165.1	675	608-0675
165.1-192.1	769	608-0769
195.3-208.0	818	608-0818
209.6-225.4	875	608-0875
227.0-250.8	988	608-0988
252.4-288.9	1125	608-1125
284.2-330.2	1275	608-1275
309.6-355.6	1360	608-1360
335.0-381.0	1450	608-1450
382.6-444.5	1700	608-1700

SPECIFICATIONS:

Type A Coupling Specifications			
	WP (PSI)	Body Material	Seal
Type A	500	SG Iron ISO1083	Natural Rubber

Surelock Claw Coupling specifications	
Body Material: SG Iron ISO 1083	
Seal: Natural Rubber	
Working Pressure: Refer to Table Below	
Size	WP (PSI)
3/8" - 1 1/4"	1000
1 1/2" - 2"	1000
3"	500

SAFETY CLAW COUPLINGS & SADDLE CLAMPS

BLANK ENDS



Size:	Type A Product Code	Surelock Product Code
3/8 - 1 1/4"	800-0115	800-1326
1 1/2 - 2"	-	800-1329

3 WAY COUPLING



Size:	Type A Product Code	Surelock Product Code
3/8 - 1 1/4"	800-0116	800-1327
1 1/2 - 2"	-	800-1328

TWO BOLT HOSE CLAMPS



Product Code	Hose O.D (mm)
801-029	22-29
801-034	28-34
801-040	32-40
801-049	39-49
801-060	48-60
801-072	56-72
801-076	60-76
801-094	77-94
801-115	94-115
801-145	115-145

LINE STRAINER



Size:	Type A Product Code	Surelock Product Code
3/8 - 1 1/4"	800-9001	800-9003
1 1/2" - 2"	-	800-9004

HOSE CLAW CLAMPS



Product Code	Hose ID (mm)	Hose O.D (mm)
800-2342	1/2"	22-28
800-2343	3/4"	29-34
800-2346	1"	35-40

SEALS



Size:	Type A Product Code
3/8 - 1 1/4"	800-0701

Size:	Surelock Seal Product Code	Surelock High Pressure Seal Product Code
3/8 - 1 1/4"	800-0707	800-0710
1 1/2"	800-0705	800-0708
2"	800-0705	800-0708
3"	800-0706	800-0709

SAFETY LOCKING PINS



	Type A Product Code	Surelock Product Code
Safety Locking Pin	800-1002	800-1002

SPIRAL CLAMP



Hose I/D	Product Code L/Hand Spiral	Product Code R/hand Spiral
2"	750-050	751-050
2 1/2"	750-065	751-065
3"	750-075	751-075
4"	750-100	751-100
5"	750-125	751-125
6"	750-150	751-150
8"	750-200	751-200

G1

BOSS COUPLINGS

MALE STEM



Size	NPT Thread Product Code	BSP Thread Product Code
1/2"	600-0012	600-0012B
3/4"	600-0020	600-0020B
1"	600-0025	600-0025B
1 1/4"	600-0032	600-0032B
1 1/2"	600-0040	600-0040B
2"	600-0050	600-0050B
2 1/2"	600-0065	600-0065B
3"	600-0075	600-0075B
4"	600-0100	600-0100B

DOUBLE SPUD



Size	Product Code
1/2"	606-0012
3/4" & 1"	606-0020
1 1/4" & 1 1/2"	606-0032
2"	606-0050
2 1/2"	606-0065
3"	606-0075

CAP

Size	Product Code
2"	606-5000



G1

STEM



Size	Product Code
1/2"	602-0012
3/4"	602-0020
1"	602-0025
1 1/4"	602-0032
1 1/2"	602-0040
2"	602-0050
2 1/2"	602-0065
3"	602-0075
4"	602-0100

WING NUT



Size	Product Code
1/2"	603-0012
3/4" & 1"	603-0020
1 1/4" & 1 1/2"	603-0032
2"	603-0050
2 1/2"	603-0065
3"	603-0075
4"	603-0100



-SIZES 1/4" to 3/4" 2 Bolt & 4 Gripping fingers
 -SIZES 1/2" to 3" 4 bolt & 2 gripping fingers
 -SIZES 4" to 6" 6 bolt & 3 gripping fingers

MALE SPUD



Size	NPT Thread Product Code	BSP Thread Product Code
1/2"	605-0012	605-0012B
3/4"	605-0020	605-0020B
1"	605-0025	605-0025B
1 1/4"	605-0032	605-0032B
1 1/2"	605-0040	605-0040B
2"	605-0050	605-0050B
2 1/2"	605-0065	605-0065B
3"	605-0075	605-0075B
4"	605-0100	605-0100B



Purpose: To supply a convenient threaded fittings needed to connect two lengths of hose, or a single length to male or female threaded (NPT or BSP) outlet on any type of equipment.
 The Spud part of the coupling serves as one half of the connection and is usually fixed permanently to the equipment. The stem and nut attached (clamped) to the hose is the other half. The two halves are connected or disconnected by rotating the wing nut on the spud, to achieve a mechanical as well as a pressure seal.

FEMALE SPUD



Size	NPT Thread Product Code	BSP Thread Product Code
1/2"	604-0012	604-0012B
3/4"	604-0020	604-0020B
1"	604-0025	604-0025B
1 1/4"	604-0032	604-0032B
1 1/2"	604-0040	604-0040B
2"	604-0050	604-0050B
2 1/2"	604-0065	604-0065B
3"	604-0075	604-0075B
4"	604-0100	604-0100B

Product Code	Hose I.D.	REF #	Hose O.D (mm)
607-027	1/4"	BD	14.3-16.7
607-028	3/8"	CD	17.5-22.0
607-029	1/2"	DD	20.6-23.8
607-001	1/2"	B4	23.8-27.0
607-002	1/2"	B5	27.0-30.2
607-003	3/4"	BU9	30.0-33.0
607-004	3/4"	B9	33.0-38.0
607-005	3/4"	B10	38.1-42.9
607-006	1"	BU14	38.9-43.7
607-007	1"	B14	42.9-49.2
607-008	1"	B15	49.2-54.0
607-008U	1 1/4"	BU18	38.1-45.2
607-009U	1 1/4"	BU19	45.2-53.2
607-009	1 1/4"	B19	54.0-60.3
607-010	1 1/2"	B22	50.8-56.4
607-010U	1 1/2"	BU22	46.0-50.8
607-011	1 1/2"	BU24	55.6-60.3
607-012	1 1/2"	B24	60.3-65.1
607-012B	1 1/2"	B25	65.1-69.9
607-013U	2"	BU28	59.5-64.3
607-014	2"	BU29	63.5-70.6
607-015	2"	B29	69.9-77.8
607-016	2"	B30	78.6-87.3
607-016U	2 1/2"	BU34	78.6-87.3
607-017	2 1/2"	B34	88.9-100.0
607-017U	3"	BU35	88.9-100.0
607-018	3"	B35	96.8-103.2
607-019	3"	B39	103.2-112.7
607-020	3"	BS39	108.0-122.2
607-021	4"	B45	117.5-127.0
607-022	4"	BS49	123.8-133.4
607-023	4"	BU49	133.4-142.1
607-024	4"	B49	140.5-150.8
607-025	6"	750	174.6-187.3
607-026	6"	850	190.5-203.2

Services: All-purpose hose coupling universally recommended for steam hose connections and air compressors.

CAMPBELL FITTINGS

STEM



Hose I.D.	Product Code
12.5	733-012
19.0	733-020
25.0	733-025
32.0	733-032
38.0	733-038
51.0	733-050

WING NUT



Hose I.D.	Product Code
12.5	736-012
19.0	736-020
25.0	736-025
32.0	736-032
38.0	736-038
51.0	736-050

SINGLE U-BOLT CLAMP

Hose Size	Hose O.D Min	Hose O.D Max	Product Code
12.5	20.6	26.2	741-IC2
19	27.7	34.9	741-IC3

FEMALE SPUD



Hose I.D.	Product Code
12.5	737-012
19.0	737-020
25.0	737-025
32.0	737-032
38.0	737-038
51.0	737-050

VITON O-RING

Hose I.D.	Product Code
12.5	735-012
19.0	735-020
25.0	735-025
32.0	735-032
38.0	735-038
51.0	735-050

DOUBLE U-BOLT CLAMP

Hose Size	Hose O.D Min	Hose O.D Max	Product Code
25	33.3	38.1	741-IC4
25	38.1	42.9	741-IC4L
32	39.6	50.1	741-IC5
38	49.3	55.6	741-IC6
38	55.6	60.3	741-IC6L
51	59.4	68.3	741-IC8
51	68.3	74.7	741-IC8L

G1

KNURLED NUT

Product Code	Hose I.D (mm)
736-000	19.0-25.0



INTERLOCKING HOSE JOINERS



I.D (mm)	Product Code
12.5	740-012
19.0	740-020
25.0	740-025
32.0	740-032
38.0	740-038
51.0	740-050



Seals completely around the hose and fitting creating what can be considered an adjustable ferrule. This 360° feature, combined with the machined serration, provides superior hose sealing/retention capabilities. All the bolts are tightened from the top making it much easier and faster to assemble. Only one side of the assembly has bolts to snag, instead of both sides on the old-style two and four bolt clamps. The U-Bolt clamps can be used on any hose fitting designed to accept an interlocking style clamp.

MALE SPUD



Hose I.D.	Product Code
12.5	738-012
19.0	738-020
25.0	738-025
32.0	738-032
38.0	738-038
51.0	738-050

DOUBLE SPUD



Hose I.D.	Product Code
12.5	739-012
19.0	739-020
25.0	739-025
32.0	739-032
38.0	739-038
51.0	739-050



MALE STEM



Hose I.D.	Product Code
6.4	730-006
9.5	730-010
12.5	730-012
19.0	730-020
25.0	730-025
32.0	730-032
38.0	730-038
51.0	730-050

VITON NPT THREADED STEM



Hose I.D.	Product Code
19.0	734-020
25.0	734-025
32.0	734-032
38.0	734-038
51.0	734-050

The ground joint viton seal coupling provides a metal to metal mating area for strength plus a steam approved Dupont viton ring on the stem as secondary seal for a superior leak proof connection. The coupling passes the 1000 hour Mil-H-29210 steam resistance test and Campbell's strict hydrostatic test with the wing nut tightened only by hand. The O-ring fills in the dents and scratches caused by everyday wear and tear, eliminating costly leaks.



COMBINATION NIPPLES



B.S.P. COMBINATION NIPPLE

NPT COMBINATION NIPPLE

BEVELLED END COMBINATION NIPPLE

G1

Product Code	Size (mm)
610-012	12.5
610-020	19.0
610-025	25.0
610-032	32.0
610-038	38.0
610-050	51.0
610-063	63.0
610-075	76.0
610-100	102.0
610-125	127.0
610-150	152.0
610-200	204.0

Product Code	Size (mm)
611-012	12.5
611-020	19.0
611-025	25.0
611-032	32.0
611-038	38.0
611-050	51.0
611-063	63.0
611-075	76.0
611-100	102.0
611-125	127.0
611-150	152.0
611-200	204.0

Product Code	Size (mm)
R28-020	19.0
R28-025	25.0
R28-032	32.0
R28-038	38.0
R28-050	51.0
R28-063	63.0
R28-075	76.0
R28-100	102.0
R28-125	127.0
R28-150	152.0
R28-200	204.0

MUFF COUPLINGS

Aluminium



Product Code	Size (mm)
900-050AL	50
900-075AL	75
900-100AL	100
900-125AL	125
900-150AL	150
900-200AL	200
900-250AL	250
900-300AL	300
900-350AL	350
900-400AL	400

Cast Iron



Product Code	Size (mm)
900-050CI	50
900-075CI	75
900-100CI	100
900-125CI	125
900-150CI	150
900-200CI	200
900-250CI	250
900-300CI	300
900-350CI	350
900-400CI	400

ABCO HAMMER UNIONS

ABCO Unions are available with line pipe, tubing, butt weld or seal end connections and provide a full line ranging from 1" to 12" withstanding pressures up to 22,500 psi.

- Unions are interchangeable with other name manufacturers. Various ABCO designs provide positive sealing for all pressures and applications.
- For low pressure services the conical and spherical faces of the male and female subs respectively form an effective metal to metal seal.
- For medium pressure a nitrile O-ring is additionally provided in the male sub (using the metal to metal as a zero clearance extrusion gap)
- For high pressure a lip type seal ring of nitrile with a metal backup is provided.
- The seal protect the secondary metal from corrosion and also limit fluid flow turbulence
- Viton seals are provided for sour gas service.

ABCO low pressure unions are manufactured from ASTM A-105 and high pressure Unions (6,000 psi and above) are manufactured from weldable grade AISI 4130 material.

- The sour gas service unions meet NACE-MR-01-75

ABCO specially modified materials are designed to meet Charpy requirements and at -30 deg C or -50 deg C ABCO flow line products are type approved by Det Norske Veritas. They meet API 6A and/or API 16C requirements. They also meet BSS 5750 Part 1, NS-5801, ABS and Lyod's certification.

All ABCO products come with full traceability.



FIGURE 100

Product Code: 820-100T (SIZE)

- Cold working Pressure 1,000 psi (69 bar)
- Low pressure union. Manifold and general service



FIGURE 200

Product Code: 820-200T (SIZE)

- Cold working Pressure 2,000 psi (138 bar)
- General purpose union
- Threaded and butt weld ends



FIGURE 206

Product Code: 820-206T (SIZE)

- Cold working Pressure 2,000 psi (138 bar)
- O ring in metal sub improves sealing and extends service life.
- Cup and cone provide zero clearance against extrusion
- Threaded and buttweld end



FIGURE 207

Product Code: 820-207T (SIZE)

- Cold working Pressure 2,000 psi (138 bar)
- Manifold and blanking the end of line, o-ring cap provides leak free seal, threaded and weld end. Connection cap can be tapped for pressure gauge or valve.



FIGURE 300

Product Code: 820-300T (SIZE)

- Cold working Pressure 2,000 psi (138 bar)
- Flat face design facilitates straight breakout of connected components such as valve or fittings for repair or inspection



FIGURE 400

Product Code: 820-400T (SIZE)

- Cold working Pressure 4,000 psi (276 bar) for 2" through 4" sizes, for 5" to 12" sizes cold working pressure is 2,500 psi (172 bar) mud



FIGURE 600

Product Code: 820-600T (SIZE)

- Cold working Pressure 6,000 psi (414 bar)
- Used for steam service, well servicing and boiler connection
- Primary seal is bronze to prevent corrosion and absorb expansion and contraction



FIGURE 602

Product Code: 820-602T (SIZE)

- Cold working Pressure 6,000 psi (414 bar)
- Lip type elastomer seal protects metal-to-metal seal and seal design reduces turbulence in the line
- Usage mainly in manifold and mud service.

ABCO HAMMER UNIONS

G1



FIGURE 1002
Product Code: 820-1002T (SIZE)

- Cold working Pressure 10,000 psi (690 bar) 1" through 4" sizes, for 5" and 6" sizes, cold working pressure is 7,500 psi (517 bar)
- Fiel replaceable lip type elastomer seal protects secondary metal-to-metal seal



FIGURE 1003
Product Code: 820-1003T (SIZE)

- Cold working Pressure 10,000 psi (690 bar) 2" through 3" sizes, for 4" to 5" sizes cold working pressure is 7,500 psi (517 bar)
- These misaligning union are used in high pressure applications where the lines are not aligned.
- 7 deg line misalignment accepted



FIGURE 1502
Product Code: 820-1502T (SIZE)

- Cold working Pressure 15,000 psi (1,034 bar)
- Used mainly in choke/kill lines, cementing, fracturing and testing
- Available in threaded, buttweld and non-pressure thread sealing pads



FIGURE 2202
Product Code: 820-2202T (SIZE)

- Cold working Pressure 15,000 psi (1,034 bar)
- Used in sour gas services
- Meets Nace MR-01-75 standards
- Butt weld only
- Painted green for easy identification

Figure Number	Assembly Color Key Standard Service	Pressure Rating (PSI)				Nominal Pipe Size																				
		Standard Service		Sour Gas Service		(in)	1	1 ¼	1 ½	2	2 ½	3	4	5	6	8	10	12								
		Cold Working	Test	Cold Working	Test	(mm)	25	32	40	50	65	80	100	125	150	200	250	300								
100		1,000	1,500	n/a	n/a																					
200		2,000	3,000	n/a	n/a																					
206		2,000	3,000	n/a	n/a																					
207		2,000	3,000	n/a	n/a																					
300		2,000	3,000	n/a	n/a																					
400		2,500	3,750	2,500	3,750																					
400		4,000	6,000	4,000	6,000																					
600		6,000	9,000	n/a	n/a																					
602		6,000	9,000	6,000	9,000																					
1002		10,000	15,000	7,500	11,250																					
1002		10,000	15,000	7,500	11,250																					
1003		10,000	15,000	7,500	11,250																					
1502		15,000	22,500	10,000	15,000																					
2202		n/a	n/a	15,000	22,500																					



MILD
STEEL



G2

FERRULES



SLEEVES



BSP



NPT



STAINLESS
STEEL



CAMPBELL CRIMPNOLOGY

98...

CRIMP LOCK HOSE TAILS & CAMLOCKS



G2

99...

COMBINATION NIPPLES



100
to
101...

CRIMP LOCK FERRULES



102...

CRIMPNOLOGY SLEEVES



All dimensions and weights are nominal and subject to change.

CRIMP LOCK HOSE TAILS



Crimpology Nipples

Features & Benefits:

- Designed for use with interlocking ferrules
- Interlock groove locks ferrule into place for the ultimate in holding power
- Graduated serration pattern, sharper near the interlock, rounder near the end, with smooth end detail to reduce potential failure due to abrasion - grips, seal and protects.

Recommended Use:

- Multi purpose air, fluid and bulk handling

Recommended Hose Attachment:

- Interlocking Ferrules

MILD STEEL CRIMPLOCK TAIL

Size	BSP Thread Product Code	NPT Thread Product Code
1"	922-025	925-025
1 1/4"	922-032	925-032
1 1/2"	922-040	925-040
2"	922-050	925-050
2 1/2"	922-065	925-065
3"	922-080	925-080
4"	922-100	925-100

STAINLESS STEEL CRIMPLOCK TAIL

Size	BSP Thread Product Code	NPT Thread Product Code
1"	932-025	935-025
1 1/4"	932-032	935-032
1 1/2"	932-040	935-040
2"	932-050	935-050
2 1/2"	932-065	935-065
3"	932-080	935-080
4"	932-100	935-100

STAINLESS STEEL CRIMP LOCK CAMLOCKS



Size	Type C Camlock Code	Type E Camlock Code
1 1/2"	643-C9038	643-E2038
2"	643-C9050	643-E2050
3"	643-C9075	643-E2075
4"	643-C9100	643-E2100

COMBINATION NIPPLES

Combination Nipples

Features & Benefits:

- Maximum number of serration's for maximum holding power
- Long lead serration for easier hose insertion

Recommended Use:

- Multi purpose fluid, bulk handling and low pressure air

Recommended Hose Attachment:

- Sleeves, center punch clamps



MILD STEEL COMBINATION NIPPLE

Size	BSP Thread Product Code	NPT Thread Product Code
1/2"	610-015	611-015
3/4"	610-020	611-020
1"	610-025	611-025
1 1/4"	610-032	611-032
1 1/2"	610-040	611-040
2"	610-050	611-050
2 1/2"	610-065	611-065
3"	610-080	611-080
4"	610-100	611-100
5"	610-125	611-125
6"	610-150	611-150
8"	610-200	611-200

HOSE ASSEMBLY SYSTEM	ASSEMBLY WORKING PRESSURE (PSI)
-----------------------------	--

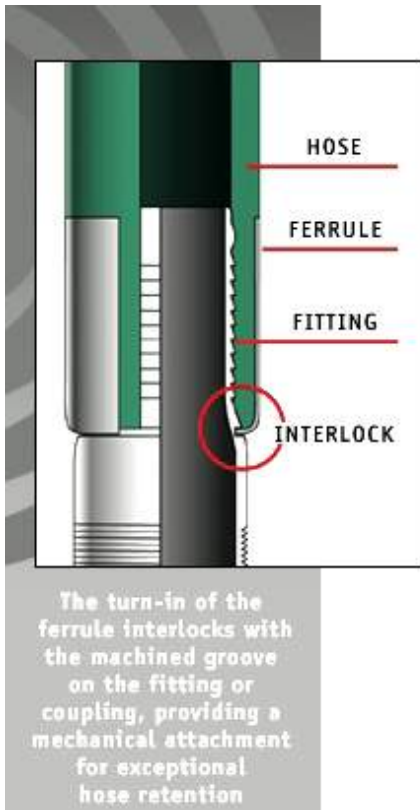
Fitting	Attachment	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Crimpology Nipples	Ferrule	-	-	450	350	325	300	275	250	250
Combination Nipples	Sleeve	400	350	300	275	250	225	210	200	175

- Working pressure ratings are based on using Campbell crimpology products only.
- Working pressure ratings are maximum as listed or the hose rating, which ever is lower.
- The above chart does not include plastic fittings or couplings.
- Pressure ratings are based on using any smooth bore rubber hose except steam and hot tar.



CRIMP LOCK FERRULES

G2



Campbell Crimpnology is a method of hose attachment utilizing interlocking ferrules, which attach to their mating fitting, and sleeves. Ferrules and sleeves can be used in a wide variety of hose applications including low, medium and high pressure compressed air, chemical, petrol chemical and utility hose, as well as a myriad of specialty applications.

Crimping features and benefits:

- Allows for higher working pressures than band clamps
- Provides precisely measured, repeatable assemblies
- Improves “dragability” ... Low profile, no sharp edges, reduces weight.
- Ferrules interlock with couplings/fittings, offering the ultimate in hose retention.
- Ferrules and sleeves provide a neat, simple, attractive hose assembly system for your end user customer.

Crimp lock Ferrules in Mild Steel & Stainless Steel

Product Code	Hose ID mm	Hose OD mm	Material of Ferrule	Campbell Part #
920A-025-1	25	38.1	Mild/Steel	FPS100132
920A-025-3	25	41.2	Mild/Steel	FPS100140
920A-025-5	25	44.4	Mild/Steel	FPS100148
920A-040-1	38	52.4	Mild/Steel	FPS150204
920A-040-4	38	57.1	Mild/Steel	FPS150216
920A-040-6	38	60.3	Mild/Steel	FPS150224

Product Code	Hose ID mm	Hose OD mm	Material of Ferrule	Campbell Part #
930A-025-1	25	39.7	S/Steel	FSS100136
930A-025-2	25	41.2	S/Steel	FSS100140
930A-025-3	25	42.8	S/Steel	FSS100144
930A-025-4	25	44.4	S/Steel	FSS100148
930A-032-1	32	46.0	S/Steel	FSS125152
930A-032-2	32	47.6	S/Steel	FSS125156
930A-032-3	32	49.2	S/Steel	FSS125160
930A-040-1	38	52.4	S/Steel	FSS150204
930A-040-2	38	53.9	S/Steel	FSS150208
930A-040-3	38	55.5	S/Steel	FSS150212
930A-040-4	38	57.1	S/Steel	FSS150216
930A-040-5	38	58.7	S/Steel	FSS150220
930A-040-6	38	60.3	S/Steel	FSS150224



Crimp lock Ferrules in Mild Steel & Stainless Steel

G2

Product Code	Hose ID mm	Hose OD mm	Material of Product	Campbell Part #
920A-050-1	50	63.5	Mild/Steel	FPS200232
920A-050-4	50	68.2	Mild/Steel	FPS200244
920A-050-7	50	73.0	Mild/Steel	FPS200256
920A-065-1	63	80.9	Mild/Steel	FPS250312
920A-065-4	63	87.3	Mild/Steel	FPS250328
920A-075-1	76	90.5	Mild/Steel	FPS300336
920A-075-4	76	95.2	Mild/Steel	FPS300348
920A-075-7	76	100.0	Mild/Steel	FPS300360
920A-100-1	102	117.5	Mild/Steel	FPS400440
920A-100-4	102	122.2	Mild/Steel	FPS400452
920A-100-6	102	127.0	Mild/Steel	FPS400500

Product Code	Hose ID mm	Hose OD mm	Material of Product	Campbell Part #
930A-050-1	50	63.5	S/Steel	FSS200232
930A-050-2	50	65.1	S/Steel	FSS200236
930A-050-3	50	66.7	S/Steel	FSS200240
930A-050-4	50	68.2	S/Steel	FSS200244
930A-050-5	50	69.8	S/Steel	FSS200248
930A-050-6	50	71.4	S/Steel	FSS200252
930A-050-7	50	73.0	S/Steel	FSS200256
930A-065-1	63	80.9	S/Steel	FSS250312
930A-065-2	63	82.5	S/Steel	FSS250316
930A-065-3	63	84.1	S/Steel	FSS250320
930A-065-4	63	87.3	S/Steel	FSS250328
930A-075-1	76	90.5	S/Steel	FSS300336
930A-075-2	76	92.1	S/Steel	FSS300340
930A-075-3	76	93.6	S/Steel	FSS300344
930A-075-4	76	95.2	S/Steel	FSS300348
930A-075-5	76	96.8	S/Steel	FSS300352
930A-075-6	76	98.4	S/Steel	FSS300356
930A-075-7	76	100.0	S/Steel	FSS300360
930A-100-1	102	117.5	S/Steel	FSS400440
930A-100-2	102	119.0	S/Steel	FSS400444
930A-100-3	102	120.6	S/Steel	FSS400448
930A-100-4	102	122.2	S/Steel	FSS400452
930A-100-5	102	123.8	S/Steel	FSS400456
930A-100-6	102	127.0	S/Steel	FSS400500



CRIMPNOLOGY SLEEVES

LONG SERIES SLEEVES

Product Code	Hose ID mm	Hose OD mm	Material of Product	Campbell Part #
920L-020-2	20	25.6	Mild/Steel	SPS075108
920L-020-3	20	34.9	Mild/Steel	SPS075124
920L-025-3	25	41.2	Mild/Steel	SPS100140
920L-040-2	38	60.3	Mild/Steel	SPS150224
920L-050-2	50	57.1	Mild/Steel	SPS200216
920L-050-5	50	66.7	Mild/Steel	SPS200240
920L-050-8	50	76.2	Mild/Steel	SPS200300
920L-075-2	76	82.5	Mild/Steel	SPS300316
920L-075-5	76	92.1	Mild/Steel	SPS300340
920L-075-6	76	95.2	Mild/Steel	SPS300348
920L-075-9	76	102.0	Mild/Steel	SPS300400
920L-100-2	102	111.1	Mild/Steel	SPS400448
920L-100-3	102	117.5	Mild/Steel	SPS400440
920L-100-5	102	120.6	Mild/Steel	SPS400448
920L-100-7	102	125.4	Mild/Steel	SPS400460

SHORT SERIES SLEEVES

Product Code	Hose ID mm	Hose OD mm	Material of Product	Campbell Part #
920S-012-2	12	25.4	Mild/Steel	SPS050100S
920S-020-2	20	28.5	Mild/Steel	SPS075108S
920S-020-3	20	34.9	Mild/Steel	SPS075124S
920S-025-2	25	38.1	Mild/Steel	SPS100132S
920S-025-4	25	44.4	Mild/Steel	SPS100148S
920S-032-2	32	41.2	Mild/Steel	SPS125140S
920S-032-4	32	47.6	Mild/Steel	SPS125156S
920S-040-2	38	50.8	Mild/Steel	SPS150200S
920S-040-5	38	60.3	Mild/Steel	SPS150224S
920S-050-2	50	53.9	Mild/Steel	SPS200208S
920S-050-5	50	63.5	Mild/Steel	SPS200232S
920S-050-6	50	66.7	Mild/Steel	SPS200240S
920S-050-8	50	73.0	Mild/Steel	SPS200256S
920S-065-2	63	69.8	Mild/Steel	SPS250248S
920S-065-4	63	76.2	Mild/Steel	SPS250300S
920S-065-6	63	82.5	Mild/Steel	SPS250316S
920S-065-7	63	85.7	Mild/Steel	SPS250324S
920S-075-2	76	79.3	Mild/Steel	SPS300308S
920S-075-5	76	88.9	Mild/Steel	SPS300332S
920S-075-7	76	95.2	Mild/Steel	SPS300348S
920S-075-8	76	98.4	Mild/Steel	SPS300356S
920S-100-2	102	107.9	Mild/Steel	SPS400416S
920S-100-4	102	114.3	Mild/Steel	SPS400432S
920S-100-6	102	120.6	Mild/Steel	SPS400448S
920S-100-7	102	122.2	Mild/Steel	SPS400452S



G2



WASHDOWN
NOZZLES



BRASS



THERMO
PLASTIC



FIRE
KITS



HOT WASH



SA FIRE
BRIGADE



FIRE
REELS



H

WASHDOWN NOZZLES & FIRE EQUIPMENT

106
to
107...

Fire and Washdown Nozzles



H

108...

South Australian Fire Brigade Fittings



109...

Complete Fire Reel



110...

Fire Kits



All dimensions and weights are nominal and subject to change.

ADJUSTABLE SPRAY FIRE & WASHDOWN NOZZLES

H



Product Code	Description
618-009	Ergonomic Wash Down Gun 1/2" Female BSP
618-056	Brass Adjustable Spray Nozzle 1 1/2" Female BSP
618-040	Red Polycarbonate Nozzle, 3/4" Female BSP
618-050	Red Polycarbonate Nozzle, 1" Female BSP
618-055	Red Polycarbonate Nozzle, 1 1/2" Female BSP
618-045	Green Polycarbonate Nozzle, 3/4" Female BSP
618-006	Pistol Grip Nozzle Insulated 3/4" Female BSP
618-007	Pistol Grip Nozzle (not Insulated) 3/4" Female BSP (Light aluminium body no plastic cover).
618-070	Quell Red fog Nozzle 3/4" Hosetail
618-085	Small Blackout Nozzle 3/4" Male BSP
618-080	Large Blackout Nozzle 1" Female BSP

ADJUSTABLE SPRAY FIRE & WASHDOWN NOZZLES

Product Code	Description
	618-094 Brass Ball Director 1/2" Hosetail
	618-095 Brass Ball Director 3/4" Hosetail
	618-096 Brass Ball Director 1" Hosetail
	618-065 Dual Tip Polycarbonate Nozzle, 1 1/2" Female BSP
	618-060 Straight Polycarbonate Nozzle, 1 1/2" Female BSP
	618-021 Red Hose Reel Nozzle 3/4" Female BSP
	618-022 Power Jet Nozzle, 1" Female BSP
	618-046 Brass Adjustable Fog Nozzle 3/4" Hosetail
	618-047 Brass Adjustable Fog Nozzle 1" Hosetail
	618-020 Power Spray Trigger Nozzle, 3/4" Female BSP
	982-008 Slump Gun Trigger Nozzle 1" Female BSP
	618-059 2" Jet/Spray Nozzle with Valve



SOUTH AUSTRALIAN FIRE BRIGADE FITTINGS

**SAFB Female
x Hosetail**



**SAFB Female x
Male BSP**



**SAFB Female x
Female BSP**



H

Product Code	Description
615-448	SAFB Female x 38mm tail Brass
615-449	SAFB Female x 50mm tail Brass
615-500	SAFB Female x 63mm tail Brass

Product Code	Description
615-305	SAFB Female x 25mm MBSP Brass
615-309	SAFB Female x 38mm MBSP Brass
615-312	SAFB Female x 50mm MBSP Brass
615-321	SAFB Female x 63mm MBSP Brass
615-323	SAFB Female x 80mm MBSP Brass

Product Code	Description
615-322	SAFB Female x 50mm Fem BSP Brass
615-324	SAFB Female x 63mm Fem BSP Brass
615-314	SAFB Female x 80mm Fem BSP Brass

**SAFB Male
x Hosetail**



**SAFB Male x
Male BSP**



**SAFB Male x
Female BSP**



Product Code	Description
615-447	SAFB Male x 38mm tail Brass
615-446	SAFB Male x 50mm tail Brass
615-501	SAFB Male x 63mm tail Brass

Product Code	Description
615-315	SAFB Male x 50mm MBSP Brass
615-316	SAFB Male x 63mm MBSP Brass
615-313	SAFB Male x 80mm MBSP Brass

Product Code	Description
615-319	SAFB Male x 38mm Fem BSP Brass
615-317	SAFB Male x 50mm Fem BSP Brass
615-318	SAFB Male x 80mm Fem BSP Brass

SOUTH AUSTRALIAN FIRE BRIGADE FITTINGS

SAFB Caps & Plugs



Product Code	Description
615-300	SAFB Female Cap Brass
615-100	SAFB Male Plug Brass
615-300P	SAFB Female Cap Plastic
615-100P	SAFB Male Cap Plastic

H

Hydrant/SAFB Key



Product Code	Description
618-HK	Brass Hydrant/SAFB key

COMPLETE FIRE REELS



36mtr x 3/4" size Fire Hose Reel. Complete with PVC hose and nozzle. Wall mountable configuration and assembly kit.

Product Code: 615-600



25 mtr x 3/4" size Mobile Fire Hose Reel. Complete with PVC hose and nozzle. Wall mountable and portable options.

Product Code: 615-601



FIRE KITS

H



Product Code: 619-000
Fire Kit With 5 mtr Suction Hose

Qty	Components
5mtr	38mm Pvc Suction Hose
1	1 1/2" FBSP Brass Nut x 38mm Tail
1	38mm Poly Strainer
2	30-45mm Worm Drive clamps S/S
2	20mm Black PVC Fire hose x 10 mtr
2	3/4" MBSP x 20mm Brass Hosetail
2	Red Fire Nozzle 3/4" FBSP
4	16-27mm Worm Drive clamp S/S
2	1" FBSP Brass Nut x 3/4" tail

Product Code: 619-000-6
Fire Kit With 6 mtr Suction Hose

Qty	Components
6mtr	38mm Pvc Suction Hose
1	1 1/2" FBSP Brass Nut x 38mm Tail
1	38mm Poly Strainer
2	30-45mm Worm Drive clamps S/S
2	20mm Black PVC Fire hose x 10 mtr
2	3/4" MBSP x 20mm Brass Hosetail
2	Red Fire Nozzle 3/4" FBSP
4	16-27mm Worm Drive clamp S/S
2	1" FBSP Brass Nut x 3/4" Tail

Product Code: 619-001
Fire Kit With 5 mtr Suction Hose & Quell Nozzle

Qty	Components
5mtr	38mm Pvc Suction Hose
1	1 1/2" FBSP Brass Nut x 38mm Tail
1	38mm Poly Strainer
2	30-45mm Worm Drive clamps S/S
2	20mm Black PVC Fire hose x 10 mtr
2	Quell Nozzle 3/4" Tail
4	16-27mm Worm Drive clamp S/S
2	1" FBSP Brass Nut x 3/4" Tail

****Kits can be altered
to your requirements****



AUTOMATIC
NOZZLES



BULK
NOZZLES

METERS



LOCKING
CAP



TRANSFER
PUMPS

VENTS

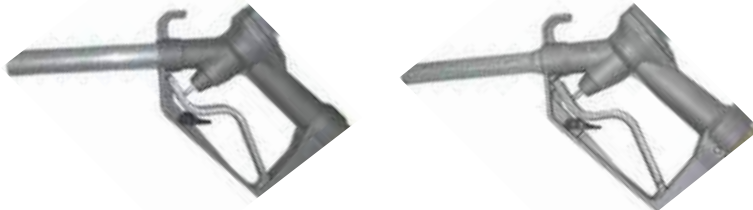


FUEL
REELS



FUEL EQUIPMENT

114... FUEL NOZZLES



115... METERS, INLINE FILTERS, VALVES & VENTS



115... FUEL REELERS, ROTARY PUMPS & GREASE GUNS

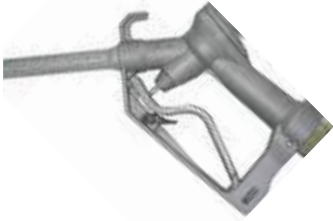


116... 12 & 24 VOLT TRANSFER PUMPS



All dimensions and weights are nominal and subject to change.

FUEL NOZZLES



UNLEADED

Unleaded manual fuel nozzle with 25mm female Bsp inlet.

Product Code
982-001



LEADED

Leaded or Diesel manual fuel nozzle with 25mm female Bsp inlet.

Product Code
982-000



DIESEL AUTO FUEL NOZZLE

25 mm automatic diesel nozzle with integral swivel for bowser use. Black cover. 25mm Bsp female swivel.

Product Code
983-000



BULK FUEL NOZZLE

38 mm manual fuel nozzle for gravity flow applications only. Hold open notches on handle guard. 38mm female Bsp inlet

Product Code
982-012

FUEL & OIL EQUIPMENT

FUEL METERS



Product Code
986-000

3 Digit flow meter. Up to 120 LPM flow with use with diesel fuel. Ideal for gravity applications. 25mm Bsp Ports. Aluminium body.

Other meters available, Please contact sales Staff

HIGH PRESSURE WATER GUN:



Product Code
982-008

“Y” TYPE LINE FILTER:



Product Code
982-003

AIR VENT:



Product Code	Description
982-004	Air Vent

DIESEL/OIL DRUM PUMP:



Zinc alloy impellers make the pump suitable for oil, diesel fuel, kerosene and petrol transfer.

- Delivers 20LPM or 0.33 litre per rotation.
- Cast alloy construction ensures long working life and smooth operation.

Product Code
981-010



FUEL HOSE REEL:

Product Code
982-REEL

Fabricated from heavy gauge steel sheet with standard diameter of 305mm. Drum width vary according to desired drum capacity.

Specifications:

Standard Hose Reels:
For hoses sizes 20mm - 40mm I.D.

Cheekplates: 575mm. Made with rolled edges from heavy gauge steel sheet.

Drums with full flow hub assemblies:

Rewind Mechanisms: Direct drive hand rewind is standard for hose sizes to 76.2mm. Geared hand rewind available as an alternative.

Electrically powered rewind operates through positive sprocket and chain drives.

Hydraulic powered rewind operates through direct drives, although sprocket and chain drives can fitted as an alternative.

For emergency use, auxiliary geared hand crank can be fitted.

Standard assembly for rewind mechanism at right-hand side facing reel, but mechanism can be mounted on left hand side if required.

Mounting Frames: Standard dimension frames are assembled to all standard hose reels.

LOCKING CAP:



Product Code
982-005

LEVER TYPE GREASE GUN:



Product Code
984-010

Other Grease Guns available, Please contact sales Staff

12 & 24 VOLT FUEL TRANSFER KITS



	12 Volt Kit	24 Volt Kit
Product Code	981-015	981-016

Fuel transfer pump kit electric for diesel transfer. Flow rate 33 LPM pump. Available with 12 volt and 24 volt pumps.



	12 Volt Kit	24 Volt Kit
Product Code	981-017	981-018

Diesel refuelling pump kit, complete with 4 meters of hose, manual nozzle, rotating drum connector and 2 piece poly suction pipe. Flow rate 40 LPM maximum. Available with 12 volt and 24 volt pumps.



	Manual Nozzle	Automatic Nozzle
Product Code	981-019	981-020

Fillrite SAE approved 12 volt refuelling pump kit for petrol, diesel and kero, complete with 3.6 meters of hose. Flow rate 57 LPM maximum. Available with a manual or automatic nozzle.

Other Fuel Transfer kits available, Please contact sales Staff



MANUAL



WATER



AIR

J



RETRACTABLE



ELECTRIC



FUEL



FIRE



HOSE REELS

120... FIRE HOSE REELS, RETRACTABLE REELS



121 MANUAL WIND REELS to 122



122... ELECTRIC REWIND REELS



All dimensions and weights are nominal and subject to change.

J

COMPLETE FIRE HOSE REELS



36mtr x 3/4" size Fire Hose Reel.
Complete with pvc hose and nozzle. Wall mountable configuration and assembly kit.
Product Code: 615-600



25 mtr x 3/4" size Mobile Fire Hose Reel.
Complete with pvc hose and nozzle. Wall mountable and portable options.
Product Code: 615-601

RETRACTABLE HOSE REELS

Air

J



8 mtr Air Reel

Product Code: JAMEC-AIR008

Fitted with 8 mtrs polyurethane braided hose with 1/4" BSP hose fittings and leader hose already pre-fitted. Features auto latching system, adjustable hose stopper. Steel bracket allows the reel to pivot 180 Deg.

20 mtr Air Reel

Product Code: JAMEC-AIR020



Fitted with 20 mtrs braided hose with 1/4" BSP hose fittings and leader hose already pre-fitted. Features unique hose layering system which prevents tangles and jamming in the reel, adjustable hose stopper, impact resistant case. Ideal for industrial and automotive sites, mobile and home workshops.

Water

20 mtr Water Reel

Product Code: JAMEC-WATER020



Fitted with 20 mtrs braided hose with hose fittings and nozzle. Features unique hose layering system which prevents tangles and jamming in the reel, adjustable hose stopper, impact resistant case. Ideal for garden use and a wide range of other domestic/industrial purposes.

FUEL HOSE REEL:

Product Code: 982-REEL



Specifications:

Standard Hose Reels: For hoses sizes 20mm - 40mm I.D.

Cheekplates: 575mm. Made with rolled edges from heavy gauge steel sheet.

Drums with full flow hub assemblies: Fabricated from heavy gauge steel sheet with standard diameter of 305mm. Drum width vary according to desired drum capacity.

Rewind Mechanisms: Direct drive hand rewind is standard for hose sizes to 76.2mm. Geared hand rewind available as an alternative.

Electrically powered rewind operates through positive sprocket and chain drives. Hydraulic powered rewind operates through direct drives, although sprocket and chain drives can fitted as an alternative.

For emergency use, auxiliary geared hand crank can be fitted.

Standard assembly for rewind mechanism at right-hand side facing reel, but mechanism can be mounted on left hand side if required.

Mounting Frames: Standard dimension frames are assembled to all standard hose reels.

Fluid Temperature: up to 100o C

Combined Swivel Joint-Bearing: Specially sealed for long life at high pressures. Available in the various materials to suit specific duties including gunmetal, stainless steel, aluminium, steel and hard chromed-steel.



40 mtr Air Reel

Product Code: JAMEC-AIR40

Fitted with 40 mtrs polyurethane braided kink resistant hose with 1/4" BSP hose fittings and leader hose already pre-fitted. Features 360 Deg rotary base with a fold away winding system. Ideal for industrial and automotive sites and home workshops.

A Frame Hose Reel



REEL FEATURES:

- Powder Coated Frame
- Brass swivel Hostails

Product Code	Hose I/D	Hose Capacity
REEL-012-030	12mm	30mtr
REEL-012-050	12mm	50mtr
REEL-020-036	19mm	36mtr
REEL-020-050	19mm	50mtr
REEL-020-080	19mm	80mtr
REEL-025-020	25mm	20mtr
REEL-025-036	25mm	36mtr
REEL-025-060	25mm	60mtr

J



HOSE REELS: J-01



REEL FEATURES:

- Aluminium construction.
- Heavy duty, large capacity
- Bronze bearings, greaseable bronze swivel
- Available with or without roller guides
- Can be custom made to your particular needs

Heavy Duty Aluminium Reel

Product Code	Hose I/D	Hose Capacity	Dimensions
REELEZY-1930	19mm	30mtr	580W, 530D, 500H
REELEZY-1950	19mm	50mtr	710W, 530D, 500H
REELEZY-2530	25mm	30mtr	710W,530D,500H
REELEZY-1970	19mm	70mtr	800W, 670D, 550H
REELEZY-2550	25mm	50mtr	800W,670D, 550H
REELEZY-25100	25mm	100mtr	800W, 840D, 870H

ELECTRIC REWIND REELS

J



Product Code	Hose I/D	Hose Capacity	Dimensions	Voltage
REEL-30X1912E	19mm	30mtr	710W, 530D, 550H	12
REEL-50X1912E	19mm	50mtr	840W, 530D, 550H	12
REEL-30X2512E	25mm	30mtr	840W,530D,550H	12
REEL-30X1924E	19mm	30mtr	710W, 530D, 550H	24
REEL-50X1924E	19mm	50mtr	840W, 530D, 550H	24
REEL-30X2524E	25mm	30mtr	840W, 530D,5500H	24

REEL FEATURES:

- Aluminium construction.
- Positive gear drive
- Greaseable bronze swivel
- Available with or without roller guides

Note: Hose not included, for illustration purposes only



Product Code	Hose I/D	Hose Capacity	Dimensions	Voltage
REEL-70X1912E	19mm	70mtr	900W, 670D, 550H	12
REEL-50X2512E	25mm	50mtr	900W, 670D, 550H	12
REEL-70X1924E	19mm	70mtr	900W, 670D,550H	24
REEL-50X2524E	25mm	50mtr	900W, 670D, 550H	24

REEL FEATURES:

- Aluminium construction
- Heavy duty, large capacity
- Automatic rewind available
- Can also be air or hydraulically powered



MILD
STEEL



MARINE



MINING

K



M A C K A Y
C O N S O L I D A T E D

AUTOMOTIVE

AGRICULTURE



STAINLESS
STEEL



RUBBER MOUNTING

126
to
127

MULTICUSHIONS



128...

STAINLESS MULTICUSHIONS

129...

MULTICUSHION STUDS

130
to
131

FLANGE ISOLATORS



K

132...

CONFLEX ISOLATORS



133...

MULTIBUFFERS



Other mounts & isolators available

All dimensions and weights are nominal and subject to change.

MULTICUSHIONS



The multicushion system is a new approach to isolator selection. The large range of sizes and durometers combined with interchangeable metric and imperial studs allows selection of the most appropriate cushion isolator for the application.

The multicushion isolators are made from high grade natural rubber and all metal surfaces are passivated to automotive OEM standards.

Note: Multicushions are not recommended for use under permanent tension loading.

Compression

Shear

Product Code	Diameter A mm	Height B mm	Duro	(Female) Thread	Max Load Kg	Max Deflection mm	Max Load KG	Max Deflection mm
942-131540	13	15	40	M4	13.0	2.5	2.5	3.0
942-131555	13	15	55	M4	25.0	2.5	4.5	3.0
942-131570	13	15	70	M4	34.0	2.5	6.0	3.0
942-162040	16	20	40	M6	20.5	3.0	4.5	4.0
942-162055	16	20	55	M6	42.5	3.0	9.0	4.0
942-162070	16	20	70	M6	53.5	3.0	12.0	4.0
942-202540	20	25	40	M6	30.5	6.0	5.0	6.0
942-202555	20	25	55	M6	65.0	6.0	11.0	6.0
942-202570	20	25	70	M6	89.5	6.0	15.0	6.0
942-252040	25	20	40	M6	36.0	2.5	7.0	3.0
942-252055	25	20	55	M6	54.0	2.5	12.0	3.0
942-252070	25	20	70	M6	66.0	2.5	15.0	3.0
942-253040	25	30	40	M6	55.0	8.0	10.5	8.0
942-253055	25	30	55	M6	98.0	8.0	19.0	8.0
942-253070	25	30	70	M6	120.0	8.0	26.5	8.0
942-302040	30	20	40	M6	42.0	2.5	8.0	3.0
942-302055	30	20	55	M6	62.0	2.5	13	3.0
942-302070	30	20	70	M6	82.0	2.5	16	3.0
942-303040	30	30	40	M8	44.0	4.0	10.0	5.0
942-303055	30	30	55	M8	77.0	4.0	18.0	5.0
942-303070	30	30	70	M8	108.0	4.0	33.0	5.0
942-304040	30	40	40	M8	49.5	8.0	9.0	10.0
942-304055	30	40	55	M8	86.0	8.0	17.5	10.0
942-304070	30	40	70	M8	131.0	8.0	35.0	10.0

Other mounts & isolators available

MULTICUSHIONS

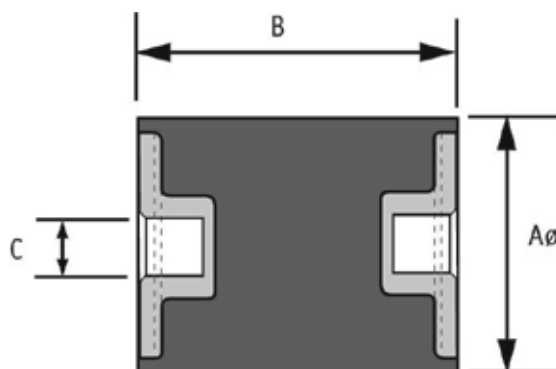
Compression

Shear

Product Code	Diameter A mm	Height B mm	Duro	(Female) Thread C	Max Load Kg	Max Deflection mm	Max Load KG	Max Deflection mm
942-403040	40	30	40	M8	60.5	4.0	17.5	5.0
942-403055	40	30	55	M8	114.0	4.0	28.5	5.0
942-403070	40	30	70	M8	195.0	4.0	49.5	5.0
942-404040	40	40	40	M8	78.0	8.0	20.0	10.0
942-404055	40	40	55	M8	148.0	8.0	34.0	10.0
942-404070	40	40	70	M8	233.0	8.0	53.5	10.0
942-503540	50	35	40	M10	139.5	6.0	21.5	6.0
942-503555	50	35	55	M10	264.0	6.0	40.5	6.0
942-503570	50	35	70	M10	363.0	6.0	59.0	6.0
942-504540	50	45	40	M10	111.5	8.0	25.0	10.0
942-504555	50	45	55	M10	195.0	8.0	44.5	10.0
942-504570	50	45	70	M10	244.0	8.0	62.0	10.0
942-755040	75	50	40	M10	390.0	12.0	76.0	13.0
942-755055	75	50	55	M10	733.0	12.0	140.0	13.0
942-755070	75	50	70	M10	986.0	12.0	208.0	13.0
942-1006040	100	60	40	M16	510.0	10.0	100.0	10.0
942-1006055	100	60	55	M16	955.0	10.0	180.0	10.0
942-1006070	100	60	70	M16	1500.0	10.0	306.0	10.0
942-1507540	150	75	40	M16	1500.0	18.0	277.0	20.0
942-1507055	150	75	55	M16	3200.0	18.0	525.0	20.0
942-1507570	150	75	70	M16	4500.0	18.0	760.0	20.0

K

DURO	COLOUR
40	RED
55	YELLOW
70	MARKED 70



Other mounts & isolators available



MULTICUSHIONS STAINLESS STEEL

Stainless steel multicushion isolators are manufactured in the most popular sizes from high grade natural rubber and stainless steel (type 304) metal components. Available in two rubber hardnesses the cushions are supplied without fixing studs.

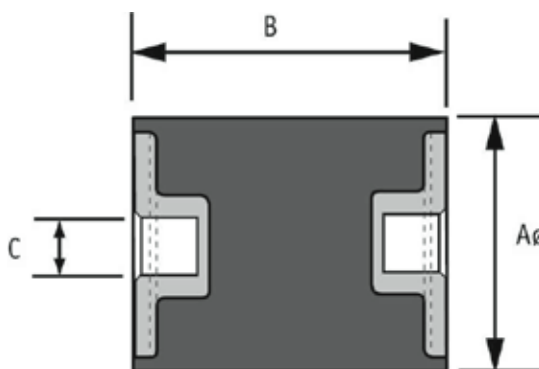
Note: Multicushions are not recommended for use under permanent tension loading.

Compression Shear

Product Code	Diameter A mm	Height B mm	Duro	(Female) Thread C	Max Load Kg	Max Deflection mm	Max Load KG	Max Deflection mm
941-202540	20	25	40	M6	30.5	6.0	5.0	6.0
941-202555	20	25	55	M6	65.0	6.0	11.0	6.0
941-252040	25	20	40	M6	36.0	2.5	7.0	3.0
941-252055	25	20	55	M6	54.0	2.5	12.0	3.0
941-253040	25	30	40	M6	55.0	8.0	10.5	8.0
941-253055	25	30	55	M6	98.0	8.0	19.0	8.0
941-302040	30	20	40	M6	42.0	2.5	8.0	3.0
941-302055	30	20	55	M6	62.0	2.5	13.0	3.0
941-303040	30	30	40	M8	44.0	4.0	10.0	5.0
941-303055	30	30	55	M8	77.0	4.0	18.0	5.0
941-304040	30	40	40	M8	49.5	8.0	9.0	10.0
941-304055	30	40	55	M8	86.0	8.0	17.5	10.0
941-403040	40	30	40	M8	40.5	4.0	17.5	5.0
941-403055	40	30	55	M8	114.0	4.0	28.5	5.0
941-404040	40	40	40	M8	78.0	8.0	20.0	10.0
941-404055	40	40	55	M8	148.0	8.0	34.0	10.0
941-503540	50	35	40	M10	139.5	6.0	21.5	6.0
941-503555	50	35	55	M10	264.0	6.0	40.5	6.0
941-504540	50	45	40	M10	111.5	8.0	25.0	10.0
941-504555	50	45	55	M10	195.0	8.0	44.5	10.0

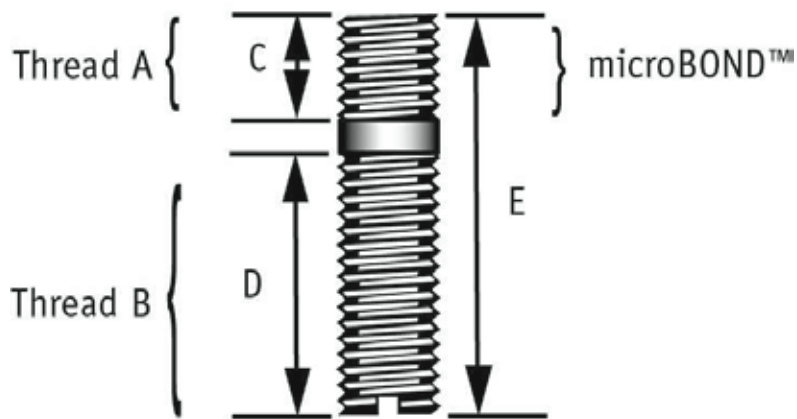
K

DURO	COLOUR
40	RED
55	YELLOW



Other mounts & isolators available

MULTICUSHION STUDS



Studs are interchangeable and are easily inserted with a screw driver whilst the fastener adhesive system provides secure thread locking.

Studs are available in metric and imperial.

THREADS

DIMENSIONS

Product Code	A MM	B MM	C MM	D MM	E MM
943-M4XM4	M4 X 0.7	M4 X 0.7	4.0	15.0	19.0
943-M4XM5	M4 X 0.7	M5 X 0.7	4.0	15.0	20.5
943-M4W316	M4 X 0.7	3/16"WHIT X 24tpi	4.0	15.0	20.5
943-M6XM6	M6 X 1.0	M6 X 1.0	6.0	15.0	21.0
943-M6XM8	M6 X 1.0	M8 X 1.25	6.0	20.0	28.0
943-M6W316	M6 X 1.0	3/16"WHIT X 24 tpi	6.0	15.0	22.5
943-M6W14	M6 X 1.0	1/4"WHIT X 20 tpi	6.0	15.0	22.5
943-M8XM8	M8 X 1.25	M8 X 1.25	8.0	20.0	28.0
943-M8M10	M8 X 1.25	M10 X 1.5	8.0	25.0	35.0
943-M8W516	M8 X 1.25	5/16"WHIT X 18 tpi	8.0	20.0	31.0
943-M10XM10	M10 X 1.5	M10 X 1.5	10.0	25.0	37.0
943-M10XM12	M10 X 1.5	M12 X 1.75	10.0	35.0	49.0
943-M10W38	M10 X 1.5	3/8"WHIT X 16 tpi	10.0	25.0	39.0
943-M16M16	M16 X 2.0	M16 X 2.0	16.0	40.0	56.0

Other mounts & isolators available

FLANGE ISOLATORS

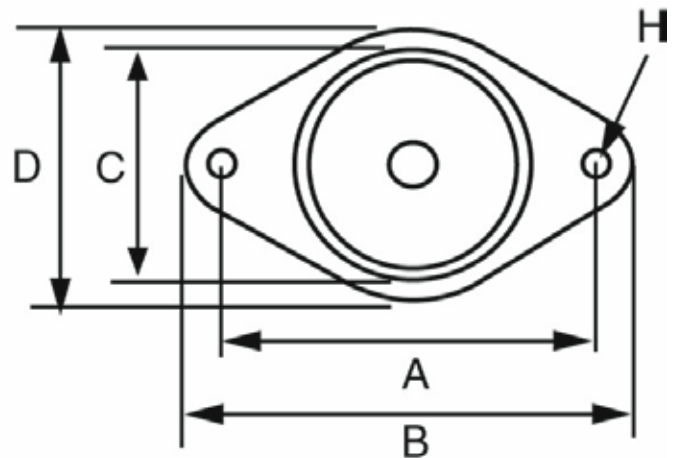
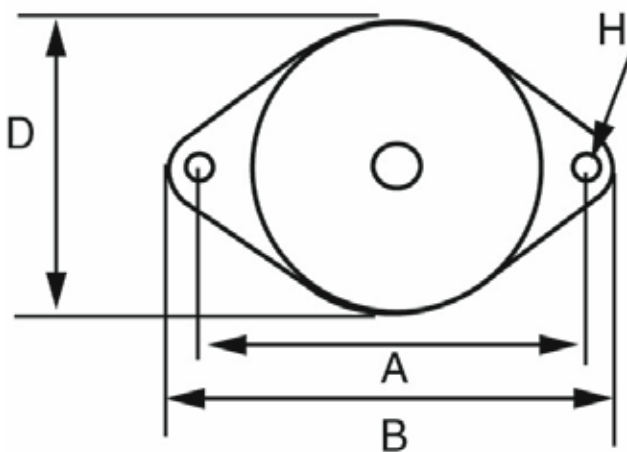
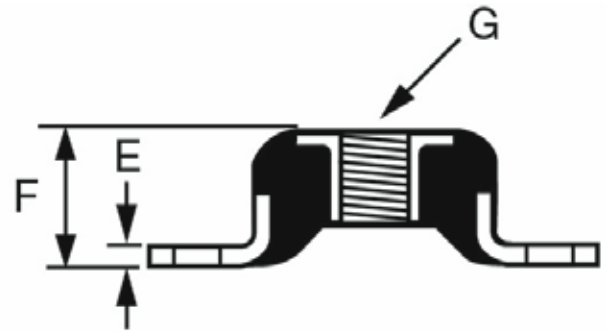
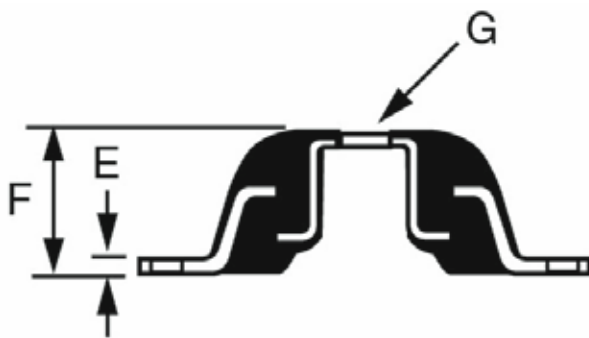


These special isolators were developed to meet almost every type of machinery installation within the loading range, with telescopic metal inserts providing considerable stability in all directions. The two light duty isolators, M110 and M114 are equipped with upper metal inserts, tapped to receive standard bolts or set screws.

The isolators can be fastened to the floor or other base, with bolts through the two lugs of the lower metal stamping. When using the heavy duty isolators M139 and M140, loads can be suspended as well as supported.

M139-M140

M110-M114



Other mounts & isolators available

FLANGE ISOLATORS

SUGGESTED METHODS OF MOUNTING

DURO	COLOUR
40	RED
50	YELLOW
60	WHITE
70	MARKED 70

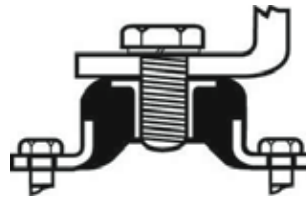
Tandem Series



Shear



Compression Series



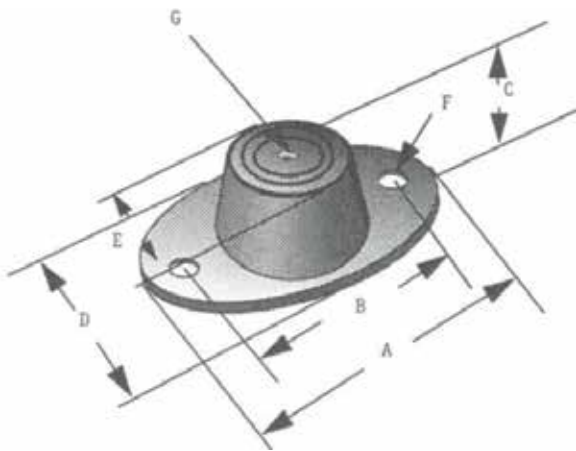
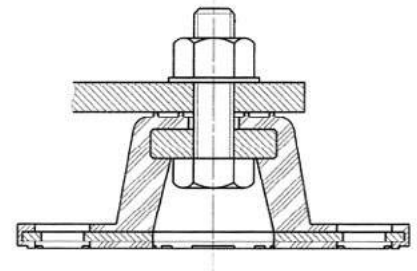
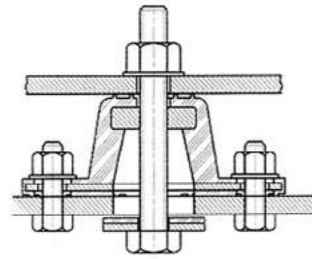
Product Code	Mount	Duro	Compression (kg)	Shear (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
931-005	M110	40	25-40	20-35	60.3	76	41	48	3	22	7/16"-20UNF	8.7
931-010	M110	50	40-55	35-50	60.3	76	41	48	3	22	7/16"-20UNF	8.7
931-015	M110	60	31-80	21-54	60.3	76	41	48	3	22	7/16"-20UNF	8.7
931-020	M114	40	40-60	25-40	76.1	92	57	60	3	29	1/2"-20UNF	8.7
931-025	M114	50	60-85	40-60	76.1	92	57	60	3	29	1/2"-20UNF	8.7
931-030	M114	60	90-130	60-80	76.1	92	57	60	3	29	1/2"-20UNF	8.7
931-035	M140	40	200-280	100-140	110.0	141	-	83	3	41	17/32"	13.5
931-040	M140	50	280-350	120-180	110.0	141	-	83	3	41	17/32"	13.5
931-045	M140	60	350-500	160-200	110.0	141	-	83	3	41	17/32"	13.5
931-050	M140	80	650-880	200-280	110.0	141	-	83	3	41	17/32"	13.5
931-055	M139	40	400-550	150-250	127.0	157	-	102	3	48	13/16"	14.2
931-060	M139	50	550-725	250-400	127.0	157	-	102	3	48	13/16"	14.2
931-065	M139	60	725-900	400-550	127.0	157	-	102	3	48	13/16"	14.2

Other mounts & isolators available



CONFLEX ISOLATORS

Conflex isolators are designed to meet almost all machinery installations within the load range, available in four rubber hardnesses they are the versatile answer to your mobile or static vibration problems. Also available in type 304 stainless for marine and corrosive applications



Dimensions

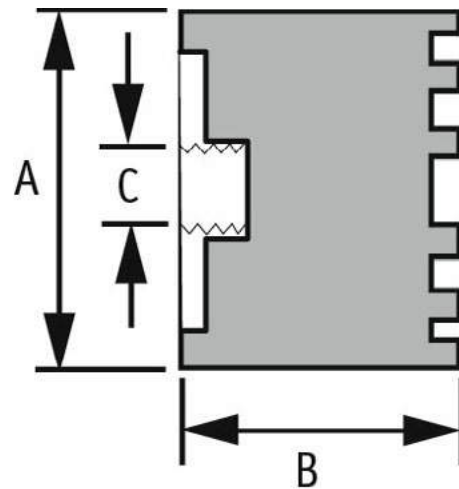
Product Code	A	B	C	D	E	F	G
M1111	80	60	29	50	31	8.5	M8
M1112	100	76	32	60	46	8.5	M10
M1112##NM12	100	76	32	60	46	8.5	M12

Nominal Characteristics

Product Code	Mount #	Max Load Kg	Deflection at Max Load (mm)	Shear Kg	DEF (mm)	Duro	Colour Code
941-111135	M1111	30	4.5	6	5	35	GREEN
941-111145	M1111	40	5.0	10	5	45	RED
941-111155	M1111	50	5.5	15	5	55	YELLOW
941-111165	M1111	75	5	20	5	65	WHITE
941-111235	M1112	90	6	20	6	35	GREEN
941-111235NM12	M1112##NM12	90	6	20	6	35	RED
941-111245	M1112	110	6	25	6	45	RED
941-111255	M1112	160	6	40	6	55	YELLOW
941-111255NM12	M1112##NM12	160	6	40	6	55	GREEN
941-111265	M1112	250	6	65	6	65	WHITE
941-111265NM12	M1112##NM12	250	6	65	6	65	GREY

Other mounts & isolators available

MULTI BUFFERS



Multibuffers are designed for inexpensive and effective control of vibration shock and acoustic noise and are equally adaptable in controlling impact or for use as simple machine feet.

The multibuffer face profile has been designed to provide a simple slip resistant surface whilst maintaining optimum impact and static properties

K

Product Code	A (mm)	B (mm)	C* Metric	Duro	Static Load (Kg)	Def (mm)	Buffing Load (Kg)	Def (mm)
945-12201855	20	18	M6	55	26	2.5	57	5.0
945-12252555	25	25	M6	55	25	3.0	53	6.0
945-12302055	30	20	M8	55	46	2.5	105	5.0
945-12303055	30	30	M8	55	47	3.5	94	7.0
945-12402055	40	20	M8	55	78	2.5	184	5.0
945-12403055	40	30	M8	55	78	3.5	162	7.0
945-12503555	50	35	M10	55	157	4.0	316	8.0
945-12754055	75	40	M10	55	323	4.5	696	9.0
945-121004055	100	40	M16	55	637	4.5	1284	9.0
945-121505555	150	55	M16	55	1382	6.0	2950	12.0

*Uses optional stud system, (M6M6 to M16M16) refer page 129

Other mounts & isolators available

MARINE



CHEMICAL



MINING



OIL - FUEL





AGRICULTURE



AUTOMOTIVE

IVG RUBBER HOSE

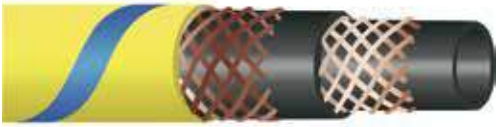
- | | |
|---|---|
| <p>136... ALASKA HIGH PRESSURE AIR
ALSAKA SUPER HD
SAHARA HOT AIR BLOWER</p> |  |
| <p>137... MONTANNA AIR 20 BAR YELLOW
MONTREAL AIR/WATER
DELIVERY 10 BAR
MONTANNA AIR/WATER
DELIVERY 20 BAR</p> |  |
| <p>138... TORONTO WATER SUCTION
/DELIVERY 10BAR
TORONTO WATER SUCTION
/DELIVERY 20 BAR</p> |  |
| <p>139... AUSTRALIA OIL DELIVERY 10 BAR
MALMO OIL SUCTION/DELIVERY 10 BAR</p> |  |
| <p>140... IVALO OIL SUCTION/DELIVERY
PUERTORICO OIL SUCTION/DELIVERY</p> |  |
| <p>141... ETNA MARINE EXHAUST
YORK RADIATOR HOSE</p> |  |
| <p>142... MICHIGAN HOT WATER WASHDOWN
MANITOBA TEXTILE BRAIDED STEAM
VICTORIA STEEL BRAIDED STEAM</p> |  |
| <p>143... SUPERTOP CHEMICAL SUCTION
/DELIVERY 10 BAR
DUGITE AIRSEEDER HOSE
ORINOCO SAND & SHOT</p> |  |
| <p>144... NIAGARA CONCRETE DELIVERY
SHANNON 80 BAR CONCRETE DELIVERY
DON ABRASIVE MATERIAL DELIVERY</p> |  |
| <p>145... VOLGA MATERIAL SUC TION & DELIVERY
RC DRILL HOSE</p> |  |

L

All dimensions and weights are nominal and subject to change.

AIR

ALASKA HIGH PRESSURE AIR:



Heavy duty steel braided air hose, for the most severe applications in the mining, industrial and construction services.

Tube: Black smooth SBR rubber, heat and oil mist resistant.

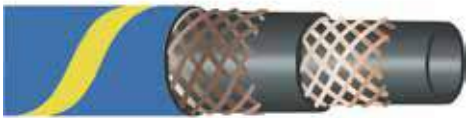
Cover: Yellow smooth SBR rubber.

Reinforcing: Plies of steel wire cord.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H03-012	13.0	25.5	660	0.58	120
H03-020	19.0	31.5	660	0.76	120
H03-025	25.0	37.5	660	0.94	120
H03-032	32.0	44.5	660	1.24	120
H03-038	38.0	51.0	660	1.49	120
H03-050	51.0	65.0	660	2.01	120
H03-063	63.5	80.0	660	2.90	60
H03-075	76.0	95.0	660	4.68	60
H03-100	102.0	127.0	660	7.34	60

ALASKA SUPER HD:



Ultra heavy duty steel air hose, for use specifically on drill rigs for high pressure, high temperature applications.

Tube: Black NBR rubber, heat and oil mist resistant.

Cover: Blue smooth synthetic rubber.

Reinforcing: Plies of steel wire cord.

Temperature: -35 to +135 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H43-050	51.0	68.5	1000	3.29	20, 60
H43-063	63.5	84.5	1000	4.67	20, 60
H43-075	76.0	98.0	1000	5.75	20, 60

SAHARA HOT AIR BLOWER:



Heavy duty mandrel built hose, designed for conveying hot air from compressors to tanks during the transfer of dry bulk materials.

Tube: Black smooth EPDM rubber, heat resistant.

Cover: Black corrugated(LO) / smooth (LL) EPDM rubber

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -40 to +177 degrees Celsius.

Sahara LO (Corrugated)

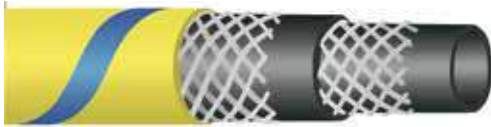
Product Code	I.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H11-075	76.0	150	2.89	60

Sahara LL (Smooth)

Product Code	I.D. (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H11-076	76.0	94.0	150	2.89	60
H11-102	102.0	120.0	150	3.99	60

MONTANA AIR 20 BAR:

AIR



Heavy duty mandrel built air hose, for general purpose applications. Its bright yellow cover makes it easily visible in underground mining situations.

Tube: Black smooth SBR rubber, oil mist resistant.

Cover: Yellow smooth EPDM rubber.

Reinforcing: Plies of synthetic cord.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H02-012	13.0	22.0	300	0.38	20, 120
H02-020	19.0	35.0	300	0.54	20, 120
H02-025	25.0	38.0	300	0.78	20, 120
H02-032	32.0	46.0	300	0.95	20, 120
H02-038	38.0	54.0	300	1.42	20, 120
H02-050	51.0	67.0	300	1.48	20, 120
H02-075	76.0	95.0	300	2.31	20, 60

AIR/WATER

MONTREAL AIR/WATER DELIVERY 10 BAR:



Medium duty mandrel built discharge hose, for water, compressed air, widely used by industry, in construction sites etc.

Tube: Black smooth SBR rubber.

Cover: Black smooth EPDM rubber.

Reinforcing: Plies of synthetic cord.

Temperature: -35 to +70 degrees Celsius

Product Code	I.D. (Mm)	O.D. (Mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H04-012	13.0	20.0	150	0.22	20, 120
H04-020	19.0	26.0	150	0.30	20, 120
H04-025	25.0	33.0	150	0.47	20, 120
H04-032	32.0	42.0	150	0.79	20, 120
H04-038	38.0	47.0	150	0.87	20, 120
H04-044	45.0	55.0	150	1.04	20, 120
H04-050	51.0	61.0	150	1.14	20, 120
H04-063	63.5	75.5	150	1.75	20, 60
H04-075	76.0	87.0	150	1.84	20, 120
H04-090	90.0	106.0	150	3.19	20, 60
H04-100	102.0	118.0	150	4.07	20, 60
H04-125	127.0	147.0	150	5.40	20
H04-150	152.0	170.5	150	6.44	20

MONTANNA AIR/WATER DELIVERY 20 BAR:



Heavy duty mandrel built air hose, for general purpose applications. Its strong yet flexible construction guarantees a long life and ease of handling.

Tube: Black smooth SBR rubber. Oil mist resistant.

Cover: Black smooth EPDM rubber,

Reinforcing: Plies of synthetic cord.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H26-012	13.0	23.0	300	0.38	20
H26-020	19.0	32.0	300	0.67	20
H26-025	25.0	39.5	300	0.95	20
H26-032	32.0	46.0	300	1.05	20
H26-050	51.0	69.0	300	2.05	20
H26-063	63.0	83.0	300	2.22	20
H26-075	76.0	95.0	300	2.78	20, 60
H26-100	102.0	120.0	300	3.85	60
H26-150	152.0	172.0	300	6.35	20, 60
H26-200	203.0	223.0	300	7.94	20, 60
H26-250	254.0	274.0	300	9.57	20, 60



WATER SUCTION/DELIVERY

TORONTO WATER SUCTION/DELIVERY 10 BAR:



Heavy duty mandrel built water suction and discharge hose. Used in pumping applications where a rugged hard wearing hose is required.

Tube: Black smooth SBR rubber.

Cover: Black smooth EPDM rubber.

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Rad. (mm)	Weight (Kg/mt)	Coil Length (mt)
H14-020	19.0	29.0	150	80	0.65	60
H14-025	25.0	33.5	150	105	0.66	60
H14-032	32.0	42.0	150	135	0.98	60
H14-038	38.0	49.0	150	165	1.32	60
H14-050	51.0	61.5	150	230	1.74	60
H14-063	63.5	75.5	150	290	2.40	60
H14-076	76.0	92.0	150	360	3.60	60
H14-102	102.0	116.0	150	515	4.13	60
H14-125	127.0	142.0	150	670	7.17	60
H14-150	152.0	172.5	150	935	10.30	60
H14-200	203.0	228.0	150	1400	17.69	12
H14-250	254.0	283.0	150	2000	24.37	12

L

TORONTO WATER SUCTION/DELIVERY 20 BAR:



Heavy duty mandrel built water suction and discharge hose. Used in pumping applications where a rugged hard wearing hose is required.

Tube: Black smooth SBR rubber.

Cover: Black smooth EPDM rubber.

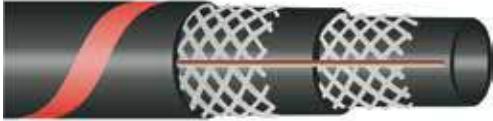
Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Rad. (mm)	Weight (Kg/mt)	Coil Length (mt)
H34-075	76.0	88.0	300	360	3.80	60
H34-100	102.0	122.0	300	515	5.90	60
H34-150	152.0	177.0	300	935	11.90	60
H34-200	203.0	242.0	220	1400	24.0	60

PETROL & OIL

AUSTRALIA OIL DELIVERY 10 BAR:



Medium duty mandrel built delivery hose, for the transfer of petroleum based products with up to 30% aromatic content.

Not recommended for ULP transfer.

Tube: NBR rubber compound.

Cover: CR rubber compound.

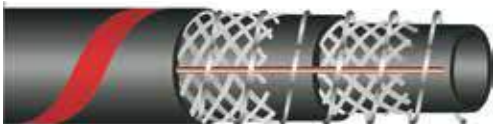
Reinforcing: Plies of synthetic cord with a anti static wire.

Temperature: -20 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H27-012	13.0	20.0	150	0.26	20
H27-020	19.0	27.0	150	0.39	20, 60
H27-025	25.0	36.0	150	0.74	20, 120
H27-032	32.0	42.0	150	0.82	20, 120
H27-038	38.0	47.0	150	0.78	20, 120
H27-044	45.0	55.0	150	1.01	20, 120
H27-050	51.0	61.0	150	1.12	20, 120
H27-057	58.0	70.0	150	1.60	20, 60
H27-063	63.5	74.0	150	1.46	20, 60
H27-075	76.0	89.0	150	2.14	20, 60
H27-090	90.0	105.0	150	2.87	20, 60
H27-100	102.0	115.0	150	2.97	20, 60
H27-114	114.0	127.0	150	3.30	20, 60
H27-125	125.0	141.0	150	3.78	20, 60
H27-150	152.0	168.0	150	4.95	20, 60



MALMO OIL SUCTION/DELIVERY 10 BAR:



Tank truck suction and delivery hose, used for transfer of a wide range of petroleum based products with up to 30% aromatic content.

Not recommended for ULP transfer.

Tube: NBR rubber.

Cover: Black smooth chloroprene rubber.

Reinforcing: Plies of synthetic cord, steel wire helix with a anti static wire

Temperature: -20 to +100 degrees Celsius -
When conveying Hydraulic oil

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Rad. (mm)	Weight (Kg/mt)	Coil Length (mt)
H28-020	19.0	30.0	150	75	0.67	20, 60
H28-025	25.0	35.0	150	125	0.80	20, 60
H28-032	32.0	43.0	150	175	1.04	20, 60
H28-038	38.0	49.5	150	200	1.34	20, 60
H28-044	45.0	57.0	150	240	1.60	20, 60
H28-050	51.0	63.0	150	300	1.84	20, 60
H28-057	58.0	71.0	150	400	2.39	20, 60
H28-063	63.5	78.0	150	400	2.80	20, 60
H28-075	76.0	89.0	150	500	2.94	20, 60
H28-090	90.0	106.0	150	600	4.20	20, 60
H28-100	102.0	119.0	150	700	5.24	20, 60
H28-114	114.0	132.5	150	1368	6.17	20, 60
H28-125	125.0	145.0	150	1500	7.45	20, 60
H28-150	152.0	175.0	150	1824	11.38	20, 60



PETROL & OIL

IVALO OIL SUCTION/DELIVERY:



Flexible rubber hose with corrugated cover for extra flexibility, suited to convey a wide range of petroleum based products with up to 30% aromatic content. Suitable for suction (vacuum 0.5 bar) and delivery.

Tube: Black smooth nitrile rubber

Cover: Black Corrugated CR rubber

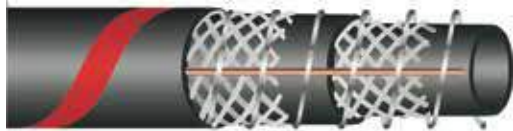
Reinforcing: Plies of Synthetic cord, steel wire helix

Temperature: -30 to + 120 Degrees Celsius

Product Code	I.D. (mm)	W.P. (Psi)	Bend Rad (mm)	Weight (Kg/mt)	Coil Length (mt)
H29-020	19.0	75	50	0.40	60
H29-022	22.0	75	60	0.45	60
H29-025	25.0	75	67	0.50	60
H29-028	28.0	75	75	0.55	60
H29-032	32.0	75	85	0.62	60
H29-035	35.0	75	95	0.67	60
H29-038	38.0	75	105	0.70	60
H29-042	42.0	75	120	0.76	60
H29-045	45.0	75	130	0.81	60
H29-051	51.0	75	150	1.01	60
H29-063	63.0	75	185	1.24	60
H29-075	76.0	75	240	1.68	60
H29-090	90.0	75	345	1.98	60
H29-100	102.0	75	345	2.50	60

L

PUERTORICO OIL SUCTION/DELIVERY:



Heavy duty suction/delivery hose for high pressure fuel and oil. Used for a large range of petroleum products up to 50% aromatic content. Flame retardant.

Tube: PVC/NBR rubber compound

Cover: CR rubber compound with anti-static wire.

Reinforcing: Plies of synthetic cord

Temperature: -25 to +90 degrees Celsius.

Product Code	I.D. (Mm)	O.D. (Mm)	W.P (Psi)	Bend Rad (mm)	Weight (Kg/mt)	Coil Length (mt)
H41-050	51.0	66.0	300	300	2.03	60
H41-063	63.5	79.0	300	375	2.74	60
H41-075	76.0	94.0	300	450	3.18	60
H41-100	102.0	122.0	300	600	5.26	60
H41-150	152.0	180.0	300	900	12.48	60
H41-200	203.0	237.0	300	1200	18.10	60

MARINE EXHAUST & RADIATOR

ETNA WET EXHAUST:



Light duty mandrel built suction and delivery hose, specially designed for conveying wet gas exhaust mixed in the marine industry. Corrugated outer cover for extra flexibility.

Standards: Nordic Boat standard MC9 with homologation VTT. Lloyds Register LR rules and regulations for special service craft.

Tube: Black smooth CR rubber.

Cover: Black corrugated Flame retardant synthetic rubber, weathering resistant.

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -30 to +100 degrees Celsius.

Product Code	I.D. (Mm)	W.P (Psi)	Bend Rad. (mm)	Weight (Kg/mt)	Coil Length (mt)
H23-025	25.0	25	110	0.53	60
H23-032	32.0	25	130	0.63	60
H23-038	38.0	25	160	0.74	60
H23-045	45.0	25	170	0.86	60
H23-050	51.0	25	180	1.06	60
H23-057	58.0	25	190	1.20	60
H23-060	60.0	25	195	1.23	60
H23-063	63.5	25	200	1.30	60
H23-070	70.0	25	225	1.42	60
H23-075	76.0	25	250	1.46	60
H23-090	90.0	25	330	1.71	60
H23-100	102.0	25	410	2.06	60
H23-114	114.0	25	485	2.33	60
H23-127	127.0	25	560	2.58	20
H23-152	152.0	20	680	3.18	20
H23-203	203.0	15	995	5.50	10
H23-254	254.0	15	1100	7.67	12
H23-305	305.0	15	1300	11.37	12

APPROVED TO:LLOYD'S APPROVAL:No: 99/0169 NMA NBS MC9:No COL98.
FIRE RESISTANT ACCORDING TO MK9 VTT REP761/97

YORK RADIATOR:



Mandrel built rubber delivery hose, recommended for handling hot water, anti-freeze etc in cooling system.

Tube: Synthetic Rubber.

Cover: Black smooth EPDM rubber.

Reinforcing: Plies of synthetic cord.

Temperature:-40 to +100 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P. (Psi)	Weight (Kg/mt)	Unit Length (mt)
H15-013	13.0	19.0	45	0.18	1.0
H15-016	16.0	23.0	45	0.25	1.0
H15-019	19.0	27.0	45	0.33	1.0
H15-022	22.0	28.0	45	0.34	1.0
H15-025	25.0	33.0	45	0.47	1.0
H15-028	28.0	36.0	45	0.46	1.0
H15-030	30.0	38.0	45	0.49	1.0
H15-032	32.0	40.0	45	0.52	1.0

Product Code	I.D. (mm)	O.D. (mm)	W.P. (Psi)	Weight (Kg/mt)	Unit Length (mt)
H15-035	35.0	43.0	45	0.57	1.0
H15-038	38.0	46.0	45	0.61	1.0
H15-040	40.0	49.0	45	0.78	1.0
H15-042	42.0	51.0	45	0.82	1.0
H15-045	45.0	54.0	45	0.83	1.0
H15-048	48.0	58.0	45	1.05	1.0
H15-051	51.0	61.0	45	1.11	1.0
H15-055	55.0	65.0	45	1.19	1.0
H15-058	58.0	68.0	45	1.26	1.0
H15-060	60.0	70.0	45	1.29	1.0
H15-063	63.5	73.5	45	1.33	1.0
H15-065	65.0	76.5	45	1.58	1.0
H15-070	70.0	80.0	45	1.50	1.0
H15-073	73.0	83.0	45	1.60	1.0
H15-076	76.0	86.0	45	1.62	1.0
H15-080	80.0	92.5	45	1.76	1.0
H15-083	83.0	93.0	45	1.67	1.0
H15-090	90.0	100.0	45	2.41	1.0
H15-102	102.0	112.0	45	2.14	1.0
H15-114	114.0	126.5	45	3.01	1.0
H15-127	127.0	140.0	45	3.40	1.0
H15-140	140.0	152.0	45	3.71	1.0
H15-152	152.0	167.0	45	4.43	1.0



HOT WASHDOWN & STEAM

MICHIGAN HOT WATER WASHDOWN:



Mandrel built rubber delivery hose. Designed for floor and equipment washdown in dairies, food processing plants and paper mills. Suitable for outdoor use.

Tube: White smooth SBR rubber.

Cover: White smooth EPDM rubber.

Reinforcing: Plies of synthetic cord.

Temperature: -40 to +80 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H12-012	13.0	25.5	150	0.48	120
H12-020	19.0	32.0	150	0.64	120
H12-025	25.0	39.0	150	0.88	120

MANITOBA TEXTILE BRAIDED STEAM HOSE:



Mandrel built rubber steam hose, textile reinforced, recommended for use with saturated steam at a maximum working pressure of 87 psi.

Tube: Black smooth EPDM rubber.

Cover: Red smooth EPDM rubber.

Reinforcing: Plies of synthetic cord.

Temperature: -40 to +165 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H05-012	13.0	25.0	87	0.40	120
H05-020	19.0	32.0	87	0.58	120
H05-025	25.0	39.5	87	0.72	120
H05-032	32.0	46.5	87	1.00	60
H05-038	38.0	54.0	87	1.20	60
H05-050	51.0	68.0	87	1.68	60

VICTORIA STEEL BRAIDED STEAM HOSE:



Mandrel built high pressure wire reinforced steam hose, designed for service with superheated steam at a maximum working pressure of 250 psi.

Tube: Black smooth EPDM rubber.

Cover: Red smooth EPDM rubber

Reinforcing: Plies of steel wire cord.

Temperature: -40 to +210 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H06-012	13.0	25.0	250	0.53	120
H06-020	19.0	31.0	250	0.68	120
H06-025	25.0	38.0	250	0.90	120
H06-032	32.0	45.5	250	1.30	60
H06-038	38.0	54.0	250	1.60	60
H06-050	51.0	67.0	250	2.20	60
H06-063	63.5	81.5	250	3.80	60

L

CHEMICAL

SUPERTOP/LL (UHMWPE FDA APPROVED) SUCTION/DELIVERY:



Mandrel built chemical suction and delivery hose. The UHMW polyethylene F.D.A approved tube has an excellent resistance to most chemicals without contaminating the product conveyed.

Tube: Clear UHMW Polyethylene, F.D.A.

Cover: Green smooth EPDM rubber.

Reinforcing: Plies of synthetic cord, steel wire helix. With an anti static wire

Temperature: -20 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/mt)	Coil Length (mt)
H10-020	19.0	32.0	150	125	0.90	60
H10-025	25.0	37.0	150	155	0.95	60
H10-032	32.0	46.0	150	230	1.35	60
H10-038	38.0	50.5	150	250	1.50	60
H10-050	51.0	64.0	150	345	1.91	60
H10-063	63.5	77.5	150	450	2.58	60
H10-075	76.0	90.0	150	650	3.61	60
H10-100	102.0	120.0	150	850	4.98	60

MATERIAL HANDLING

DUGITE AIRSEEDER:



Mandrel built rubber hose, designed for use in air seeding and light slurry applications. Excellent flexibility and abrasion resistance.

Tube: Black smooth SAR rubber.

Cover: Black smooth SBR rubber.

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/mt)	Coil Length (mt)
H44-032	32.0	42.0	44	384	1.00	20
H44-044	45.0	57.0	150	540	1.56	20
H44-050	51.0	62.5	150	612	1.76	20
H44-063	63.5	75.0	150	762	2.24	20
H44-075	76.0	89.5	150	912	2.91	20

ORINOCO SAND & SHOT:



Mandrel built rubber delivery hose, designed for use in sand and bead blasting applications.

Tube: Black smooth NR/SBR rubber.

Cover: Black smooth NR/SBR rubber.

Reinforcing: Plies of synthetic cord

Temperature: -40 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H21-1228	13.0	28.0	175	0.49	20
H21-2040	19.0	40.0	175	0.61	20
H21-2540L	25.0	40.0	175	0.82	20
H21-2548	25.0	48.0	175	0.84	20
H21-3248L	32.0	48.0	175	1.06	20
H21-3255	32.0	55.0	175	1.06	20
H21-3864	38.0	64.0	175	1.22	20
H21-5076	51.0	76.0	175	2.11	60
H21-050H	51.0	76.0	220	2.11	60

MATERIAL HANDLING

NIAGARA CONCRETE DELIVERY:



Mandrel built rubber hose engineered for the spraying of plaster, grout, gypsum and concrete. Its heavy construction helps resist kinking.

Tube: NR/SBR rubber.

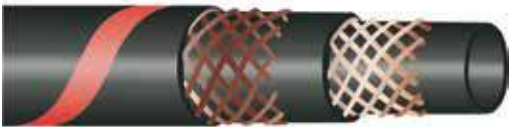
Cover: NR/SBR rubber.

Reinforcing: Plies of synthetic cord.

Temperature: -40 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H40-038	38.0	54.0	580	1.21	60
H40-050	51.0	68.0	580	1.71	60
H40-063	63.5	87.0	580	2.73	60
H40-075	76.0	104.0	580	4.03	60
H40-090	90.0	119.5	580	4.98	60
H40-100	102.0	128.0	580	4.76	60

SHANNON 80 BAR CONCRETE DELIVERY:



Extra heavy duty mandrel built rubber hose, used for the placement of concrete to the casting location. Its flexible construction allows easy handling and small bending radius. Extremely crush resistant.

Tube: NBR/SBR rubber.

Cover: NBR/SBR rubber.

Reinforcing: 4 plies of steel wire cord.

Temperature: -40 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H39-063	63.0	89.0	1200	4.84	40
H39-075	76.0	104.0	1200	6.12	60
H39-090	90.0	119.0	1200	6.10	60
H39-100	100.0	128.0	1200	7.74	60
H39-125	127.0	155.0	1200	9.70	40

DON ABRASIVE MATERIAL DELIVERY:



Mandrel built rubber delivery hose, for the low pressure transfer of slurry, cement, sand, silica and other abrasive materials.

Tube: NR/SBR rubber.

Cover: NBR/SBR rubber.

Reinforcing: Plies of synthetic cord.

Temperature: -40 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
H37-100	102.0	122.0	150	3.73	60
H37-125	127.0	150.0	150	5.47	60
H37-150	152.0	175.0	150	6.33	60

MATERIAL HANDLING

VOLGA ABRASIVE MATERIAL SUCTION/DELIVERY:



Mandrel built rubber suction and discharge hose designed for the transfer of slurry, sand and other abrasive materials. Can be used in conjunction with “muff couplings”.

Tube: NR/SBR rubber.

Cover: EPDM rubber.

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/mt)	Coil Length (mt)
H35-050	51.0	71.0	75	230	2.59	20, 60
H35-075	76.0	103.0	75	360	4.77	20, 60
H35-100	102.0	128.0	75	515	6.36	20, 60
H35-150	152.0	182.0	75	835	12.21	20, 60
H35-200	203.0	235.0	75	1220	17.23	12
H35-250	254.0	287.0	75	1610	21.70	12
H35-300	305.0	345.0	75	2040	35.65	12



RC DRILL:



Heavy duty mandrel built rubber hose. Engineered for specific use on reverse cycle drilling rigs where high pressure, high volume abrasive compounds are conveyed.

Tube: Black smooth SAR rubber 65 duro.

Cover: Black smooth SBR rubber.

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -30 to +70 degrees Celsius.

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/mt)	Coil Length (mt)
H16-050	51.0	80.5	500	612	4.14	20, 60
H16-063	63.5	95.5	500	762	5.65	20, 60
H16-075	76.0	109.0	500	912	6.72	20, 60
H16-100	102.0	138.5	500	1224	8.11	20

AIR / WATER



DE-WATERING

OIL - FUEL

M1

 **ALFAGOMMA**

MINING

MATERIAL
HANDLING



CONCRETE
PUMPING

ALFAGOMMA

WRAPPED RUBBER HOSE

- 148... 155AA AIR 20 BAR
151AA AIR 20 BAR HEAVY DUTY
240AA AIR WATER 20 BAR FRAS**
- 149... 254AA WATER DELIVERY 10 BAR
202AA WATER SUCTION/DELIVERY
220AA CORRUGATED SOFT ENDS
WATER SUCTION/DELIVERY**
- 150... 650AA FUEL OIL DELIVERY
658AA DOMESTIC FUEL REELING
605AA FUEL OIL SUCTION/DELIVERY**
- 151... 350AA STEAM HOSE
350LL STEAM HOSE FOOD GRADE
330AH SATURATED STEAM HOSE**
- 152... 5090E CHEMICAL SUCTION/DELIVERY
702AA AIR SEEDER HOSE**
- 153... 402LH FOOD SUCTION/DELIVERY
760LA BULK FOOD DELIVERY
760AA BULK MATERIAL DELIVERY**
- 154... 776AA MINERAL SAMPLING HOSE
753AA SANDBLAST HOSE
706AA MUFF COUPLING HOSE**
- 155... 737AA CONCRETE PUMPING 40 BAR
740AA CONCRETE PUMPING 85 BAR**

M1



155AA - AIR HOSE 20 BAR:



20 Bar Compressed Air Hose for heavy duty applications

Tube: SBR/NBR Blend - Oil mist resistant
Reinforcement: High tensile textile cords
Cover: SBR - Abrasion and ozone resistant
Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG155AA-020	19.0	29.0	300	0.54	20
AG155AA-025	25.0	35.0	300	0.68	20
AG155AA-032	32.0	44.0	300	1.06	20
AG155AA-038	38.0	50.0	300	1.24	20
AG155AA-050	51.0	65.0	300	1.63	20
AG155AA-063	63.0	79.0	300	2.25	20
AG155AA-075	76.0	92.0	300	2.75	20
AG155AA-100	102.0	118.0	300	3.60	20

151AA - AIR HOSE 20 BAR HEAVY DUTY MINING:



20 Bar Compressed Air Hose for heavy duty mining applications

Tube: SBR/NBR Blend - Oil mist resistant
Reinforcement: High tensile textile cords
Cover: SBR - Abrasion and ozone resistant
Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG151AA-012	13.0	23.0	300	0.42	20
AG151AA-020	19.0	31.0	300	0.68	20
AG151AA-025	25.0	37.0	300	0.84	20
AG151AA-038	38.0	52.0	300	1.24	20
AG151AA-050	51.0	67.0	300	2.16	20
AG151AA-075	76.0	93.0	300	3.19	20

240AA - AIR/WATER 20 BAR FRAS:



Air, water and stone dust delivery in underground coal mines. Exceeds AS 2660/B

Tube: SBR/NR Black Conductive
Reinforcement: High tensile textile cords
Cover: SBR - Black Conductive, Abrasion, ozone and fire resistant.
Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG240AA-012	13.0	23.0	300	0.32	20, 61
AG240AA-020	19.0	31.0	300	0.53	20, 61
AG240AA-025	25.0	37.0	300	0.67	20, 61
AG240AA-032	32.0	46.0	300	1.02	61
AG240AA-038	38.0	52.0	300	1.16	20, 61
AG240AA-050	51.0	67.0	300	1.74	20, 40, 61
AG240AA-063	63.0	80.0	300	2.14	20, 61
AG240AA-075	76.0	93.0	300	2.55	20, 61
AG240AA-100	102.0	119.0	300	3.42	61

M1

WATER

254AA - WATER DELIVERY 10 BAR:



10 Bar Water delivery in general industrial applications

Tube: SBR Rubber

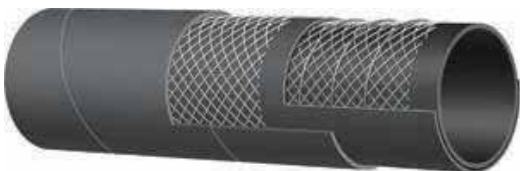
Reinforcement: High tensile textile cords

Cover: SBR - Abrasion and ozone resistant

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG254AA-012	13.0	21.0	150	0.32	20
AG254AA-020	19.0	27.0	150	0.42	20
AG254AA-025	25.0	33.0	150	0.53	20
AG254AA-032	32.0	42.0	150	0.82	20
AG254AA-038	38.0	48.0	150	0.96	20
AG254AA-050	51.0	61.0	150	1.27	20
AG254AA-063	63.0	75.0	150	1.89	20
AG254AA-075	76.0	88.0	150	2.27	20
AG254AA-100	102.0	114.0	150	3.06	20
AG254AA-115	115.0	127.0	150	3.40	20

202AA - WATER SUCTION/DELIVERY 10 BAR:



10 Bar Water suction & delivery hose in general industrial and agricultural applications.

Tube: EPDM Rubber

Reinforcement: High tensile textile cords with embedded wire helix

Cover: SBR - Abrasion and ozone resistant

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG202AA-025	25.0	35.0	150	100	0.68	20
AG202AA-032	32.0	42.0	150	128	0.81	20
AG202AA-038	38.0	48.0	150	152	0.93	20
AG202AA-050	51.0	61.0	150	204	1.22	20
AG202AA-063	63.0	75.0	150	252	1.76	20
AG202AA-075	76.0	88.0	150	304	2.10	20, 30.5
AG202AA-100	102.0	114.0	150	408	2.95	20, 30.5
AG202AA-125	127.0	141.0	150	635	4.67	20
AG202AA-150	152.0	166.0	150	760	5.84	6.1, 20
AG202AA-200	203.0	221.0	150	1015	9.81	6.1, 10

220AA - CORRUGATED SOFT ENDS SUCTION & DELIVERY:



Water/slurry suction and delivery hose. Flexible and light weight construction

Tube: Black SBR.

Reinforcement: High tensile textile cords with embedded wire helix

Cover: Black SBR - Abrasion and ozone resistant

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG220AA-100	102.0	118.0	75	255	3.02	6
AG220AA-150	152.0	171.0	45	380	6.10	3, 6
AG220AA-200	203.0	223.0	45	510	8.04	3, 6

M1

FUEL & OIL

650AA - FUEL - OIL DELIVERY 10 BAR:



10 Bar General purpose fuel and oil delivery

Tube: NBR - Black Conductive

Reinforcement: High tensile textile cords

Cover: Black Conductive CR- Abrasion, ozone, hydrocarbon and fire resistant

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG650AA-020	19.0	29.0	150	0.47	61
AG650AA-025	25.0	35.0	150	0.58	20, 61
AG650AA-032	32.0	42.0	150	0.71	20, 61
AG650AA-038	38.0	48.0	150	0.83	20, 61
AG650AA-050	51.0	61.0	150	1.10	20, 61
AG650AA-075	76.0	88.0	150	1.96	20, 61
AG650AA-100	102.0	114.0	150	2.66	20, 61

658AA - DOMESTIC FUEL REELING 16 BAR:



Fuel and oil delivery in heavy duty reeling applications. Also suitable for tank cleaning.

Tube: NBR - Black Conductive

Reinforcement: High tensile textile cords

Cover: Black Conductive CR- Abrasion, ozone, hydrocarbon and flame resistant

Temperature: -30°C to 70°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG658AA-025	25.0	37.0	240	13.57	61
AG658AA-032	32.0	44.0	240	14.45	61
AG658AA-038	38.0	51.0	240	15.85	61
AG658AA-050	51.0	67.0	240	20.44	61

M1

605AA - FUEL - OIL SUCTION/DELIVERY 10 BAR:



10 Bar Fuel, Oil and Hydraulic fluids suction and delivery hose, specially designed for tank trucks and general industrial applications.

Tube: Black Conductive NBR

Reinforcement: High tensile textile cords with embedded steel helix wire.

Cover: Black CR - Abrasion, ozone and hydrocarbon resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG605AA-020	19.0	29.0	150	76	0.60	20, 61
AG605AA-025	25.0	35.0	150	100	0.74	20, 61
AG605AA-032	32.0	42.0	150	128	0.90	20, 61
AG605AA-038	38.0	48.0	150	152	1.03	20, 61
AG605AA-045	45.0	55.0	150	180	1.19	30.5
AG605AA-050	51.0	61.0	150	204	1.33	20, 61
AG605AA-063	63.0	75.0	150	252	2.08	20, 30.5
AG605AA-075	76.0	88.0	150	304	2.48	20, 30.5
AG605AA-090	90.0	104.0	150	360	3.04	30.5
AG605AA-100	102.0	116.0	150	408	3.40	20, 30.5
AG605AA-125	127.0	145.0	150	508	5.78	30.5
AG605AA-150	152.0	170.0	150	608	7.15	30.5
AG605AA-200	203.0	225.0	150	812	11.63	20

STEAM & HOT WASHDOWN

350AA - STEAM 7 BAR - HOT WATER 15 BAR:



Steam and hot water delivery in general industrial applications.

Tube: Black EPDM

Reinforcement: High Tensile textile cords

Cover: Black EPDM - Heat, abrasion and ozone resistant.

Temperature: -40°C to 165°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG350AA-020	19.0	31.0	100	0.61	20
AG350AA-025	25.0	37.0	100	0.75	20
AG350AA-038	38.0	52.0	100	1.10	20
AG350AA-050	51.0	67.0	100	1.70	20

350LL - STEAM 7 BAR - HOT WATER 15 BAR FOOD GRADE:



Steam and hot water delivery in general industrial applications, specially designed for wash down use in the food and dairy industries.

Tube: White Food Grade EPDM

Reinforcement: High Tensile textile cords

Cover: White EPDM - Heat, abrasion and ozone resistant.

Temperature: -40°C to 165°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG350LL-012	13.0	23.0	100	0.39	20, 61
AG350LL-020	19.0	31.0	100	0.65	20, 61
AG350LL-025	25.0	37.0	100	0.80	20, 61

M1

330AH - SATURATED STEAM 17 BAR:



Saturated Steam

Tube: Black EPDM

Reinforcement: High Tensile Steel cords

Cover: Red EPDM - Heat, abrasion and ozone resistant. Pin Pricked

Temperature: -40°C to 210°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG330AH-012	13.0	25.0	250	0.56	61
AG330AH-020	19.0	32.0	250	0.73	30.5, 61
AG330AH-025	25.0	38.0	250	0.90	61
AG330AH-032	32.0	46.0	250	1.39	61
AG330AH-038	38.0	52.0	250	1.61	61
AG330AH-050	51.0	67.0	250	2.24	61

CHEMICAL

509OE - CHEMICAL SUCTION/DELIVERY 16 BAR:



Chemical suction and delivery hose, suitable for 98% of existing chemicals.

Tube: UHMWPE - FDA

Reinforcement: High Tensile textile cords with embedded steel helix wire

Cover: Blue EPDM - Abrasion and ozone resistant.

Temperature: -20°C to 65°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG509OE-020	19.0	31.0	240	188	0.59	30.5
AG509OE-025	25.0	37.0	240	225	0.73	30.5
AG509OE-032	32.0	44.0	240	263	0.87	30.5
AG509OE-038	38.0	50.0	240	338	1.01	30.5
AG509OE-050	51.0	63.0	240	413	1.33	30.5
AG509OE-063	63.0	77.0	240	450	2.08	30.5
AG509OE-075	76.0	92.0	240	525	2.82	30.5
AG509OE-100	102.0	118.0	240	675	3.85	30.5

AIR SEEDER

M1

702AA - AIR SEEDER 10 BAR:



Agricultural seed transfer on Air Flo seeding equipment.

Tube: Black Conductive NR - Abrasion Resistant

Reinforcement: High Tensile textile cords with embedded steel helix wire

Cover: Black NBR/PVC Blend - Oil, Heat, Abrasion and Ozone resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG702AA-032	32.0	42.0	150	128	0.74	20
AG702AA-038	38.0	48.0	150	152	1.00	20
AG702AA-045	45.0	55.0	150	180	1.16	20
AG702AA-050	51.0	61.0	150	204	1.30	20
AG702AA-063	63.0	75.0	150	252	2.02	20
AG702AA-075	76.0	88.0	150	304	2.41	20

FOOD GRADE

402LH - FOOD SUCTION/DELIVERY 10 BAR:



Suction and delivery of Liquid food and alcoholic beverages. Max 50% proof. Special construction for maximum flexibility.

Tube: White NR

Reinforcement: High Tensile textile cords with embedded steel helix wire

Cover: Red SBR/EPDM Blend - Abrasion and ozone resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG402LH-025	25.0	37.0	150	75	0.90	20
AG402LH-038	38.0	50.0	150	114	1.22	20
AG402LH-050	51.0	63.0	150	153	1.58	20
AG402LH-075	76.0	88.0	150	228	2.48	20

760LA - BULK FOOD DELIVERY 5 BAR:



Bulk food and materials delivery, specially designed for grains, flours and plastic pellets transfer.

Tube: White NR - Abrasion resistant.

Reinforcement: High Tensile synthetic cords with antistatic wire

Cover: Black Conductive SBR/NR blend, abrasion and ozone resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG760LA-100	102.0	118.0	75	2.78	20

M1

MATERIAL HANDLING

760AA - BULK MATERIAL DELIVERY 5 BAR:



Bulk material delivery, specially designed for dry cement, grain and animal feed transfer.

Tube: Black Conductive NR - Abrasion resistant.

Reinforcement: High Tensile textile cords

Cover: Black Conductive SBR/NR blend, abrasion and ozone resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG760AA-075	75.0	93.0	75	2.38	20
AG760AA-100	102.0	120.0	75	3.19	20

MATERIAL HANDLING

776AA - MINERAL SAMPLING HOSE 35 BAR:



Mineral recovery in sampling operations.

Tube: Black conductive NR - Abrasion resistant

Reinforcement: High Tensile textile cords with embedded steel helix wire

Cover: Black conductive SBR/NR - abrasion and ozone resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG776AA-050	51.0	77.0	525	204	3.07	20
AG776AA-075	76.0	106.0	525	304	5.00	20, 61
AG776AA-100	102.0	134.0	525	408	7.29	20

753AA - SANDBLAST 10 & 20 BAR:



Sandblast, designed for long service life in heavy duty applications.

Tube: Black conductive NR

Reinforcement: High Tensile textile cords

Cover: Black conductive SBR/NR - Abrasion and ozone resistant. Pin Pricked

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG753AA-1327	13.0	27.0	150	0.51	20
AG753AA-2033	19.0	33.0	150	0.65	20
AG753AA-2040	19.0	40.0	150	1.04	20
AG753AA-2540	25.0	40.0	150	0.80	20
AG753AA-2548	25.0	48.0	300	1.41	20
AG753AA-3248	32.0	48.0	150	1.15	20
AG753AA-3255	32.0	55.0	300	1.69	20
AG753AA-3855	38.0	55.0	150	1.51	20
AG753AA-3864	38.0	64.0	300	2.33	20
AG753AA-5176	51.0	76.0	300	2.68	20

706AA - MUFF COUPLING HOSE 10 BAR:



Bulk material and abrasives slurries suction and delivery. Designed for Muff coupling use.

Tube: Black conductive NR - Abrasion resistant

Reinforcement: High Tensile textile cords with embedded steel helix wire

Cover: Black conductive SBR/NR - Abrasion and ozone resistant.

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG706AA-075	76.0	102.0	150	304	4.77	20
AG706AA-100	102.0	128.0	150	408	6.31	20
AG706AA-150	152.0	184.0	150	760	11.42	20
AG706AA-200	203.0	235.0	150	1015	15.48	6.1, 10
AG706AA-250	254.0	286.0	150	1270	21.60	6.1, 10
AG706AA-300	300.0	344.0	150	1500	34.49	6.1, 10

MATERIAL HANDLING

737AA - CONCRETE PUMPING 40 BAR:



Concrete Pumping

Tube: Black conductive NR - abrasion resistant

Reinforcement: High Tensile textile cords

Cover: Black conductive SBR/NR - Abrasion and ozone resistant.

Temperature: -30°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
AG737AA-050	51.0	69.0	600	1.85	20
AG737AA-075	76.0	104.0	600	4.41	20
AG737AA-090	90.0	118.0	600	5.17	20
AG737AA-100	102.0	130.0	600	5.85	20

NOTE: Concrete Hose assemblies also available, please contact sales staff.

740AA - CONCRETE PUMPING 85 BAR:



High pressure concrete pumping

Tube: Black conductive NR - abrasion resistant

Reinforcement: High Tensile steel cords

Cover: Black conductive SBR/NR - Abrasion and ozone resistant.

Temperature: -30°C to 80°C

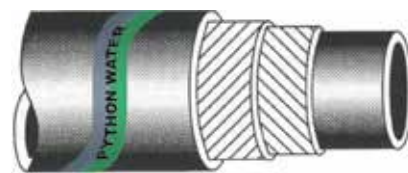
Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
AG740AA-050	51.0	69.0	1275	255	2.16	20, 61
AG740AA-063	63.0	85.0	1275	265	3.38	20, 61
AG740AA-075	76.0	100.0	1275	380	4.59	20
AG740AA-090	90.0	116.0	1275	450	5.93	20, 30.5
AG740AA-100	102.0	128.0	1275	510	7.51	20, 30.5
AG740AA-125	127.0	155.0	1275	635	10.94	30.5

NOTE: Concrete Hose assemblies also available, please contact sales staff.

M1



DELIVERY



AIR



WATER



SUCTION



OIL



FUEL



MATERIAL HANDLING



M2

REPTILIAN RUBBER HOSE

- 158... PYTHON 10 BAR AIR/WATER DELIVERY**
- 158... ANACONDA 20BAR AIR/WATER DELIVERY**
- 158... HOT AIR BLOWER**
- 159... DUGITE 10 BAR AIR/WATER SUCTION & DELIVERY**
- 159... DUGITE 20 BAR AIR/WATER SUCTION & DELIVERY**
- 159... TROUSER WATER SUCTION & DELIVERY**
- 160... COPPERHEAD OIL DELIVERY**
- 160... TAIPAN 10 BAR OIL SUCTION & DELIVERY**
- 161... SIDEWINDER SAND & SHOT**
- 161... MULGA MUFF COUPLING HOSE**
- 161... GWADER BULK MATERIAL DELIVERY HOSE**

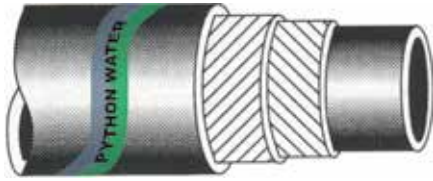


M2

All dimensions and weights are nominal and subject to change without notice.

AIR / WATER

PYTHON 10 BAR AIR/WATER DELIVERY:



10 Bar General purpose Air /Water and Light Slurry Delivery Hose

Tube: S.A.R Rubber

Reinforcement: High tensile textile cords

Cover: EPDM blend

Temperature: -20°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
M04-025	25.0	35.0	150	0.88	20, 60
M04-032	32.0	42.0	150	0.99	20, 60
M04-038	38.0	48.0	150	1.16	20, 60
M04-050	50.0	61.0	150	1.46	20, 60
M04-063	63.0	76.0	150	1.80	20, 60
M04-075	76.0	88.0	150	2.34	20, 60
M04-090	90.0	102.0	150	2.60	20, 60
M04-100	102.0	114.0	150	2.74	20, 60
M04-114	114.0	127.0	150	3.45	20
M04-150	152.0	166.0	150	4.16	30

ANACONDA 20 BAR AIR/WATER DELIVERY:



20 Bar Air/Water Delivery Hose

Tube: SBR Blend, Oil mist resistant

Reinforcement: High tensile textile cords

Cover: EPDM blend

Temperature: -20°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
M22-012	13.0	23.0	300	0.48	20
M22-020	19.0	29.0	300	0.61	20
M22-025	25.0	37.0	300	0.90	20, 60
M22-032	32.0	44.0	300	1.14	20
M22-038	38.0	50.0	300	1.41	20, 60
M22-050	51.0	67.0	300	2.04	20, 60
M22-063	64.0	79.0	300	3.08	20, 60
M22-075	76.0	93.0	300	3.60	20, 60
M22-100	102.0	121.0	300	5.72	20, 60

M2

HOT AIR BLOWER:



Designed for conveying hot air from compressors to tanks during the transfer of dry bulk materials.

Tube: Blended EPDM rubber, heat resistant.

Cover: Black corrugated EPDM rubber

Reinforcing: Plies of synthetic cord, steel wire helix.

Temperature: -20 to +150 degrees Celsius.

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M11-075	76.2	94.0	150	416	3.75	20

AIR/WATER

DUGITE 10 BAR AIR/WATER SUCTION & DELIVERY:



10 Bar Water Suction and delivery hose. Also suitable for light slurry and airseeder applications.

Tube: S.A.R Rubber

Reinforcement: High tensile textile cords incorporating a wire helix

Cover: EPDM blend

Temperature: -20°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M44-025	25.0	35.0	150	200	0.75	20, 60
M44-032	32.0	42.0	150	256	1.05	20, 60
M44-038	38.0	48.0	150	304	1.08	20, 60
M44-044	44.0	56.0	150	352	1.50	20, 60
M44-050	51.0	62.0	150	400	1.72	20, 60
M44-063	63.0	76.0	150	504	2.56	20, 60
M44-075	76.0	89.0	150	608	3.26	20, 60
M44-100	102.0	118.0	150	816	4.33	20, 60
M44-125	127.0	143.0	150	1016	6.49	20
M44-150	152.0	171.0	150	1216	11.85	30

DUGITE 20 BAR AIR/WATER SUCTION & DELIVERY:



20 Bar Water suction and delivery hose. Also suitable for Light Slurry applications.

Tube: SBR Blended

Reinforcement: High tensile textile cords incorporating a wire helix

Cover: EPDM

Temperature: -20°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M34-100	102.0	122.0	300	816	5.28	20, 60
M34-150	152.0	177.0	300	1216	9.21	30
M34-200	203.0	228.0	220	1624	13.92	30

TROUSER WATER SUCTION & DELIVERY:



10 bar Water Suction and delivery hose with a corrugated outer cover. Also suitable for light material handling and airseeder applications. Excellent abrasive resistance and flexibility.

Tube: S.A.R Rubber Blend.

Reinforcement: High tensile synthetic cord incorporating a wire helix

Cover: EPDM blend - Corrugated.

Temperature: -20°C to 80°C

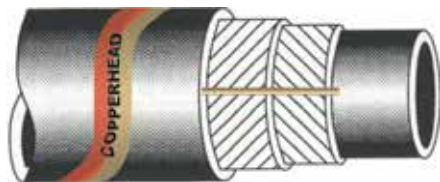
Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M45-050	52.0	63.0	150	416	1.90	40
M45-075	76.0	90.0	150	616	3.42	40
M45-100	102.0	118.0	150	816	5.58	40
M45-125	127.0	147.0	150	1016	7.88	30
M45-150	152.0	171.0	150	1216	9.22	30
M45-200	203.0	223.0	150	1624	13.38	10
M45-250	254.0	275.0	150	2032	17.60	10
M45-300	304.0	328.0	150	2432	22.78	10

M2



PETROL & OIL

COPPERHEAD OIL DELIVERY:



10 bar Petrol/ Oil Delivery Hose, suitable for up to 50% aromatic content.

Tube: Nitrile Rubber

Reinforcement: High tensile textile cords incorporating anti-static wire.

Cover: Oil resistant nitrile

Temperature: -20°C to 70°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
M27-020	19.0	29.0	150	0.56	60
M27-025	25.0	34.0	150	0.71	20, 60
M27-032	32.0	42.0	150	0.99	20, 60
M27-038	38.0	47.0	150	1.02	20, 60
M27-044	44.0	54.0	150	1.15	20, 60
M27-050	51.0	61.0	150	1.31	20, 60
M27-057	57.0	68.0	150	1.61	20, 60
M27-063	63.0	74.0	150	1.77	20, 60
M27-075	76.0	88.0	150	2.30	20, 60
M27-090	90.0	104.0	150	3.18	20, 60
M27-100	102.0	114.0	150	5.00	20, 60

TAIPAN OIL SUCTION & DELIVERY:

M2



10 BAR Petrol/Oil Suction and delivery Hose.

Tube: Nitrile Rubber

Reinforcement: High tensile textilecords incorporating a wire helix

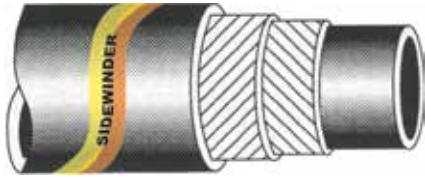
Cover: Oil resistant nitrile

Temperature: -20°C to 70°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M28-020	19.0	28.0	150	160	0.61	20, 60
M28-025	25.0	35.0	150	200	0.85	20, 60
M28-032	32.0	42.0	150	256	1.05	20, 60
M28-038	38.0	48.0	150	304	1.22	20, 60
M28-044	44.0	56.0	150	352	1.65	20, 60
M28-050	50.0	63.0	150	400	2.08	20, 60
M28-057	57.0	70.0	150	456	2.34	20, 60
M28-063	63.0	77.0	150	504	2.54	20, 60
M28-075	76.0	89.0	150	608	2.78	20, 60
M28-090	90.0	105.0	150	720	4.15	20, 60
M28-100	102.0	118.0	150	816	5.00	20, 60

MATERIAL HANDLING HOSE

SIDEWINDER SAND & SHOT:



10 Bar Sand Shot Blasting hose.

Tube: NR/BR Blended Rubber

Reinforcement: High tensile textile cords

Cover: Synthetic blended rubber

Temperature: -20°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
M21-2034	19.0	34.0	150	0.90	20
M21-2040	19.0	40.0	150	1.06	20
M21-2540	25.0	40.0	150	0.93	20
M21-2548	25.0	48.0	150	1.69	20
M21-3248	32.0	48.0	150	1.29	20
M21-3254	32.0	54.0	150	1.22	20
M21-3860	38.0	60.0	150	2.17	20

MULGA MUFF COUPLING HOSE:



Heavy duty hose specifically designed for the transfer of bulk and abrasives materials.

Tube: SBR Rubber

Reinforcement: High tensile textile cords incorporating steel wire helix.

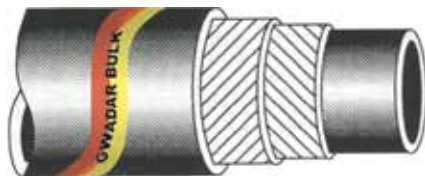
Cover: SBR Rubber

Temperature: -20°C to 80°C

Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M35-075	76.2	103.0	150	915	4.85	20, 60
M35-100	100.0	128.5	150	1224	8.67	20, 60
M35-125	127.0	156.6	150	1524	11.91	20
M35-150	152.0	182.0	150	1824	14.22	20, 30
M35-200	203.0	234.0	100	2436	19.22	12
M35-250	254.0	287.0	75	3048	25.33	12
M35-300	304.0	344.0	75	3648	36.78	12

M2

GWADAR BULK MATERIAL DELIVERY:



Bulk Material handling and abrasives delivery Hose

Tube: S.A.R Rubber

Reinforcement: High tensile textile cords incorporating steel wire helix.

Cover: S.A.R. Rubber

Temperature: -20°C to 80°C

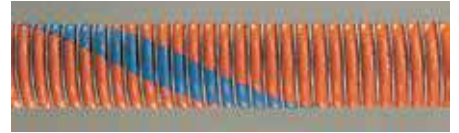
Product Code:	I.D (mm)	O.D (mm)	W.P (Psi)	Bend Radius (mm)	Weight (Kg/m)	Coil Lengths (mt)
M37-075	76.0	92.0	100	912	3.60	20, 60
M37-100	102.0	118.0	100	1224	4.70	20, 60
M37-125	127.0	146.0	100	1524	5.14	20, 40
M37-150	152.0	172.0	100	1824	6.52	20, 30

AVIATION

PETROL

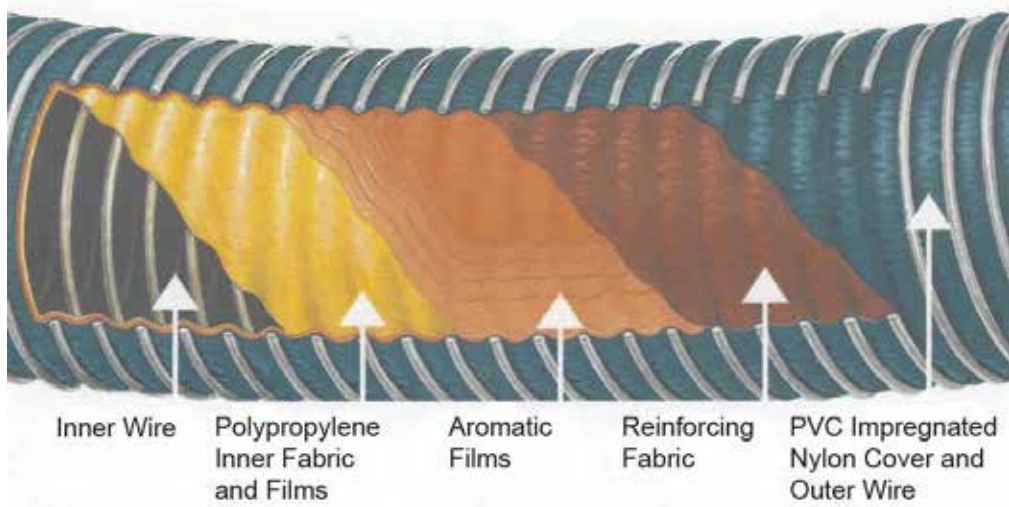


TESTED &
CERTIFIED



CHEMICAL

BITUMEN



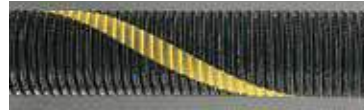
N1

COMPOSITE HOSE

164... PETROL MASTER RANGE



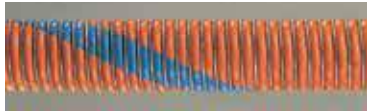
165... PETROL MASTER RANGE



166... CHEMIFLOW RANGE



167... CHEMIFLOW RANGE



168... CHEMIFLOW RANGE



N1

All dimensions and weights are nominal and subject to change.

PETROLMASTER RANGE

The Petrolmaster range is designed specifically for the demands of the petro-chemical industry. The polypropylene film and fabric construction handle hydrocarbon based products. The internal and external wire helixes deliver the pressure handling characteristics and a tough PVC coated fabric forms the outer cover. Temperature Rating : -20 C to +80 C

PETROLMASTER STANDARD

CODE 1000 - Green with Yellow Stripe



Light weight, flexible hose designed for suction and delivery of petroleum based products.
Internal wire - Galvanised steel
External Wire - Galvanised steel

Complies with AS 2683

Product Code	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M01-025	25.0	32.0	0.7	60	0.8	18.3
M01-032	32.0	38.0	0.7	75	1.0	18.3
M01-038	40.0	48.0	0.7	75	1.3	18.3
M01-050	50.0	63.0	0.6	90	1.6	18.3
M01-063	63.0	75.0	0.5	100	2.4	18.3
M01-075	75.0	90.0	0.5	125	2.8	18.3
M01-100	100.0	112.0	0.4	200	4.1	18.3

PETROLMASTER HEAVY DUTY

CODE 901 - Black



Used for ship to shore and general purpose heavy duty applications conveying petroleum products.
Internal wire - Galvanised steel
External Wire - Galvanised steel

Complies with AS 2117.

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M02-025	25.0	35	1.4	100	0.9	18.3
M02-032	32.0	42	1.4	125	1.3	18.3
M02-038	40.0	50	1.4	140	1.5	18.3
M02-050	50.0	65	1.2	170	1.9	18.3
M02-063	63.0	76	1.0	200	3.0	18.3
M02-075	75.0	90	1.0	270	3.4	18.3
M02-100	100.0	120	1.0	340	6.5	18.3
M02-150	150.0	180	1.0	700	12.4	To order

PETROLMASTER LIGHT WEIGHT CODE 1003 - Yellow with green stripe



Super light weight hose for suction and delivery of petroleum based products where ease of handling is paramount.

Internal wire - Aluminium

External Wire - Galvanised steel

Complies with AS 2683.

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M10-050	50.0	63.0	0.6	90	1.25	18.3
M10-063	63.0	75.0	0.5	100	1.75	18.3
M10-075	75.0	90.0	0.5	125	2.0	18.3
M10-100	100.0	112.0	0.4	200	2.5	18.3

VAPOUR RECOVERY HOSE - Black with yellow stripe



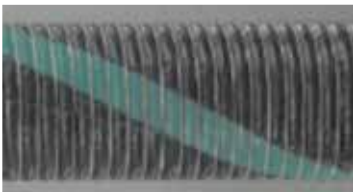
For collection or transfer of hydrocarbon vapours within the oil industry..

Internal wire - Galvanised Steel

External Wire - Galvanised Steel

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M09-100	100.0	112.0	0.4	200	4.1	18.3

AVIATION HOSE - Black with Green stripe



Specially designed for the suction and delivery of aviation fuel.

Internal wire - Stainless Steel

External Wire - Stainless Steel

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M12-050	50.0	63.0	0.6	90	1.6	18.3
M12-075	75.0	90.0	0.5	125	2.8	18.3
M12-100	100.0	112.0	0.4	200	4.1	18.3

CHEMIFLOW RANGE

The Chemiflow range is suitable for the suction and delivery of a wide range of chemicals. Constructed of polypropylene films and fabrics the hoses are resistant to most acids, alkalis and solvents. Internal and external helix wires bind the hose together and deliver its pressure handling characteristics and a tough PVC coated fabric cover forms the outer cover.

Temperature Rating: -20 C to +100 C

CHEMIFLOW STANDARD

CODE 951 - Grey with red stripe



Internal wire - Polypropylene coated galvanised steel.

External Wire - Galvanised steel

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M03-025	25.0	38.0	1.4	100	0.9	18.3
M03-032	32.0	45.0	1.4	125	1.3	18.3
M03-038	38.0	50.0	1.4	140	1.5	18.3
M03-050	50.0	65.0	1.2	170	1.8	18.3
M03-063	63.0	78.0	1.0	200	2.7	18.3
M03-075	75.0	92.0	1.0	270	3.3	18.3
M03-100	100.0	120.0	1.0	340	6.3	18.3

CHEMIFLOW SSW

CODE 952 - Grey with red stripe



Internal wire - Polypropylene coated galvanised steel.

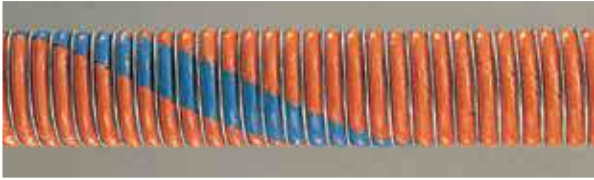
External Wire - Stainless steel

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M05-025	25.0	38.0	1.4	100	0.9	18.3
M05-032	32.0	45.0	1.4	125	1.3	18.3
M05-038	38.0	50.0	1.4	140	1.5	18.3
M05-050	50.0	65.0	1.2	170	1.8	18.3
M05-063	63.0	78.0	1.0	200	2.7	18.3
M05-075	75.0	92.0	1.0	270	3.3	18.3
M05-100	100.0	120.0	1.0	340	6.3	18.3

CHEMIFLOW RANGE

CHEMIFLOW CS

CODE 969 - Orange with blue stripe



Internal wire - Stainless steel.
External Wire - Galvanised steel

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M06-025	25.0	38.0	1.4	100	0.9	18.3
M06-032	32.0	45.0	1.4	125	1.3	18.3
M06-038	38.0	50.0	1.4	140	1.5	18.3
M06-050	50.0	65.0	1.2	170	1.9	18.3
M06-063	63.0	78.0	1.0	200	3.0	18.3
M06-075	75.0	92.0	1.0	270	3.4	18.3
M06-100	100.0	120.0	1.0	340	6.5	18.3
M06-150	150.0	180.0	1.0	700	12.4	To Order

CHEMIFLOW ASS

- Grey with red stripe



Internal wire - Stainless steel.
External Wire - Stainless steel

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M07-025	25.0	38.0	1.4	100	0.9	18.3
M07-038	38.0	50.0	1.4	140	1.5	18.3
M07-050	50.0	65.0	1.2	170	1.8	18.3
M07-063	63.0	78.0	1.0	200	2.7	18.3
M07-075	75.0	92.0	1.0	270	3.3	18.3
M07-100	100.0	120.0	1.0	340	6.3	18.3

N1

CHEMIFLOW RANGE

Hot Bitumen Hose Code 966 - White



Made from polyester film and fabric designed for high temperature operation, this hose is ideal for the transfer of hot bitumen via gravity, suction or pressure. It is ideally suited for road tanker loading and discharge, in plant transfer, spraying and spray bar applications. The hose is also suitable for high aromatic content fuels.

Temperature: -20 C to +180 C
Internal wire - Galvanised Steel
External Wire - Galvanised steel

Note:

- This hose is not recommended for use close to direct external radiant heat as the cover is not flame retardent.
- Hoses should be flushed with diesel or kersone after use. Cleaning with steam or direct external heat is not recommended.

Product Code:	I.D. (mm)	O.D. (mm)	W.P. (mpa) @ 20 C	Bend Radius (mm)	Weight (Kg/mt)	Max Coil Lengths (mt)
M08-020	19.0	28.0	0.7	125	0.8	18.3
M08-025	25.0	35.0	0.7	125	0.9	18.3
M08-032	32.0	43.0	0.7	130	1.0	18.3
M08-038	38.0	50.0	0.7	150	1.5	18.3
M08-050	50.0	68.0	0.6	200	2.0	18.3
M08-063	63.0	78.0	0.5	250	2.8	18.3
M08-075	75.0	90.0	0.5	280	3.5	18.3

N1

Note for all composite hose types

- All hoses can be ropped lagged. It is necessary to specify this at time of ordering.
- Composite hoses are not suitable for certain substances. Please check with chemical compatibility at time of ordering.
- Due to the nature of the construction of composite hose and the often hazardous conveyants used, it is strongly recommended that all hoses and fittings be supplied to the user as fitted assemblies.
- A wide range of fittings can be supplied such as camlocks, BSP fittings, flanges etc. Other special couplings for unusual applications can also be supplied.
- All hoses have a 4:1 safety factor.

AIR / WATER



AVIATION
FUEL



MARINE
FUEL



N2

FOOD



HOT
TAR



PRESSURE &
SUCTION

GOODYEAR WRAPPED RUBBER HOSE

172...	HEAVY DUTY AIR/WATER MINING HOSE PLICORD BLUE AIR PLICORD STEEL AIR	
173...	WATER DISCHARGE (4PLY) SUCTION DISCHARGE	
174...	FUEL DISCHARGE FUEL SUCTION AVIATION FUEL	
175...	EXTREMEFLEX FUEL MARINE FILL USCG APPROVED MARINE FUEL LINE USCG APPROVED	
176...	RADIATOR HOT TAR & ASPHALT HOT TAR WAND	
177...	PLICORD BLUE FLEXWING CHEM ONE EXTREMEFLEX BROWN	
178...	VINTNER WHITE FLEXWING EXTREMEFLEX FOOD	
179...	PLICORD MUFF COUPLING SOFTWALL CEMENT	
180...	RVC DRILL ALLCRETE TEXTILE	

N2

All dimensions and weights are nominal and subject to change without notice.

AIR

HEAVY DUTY AIR/WATER MINING HOSE:



Application: A versatile heavy duty air/water hose for use in mining, construction, quarries and other industrial application.

Tube: Black synthetic rubber.
Reinforcement: 2 spiral piles of synthetic fibre.
Cover: Black synthetic rubber.
Temperature: -32°C to 88°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H60-012	12.0	22.2	300	0.33	20
H60-020	19.0	30.7	300	0.60	20
H60-025	25.0	37.8	300	0.81	20
H60-032	32.0	43.8	300	0.92	20
H60-038	38.0	50.8	300	1.19	20
H60-050	51.0	65.4	300	1.38	20
H60-063	63.5	76.1	300	1.73	20
H60-075	76.0	90.2	300	2.34	20
H60-100	102.0	116.1	300	3.09	20

PLICORD BLUE AIR:



Application: A versatile hose, heavy duty air hose for use in rough industrial applications as well as severe service in mines and other industries. Non-conductive, minimum electrical resistance greater than 1 mega ohm per inch of length at 1,000 volts DC.

Tube: Black plioflex (EPDM) RMA Class C oil resist.
Reinforcement: Spiral piled synthetic rubber.
Cover: Blue Plioflex (EPDM) RMA Class C oil resist.
Temperature: -32°C to 100°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H61-020	19.0	31.4	400	0.67	30.5
H61-025	25.0	38.1	400	0.86	30.5
H61-032	32.0	45.6	400	1.10	30.5
H61-038	38.0	51.9	400	1.28	30.5
H61-050	51.0	64.7	400	1.65	30.5
H61-063	63.5	80.2	400	2.45	30.5
H61-075	76.0	94.1	400	3.20	30.5
H61-090	88.0	106.9	400	3.95	30.5
H61-100	102.0	120.8	400	4.61	30.5

PLICORD STEEL AIR:



Application: A high pressure air hose designed for heavy-duty service in construction, mines, quarries and the industry.

Tube: Black SBR/nitrile, RMA Class B.
Reinforcement: Spiral piled steel wire.
Cover: Yellow Plioflex synthetic rubber
Temperature: -32oC to 82oC

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H62-020	19.0	32.9	750	0.88	30.5
H62-025	25.0	41.7	750	1.28	30.5
H62-038	38.0	54.4	500	1.93	30.5
H62-050	51.0	67.6	500	2.45	30.5
H62-075	76.0	96.8	500	4.57	30.5

N2

WATER

WATER DISCHARGE (4PLY):



Application: A heavy duty, all-purpose hose with excellent abrasion resistance. It is ideal for service in quarries, mines & construction.

Tube: Black piloflex synthetic rubber.

Reinforcement: Spiral-piles (4) of synthetic fabric.

Cover: Black piloflex synthetic rubber.

Temperature: -32°C to 82°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H65-020	19.0	30.3	200	0.55	30.5
H65-025	25.0	38.9	200	0.89	30.5
H65-032	32.0	45.6	200	1.07	30.5
H65-038	38.0	50.8	200	1.18	30.5
H65-050	51.0	63.5	200	1.44	30.5
H65-063	63.5	77.7	200	2.02	30.5
H65-075	76.0	90.2	200	2.38	30.5
H65-100	102.0	116.3	150	3.13	30.5
H65-125	127.0	141.5	150	3.85	30.5
H65-150	152.0	165.9	150	4.67	30.5

SUCTION DISCHARGE:



Application: A general purpose suction and discharge hose for use in medium to heavy-duty applications.

Tube: Black piloflex synthetic rubber.

Reinforcement: Synthetic fabric piles with internal wire helix

Cover: Black piloflex synthetic rubber.

Temperature: -32°C to 82°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H66-020	19.0	28.7	150	51	0.49	30.5
H66-025	25.0	36.6	150	51	0.80	30.5
H66-032	32.0	43.5	150	102	1.04	30.5
H66-038	38.0	50.6	150	102	1.34	30.5
H66-044	45.0	56.4	150	152	1.49	30.5
H66-050	51.0	62.9	150	152	1.64	30.5
H66-063	63.5	77.0	150	152	1.65	30.5
H66-075	76.0	90.6	150	203	2.96	30.5
H66-100	102.0	117.5	150	254	3.88	30.5
H66-114	114.0	130.0	150	356	4.68	30.5
H66-125	127.0	147.9	150	356	7.00	30.5
H66-150	152.0	175.0	100	914	9.21	30.5
H66-200	204.0	227.1	100	1219	13.58	6.1

PETROL & OIL

FUEL DISCHARGE:



Application: For use in the discharge of gasoline, oil and other petroleum-based products in tank truck and industrial applications.

Tube: Chemigum synthetic rubber (oil resist) plus anti-static wires.

Reinforcement: Synthetic fabric piles (2)

Cover: Black Chemivic synthetic rubber (oil resist).

Temperature: -37°C to 82°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H67-020	19.0	30.7	150	0.63	30.5
H67-025	25.0	37.1	150	0.77	30.5
H67-032	32.0	43.7	150	0.94	30.5
H67-038	38.0	49.5	150	1.09	30.5
H67-044	45.0	56.4	150	1.24	30.5
H67-050	51.0	63.3	150	1.46	30.5
H67-063	63.5	75.7	150	1.77	30.5
H67-075	76.0	88.9	150	2.16	30.5
H67-100	102.0	114.8	150	2.84	30.5

FUEL SUCTION:



Application: For use in tank and in-plant operations to transfer gasoline, oil and other petroleum-based products up to 50% aromatic content. Hose is designed for pressure, gravity flow or full suction service.

Tube: Chemigum synthetic rubber (oil resist) plus anti-static wires.

Reinforcement: Synthetic fabric piles (2), wire helix

Cover: Black Chemivic synthetic rubber (oil resist).

Temperature: -37°C to 93°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H68-020	19.0	31.0	150	51	0.70	30.5
H68-025	25.0	38.1	150	51	0.94	30.5
H68-032	32.0	44.7	150	76	1.18	30.5
H68-038	38.0	51.6	150	102	1.47	30.5
H68-044	45.0	57.9	150	102	1.59	30.5
H68-050	51.0	64.8	150	114	1.93	30.5
H68-063	63.5	78.0	150	146	2.47	30.5
H68-075	76.0	90.7	150	178	3.02	30.5
H68-100	102.0	116.8	150	254	3.99	30.5

AVIATION FUEL:



Application: For use in the fuelling and defuelling of commercial and private aircraft. Resistant to jet fuel and higher aromatic aviation gasoline's. Meets both API 1529 5th edition, 1998 and ES BS EN 1361; 1997.

Tube: Black chemigum synthetic rubber.

Reinforcement: Spiral Piled (4) synthetic fabric and one nylon breaker.

Cover: Black wingprene (ORS) static dissipating/static conductive.

Temperature: -37°C to 93°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H69-025	25.0	40.0	300	0.85	30.5
H69-032	32.0	48.0	300	1.11	30.5
H69-038	38.0	52.3	300	1.28	30.5
H69-050	51.0	65.3	300	1.70	30.5
H69-063	63.5	80.3	300	2.28	30.5
H69-075	76.0	92.5	300	2.66	30.5

PETROL & OIL

EXTREMEFLEX FUEL:



Application: An extremely flexible and lightweight drop hose for use in plant operation to transfer diesel, ethonal, gasoline, oil and petroleum products up to 60% aromatic content.

Tube: Black Nitrile synthetic rubber.

Reinforcement: Spiral Piled synthetic fabric with wire helix.

Cover: Chemivic synthetic rubber Corrugated

Temperature: -40°C to 93°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H70-020	19.0	30.5	250	19	0.65	30.5
H70-025	25.0	36.8	250	25	0.81	30.5
H70-038	38.0	48.5	250	38	1.08	30.5
H70-050	51.0	61.8	250	51	1.43	30.5
H70-063	63.5	76.1	200	64	2.10	30.5
H70-075	76.0	88.8	200	76	2.51	30.5
H70-100	102.0	115.7	150	102	3.61	30.5

MARINE FILL US COAST GUARD APPROVED:



Application: SAE J1527 Type A2, ISO 7840 and CE Fuel fill hose is for marine gasoline tanks. It is the connection from the boat's fuel fill port to fuel tank.

Tube: Chemigum synthetic rubber.

Reinforcement: Spiral Piled synthetic fabric with wire helix.

Cover: Chemivic synthetic rubber.

Temperature: -29°C to 82°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H71-020	19.0	29.4	100	737	0.51	30.5
H71-025	25.0	38.1	100	737	0.64	30.5
H71-032	32.0	43.2	100	737	0.97	30.5
H71-038	38.0	47.10	100	737	1.05	30.5
H71-050	51.0	61.5	50	737	1.52	30.5

N2

MARINE FUEL LINE US COAST GUARD APPROVED:



Application: USCG/SAE J1527 Type A1 and ISO 7840-A1 Fuel Feed/Vent hose for marine gas tanks. For fuel feed and vent application of marine craft.

Tube: Chemigum synthetic rubber.

Reinforcement: Spiral synthetic yarn.

Cover: Chemivic synthetic rubber

Temperature: -17°C to 46°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H72-006	6.0	16.5	49	0.25	61.0
H72-008	8.0	18.0	49	0.28	61.0
H72-010	10.0	19.8	49	0.30	61.0
H72-012	12.5	23.0	36	0.39	152.4
H72-016	16.0	25.8	36	0.51	61.0

HOT

RADIATOR:



Application: A heavy duty straight radiator hose designed to resist vibration and collapse. Highly resistant to heat, oil, grease, ozone and all antifreeze solutions. Meets or exceeds requirements of SAEJ20R1, Class D1.

Tube: Black Versigard, oil, heat & ozone resistant.

Reinforcement: 2 piles of synthetic fabric.

Cover: Black Versigard, oil, heat & ozone resistant.

Temperature: Designed for high temperatures experienced in truck and bus engine compartments.

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mm)
H73-012	12.0	22.1	150	0.95	914.4
H73-020	19.0	28.1	150	1.26	914.4
H73-022	22.0	31.5	150	1.40	914.4
H73-025	25.0	34.5	150	1.58	914.4
H73-028	29.0	38.1	150	1.76	914.4
H73-032	32.0	41.1	150	1.94	914.4
H73-033	33.0	42.7	150	2.03	914.4
H73-035	35.0	44.2	150	2.07	914.4
H73-038	38.0	47.2	150	2.25	914.4
H73-041	41.0	50.8	150	2.43	914.4
H73-044	44.0	54.4	150	2.61	914.4
H73-047	48.0	57.1	100	2.79	914.4
H73-050	51.0	60.5	100	2.93	914.4
H73-053	54.0	63.7	100	3.11	914.4
H73-056	57.0	66.6	100	3.29	914.4
H73-060	60.0	70.1	100	3.47	914.4
H73-063	63.5	72.9	100	3.60	914.4
H73-066	66.0	76.2	100	3.78	914.4
H73-070	70.0	79.5	100	3.96	914.4
H73-072	72.0	82.5	100	4.10	914.4
H73-075	76.0	85.3	100	4.28	914.4

HOT TAR & ASPHALT:



N2

Application: Hose for transfer of high-temperature petroleum-based materials such as tar, asphalt and hot oils. It is suitable for suction and discharge service.

Tube: Black Chemigum synthetic rubber.

Reinforcement: Spiral piled Flexten cover with wire helix.

Cover: Black Wingprene synthetic rubber

Temperature: -32°C to 177°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H78-038	38.0	52.8	150	102	1.55	30.5
H78-050	51.0	66.0	150	127	1.98	30.5
H78-075	76.0	92.8	150	178	3.32	30.5

HOT TAR WAND:



Application: This hose is a high-quality wand hose used in asphalt crack filling applicator and dispensing service.

Tube: Black Chemigum synthetic rubber.

Reinforcement: Spiral piled (2) steel wire.

Cover: Black Wingprene synthetic rubber flame-retardant

Temperature: -32°C to 177°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H79-020	19.0	33.8	300	0.95	30.5
H79-025	25.0	40.9	300	1.25	30.5

CHEMICAL

PLICORD BLUE FLEXWING:



Application: This hose handles majority of today's industrial chemicals in pressure, gravity flow, or suction service.

Tube: Clear Speclar (XPLE) synthetic rubber.

Reinforcement: Sprial-piled synthetic fabric with double wire helix.

Cover: Blue versigard (EPDM) synthetic rubber with spiral white stripe.

Temperature: -32°C to 66°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H80-025	25.0	37.3	200	203	0.82	30.5
H80-032	32.0	44.5	200	229	1.04	30.5
H80-038	38.0	51.8	200	254	1.41	30.5, 122
H80-050	51.0	65.5	200	305	1.82	30.5, 122
H80-063	63.5	79.5	200	381	2.46	30.5, 122
H80-075	76.0	94.0	200	457	3.33	30.5
H80-100	102.0	120.1	200	610	4.48	30.5

CHEM ONE:



Application: For use in pressure, gravity flow and/or suction service.

Tube: Alphasyn, modified cross linked polyethylene.

Reinforcement: Sprial-piled synthetic fabric with double wire helix.

Cover: Black corrugated abrasion resistant Omegasyn EPDM.

Temperature: -40°C to 121°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H81-020	19.0	30.5	200	50	0.58	30.5
H81-025	25.0	36.8	200	76	0.73	30.5
H81-032	32.0	42.2	200	76	0.78	30.5
H81-038	38.0	48.3	200	101	0.93	30.5
H81-050	51.0	61.8	200	127	1.28	30.5
H81-063	63.5	75.6	200	152	1.84	30.5
H81-075	76.0	88.1	200	203	2.17	30.5
H81-100	102.0	115.0	200	279	3.06	30.5

EXTREMEFLEX BROWN:



Application: A high-tech, flexible and versatile chemical hose cable of handling a wide variety of acids, alcohols, salt solutions and petroleum based products.

Tube: Black Chemrin synthetic rubber.

Reinforcement: Sprial-piled synthetic fabric with double wire helix.

Cover: Corrugated Brown EPDM synthetic rubber

Temperature: -34°C to 135°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H82-025	25.0	36.0	150	38.1	0.75	30.5
H82-032	32.0	41.5	150	50.8	0.85	30.5
H82-038	38.0	48.7	150	57.2	1.10	30.5
H82-050	51.0	61.9	150	76.0	1.45	30.5
H82-075	76.0	89.8	150	114.0	2.68	30.5
H82-100	102.0	116.1	150	152.0	3.68	30.5

FOOD

VINTNER:



Application: This hose is for handling in-plant and/or tank truck transfer of wine, beer, potable water, and other non-oily, liquid food stuffs.

Tube: White Chlorobutyl (FDA/USDA compliance and conforms to 3-A sanitary standard 18-03)

Reinforcement: Spiral-piled synthetic fabric with polyester monofilament helix.

Cover: Grey versigard synthetic rubber

Temperature: -34°C to 104°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H83-025	25.0	41.1	250	76	1.06	30.5
H83-038	38.0	53.6	250	102	1.46	30.5
H83-050	51.0	68.1	250	178	2.05	30.5
H83-063	63.5	81.5	250	254	2.15	30.5
H83-075	76.0	97.8	250	305	3.86	30.5

WHITE FLEXWING:



Application: This highly flexible hose is for gravity flow, pressure or suction service transfer of oily and non-oily edibles from tank truck and plant service.

Tube: White Chemivic (FDA/USDA compliance and conforms to 3-A sanitary standard 18-03)

Reinforcement: Spiral-piled synthetic fabric with wire helix.

Cover: White Chemivic synthetic rubber.

Temperature: -32°C to 121°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H84-020	19.0	30.5	150	51	0.70	30.5
H84-025	25.0	36.6	150	76	0.85	30.5
H84-032	32.0	43.2	150	102	1.03	30.5
H84-038	38.0	50.0	150	102	1.28	30.5
H84-050	51.0	64.3	150	114	1.83	30.5
H84-075	76.0	91.4	150	178	3.21	30.5
H84-100	102.0	117.9	150	254	4.54	30.5

N2

EXTREMEFLEX FOOD:



Application: An extremely flexible and lightweight hose for transfer of oil and non-oil edibles in gravity flow, pressure or suction service.

Tube: White Chemivic (FDA/USDA compliance and conforms to 3-A sanitary standard 18-03)

Reinforcement: Spiral-piled synthetic fabric with wire helix.

Cover: White or Grey Versigard corrugated synthetic rubber.

Temperature: -32°C to 100°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
H85-025	25.0	36.8	150	25	0.87	30.5
H85-032	32.0	42.2	150	32	0.93	30.5
H85-038	38.0	48.7	150	38	1.14	30.5
H85-050	51.0	62.0	150	51	1.48	30.5
H85-063	63.5	77.5	150	63	2.34	30.5
H85-075	76.0	89.9	150	76	3.27	30.5
H85-100	102.0	116.6	150	102	5.04	30.5

ABRASION

PLICORD MUFF COUPLING:



Application: An abrasive slurry hose to be used in conjunction with split muff couplings. The hose has the high strength needed to handle pressure or suction service in the transfer of dry bulk, slurry, salt, cement, fertilizers and a limited quantity of oil based products.

Tube: Tufsyn synthetic rubber (static dissipating/static conductive)

Reinforcement: High tensile synthetic fabric incorporating a double wire helix.

Cover: Black abrasion and ozone resistant synthetic rubber.

Temperature: -32°C to 82°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H87-075	76.0	107.6	100	6.06	cuts
H87-100	102.0	132.3	100	7.45	cuts
H87-125	127.0	158.0	100	9.75	cuts
H87-150	152.0	182.9	100	11.94	cuts
H87-200	204.0	237.7	100	18.17	cuts
H87-250	254.0	288.3	100	24.63	cuts

SOFTWALL CEMENT:



Application: Black softwall hose is for the discharge of dry bulk cement from tank truck and in-plant service.

Tube: Static dissipating/static conductive Black Tufsyn synthetic rubber.

Reinforcement: Spiral-piled synthetic fabric.

Cover: Black Piloflex synthetic rubber with white spiral stripe.

Temperature: -32°C to 82°C

Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H88-100	102.0	112.3	50	2.05	30.5
H88-125	127.0	138.2	50	2.71	30.5
H88-150	152.0	163.8	50	3.35	30.5

ABRASION

RVC DRILL:



Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H89-050	51.0	79.0	600	3.53	30.5
H89-075	76.0	105.9	600	5.04	30.5
H89-100	102.0	136.9	600	7.66	30.5

Application: For use on reverse drilling rigs.

Tube: Black Tufsyn synthetic rubber

Reinforcement: Spiral-piled synthetic fabric.

Cover: Blue Plioflex synthetic rubber with orange spiral transfer band.

Temperature: -29°C to 82°C

ALLCRETE TEXTILE:



Product Code:	I.D (mm)	O.D (mm)	W.P (P.S.I)	Weight (Kg/mt)	Coil Lengths (mt)
H90-038	38.0	58.7	1000	1.70	30.5
H90-050	51.0	71.8	1000	2.18	30.5
H90-063	63.5	86.1	1000	2.92	30.5
H90-075	76.0	99.6	800	3.56	30.5
H90-088	88.0	113.1	750	4.01	30.5
H90-100	102.0	125.4	700	4.67	30.5

Application: Goodyear's Allcrete textile hose is for use in plaster & grout and shotcrete applications, handling a multitude of materials being pumped to concrete structures, dams, tunnel faces, swimming pools, etc. For use as a flexible connection between pumping equipment and hard pumping.

Tube: Black Tufsyn synthetic rubber.

Reinforcement: Spiral-piled high-strength fabric.

Cover: Black Plioflex rubber

Temperature: -32°C to 82°C

N2

MULTI PURPOSE



AIR



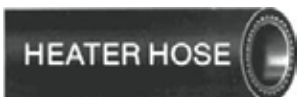
WATER



WELDING



FUEL



AUTOMOTIVE

GOODYEAR EXTRUDED RUBBER HOSE

**184... ORTAC
WINGFOOT**



**185... RED HORIZON
BLACK HORIZON
YELLOW HORIZON**



**186... GORILLA
FIRE ENGINE BOOSTER
NR SPRAY**



**187... SPECTRA
FORTRESS 300
NEPTUNE 3000**

**188... CAR HEATER HOSE (SAE30R3)
FUEL HOSE (SAEJ30R7)
AIR BRAKE (9003-SAEJ1402)**



**189... FLEXSTEEL
INSTAGRIP**



**190... BLUE OR RED WELDING HOSE
TWINLINE WELDING
TWINLINE WELDING FITTED
ASSEMBLIES**



All dimensions and weights are nominal and subject to change without notice.

GOODYEAR EXTRUDED: O-01

ORTAC:



Ortac is Goodyear's most popular premium quality multipurpose hose for industrial applications. It is found in demanding applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry, and shipbuilding. Non-conductive.

Tube: Chemigum® RMA Class A (High Oil Resistance)
Reinforcement: Spiral synthetic yarn.
Cover: Red Carbryn® RMA Class A (High Oil Resistance)

Temperature: -29°C to 100°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E50-005	4.8	11.8	300	0.10	152.4
E50-006	6.4	13.5	250	0.13	152.4
E50-008	7.9	17.5	250	0.21	152.4
E50-010	9.5	17.5	250	0.22	152.4
E50-012	12.7	21.3	250	0.30	152.4
E50-016	15.9	26.9	300	0.52	152.4
E50-020	19.1	29.0	250	0.51	152.4
E50-025	25.4	38.1	300	0.88	137.2
E50-032	31.8	45.2	250	1.04	122
E50-038	38.1	52.8	250	1.43	91.4
E50-050	50.8	63.5	200	1.61	61

WINGFOOT:



A good quality, economical, general purpose hose for industrial air service, compressor lines, pneumatic tools, low pressure spray, and many other applications where the need for oil resistance is moderate. Non conductive.

Tube: Chemigum®, RMA Class A (High Oil Resistance)
Reinforcement: Spiral synthetic yarn
Cover: Blue, Black or Red Chemivic®, RMA Class B (Medium-High Oil Resistance)

Temperature: -29°C to 100°C.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E51-006	6.4	13.5	200	0.15	152.4
E51-008	7.9	16.0	200	0.21	152.4
E51-010	9.5	17.5	200	0.22	152.4
E51-012	12.7	21.3	200	0.31	152.4
E51-016	15.9	25.4	200	0.40	152.4
E51-020	19.1	28.7	200	0.57	152.4
E51-025	25.4	38.1	300	0.92	137.2
E51-032	31.8	45.6	250	1.25	122
E51-038	38.1	53.2	250	1.55	91.4

RED HORIZON:



An economical air and water hose, Horizon is for a wide range of industrial, construction and agricultural applications.

Tube: Versigard® ; synthetic rubber RMA Class C (Limited Oil Resistance)

Reinforcement: Spiral synthetic yarn.

Cover: Red Versigard® synthetic rubber

Temperature: -40°C to 88°C.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E52-006	6.4	12.7	200	0.13	152.4
E52-008	7.9	14.7	200	0.18	152.4
E52-010	9.5	17.0	200	0.22	152.4
E52-012	12.7	20.6	200	0.30	152.4
E52-016	15.9	24.6	200	0.40	152.4
E52-020	19.1	28.5	200	0.51	152.4
E52-025	25.4	36.8	200	0.80	137.2

BLACK HORIZON:



An economical air and water hose, Horizon is for a wide range of industrial, construction and agricultural applications.

Tube: Versigard® ; synthetic rubber RMA Class C (Limited Oil Resistance)

Reinforcement: Spiral synthetic yarn.

Cover: Black Versigard® synthetic rubber

Temperature: -40°C to 88°C.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E53-006	6.4	12.7	200	0.13	152.4
E53-008	7.9	14.7	200	0.18	152.4
E53-010	9.5	17.0	200	0.22	152.4
E53-012	12.7	20.6	200	0.30	152.4
E53-020	19.1	28.5	200	0.51	152.4
E53-025	25.4	36.8	300	0.80	137.2

YELLOW HORIZON:



An economical air and water hose, Horizon is for a wide range of industrial, construction and agricultural applications.

Tube: Versigard® ; synthetic rubber, RMA Class C (Limited Oil Resistance)

Reinforcement: Spiral synthetic yarn.

Cover: Yellow Versigard® synthetic rubber

Temperature: -40°C to 88°C.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E54-012	12.7	21.3	250	0.33	152.4
E54-020	19.1	29.0	250	0.52	152.4
E54-025	25.4	36.8	200	0.54	137.2



GOODYEAR EXTRUDED: O-01

GORILLA:



Gorilla hose is a premium quality, multipurpose industrial hose with a wide range of applications in factories, construction, agriculture, quarries, mines, railroads, the oil and gas industry, and shipbuilding. All sizes are rated at 500 psi (3.4 MPa) maximum working pressure. Non conductive.

Tube: Nitrile Synthetic Rubber, RMA Class A (High Oil Resistance)

Reinforcement: Spiral Flexten® yarn,

Cover: Yellow Carbryn®, RMA Class A (High Oil Resistance) MSHA approved

Temperature: -29°C to 88°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E55-006	6.4	15.5	500	0.25	152.4
E55-010	9.5	18.6	500	0.33	152.4
E55-012	12.7	22.6	500	0.42	152.4
E55-020	19.1	30.2	500	0.61	152.4
E55-025	25.4	37.8	500	0.86	137.2

FIRE ENGINE BOOSTER:



For use in high pressure fire engine booster service. Also has many applications in other heavy duty industrial and municipal operations.

Tube: Synthetic rubber

Reinforcement: Braided (2) synthetic yarn

Cover: Red synthetic rubber

Temperature: -18°C to 82°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E56-020	19.1	31.8	800	0.62	61
E56-025	25.4	38.9	800	0.81	61

NR SPRAY:



NR Spray is a premium quality all purpose hose for handling a variety of applications such as paint spray or agricultural spray. Will handle spraying paints, automotive finish paints, laquers, thinners, turpentine, air, oil and a large variety of solvents and chemicals.

Tube: Nylon, Silicone-Free

Reinforcement: Braided synthetic yarn

Cover: Black synthetic rubber (RMA Class B: Medium-High Oil Resistance)

Temperature: -18°C to 88°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E57-006	6.4	12.4	750	0.12	152.4
E57-010	9.5	17.8	750	0.22	152.4
E57-012	12.7	22.1	750	0.33	152.4
E57-020	19.1	30.2	750	0.54	152.4
E57-025	25.4	38.4	750	0.80	137.2

SPECTRA:



Spectra Washdown hose is a high quality, economical construction for hot water up to 200°F (93°C) cleanup service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries, and creameries.

Tube: Black Nitrile Synthetic Rubber, RMA Class A (High Oil Resistance), Non-FDA
Reinforcement: Spiral synthetic yarn
Cover: White Chemivic®, RMA Class A (High Oil Resistance),
Temperature: -29°C to 93°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E58-012	12.7	23.1	300	0.40	152.4
E58-020	19.1	30.0	300	0.60	152.4
E58-025	25.4	38.1	275	0.89	137.2

FORTRESS 300 WITH MICROBAN PROTECTION:



A high quality construction for hot water up to 93°, cleanup service in food processing plants, dairies, packing houses, bottling plants, breweries, canneries and creameries. Its super abrasion and oil resistant cover provides maximum protection against the adverse affects of oil and animal fats. The cover of our Fortress 300 incorporates Microban's antimicrobial built in protection.

Tube: Black Nitrile Synthetic Rubber
Reinforcement: Spiral synthetic braid..
Cover: Yellow Carbryn synthetic rubber, RMA Class A (High Oil Resistance) with Microban product protection.
Temperature: -29 to 93°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E78-012	12.7	22.8	300	0.43	152.4
E78-016	15.9	27.0	300	0.54	152.4
E78-020	19.1	30.2	300	0.61	152.4
E78-025	25.4	38.1	300	0.89	137.2

NEPTUNE 3000:



For use on pressure washer machines with working pressure up to 3000 psi.

Tube: Nitrile synthetic rubber
Reinforcement: One braid steel wire
Cover: Blue oil resistant synthetic rubber, RMA Class B
Temperature: -29°C to 121°C .

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E60-006	6.4	13.5	3000	0.22	152.4
E60-010	9.5	17.5	3000	0.36	152.4
E60-012	12.7	20.8	3000	0.48	152.4



CAR HEATER HOSE (SAE30R3):



Produced with a tough versigard tube and cover to resist heat, ozone and anti-freeze present in today's automobiles. Meets SAE30R3 requirements for burst pressure and temperature requirements.

Tube: Black versigard
Reinforcement: Synthetic textile
Cover: Black versigard
Temperature: Up to 121oC

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E61-012	12.7	19.6	60	0.24	152.4
E61-016	15.8	23.1	60	0.32	152.4
E61-019	19.5	26.7	50	0.38	152.4

FUEL HOSE (SAEJ30R7):



Especially for later model vehicle applications, with high under the bonnet temperatures. The hysunite hose cover is oil and petrol resistant and withstands exposure to fuel, vapor, moisture and heat up to 125°C. The chemigum rubber tube is specially compounded to resist petrol, oil, diesel and other fuels.

Tube: Chemigum (Black)
Reinforcement: Synthetic Textile
Cover: Hysunite (Black)
Temperature: -40°C to 125°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E62-005	4.7	10.3	50	0.10	152.4
E62-006	6.4	12.7	50	0.14	152.4
E62-008	7.9	14.3	50	0.18	152.4
E62-010	9.5	15.9	50	0.19	152.4
E62-012	12.7	19.8	35	0.26	152.4
E62-016	15.9	23.8	35	0.36	152.4
E62-020	19.5	28.2	35	0.50	152.4

****WARNING**** Do not use for pressure line on fuel injected engines.

AIR BRAKE (9003-SAEJ1402):



Designed for compressed air brake systems on trucks and buses. Meets or exceeds the requirements of SAEJ1402A and DOT FMVSS-106

Tube: Black seamless, oil and heat resistant rubber.
Reinforcement: Spiral of synthetic cord.
Cover: Black seamless, heat, oil and weather resistant synthetic rubber.
Temperature: -40°C to 100°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E63-010	9.5	19.3	225	0.27	152.4
E63-012	12.7	22.1	225	0.32	152.4
E63-020	19.5	30.2	200	0.54	152.4

FLEXSTEEL:



Flexsteel Petrol Pump hose is a premium hardwall hose which offers the ultimate in kink resistance, low volumetric expansion, service life and reliability. Meeting the performance criteria of AS2683-1989 Type 4, Grade 2, kind 1 & 2 and BS3395-1989 Type 3. It's single braid of high tensile wire reinforcing, coupled with Goodyear's specially developed compounds, make this the safest and most durable hose available. Is also UL 330 & ULC approved.

- Tube:** Black Chemigum Nitrile rubber
- Reinforcement:** Single braided high tensile wire
- Cover:** Chemivic® Nitrile Blend rubber.
- Temperature:** Petrol dispensing at Ambient temperatures

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E64-016**	15.8	26.1	36*	0.64	Random
E64-020**	19.5	31.7	36*	0.68	Random
E64-025**	25.4	35.3	36*	0.78	Random

*Applications other than petrol dispensing, hose is capable of working pressure of 250psi

** Crimped hose assemblies with male and female BSP thread also available.

INSTAGRIP:



For use with push-on fittings at working pressures of 300 psi. For low pressure hydraulic and pneumatic systems such as shop air systems, general industrial, maintenance and automotive applications. Nonconductive, minimum electrical resistance, greater than one megohm per inch of hose length at 1000 Volts DC. MSHA approved cover

- Tube:** Silicone not used in the manufacturing of this hose. Chemivic oil and heat resistant, RMA Class A (High Oil Resistance)
- Reinforcement:** Braided (1) high strength synthetic yarn laid at the most effective angle for maximum strength and coupling holding ability
- Cover:** Black, Blue, Gray (others - contact marketing) oil, weather and abrasion resistant synthetic rubber. RMA Class B (Medium Oil Resistance)
- Temperature:** -40°C to 88°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E67-006	6.35	13.8	300	0.13	152.4
E67-010	9.53	17.4	300	0.21	152.4
E67-012	12.7	20.6	300	0.24	152.4

Blue - E68 Prefix
Grey - E69 Prefix



BLUE OR RED WELDING:



Goodyear’s premium welding hose meets all the requirements of AS1335 and is used in portable and in-line gas welding service in construction, shipbuilding, metalworking and manufacturing industries. The Blue (Oxygen) and Red (Acetylene) hoses have a specially manufactured flame retardant cover as required in AS1335.

- Tube:** Versiguard (Black)
- Reinforcement:** Spiraled Synthetic textile
- Cover:** Versigard, Blue or Red (EPDM) with flame retardant cover.
- Temperature:** -29°C to 82°C

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E71-005	5.0	12.2	175	0.10	152.4
E71-006	6.0	14.0	175	0.22	152.4
E71-008	8.0	16.0	175	0.25	152.4
E71-010	9.5	19.0	175	0.31	152.4

Red - E72 Prefix

TWINLINE WELDING:



Goodyear’s premium welding hose meets all the requirements of AS1335 and is used in portable and in-line gas welding service in construction, shipbuilding, metalworking and manufacturing industries. The Blue (Oxygen) and Red (Acetylene) hoses have a specially manufactured flame retardant cover as required in AS1335..

- Tube:** Versiguard (Black)
- Reinforcement:** Synthetic textile
- Cover:** Oxygen Line - Versigard (Blue)
Acetylene Line - Versigard (Red)

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	Weight (Kg/m)	Reel Length (mt)
E75-005	5.0	12.2	175	0.32	152.4

O

TWINLINE WELDING FITTED ASSEMBLIES:



Fitted Oxy/Acc welding hose with crimped on fittings, ready to use. Available in lengths of 5mtr, 7.5mtr and 10mtr.

Product Code	I.D. (mm)	W.P. (Psi)	Length (mt)
ASS-E75-005-005	5.0	175	5
ASS-E75-005-007	5.0	175	7.5
ASS-E75-005-010	5.0	175	10

MULTI PURPOSE



WATER

AIR



WELDING

FUEL



AUTOMOTIVE

P

THERMOID EXTRUDED RUBBER HOSE

194...	G.P. MULTIPURPOSE VERSICON	
195...	PUMPFLEX-2 VALUFLEX BLACK AIRFLEX	
196...	CAR HEATER FUEL LINE AIR BRAKE	
197...	FARM TANK ANTI-STATIC HERCULES 500 DARI-PREEN	
197...	FARM TANK ANTI-STATIC HERCULES 500 DARI-PREEN	
197...	FARM TANK ANTI-STATIC HERCULES 500 DARI-PREEN	
198...	TWIN WELD GAS SINGLE-WELD GAS	

P

All dimensions and weights are nominal and subject to change

HBD EXTRUDED

GP MULTIPURPOSE:



General purpose oil resistant hose. The cover has good resistance to ozone, weathering, abrasion and oil. It is non-conductive and offers medium-high oil resistance

Tube: Black Nitrile blend RMA Class A.

Cover: Red Nitrile blend RMA Class B.

Reinforcing: Spiral polyester yarn.

Temperature Range: -29°C to 71°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E01-006	6.35	12.70	250	0.12	213
E01-008	7.94	15.88	250	0.21	213
E01-010	9.53	18.30	250	0.25	213
E01-012	12.70	22.40	250	0.36	213
E01-016	15.88	25.40	300	0.42	213
E01-020	19.05	29.50	250	0.54	213
E01-025	25.40	36.60	250	0.73	213
E01-032	31.75	45.24	250	1.16	152
E01-038	38.10	51.60	250	1.34	122

VERSICON:



P

Premium quality fuel* and oil resistant hose. The non-conductive cover has good resistance to ozone, weathering, abrasion and oil.

Tube: Black Nitrile Class A.

Cover: Red NBR/PVC Class A non conductive.

Reinforcing: Spiral polyester yarn.

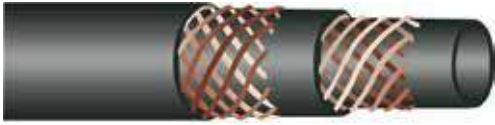
Temperature Range: -29°C to 82°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E08-010	9.53	18.03	300	0.27	213
E08-012	12.70	22.40	300	0.37	213
E08-020	19.05	29.50	300	0.62	213
E08-025	25.40	38.10	300	0.94	213

*Note: This product is not suitable for unleaded fuel.

HBD EXTRUDED

PUMPFLEX 2:



This rugged one wire braid hose has excellent dimensional stability. This construction eliminates elongation, expansion and contraction under pressure. Pumpflex 2 is UL listed.

Tube: Black Nitrile/PVC, RMA Class A.

Cover: Black Thermalon, U/L approved Class B.

Reinforcing: Steel wire braid.

Temperature Range: -40°C to 82°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E15-016	15.88	26.19	200	0.60	152
E15-020	19.05	28.58	200	0.65	152
E15-025	25.40	38.10	150	1.03	152

VALUEFLEX BLACK:



Economical general purpose hose for various industrial and agricultural applications. Weather, ozone and abrasion resistant cover.

Tube: Black EPDM.

Cover: Black EPDM.

Reinforcing: Spiral polyester yarn.

Temperature Range: -40°C to 93°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E03-012	12.70	22.40	200	0.36	213
E03-020	19.05	29.50	200	0.54	213
E03-025	25.40	36.60	200	0.73	213

AIRFLEX:



Premium quality pneumatic air tool hose for use when lubricating with oil mist through air lines. Weather, ozone and abrasion resistant cover.

Tube: Oil Resistant EPDM Tube

Cover: Yellow EPDM.

Reinforcing: Spiral polyester yarn.

Temperature Range: -40°C to 93°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E02-006	6.40	16.00	300	0.22	213
E02-010	9.50	18.30	300	0.27	213
E02-012	12.70	22.40	300	0.37	213
E02-020	19.10	29.50	300	0.55	213
E02-025*	25.40	38.10	300	0.91	213

* Golden Airflex

Tube: Black NBR, RMA Class A

Cover: Yellow NBR,PVC RMA Class A

Temperature Range: -29°C to 82°C

Non-Conductive

HBD EXTRUDED

CAR HEATER:



A quality vehicle heater hose. Resistant to common coolant solutions.

Tube: Black EPDM.

Cover: Black EPDM.

Reinforcing: Spiral polyester yarn.

Temperature Range: -40°C to 93°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E05-012	12.70	19.60	35	0.24	213
E05-016	15.90	22.40	35	0.30	213
E05-020	19.10	25.90	35	0.34	213

FUEL LINE:



Premium automotive fuel line which meets SAE30R7 specifications. Ozone, oil, grease and abrasion resistant cover.

Tube: Black NBR, RMA Class A.

Cover: Black NBR/PVC, RMA Class B.

Reinforcing: Spiral polyester yarn.

Temperature Range: -34°C to 125°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E06-005	4.76	10.40	35	0.10	213
E06-006	6.40	12.70	35	0.13	213
E06-008	7.90	14.20	35	0.16	213
E06-010	9.50	16.00	35	0.18	213
E06-012	12.70	19.20	35	0.23	213

AIR BRAKE:



Designed for conveying air in truck brake systems. Meets DOT FMVSS 106 and SAE J1402A requirements.

Tube: Black EPDM, RMA Class C.

Cover: Black EPDM, RMA Class C.

Reinforcing: Spiral polyester yarn.

Temperature Range: -40°C to 93°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E15-010	9.50	19.10	300	0.25	152
E15-012	12.70	22.40	300	0.30	152

HBD EXTRUDED

FARM TANK ANTI STATIC:



Farm Tank hose is designed for gravity flow diesel, oil, kerosene and gasoline delivery applications. An anti-static wire is incorporated. The cover is oil and abrasion resistant.

Tube: Black NBR, RMA Class A.

Cover: Black NBR/PVC RMA Class A.

Reinforcing: Spiral polyester yarn.

Temperature Range: -29°C to 71°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E07-020	19.10	26.90	60	0.43	213
E07-025	25.40	35.10	60	0.67	213

NOTE: This hose is not suitable for use with unleaded fuel.

HERCULES 500:



Premium heavy duty air and water delivery hose for use in the mining and industrial sectors. MSHA approved non-conductive cover.

Tube: Black NBR/PVC, RMA Class A.

Cover: Yellow carboxylated Nitrile Class A non-conductive.

Reinforcing: Spiral polyester yarn.

Temperature Range: -40°C to 100°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E09-010	9.50	19.10	500	0.31	213
E09-012	12.70	23.10	500	0.36	213
E09-020	19.10	30.20	500	0.54	213
E09-025	25.40	38.10	500	0.76	213

DARI-PREEN:



Premium washdown hose for use in the dairy and food processing industries. Weather, ozone and abrasion resistant cover.

Tube: Black EPDM.

Cover: White EPDM.

Reinforcing: Spiral polyester yarn.

Temperature Range: -40°C to 82°C

Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	Weight (Kg/mt)	Reel Length (mt)
E11-012	12.70	23.10	250	0.43	213
E11-020	19.10	31.80	200	0.74	213

HBD EXTRUDED

TWIN WELD GAS:



Product Code	I.D. (mm)	O.D. (mm)	W.P (psi)	Weight (kg/mt)	Colour	Reel Length (mt)
ME16A-005	5.0	12.0	304	0.27	Blu/Red	100
ME16L-105	5.0	12.0	304	0.27	Blu/Org	100

For use on gas equipment in the construction and manufacturing industries. Suitable for use with reusable gas fittings.

Tube: Black Nitrile Class B.

Cover: Blue/Red (Oxy/Acc) Nitrile Class B.
Blue/Org (Oxy/LPG) Nitrile Class B.

Reinforcing: HD = 2 spiral polyester yarn.

Oxygen and acetylene brass reusable fitting, suitable for use on the "Twin-Weld" and "Single-Weld" gas hoses. Other adaptors also available on request.



Product Code	Hose I.D. (mm)	Use (gas)
599-LP240	5.0	Oxy.
599-LP112	5.0	Acc.
599-LP265	5.0	Joiner

SINGLE WELD GAS:



Product Code	I.D. (mm)	O.D. (mm)	W.P (psi)	Weight (kg/mt)	Colour	Reel Length (mt)
ME17-005	5.0	12.0	300	0.14	Blue	100
ME17-010	10.0	17.0	300	0.20	Blue	100
ME18-005	5.0	12.0	300	0.15	Red	100
ME18-010	10.0	17.0	300	0.25	Red	100
ME19-005	5.0	12.0	300	0.15	Orange	100
ME19-010	10.0	18.0	300	0.24	Orange	100

For use on gas equipment in the construction and manufacturing industries. Suitable for use with reusable gas fittings.

Tube: Black Nitrile Class B.

Cover: Blue (Oxy.) Nitrile Class B.
Red (Acc.) Nitrile Class B.
Orange (LPG) Nitrile Class B.

Reinforcing: Spiral polyester yarn.



RADIATOR



Flexfab[®]

HEATER
HOSE

TURBO
HOSE

PUROSIL[®]

BELLOWS

ELBOWS



REDUCERS



Q

SILICONE RADIATOR HOSE

**202... 3PLY SILICONE RADIATOR HOSE
4PLY SILICONE RADIATOR HOSE**



**203... SILICONE HEATER HOSE
SILICONE 90 DEG BENDS
SILICONE REDUCERS**



**204... CONVOLUTED CHARGE AIR HOSE
TURBO CHARGER HOSE**



Q

All dimensions and weights are nominal and subject to change.

SILICONE RADIATOR HOSE

3PLY SILICONE RADIATOR HOSE:



Applications For heavy duty pressure connections in hostile engine environments. Resists hardening, cracking, cold leaks, aging, steam and many chemicals. Ideal for extreme temperature and various pressure ranges where high performance levels are required.

Features: Temperature range -54°C to 177°C. Meets or exceeds operating requirements of SAE J20 R1 Class A custom wall, TMC RP303B Class 1 Grade 2 and most OEM truck manufacturers specifications.

4PLY SILICONE RADIATOR HOSE:



Applications For heavy duty pressure connections in hostile engine environments. Resists hardening, cracking, cold leaks, aging, steam and many chemicals. Ideal for extreme temperature and various pressure ranges where high performance levels are required.

Features: Continuous operating temperature is -54°C to 177°C. Meets or exceeds the requirements of SAE J20 R1 Class A, TMC RP303B Class 1 Grade 1 and most OEM truck manufacturers specifications.

Imperial Size	3 PLY			4 PLY		
	Product Code:	Burst Pressure (psi)	Weight (Kg/m)	Product Code:	Burst Pressure (psi)	Weight (Kg/m)
1/2"	K01-012	500	0.24	K06-012	600	0.29
5/8"	K01-016	485	0.30	K06-016	585	0.36
3/4"	K01-020	475	0.36	K06-020	575	0.44
7/8"	K01-022	465	0.42	-	-	-
1"	K01-025	450	0.48	K06-025	550	0.58
1 1/8"	K01-028	435	0.54	-	-	-
1 1/4"	K01-032	425	0.60	K06-032	500	0.73
1 3/8"	K01-035	400	0.65	-	-	-
1 1/2"	K01-038	375	0.71	K06-038	450	0.80
1 5/8"	K01-041	350	0.77	-	-	-
1 3/4"	K01-044	300	0.83	K06-044	400	1.02
2"	K01-050	250	0.95	K06-050	400	1.16
2 1/8"	K01-054	235	1.01	-	-	-
2 1/4"	K01-057	225	1.07	K06-057	350	1.23
2 3/8"	K01-060	210	1.13	-	-	-
2 1/2"	K01-063	200	1.19	K06-063	300	1.45
2 5/8"	K01-067	200	1.25	-	-	-
2 3/4"	K01-070	200	1.31	K06-070	275	1.60
3"	K01-076	200	1.43	K06-076	250	1.78
3 1/4"	K01-083	175	1.55	K06-083	225	1.89
3 1/2"	K01-088	150	1.67	K06-088	200	2.03
3 3/4"	K01-095	135	1.79	K06-095	175	2.18
4"	K01-100	125	1.90	K06-100	150	2.32
4 1/2"	K01-112	100	2.14	K06-112	150	2.61
5"	K01-125	90	2.38	K06-125	125	2.90
6"	K01-150	150	-	K06-150	100	3.48

SILICONE HEATER HOSE

SILICONE HEATER HOSE:



Features: Continuous operating temperature -54°C to 177°C. Nylon fibre reinforced. It resists hardening, cracking, cold, aging, steam and many chemicals.

Meets or exceeds operating requirements of SAE J20 R1 Class A custom wall. TMC RP303B Class 1 Grade 2 and most OEM truck manufacturers specifications.

Note: Is resistant to coolant additives

Product Code:	Imperial Size	Burst Pressure (PSI):
K02-006	1/4" x 1 MT	320
K02-006-076	1/4" x 25 FT	320
K02-006-152	1/4" x 50 FT	320
K02-008	5/16" x 1 MT	310
K02-008-076	5/16" x 25 FT	310
K02-008-152	5/16" x 50 FT	310
K02-010	3/8" x 1 MT	310
K02-010-076	3/8" x 25 FT	310
K02-010-152	3/8" x 50 FT	310
K02-012	1/2" x 1 MT	310
K02-012-076	1/2" x 25 FT	310
K02-012-152	1/2" x 50 FT	310
K02-016	5/8" x 1 MT	300
K02-016-076	5/8" x 25 FT	300
K02-016-152	5/8" x 50 FT	300
K02-020	3/4" x 1 MT	300
K02-020-076	3/4" x 25 FT	300
K02-020-152	3/4" x 50 FT	300
K02-025	1" x 1 MT	250
K02-025-076	1" x 25 FT	250
K02-025-152	1" x 50 FT	250

SILICONE 90° BENDS:

Features: Temperature range -40°C to 180°C. Nylon fibre reinforced. Burst pressure is 3 X Working pressure. Working pressure is 2.5 Bar max. Leg size is 102mm



Product Code:	Imperial Size
K07-050	2"
K07-057	2 1/4"
K07-063	2 1/2"
K07-075	3"

SILICONE REDUCERS:

Features: Temperature range -53°C to 176°C. 4 PLY silicone polyester reinforced configuration. UV and Ozone resistant



Product Code:	Imperial Size
K11-200-250-4	2" x 2 1/2"
K11-200-300-4	2" x 3"
K11-250-300-4	2 1/2" x 3"
K11-300-350-4	3" x 3 1/2"



SILICONE TURBO HOSE

CONVOLUTED CHARGE AIR HOSE C/W STAINLES STEEL RINGS:



Product Code:	Imperial Size	O.D	Burst Pressure (PSI)
K03-001	3" x 6"	3.28	60
K03-002	3 1/2" x 6"	3.73	55
K03-003	4" x 6"	4.23	50
K03-004	4" x 8"	4.23	50
K03-005	4 1/2" x 6"	4.73	45
K03-006	4" x 4 1/2" x 6"	4.23	50

Applications: For superior connection between engine mounted charge air system components. Ideal for handling slight misalignments and isolating vibration between hose ends.
Temperature range -40°C to 180°C

FLEXFAB TURBO CHARGER HOSE 36" LENGTHS:

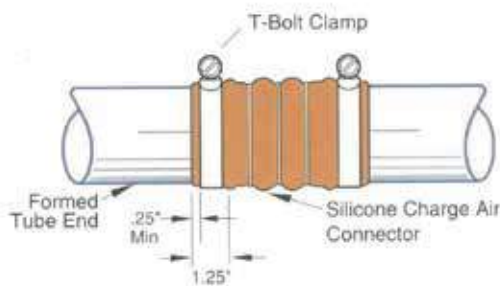


Product Code:	Imperial Size	Burst Pressure (PSI)
K04-038	1 1/2"	120
K04-041	1 5/8"	105
K04-044	1 3/4"	105
K04-050	2"	105
K04-057	2 1/4"	95
K04-060	2 3/8"	90
K04-063	2 1/2"	90
K04-070	2 3/4"	80
K04-076	3"	75
K04-088	3 1/2"	60
K04-100	4"	45

Applications: Connection between the turbocharger and the engine. Resists chemicals, steam, ozone, coolants and aging conditions normally found in the engine environment. Temperature range -65oC to 260oC.
Red in color.

Q

CLAMPING METHOD



Use only T-bolt style clamps. Constant torque T-bolt style clamps may help to retain clamp load. Torque to 70-75 in-lbs. Recommended bead specifications MS-33660 or SAE J692. All specifications are subject to change without notice.

AIR



CHEMICAL



WATER



DIVERS

AGRICULTURE



R



WASH DOWN

PVC PRESSURE HOSE

**208... SUPER ULTRAFLEX II
COLD FLEX
CVT**



**209... TMP II
DIVERS HOSE
DRINKING WATER HOSE**



**210... FRAS
WASHING MACHINE HOSE
HOT WASH**

**211... FIRE REEL
ESTATE BLUELINE
PASTORAL WASHDOWN HOSE
GARDEN HOSE**



**212... DRUM PUMP
PR PETROL RESISTANT HOSE
SPRAYFLEX 300 AGRI- SPRAY**



R

All dimensions and weights are nominal and subject to change.

AIR/WATER

SUPER ULTRAFLEX II:



A superior, flexible air, water hose where long life and wear tolerance is required.

Temperature: 0°C to 60°C

Colour: Yellow outer cover blue strip, black inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A51-006	6.0	12.8	290	1,160	0.13	20, 100, 300
A51-008	8.0	14.8	290	1,160	0.16	20, 100, 300
A51-010	10.0	16.6	290	1,160	0.17	20, 30, 100, 300
A51-012	12.5	19.3	290	1,160	0.19	20, 55, 100
A51-020	20.0	29.0	230	920	0.45	20, 100
A51-025	25.0	34.6	230	920	0.62	20, 100
A51-032	32.0	43.4	230	920	1.15	20, 60
A51-038	38.0	50.6	230	920	1.56	20, 40
A51-050	50.0	64.6	230	920	2.40	20, 40

COLD FLEX:



For air, water and fluid transfer where low temperature flexibility is required. UV stabilised.

Temperature: 0°C to 60°C

Colour: Blue outer cover; black inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A02-006	6.0	11.5	290	1160	0.13	20, 100, 300
A02-008	8.0	14.0	290	1160	0.13	20, 100, 300
A02-010	10.0	16.6	290	1160	0.18	20, 30, 70, 100, 200
A02-012	12.5	18.9	290	1160	0.22	20, 50, 100, 200
A02-020	19.0	26.5	230	920	0.40	20, 100

CVT:



Non toxic tube suitable for food and beverage transfer. Clear in colour.

Temperature: 0°C to 60°C

Colour: Transparent

* = Calfateria tube

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A15-003	3.0	5.0	125	250	0.017	30, 300
A15-004	4.0	7.0	120	230	0.035	30
A15-005	5.0	8.0	115	230	0.042	30, 100
A15-006	6.0	9.0	90	180	0.048	30, 100
A15-008	8.0	11.0	75	150	0.061	30, 150
A15-010	10.0	13.0	60	120	0.074	30, 130
A15-011*	10.0	15.0	90	180	0.134	30
A15-012	12.5	15.5	70	138	0.090	30, 90
A15-016	16.0	19.0	60	120	0.113	30, 60
A15-020	19.0	23.0	50	100	0.181	20, 30
A15-025	25.0	31.0	50	100	0.360	30
A15-032	32.0	38.0	40	80	0.452	30
A15-038	38.0	46.0	40	80	0.712	30
A15-050	50.0	60.0	40	80	1.130	15

R

PVC PRESSURE SPECIALISED

TMP II:



Food contact, fuel and oil transfer. For the transfer of air, water and petroleum based products. UV stabilised. Meets AS2070 1999 with a food contact inner and outer covering.

Temperature: 0°C to 60°C

Colour: Clear outer cover with blue/yellow strip, clear inner tube

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A53-006	6.0	10.2	200	800	0.08	20, 100, 300
A53-008	8.0	12.4	200	800	0.10	20, 100, 300
A53-010	10.0	15.0	200	800	0.14	20, 80, 100, 300
A53-012	12.5	18.1	200	800	0.19	20, 55, 100, 250
A53-016	16.0	22.8	200	800	0.30	20, 100
A53-020	20.0	27.6	200	800	0.40	20, 100
A53-025	25.0	33.4	200	800	0.54	20, 100
A53-032	32.0	41.8	175	700	0.97	20, 60
A53-038	38.0	49.8	175	700	1.32	20, 40
A53-050	50.0	64.2	131	524.	2.12	20.40

DIVERS AIR BREATHER HOSE:



Approved divers' air breathing hose. Also suitable for breathing apparatus for spray booths and sand blasting. Conforms to AS2299. Outer cover pricked for added safety.

Temperature: 0°C to 60°C

Colour: Yellow outer cover & White inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A10-008	8.0	14.3	235	930	0.14	100, 300
A10-010	10.0	17.0	365	1450	0.22	100, 300

DRINKING WATER HOSE:



For conveying of drinking (Potable) water, ideal for caravans and boats. Manufactured to AS2070 1999 & AS4020

Temperature: 0°C to 60°C

Colour: White outer blue line cover & clear inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A18-012	12.0	17.0	110	440	0.23	20, 60, 100

PVC PRESSURE SPECIALISED

FRAS:



Fire resistant anti-static air & water supply hose.
 UV Stablised Manufactured to AS2660 Class A (1991) and AS2554 Class A
Temperature: 0°C to 60°C
Colour: Yellow outer with black Stripe & black inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A14-010	10.0	18.0	305	1220	0.25	20, 100
A14-012	12.5	20.9	305	1220	0.26	20, 30, 100
A14-020	20.0	29.4	305	1220	0.58	20, 30, 100
A14-025	25.0	34.8	305	1220	0.71	20, 30, 100
A14-038	38.0	48.8	305	1220	1.19	20, 150, 200
A14-050	50.0	62.4	305	1220	1.80	20, 100, 200

WASHING MACHINE HOSE:



White PVC washing machine hose for hot & cold water inlet.
Temperature: 0°C to 60°C
Colour: White outer cover & white inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A19-010	10.0	16.8	290	1160	0.23	20
A19-012	12.5	20.5	290	1160	0.25	20, 100

HOT WASH:



Hot washdown of all food preparation and retail areas, where milk, fats and other food products are present.
Temperature: 0°C to 85°C when used at low pressure
Colour: White outer cover & white inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
A08-012	12.5	19.7	290	1160	0.28	20, 100
A08-020	19.0	28.0	250	1015	0.48	20, 100

R

WASHDOWN

FIRE REEL HOSE BLACK:



Fixed and portable fire hose reels. Manufactured to AS/NZ1221.

Temperature: 0°C to 60°C

Colour: Black outer Cover & inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
A09-020	19.0	26.0	145	580	0.36	20, 36, 100
A09-025	25.0	31.5	145	580	0.55	20, 36, 100

ESTATE BLUELINE:



Highly flexible premium hose for watering parks and gardens. Ideal as a general cold water wash down hose in cattle yards and dairies.

Temperature: 0°C to 60°C

Colour: Smooth white with blue line cover & black inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
A55-012	12.5	19.0	145	580	0.22	20, 100
A55-020	19.0	26.5	145	580	0.40	20, 100
A55-025	25.0	34.0	145	580	0.58	20, 100
A55-032	32.0	42.5	145	580	0.85	20, 100
A55-038	38.0	49.5	145	580	1.11	20, 60

PASTORAL:



A ribbed cold water wash down hose and general purpose water hose. Good flexibility and abrasion resistance.

Temperature: 0°C to 60°C

Colour: White outer cover & black inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
A06-012	12.5	19.0	175	700	0.22	20, 100
A06-020	19.0	26.5	175	700	0.37	20, 100
A06-025	25.0	34.0	145	580	0.58	20, 100
A06-032	32.0	43.0	145	580	0.90	20, 100

GARDEN HOSE:



A high quality reinforced flexible garden hose. Excellent kink resistance and good UV light resistance.

Temperature: 0°C to 60°C

Colour: Green outer cover & black inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Lengths (mt)
A07-012	12.0	16.5	90	350	0.15	20, 30, 100, 200
A07-020	20.0	25.2	90	350	0.31	20, 30, 100
A07-025	25.0	32.0	90	350	0.39	50

OIL & FUEL

DRUM PUMP:



Petrol and oil resistant hose with excellent flexibility. For dispensing fuels from overhead tanks and drums

Temperature: 0°C to 60°C

Colour: Black outer cover & inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
A12-020	19.0	27.0	145	580	0.36	20, 50, 100
A12-025**	25.0	33.5	145	580	0.55	20, 60

****25mm hose includes twin antistatic copper wires for increased safety when used to transfer volatile solvents.**

PR HOSE:



A superior petrol resistant hose for dispensing oil, greases, petrol (including unleaded) and diesel. Ideal as a tanker delivery hose.

Temperature: 0°C to 60°C

Colour: Black outer cover & blue inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Length (mt)
A13-025	25.0	34.0	193	770	0.60	20, 100
A13-032	32.0	42.0	175	700	0.80	20, 60
A13-038	40.0	52.4	145	580	1.20	20, 40

****PR Hose has an anti static wire built into hose.**

AGRI SPRAY HOSE

SPRAYFLEX 300 AGRI-SPRAY:



Premium hose for transferring diluted weedicides, pesticides in general agricultural and horticultural applications.

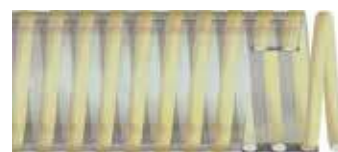
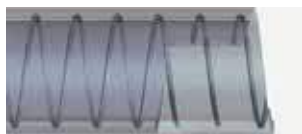
Temperature: 0°C to 60°C

Colour: Black outer cover & Blue inner tube.

Product Code	I.D (mm)	O.D (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/mt)	Coil Lengths (mt)
A54-008	8.0	14.4	297	1190	0.15	20, 100, 200
A54-010	10.0	16.4	297	1190	0.19	20, 100, 200, 300
A54-012	12.5	19.0	297	1190	0.22	20, 50, 100, 250
A54-020	19.0	27.5	297	1190	0.42	20, 100
A54-025	25.0	35.2	297	1190	0.63	20, 100
A54-032	32.0	43.0	297	1190	0.66	20, 60
A54-038	38.0	52.0	297	1190	1.35	20, 60

R

AGRICULTURE



FOOD

WATER



WINE

OIL



S



MATERIAL HANDLING

PVC SUCTION HOSE

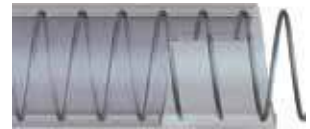
**216... APOLLO GREEN
APOLLO SE
BARFELL GREY**



**217... SATURNO
BACCO RED H/D WINE
BARFELL CLARET H/D WINE**



**218... NETTUNO
PLUTONE
PLUTONE PR**



**219... BLACK BOSS
BLUELINE OIL & TANKER
SUPER E PETROL & OIL**



**220... WHITE SANITATION HOSE
MARINE FLEX
CLEAR BLACK AIRSEEDER**



**221... TIGER TAIL
GOODYEAR ARTRAC
INDUS KAR**



**222... BARFLO INDUSTRIAL
BARFLO H/D
SUPER ELASTIC**



All dimensions and weights are nominal and subject to change.

WATER SUCTION

APOLLO GREEN:



Applications: Plasticized PVC hose with incorporated reinforcement of anti-shock rigid PVC spiral. Inside smooth, light corrugation outside. Strong and flexible, resistant to crushing, abrasion, to atmospheric agents and to most chemicals.

Temperature: -10°C to 60°C

Product Code	I.D (mm)	Nom O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B25-020	20.0	27.2	100	10	150	0.30	20
B25-025	25.0	32.6	87	10	150	0.39	20
B25-032	32.0	40.0	87	10	190	0.58	20
B25-038	38.0	46.8	85	10	230	0.67	20
B25-044	44.0	53.0	85	10	270	0.85	20
B25-050	50.0	61.6	75	10	300	0.97	20
B25-063	63.0	73.4	65	9	380	1.35	20
B25-075	76.0	87.0	57	9	470	1.63	20
B25-100	102.0	115.4	45	8.5	600	2.64	20
B25-125	127.0	142.0	36	8	750	3.45	20
B25-140	140.0	156.2	28	7	900	4.10	20
B25-150	152.0	169.2	28	7	900	4.41	20

APOLLO S.E.:



Applications: Superflexible heavy duty suction and delivery of solid and liquid materials. Special formulation particularly suitable to be used at low Temperatures. Ideal for dragging.

Temperature: -25°C to 60°C

Product Code	I.D (mm)	Nom O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B23-025	25.0	32.6	99	10	100	0.41	30
B23-032	32.0	40.0	99	10	130	0.60	30
B23-038	38.0	46.8	85	10	155	0.70	30
B23-045	45.0	54.0	85	10	180	0.85	30
B23-050	52.0	61.6	75	10	200	1.00	30
B23-063	63.0	73.4	75	9	260	1.40	30
B23-075	76.0	87.0	57	9	310	1.70	30
B23-100	102.0	115.4	45	8	410	2.70	30
B23-125	127.0	142.0	45	8	510	3.60	30
B23-150	152.0	170.0	28	8	610	5.00	20

BARFELL GREY:



Applications: A heavy duty suction/discharge hose. For conveyance of water, slurries, waste matter, granules, sand & gravel. A smooth bore for increased pumping and pumping efficiency. UV resistant

Temperature: -5°C to 60°C

Product Code	I.D (mm)	Nom O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B01-025	25.0	31.4	145	9	120	0.39	20, 30
B01-032	32.0	38.6	130	9	150	0.53	20, 30
B01-038	38.0	46.6	115	9	200	0.69	20, 30
B01-050	50.0	59.6	100	9	270	1.07	20, 30
B01-063	63.0	73.3	85	9	330	1.51	20, 30
B01-075	76.0	88.0	85	9	440	2.26	20, 30
B01-100	102.0	116.0	75	9	620	3.17	20
B01-150	150.0	170.0	45	9	1100	6.73	20

S

WATER SUCTION

SATURNO:



Applications: Plasticized PVC hose with incorporated spiral reinforcement of anti-shock PVC. Smooth inside, light corrugation outside. Easy handling, light & flexible. Resistant to crushing, abrasion, to atmospheric agents and most chemicals.

Temperature: -10°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B20-020	19.0	24.6	75	7	110	0.24	20, 50
B20-025	25.0	30.6	75	7	130	0.30	20, 50
B20-032	32.0	38.0	75	7	155	0.39	20
B20-038	38.0	44.8	75	7	180	0.52	20
B20-044	45.0	52.6	75	7	215	0.67	20
B20-050	51.0	60.2	75	7	235	0.80	20
B20-057	55.0	65.2	75	7	255	0.91	50
B20-063	63.0	71.4	75	7	290	1.04	20
B20-075	76.0	85.4	57	7	340	1.38	20
B20-100	102.0	114.0	57	7	470	2.20	20

FOOD QUALITY

BACCO RED H/D WINE:



Applications: Plasticized PVC hose with incorporated reinforcement of anti-shock rigid PVC spiral. Inside surface smooth, light corrugation outside. Very strong and flexible. Resistant to crushing, abrasion, atmospheric agents and most other chemicals. Suitable for suction & delivery of dregs, wines, liqueurs up to 30% alcohol contents. No Fatty Foods

Temperature: -10°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B28-025	25.0	32.0	130	10	170	0.40	20
B28-032	32.0	39.6	130	10	230	0.52	20
B28-038	38.0	46.8	130	10	260	0.73	20
B28-050	50.0	61.4	115	10	350	1.10	20
B28-063	63.0	72.8	115	10	440	1.63	20
B28-075	75.0	87.0	115	10	525	1.95	20
B28-100	100.0	117.6	75	9	695	3.30	20

BARFELL CLARET H/D WINE:



Applications: Designed for the conveyance of wines and spirits up to 28% alcohol content. The heavy wall design makes it ideally suited to the canning and food packaging industries also. UV resistant. The smooth bore enables easy cleaning and reduces bacteria build up

Temperature: -5°C to 60°C.

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B04-025	25.0	34.0	100	9	160	0.60	20
B04-032	32.0	41.0	100	9	190	0.71	20
B04-038	38.0	48.0	85	9	230	0.82	20
B04-050	50.0	62.0	75	9	290	1.20	20
B04-063	63.0	76.0	75	9	360	1.73	20
B04-075	76.0	90.0	75	9	450	2.29	20
B04-100	102.0	117.0	60	9	640	3.33	20

FOOD QUALITY

NETTUNO:

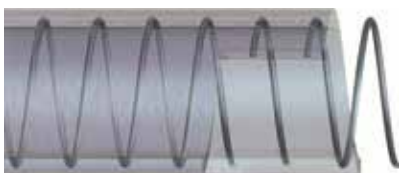


Applications: Plasticized PVC with incorporated spiral reinforcement of anti-shock rigid PVC. Inside surface smooth, light corrugation outside. Easy handling, light, flexible, resistant to crushing, abrasion, atmospheric agents and most chemicals. Weather resistant. No Fatty Foods

Temperature: -10°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B27-020	19.0	25.6	75	7	110	0.24	20
B27-025	25.0	30.6	75	7	130	0.30	20
B27-032	32.0	38.0	75	7	155	0.39	20
B27-038	38.0	44.4	75	7	180	0.52	20
B27-050	50.0	60.2	75	7	235	0.80	20
B27-063	63.5	71.4	75	7	290	1.04	20
B27-075	76.0	85.4	75	7	340	1.38	20
B27-090	90.0	102.0	57	7	420	1.85	20
B27-100	102.0	114.0	57	7	470	2.24	20
B27-150	151.5	162.4	45	5	780	4.30	20

PLUTONE:



Applications: Plasticized PVC hose with steel spiral reinforcements. Highly flexible, smooth inside and outside, transparent wall. Resistant to most atmospheric agents and most chemicals. Good abrasion resistance. Food grade according to the EU regulation 10/2011 and compliant with FDA standards for food contact to 4". No Fatty Foods

Temperature: -10°C to 60°C

* = Not food quality

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B22-006	6.0	12.2	75	9	30	0.13	60
B22-010	10.0	16.0	100	9	50	0.17	60
B22-012	12.0	18.0	100	9	50	0.20	60
B22-016	16.0	22.4	100	9	70	0.27	60
B22-020	20.0	27.0	87	9	90	0.35	60
B22-025	25.0	33.0	87	9	110	0.50	60
B22-032	32.0	40.4	75	8	140	0.65	60
B22-038	38.0	47.0	75	8	170	0.80	30
B22-044	45.0	54.8	58	8	200	1.10	30
B22-050	50.0	60.0	58	8	230	1.25	30
B22-063	63.0	74.8	50	8	280	1.80	30
B22-075	76.0	88.2	50	7	340	2.20	30
B22-100	102.0	115.0	29	7	460	3.35	20
B22-125*	127.0	144.0	23	7	460	5.5	20
B22-150*	152.0	168.6	17	7	760	6.90	20

PLUTONE PR:



Applications: Plasticized PVC hose with double reinforcement inside a steel spiral, outside a polyester yarn. Inside smooth surface. Very flexible. Resistant to weather agents and to most chemicals. Meets FDA standards for food contact, No Fatty Foods. Suction and delivery of alimentary products such as drinks, fruit juices, wine, vinegar and liqueurs up to 15% Alcoholic content.

Temperature: -10°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B24-010	10.0	18.5	290	10	30	0.26	60
B24-012	12.0	20.0	290	10	36	0.28	60
B24-016	16.0	25.0	270	10	48	0.37	60
B24-020	20.0	29.0	190	10	60	0.47	60
B24-025	25.0	35.0	190	10	75	0.65	60
B24-032	32.0	43.0	150	9	95	0.88	60
B24-038	38.0	49.0	150	9	110	1.03	30
B24-050	51.0	63.0	115	8	150	1.62	30
B24-075	76.0	91.0	85	7	228	2.66	30

S

PVC OIL SUCTION

BLACK BOSS:



Applications : Medium duty suction / discharge hose. Extremely flexible and lighter weight, For collection and pumping of fuels, sewage, oil & greases in less demanding situations.

Temperature: -5°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B02-020	19.0	24.9	95	9	40	0.26	20, 30
B02-025	25.0	32.0	95	9	65	0.41	20, 30
B02-032	32.0	39.0	95	9	100	0.54	20, 30
B02-038	38.0	46.2	80	9	150	0.70	20, 30
B02-050	50.0	60.0	65	9	190	1.07	20, 30
B02-063	63.0	74.1	65	9	230	1.50	20, 30
B02-075	75.0	89.0	30	9	330	2.25	20, 30

BLUELINE OIL & TANKER:



Applications : Collection of waste on environmental waste trucks, pumping the contents of grease pits, sewage collection, pumping of fuels, lubricants and most chemicals.

Temperature: -5°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B03-025	25.0	32.0	145	9	65	0.41	20
B03-032	32.0	40.6	130	9	100	0.51	20
B03-038	38.0	45.6	130	9	150	0.70	20
B03-050	50.0	60.2	102	9	190	1.05	20
B03-063	63.0	73.5	87	9	230	1.42	20
B03-075	75.0	87.8	87	9	330	2.03	20

SUPER E PETROL & OIL:



Applications : An extremely flexible, thick walled suction / delivery hose with outstanding resistance to hydrocarbon based chemicals, including diesel fuel, petrol, oil, greases and lubricants. Smooth bore ensures maximum pumping efficiency.

Temperature: -5°C to 60°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B05-025	25.0	34.0	100	9	80	0.55	20, 30
B05-032	32.0	41.0	100	9	120	0.70	20, 30
B05-038	38.0	48.0	85	9	180	0.87	20, 30
B05-050	50.0	62.0	75	9	220	1.33	20, 30
B05-063	63.0	76.0	75	9	270	1.81	20, 30
B05-075	76.0	90.0	75	9	350	2.44	20, 30
B05-100	102.0	117.0	60	9	550	3.41	20

MARINE

WHITE SANITATION HOSE:



Product Code	I.D (mm)	OD (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B52-020	20.0	26.0	130	6	100	0.30	20
B52-025	25.0	32.0	130	6	120	0.40	20
B52-038	38.0	45.0	87	6	200	0.72	20

Applications : Ideal for use with sanitation systems in boats, caravans and recreational vehicles. Smooth bore, remains flexible at low temperatures.

Temperature: -5°C to 60°C

MARINE FLEX:



Product Code	I.D (mm)	OD (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B59-020	20.0	25.0	101	5	90	0.28	20
B59-025	25.0	31.0	101	5	95	0.35	20
B59-028	28.5	35.0	101	5	105	0.40	20
B59-032	32.0	38.0	87	5	115	0.44	20
B59-038	38.0	45.0	58	5	140	0.48	20
B59-050	50.0	59.0	58	4	180	0.70	20

Applications : Extremely flexible, smooth bore hose for pumps and toilets, discharge hose for bilge pumps. Very tight bending radius without kinking.

Temperature: -5°C to 60°C

AIR SEEDER

CLEAR BLACK AIRSEEDER:



Product Code	I.D (mm)	OD (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
AG266OA-025	25.0	30.0	120	7	113	0.29	20
AG266OA-032	32.0	38.0	100	7	144	0.39	20
AG266OA-038	38.0	44.0	90	7	171	0.51	20
AG266OA-045	45.0	52.0	90	7	203	0.67	20
AG266OA-050	51.0	58.0	75	7	230	0.76	20
AG266OA-063	63.0	71.0	75	7	284	1.18	20
AG266OA-075	76.0	85.0	75	7	342	1.51	20

Applications : Agricultural seed transfer in "Air-Flo" seeding equipment. Abrasion and ozone resistant

Temperature: -5°C to 60°C

S

MATERIAL HANDLING

TIGER TAIL HD:



Applications: An extremely flexible suction / discharge hose with a hard wearing exposed rigid PVC spiral. Hose is suitable for diesel fuels, oils, sewage and chemicals

Temperature: -5°C to 60°C

* Made to Order

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B54-050	50.0	61.0	45	8	220	0.86	20
B54-063	63.0	76.0	45	8	270	1.27	20
B54-075	76.0	90.0	45	8	350	1.62	20
B54-100	102.0	118.0	45	8	450	2.43	20
B54-125	127.0	143.0	45	8	475	3.99	20
B54-150	150.0	167.0	45	8	500	5.10	20
B54-200	203.0	222.0	45	8	650	7.55	*

ARTRAC:



Applications: This hose is used for a variety of abrasive, material-handling applications to transfer gravel, sand, slurries and other abrasive products. Tube made from static-dissipating / static conductive PVC.

Temperature: -40°C to 70°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B51-050	50.0	62.7	40	9	140	1.00	30.5
B51-063	63.0	77.4	35	9	152	1.29	30.5
B51-075	76.0	93.7	30	9	191	1.73	30.5
B51-100	101.0	122.2	30	9	279	3.21	30.5
B51-125	127.0	146.9	30	9	381	3.87	30.5
B51-150	152.0	179.8	25	9	508	5.10	30.5
B51-200	203.0	234.0	20	9	762	5.84	6.1,
B51-250	254.0	284.1	20	9	1143	7.96	6.1,

INDUS KAR:



Applications: For low pressure gravity feed shuttes or vacuum conveyors in manufacturing plants & construction sites, suction conveyance of slurry, cement, gravel, iron ore and grains.

Note: Excellent electroconductivity - avoids static electricity build up

Temperature: -20°C to 50°C

Product Code	I.D (mm)	O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
AG780AA-038	38.0	47.0	25	9	80	0.57	20
AG780AA-050	51.0	61.0	25	9	120	0.86	20
AG780AA-063	63.0	75.0	25	9	200	1.09	20, 30
AG780AA-075	76.0	90.0	15	9	240	1.39	20, 30
AG780AA-100	102.0	119.0	15	9	320	2.56	20, 30
AG780AA-125	127.0	146.0	15	9	480	3.32	20, 30
AG780AA-150	152.0	175.0	15	9	720	4.89	20, 30

BARFLO INDUSTRIAL:



Applications: This lightweight corrugated suction and delivery hose, with crush resistant construction, and extreme flexibility, it has endless uses in the agricultural and industrial fields. Its EVA compound also gives the added advantage of being food quality.

*=JD special

Product Code	I.D (mm)	OD (mm)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B10-012	12.5	19.0	50	0.10	20
B10-016	16.0	21.5	65	0.13	20
B10-020	19.0	26.0	65	0.20	20
B10-025	25.0	32.0	70	0.25	20
B10-028	28.0	35.5	80	0.28	20
B10-030	30.5	39.5	85	0.31	20
B10-031	31.5	40.5	85	0.37	20
B10-032S	32.0	41.0	90	0.38	20
*B10-032	31.5	37.0	90	0.32	20
B10-033	33.5	44.0	90	0.40	20
B10-035	35.0	45.0	90	0.42	20
B10-038	38.0	47.0	100	0.45	20
B10-044	44.0	53.0	110	0.48	20
B10-050	50.0	63.5	125	0.85	20
B10-063	63.0	74.5	200	1.00	20
B10-075	76.0	88.0	250	1.10	20
B10-100	102.0	114.0	400	2.00	20

BARFLO H/D:



Applications: Constructed the same as the Barflo industrial, this hose consists of a thicker wall giving it increased strength and suction capabilities. This allows Barflo H/D to be manufactured in much larger diameters than Barflo Industrial.

* Made to order

Product Code	I.D (mm)	OD (mm)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
B11-032	31.5	42.0	125	0.42	20
B11-038	38.0	48.5	130	0.55	20
B11-044	44.0	58.0	135	0.75	20
B11-045	44.0HW	63.0	200	1.00	20
B11-050	50.0	67.5	175	1.00	20
B11-063	63.0	79.5	200	1.10	20
B11-075	76.0	92.0	300	1.40	20
B11-100	102.0	121.5	400	2.50	20
B11-125	127.0	149.0	450	3.70	*
B11-150	152.0	174.0	550	4.20	*
B11-200	203.0	226.0	1000	5.20	*

SUPER ELASTIC:



Applications: Super-flexible heavy duty suction and delivery of solid and liquid materials. Special formulation particularly suitable to be used at low temperatures. Ideal for dragging.

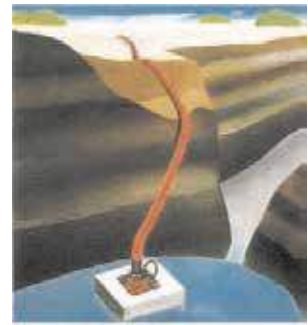
Temperature: -20°C to 60°C.

Product Code	I.D (mm)	Nom O.D (mm)	W.P (P.S.I) @20°C	Vac (mH ₂ O)	Bend Radius (mm)	Weight (Kg/mt)	Coil Lengths (mt)
AG267BE-032	32.0	39.0	100	9	128	0.60	50
AG267BE-038	38.0	46.0	100	9	152	0.70	50
AG267BE-050	51.0	60.0	75	9	204	1.00	50
AG267BE-063	63.0	74.0	75	9	252	1.35	50
AG267BE-075	76.0	89.0	75	9	304	1.75	50
AG267BE-100	102.0	116.0	60	9	408	2.70	30
AG267BE-125	127.0	142.0	60	9	508	3.80	20
AG267BE-150	152.0	170.0	45	9	608	4.85	20

S



DE WATERING



FIRE



MINING



PUMPING



AGRICULTURE



T

PVC LAYFLAT

**226... LOW PRESSURE BLUE
HIGH PRESSURE RED**

**227... CENTURION FIRE HOSE
BORELINER HOSE**



All dimensions and weights are nominal and subject to change.

T

SUNNY HOSE LAYFLAT

**LOW PRESSURE
BLUE:**



Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Length (mt)
C01-025	26.0	29.0	100	294	0.17	100
C01-032	33.0	36.0	100	294	0.20	100
C01-038	41.0	43.0	75	219	0.21	100
C01-050	53.0	56.0	65	195	0.29	100
C01-063	66.0	69.0	60	174	0.40	100
C01-075	78.0	81.0	60	174	0.57	100
C01-100	104.0	108.0	60	174	0.75	100
C01-125	128.0	131.7	45	126	1.00	100
C01-150	155.0	159.0	45	132	1.25	100
C01-200	207.0	212.0	45	132	1.93	100
C01-250	257.0	262.0	30	108	2.70	100
C01-300	308.0	313.0	30	90	2.90	100
C01-350	359.0	364.4	28	84	3.65	100
C01-400	410.0	415.40	28	84	4.29	100

Color: Blue

Working Temp: -0°C to 60°C

Features: Lightweight, and available in large diameters, this synthetic fibre and soft PVC hose is constructed in a one piece method. Resists most chemical agents.

Applications: Ideal for use as a drainage hose in emergency flood disaster situations. Also suitable for drainage of locations with relatively small differences in elevation, for temporary water supply or drainage. Resistance to chemical agents also makes it useful as an irrigation hose for small farms, delivering some types of liquid fertilisers and agricultural chemicals.

**HIGH PRESSURE
RED:**



Product Code	I.D. (mm)	O.D. (mm)	W.P (Psi)	B.P (Psi)	Weight (Kg/m)	Coil Length (mt)
C03-038	40.0	44.0	152	456	0.30	100
C03-050	53.0	57.0	152	456	0.42	100
C03-063	66.0	70.0	152	456	0.55	100
C03-075	79.0	83.0	130	390	0.66	100
C03-100	104.0	109.0	130	390	1.02	100
C03-150	155.0	161.0	102	306	1.65	100
C03-200	207.0	213.0	75	225	2.20	100
C03-250	257.0	263.0	65	195	2.90	100

Color: Brick Red.

Working Temp: -0°C to 60°C

Features: Tough, excellent abrasion resistance, heavy wall PVC with synthetic fibre reinforcement.

Applications: Well suited for water drainage at open pit mining and at civil engineering / dam construction sites in mountains or any other application where water has to be moved to a significantly higher or lower elevation.

T

FIRE HOSE



CENTURION:

Outer Cover: White Polyester yarn

Inner Tube: Synthetic polymer

Applications: Hose Suitable for fire fighting and washdown use.

Product Code	I.D (mm)	W.P (Psi)	Weight (Kg/m)	Coil Length (mt)
C10-025	25.0	218	0.11	30
C10-038	38.0	218	0.17	30
C10-050	50.0	218	0.22	30
C10-063	64.0	218	0.31	30
C10-075	76.0	218	0.37	30
C10-100	102.0	218	0.45	30

BORELINE

BORELINE HOSE:

Color: Blue

Working Temp: -10°C to 50°C

Features: High tensile strength. High pressure rated, easy to roll and transport. Lightweight and corrosion resistant. Boreline is made from the most advanced abrasive resistant thermoplastic which has elastic properties that allow it to increase flow rates under pressure. It comes with an innovative cable strap attachment which takes up minimal space and does not affect the rolling of the hose.

Applications: Boreline has been developed specifically for the rugged Australian environment as an alternative to steel risers which are prone to corrosion as well as being difficult to install, maintain and retrieve.

By wearing a high tensile 'fire hose' jacket and reinforcing it with polyurathene a hose is produced that is both super strong and flexible.

Boreline is designed to handle the weight of the pump and water column under extreme conditions.



Product Code	I.D (mm)	Wall thickness (mm)	W.P (Psi)	Safety Factor	Weight (Kg/mt)	Maximum pump + cable weight (kg)	Tensile Strength (t)	Coil Length (mt)
C20-050	50.0	3.3	435	>3	0.80	750	4.6	200
C20-075	76.0	3.5	363	>3	1.20	1100	7.	200
C20-100	102.0	3.5	363	>3	1.50	2000	89.5	200
C20-150	152.0	4.0	319	>3	2.40	2500	4.2	100

STAINLESS STEEL COUPLINGS:

Product Code	Size (mm)
C21-050	50.0
C21-075	76.0
C21-100	102.0
C21-150	154.0

STRAPS:

Product Code	Size (mm)
C22-050	50.0
C22-075	76.0
C22-100	102.0
C22-150	154.0



MATERIAL
HANDLING



CUSTOM
MADE



ANTI
STATIC



FUMES



DUST



DUCTING

**230... PVC CLEAR
PVC BLUE**



**231... TPR
FRS
FLEXAUST HT**



**232... VOLCANO PU-R
VOLCANO PU-M
VOLCANO PU-H**



**233... EOLO PU
EOLO PU A/S**

**234... EOLO TR
TUFLEX
MINEFLEX**



**235... ABRASAFLEX
FLEX LOK NPB
STRIPWOUND STAINLESS STEEL**

**236... FLEX LOK SF
FLEXAUST CWGS
HIGH TEMP W**



All dimensions and weights are nominal and subject to change.

PVC

PVC CLEAR:



Color: Clear with rigid steel spiral.

Working Temp: -10°C to 50°C

Features: Clear plasticised PVC hose with wire spiral reinforcement. Very light and flexible.

Applications: Suction and discharge of abrasive powders, fumes, shavings and vapours for heavy duty industrial and abrasive applications.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J21C-038	40.0	80	10
J21C-050	51.0	40	10
J21C-063	63.0	55	10
J21C-075	76.0	65	10
J21C-090	90.0	75	10
J21C-100	102.0	85	10
J21C-114	114.0	95	10
J21C-125	127.0	105	10
J21C-150	152.0	125	10
J21C-180	180.0	356	10
J21C-200	203.0	165	10
J21C-230	228.0	185	10
J21C-250	254.0	210	10
J21C-300	305.0	610	10

PVC BLUE:



Color: Blue with rigid steel spiral.

Working Temp: 0°C to 50°C

Features: A medium weight PVC ducting hose, reinforced with a steel wire helix. Features excellent flexibility and compressibility.

Applications: Air ventilation systems. Smoke and fume extraction. Light material handling.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J21-038	39.0	80	10
J21-050	51.0	40	10
J21-057	57.0	50	10
J21-063	63.0	55	10
J21-075	76.0	65	10
J21-090	89.0	75	10
J21-100	102.0	85	10
J21-114	114.0	90	10
J21-125	127.0	105	10
J21-150	152.0	125	10
J21-180	180.0	150	10
J21-200	203.0	165	10
J21-250	254.0	185	10
J21-300	305.0	250	10
J21-350	356.0	300	10
J21-400	406.0	350	10
J21-450	457.0	914	5
J21-500	508.0	1016	5

TPR

TPR - THERMOPLASTIC RUBBER:



Color: Black with rigid steel spiral.

Working Temp: -50°C to 90°C

Features: A medium weight thermoplastic rubber (TPR) hose, reinforced with a steel spring wire helix. Excellent flexibility and compressibility, moderate abrasion resistance. Able to handle higher temperatures than standard PVC hose.

Applications: A low pressure fume and air extraction hose. Light material handling.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J20-050	51.0	40	10
J20-057	57.0	55	10
J20-063	63.0	55	10
J20-075	76.0	65	10
J20-090	89.0	75	10
J20-100	102.0	85	10
J20-114	114.0	90	10
J20-125	127.0	105	10
J20-140	140.0	125	10
J20-150	152.0	125	10
J20-160	160.0	130	10
J20-180	180.0	150	10
J20-200	203.0	165	10
J20-230	228.0	185	10
J20-250	254.0	210	10
J20-300	305.0	250	10
J20-350	356.0	300	10
J20-400	406.0	350	10

FRS - FABRIC REINFORCED TPR:



Color: Black with rigid steel spiral.

Working Temp: -40°C to 140°C

Features: Flexible duct made of coated PP/EPDM, fabric reinforced.

Applications: Suction and discharge of abrasive powder, fumes, shavings, vapours in high temperature industrial applications.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J42-050	51.0	40	10
J42-057	57.0	55	10
J42-063	63.0	55	10
J42-075	76.0	65	10
J42-090	89.0	75	10
J42-100	102.0	85	10
J42-114	114.0	90	10
J42-125	127.0	105	10
J42-140	140.0	125	10
J42-150	152.0	125	10
J42-160	160.0	130	10
J42-180	180.0	150	10
J42-200	203.0	165	10
J42-230	228.0	185	10
J42-250	254.0	210	10
J42-300	305.0	250	10

Flexaust HT:



Color: Black with rigid steel spiral.

Working Temp: -40°C to 135°C

Features: Flexaust HT is a heavy wall thermoplastic rubber hose with a spring steel wire helix reinforcement.

Applications: Suction and discharge of abrasive products and liquids.

Product Code	ID (mm)	Bend Radius (mm)	Coil Length (mt)
J39-075	76.2	108	7.6
J39-100	101.6	121	7.6
J39-125	127.0	127	7.6
J39-150	152.4	133	7.6
J39-180	177.8	152	7.6
J39-200	203.2	175	7.6
J39-250	254.0	203	7.6
J39-300	304.8	254	7.6

Note: Other Flexaust Ducting available, please contact sales staff.



POLYURETHANE DUCTING

VOLCANO PUR:



Color: Translucent with coppered steel spiral.

Working Temp: -40°C to 90°C

Features: PU hose reinforced with a coppered steel spiral. Considerable mechanical features. Very light & flexible. It allows a high resistance against abrasion and bending, thanks to the PU features, which are 5 times superior to normal PVC. Weather resistant, suitable for most chemicals.

Applications: Suction and discharge of abrasive powders, fumes, shavings, vapours and for heavy industrial and abrasive applications.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J18-050	51.0	40	20
J18-075	76.0	65	20
J18-100	102.0	85	15
J18-125	127.0	105	15
J18-150	152.0	125	15
J18-180	180.0	150	15
J18-200	203.0	165	15

VOLCANO PUM:



Color: Translucent with coppered steel spiral.

Working Temp: -40°C to 90°C

Features: Very high resistance to abrasion and flexible. Resistant to vapours and mechanical stress

Applications: For use with abrasive solids, fluids and gases aggressive vapours and highly abrasive granuals.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J10-050	50.8	40	20
J10-063	63.0	55	20
J10-075	76.0	65	20
J10-100	102.0	85	15
J10-125	127.0	105	15
J10-150	152.0	125	15
J10-180	180.0	150	15
J10-200	203.0	165	15
J10-250	254.0	210	10
J10-300	305.0	250	10

VOLCANO PUH:



Colour: Translucent with coppered steel spiral.

Working Temp: -40°C to 90°C

Features: PU hose reinforced with a coppered steel spiral. **Heavy duty version.** Considerable mechanical features. Very flexible. It allows a high resistance against abrasion and bending, thanks to the PU features, which are 5 times superior to normal PVC. Weather resistant, suitable for most chemicals.

Applications: Suction and discharge of abrasive powders, fumes, shavings, vapours and for heavy duty industrial and abrasive applications.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J17-038	40.0	50	20
J17-050	51.0	60	20
J17-075	76.0	90	20
J17-100	102.0	120	15
J17-125	127.0	150	15
J17-150	152.0	170	15
J17-180	180.0	210	15
J17-200	203.0	230	15

POLYURETHANE DUCTING

EOLO PU:



Colour: Clear transparent with ivory spiral.

Working Temp: -20°C to 80°C

Features: PU hose reinforced with anti-shock rigid PVC spiral, inside surface smooth, outside corrugated. Considerable mechanical features. Very light and flexible. It allows a high resistance against abrasion and bending due to polyurethane characteristics (5 times superior to normal PVC). Weather resistant, suitable for most chemicals.

Applications: Suction and discharge of abrasive powders, fumes, shavings, vapours and for heavy duty industrial and abrasive applications.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J14-025	25.0	30	20
J14-030	30.0	35	20
J14-032	32.0	35	20
J14-035	35.0	45	20
J14-038	38.0	50	20
J14-040	40.0	60	20
J14-045	45.0	65	20
J14-050	50.0	70	20
J14-055	55.0	75	20
J14-063	63.0	80	20
J14-070	70.0	95	30
J14-075	76.0	100	30
J14-080	80.0	110	30
J14-090	90.0	125	30
J14-100	102.0	140	30
J14-110	110.0	150	30
J14-125	127.0	170	30
J14-140	140.0	180	20
J14-150	152.0	200	20
J14-160	160.0	220	20
J14-180	180.0	250	20
J14-200	203.0	260	20
J14-250	250.0	300	20
J14-300	305.0	350	10

EOLO PU A/S:



Colour: Clear transparent with ivory spiral.

Working Temp: -20°C to 80°C

Features: PU hose reinforced with anti-shock rigid PVC spiral, inside surface smooth, outside corrugated. Considerable mechanical features. Very light and flexible. It allows a high resistance against abrasion and bending due to polyurethane characteristics (5 times superior to normal PVC). Weather resistant, suitable for most chemicals. Has anti-static wire incorporated externally.

Applications: Suction and discharge of abrasive powders, fumes, shavings, vapours and for heavy duty industrial and abrasive applications.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J11-032	32.0	35	20
J11-038	38.0	50	20
J11-045	45.0	65	20
J11-050	51.0	70	20
J11-055	55.0	75	20
J11-063	63.0	80	20
J11-075	76.0	100	30
J11-080	80.0	110	30
J11-090	90.0	125	30
J11-100	102.0	140	30
J11-125	127.0	170	30
J11-140	140.0	180	20
J11-150	152.0	200	20
J11-180	180.0	250	20
J11-200	203.0	260	20
J11-250	254.0	300	20
J11-300	305.0	350	10

SPECIAL APPLICATION

EOLO TR:



Color: Grey

Working Temp: -20°C to 100°C

Axial compressibility: 8:1

Features: Flexible ducting hose made in coated PVC, flame-resistant, textile fabric reinforced with a steel helix welded between the two fabric layers.

Applications: Civil and naval conditioning plants, ventilation systems, suction of smokes, fumes, powders, gas.

TUFLEX:



Color: Dark Grey.

Working Temp: -30°C to 120°C

Features: Constructed of calico material with neoprene rubber coating.

Applications: Light weight ducting able to with stand temperatures up to 120°C

Note: Other sizes available, please contact sales staff.

MINEFLEX:



Hard rock mine & Tunnel Ventilation

Mineflex is constructed with yellow Polyethylene woven fabric. As the name "Flex" indicates, this product has a wire spiral helix which provides flexibility and avoids kinking. The joining mechanism is the skirt connecting method consisting of eyelets and a sleeve enabling connection with Mineflat. This product is also available in fire resistant polyethylene woven fabric.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J13-040	40.0	20	10
J13-050	51.0	26	10
J13-060	60.0	30	10
J13-075	76.0	38	10
J13-090	90.0	45	10
J13-100	102.0	51	10
J13-110	112.0	55	10
J13-125	127.0	64	10
J13-140	140.0	70	10
J13-150	152.0	76	10
J13-160	160.0	80	10
J13-180	180.0	90	10
J13-200	203.0	102	10
J13-230	228.0	114	10
J13-250	254.0	127	10
J13-300	305.0	153	10
J13-350	356.0	178	10
J13-400	406.0	203	10

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J05-050	51	102	10
J05-063	63	126	10
J05-075	76	152	10
J05-100	102	204	10
J05-125	127	254	10
J05-150	152	304	10
J05-200	203	406	10
J05-250	254	508	10
J05-300	305	610	10
J05-350	356	712	5

Product Code	I.D (mm)	Coil Length (mt)
J06-300	300	5, 10
J06-355	355	5, 10
J06-400	400	5, 10
J06-500	500	5, 10
J06-610	610	5, 10
J06-710	710	5, 10
J06-810	810	5, 10
J06-910	910	5, 10
J06-1067	1067	5, 10
J06-1220	1220	5, 10
J06-1400	1400	5, 10

Note: Other sizes available, please contact sales staff.

SPECIAL APPLICATION

ABRASAFLEX:



Color: Black.

Working Temp: -30°C to 120°C

Features: Constructed from neoprene rubber coated polyester fabric with a natural rubber lining and reinforced with a spring wire helix.

Applications: Heavy duty gravity fed abrasive materials.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J08-050	51	102	5
J08-063	63	126	5
J08-075	76	152	5
J08-100	102	204	5
J08-125	127	254	5
J08-150	152	304	5
J08-200	203	406	5
J08-250	254	508	5
J08-300	305	610	5
J08-350	356	712	5

Note: other sizes and 10mtr lengths available, please contact sales staff.

FLEXAUST FLEX LOK NPB:



Color: Black.

Working Temp: -53°C to 120°C

Features: Single-ply neoprene coated polyester fabric hose construction mechanically crimped in continuous process. Outstanding resistance to external abrasion. Extremely flexible and easily compressed.

Applications: Recommended for fume control applications.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J60-075	76.2	64	7.6, 10
J60-100	101.6	76	7.6, 10
J60-125	127.0	89	7.6, 10
J60-150	152.4	102	7.6, 10
J60-180	177.8	127	7.6, 10
J60-200	203.2	140	7.6, 10
J60-230	228.6	160	5, 7.6
J60-250	254.0	179	5, 7.6
J60-300	304.8	216	5, 7.6

Note: Other Flexaust Ducting available, please contact sales staff.

STRIP WOUND STAINLESS STEEL:



Features: A flexible, durable Stainless steel AISI 304 hose which is capable of accepting axial and torsional movements

Applications: Used in commercial and industrial applications for engine exhaust

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
SW-SS-025	25.0	200	3, 9
SW-SS-032	32.0	230	3, 9
SW-SS-038	38.0	250	3, 9
SW-SS-045	45.0	280	3, 9
SW-SS-050	51.0	300	3, 9, 15
SW-SS-057	57.0	312	3, 9
SW-SS-063	63.0	330	3, 9, 15
SW-SS-070	70.0	406	3
SW-SS-075	76.0	406	3, 9
SW-SS-090	89.0	460	3, 9
SW-SS-100	102.0	500	3, 9, 15
SW-SS-114	114.0	500	3, 9
SW-SS-125	127.0	525	3, 9
SW-SS-150	152.0	525	3, 9, 15
SW-SS-180	178.0	535	3
SW-SS-200	203.0	560	3, 9
SW-SS-250	254.0	573	3



HIGH TEMP

FLEX LOK SF:



Color: Silver.

Working Temp: -53°C to 286°C

Features: .Single-ply silicone coated fiberglass fabric hose construction mechanically crimped in continuous process. Outstanding resistance to external abrasion. Extremely flexible and easily compressed.

Applications: Recommended for fume control applications.

Product Code	I.D (mm)	Bend Radius (mm)	Coil Length (mt)
J61-075	76.2	57	7.6
J61-100	101.6	76	7.6
J61-125	127.0	89	7.6
J61-150	152.4	102	7.6
J61-180	177.8	127	7.6
J61-200	203.2	140	7.6
J61-250	254.0	178	7.6
J61-300	304.8	216	7.6

Note: Other Flexaust Ducting available, please contact sales staff.

FLEXAUST CWGS:



Color: Iron Oxide Red

Working Temp: -55°C to 290°C

Features: Constructed of single ply silicone coated fibreglass and reinforced with an encapsulated spring steel wire for crush resistance. Handles high and low pressures.

Applications: For hot air and fume applications.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J28-050	50.8	36	7.6
J28-063	63.5	46	7.6
J28-075	76.2	53	7.6
J28-100	101.6	67	7.6
J28-125	127.0	84	7.6
J28-150	152.4	94	7.6
J28-200	203.2	124	7.6

Note: Other Flexaust Ducting available, please contact sales staff.

HIGH TEMP W:



Color: Beige

Working Temp: -0°C to 225°C

Features: Constructed from PTFE teflon coated glass cloth crimped by a helically wound steel strip.

Applications: For hot air and fume applications.

Product Code	I.D. (mm)	Bend Radius (mm)	Coil Length (mt)
J07-050	51	102	10
J07-075	76	152	10
J07-100	102	204	10
J07-125	127	254	10
J07-150	152	304	10
J07-180	178	356	10
J07-200	203	406	10
J07-230	229	458	10
J07-250	254	508	10
J07-300	305	610	10
J07-350	356	712	5



DOMESTIC

COMMERCIAL



CUFFS



JOINERS



AUTOMATIC



POOL & CARPET HOSE

**240... BARFELL POOL HOSE
CUFFS AND JOINERS**



241... WAM POOL HOSE

**242... CARPET CLEANING
SUPER TM**



All dimensions and weights are nominal and subject to change.

BARFELL POOL HOSE

POOLSIDE:



Designed for the homeowner who wants outstanding features in a lighter weight hose at a competitive price. All hoses fitted with the appropriate cuffs.

Product Code	I.D. (mm)	Box Qty (mt)
B18-3209	32.0	9
B18-3211	32.0	11
B18-3811	38.0	11
B18-3815	38.0	15

BARVAC:



Designed for the pool proud owner who wants the ultimate in pool hoses. Barvac is also used extensively by pool service companies. All hoses fitted with the appropriate cuffs.

Product Code	I.D. (mm)	Box Qty (mt)
B17-3811	38.0	11
B17-3815	38.0	15

AUTOVAC:



Designed for use with automatic pool cleaning devices which demand high flexibility and durability. The smooth bore reduces friction and turbulence which improves cleaning efficiency.

Product Code	I.D. (mm)	Box Qty (mt)
B19-3812	38.0	12
B19-3815	38.0	15

CUFFS AND JOINERS



CUFFS:

Product Code	Size Hose x Flute
B14-032	32 x 32
B14-035	32 x 38
B14-039	38 x 32
B14-038	38 x 38
B14-040	50 x 38
B14-050	50 x 50

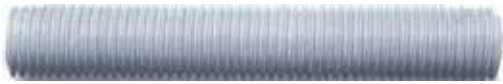


JOINERS:

Product Code	Size Flute x Flute
B15-032	32 x 32
B15-035	38 x 32
B15-038	38 x 38
B15-040	50 x 38
B15-050	50 x 50

WAM POOL HOSE

AUTOMATIC:



A special combination of hoses developed specifically for use with Automatic Pool Cleaners. Compatible to most automatic pool cleaners.

Product Code	I.D. (mm)	Colour	Coil Length (mt)
B33-038	38.0	Light Blue	90 (approx.)

STANDARD:



An economical hose for general purpose use.

Product Code	I.D. (mm)	Colour	Coil Length (mt)
B31-032	32.0	Blue	120 (approx.)
B31-038	38.0	Blue	90 (approx.)

UNIVERSAL LENGTHS/STOW-AWAY:



The universal hose has been formulated to work with both hand held and automatic pool cleaning devices. Conveniently manufactured in one metre lengths, these hose units can be clipped together for a continuous length of any requirements. After use or during winter months, unclip the sections for easy storage.



Product Code	I.D. (mm)	Colour	Hose Length	Carton Qty
B34-038	38.0	White	1 metre	36

COMMERCIAL:



A strong durable hose for contractors, heated and public pools. This hose is designed to withstand high suction from powerful pumps, and give good service in rugged conditions.

Product Code	I.D. (mm)	Colour	Coil Length (mt)
B32-038	38.0	Blue / Black	90 (approx.)
B32-050	50.0	Blue / Black	60 (approx.)

CARPET CLEANING

PROVAC:



Suitable for commercial carpet steam cleaning machines, resistant to chemicals and abrasion. Will not mark walls or furniture. UV resistant.

Color - grey.

Product Code	I.D. (mm)	O.D. (mm)	Weight (Kg/mt)	Bend Rad. (mm)	Coil Length (mt)
B12-038	38.0	48.5	0.40	90	20
B12-050	50.0	67.5	0.95	110	20

DOMESTIC VAC:



Suitable for portable vacuum cleaners and ducted vacuum systems. Extremely flexible, will not mark walls or furniture. UV resistant.

Color - beige.

Product Code	I.D. (mm)	O.D. (mm)	Weight (Kg/mt)	Bend Rad. (mm)	Coil Length (mt)
B13-032	32.0	40.0	0.28	70	20

SUPER TM

SUPER TM:



Highest quality carpet cleaning hose. Has a wide temperature range (-40 to 160°C). A two-part construction of polyethylene. Has excellent flow characteristics, minimizing pressure drops and prevents clogging.

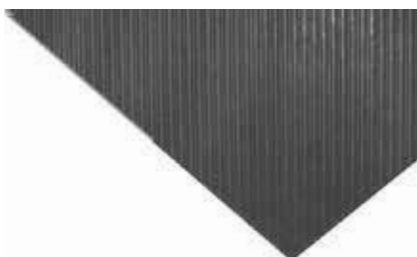
Size	Product Code	Colour
38mm	B16-038	Orange
50mm	B16-050	Orange
38mm	B16-038B	Blue
50mm	B16-050B	Blue



NATURAL



MATTING



INSERTION



SPONGE



FOAM



SELF
ADEHESIVE

RUBBER SHEETING

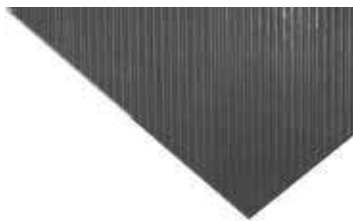
246... INSERTION RUBBER

246... PLATE RUBBER

246... RIBBED MATTING

247... EPDM SPONGE

247... SELF-ADHESIVE FOAM



All dimensions and weights are nominal and subject to change.

SHEET PRODUCTS



Sheet rubber products can be utilised for various applications ranging from gasket cutting to vehicle mud flaps. Sheet rubber is available with inserted fabric plies between the rubber layers to limit lineal expansion.

Sheet rubber materials stocked are:

Natural- Excellent physical properties, good abrasion resistance. Not suitable for non-polar liquids such as mineral oils and hydrocarbons.

Neoprene- Excellent weather resistance, good physical properties. Flame retardant, and good oil resistance.

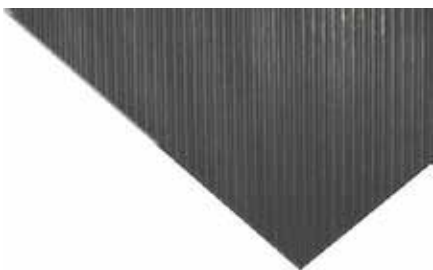
INSERTION RUBBER:

Product Code	Rubber Compound	Thickness (mm)	Plies	Width (mt)	Weight (Kg/mt)	Roll Length (mt)
S01-008	Natural	0.8	1	1.20	1.22	10
S01-015	Natural	1.5	1	1.20	2.30	10
S01-030	Natural	3.0	1	1.20	4.57	10
S01-035	Natural	3.0	2	1.20	4.57	10
S01-040	Natural	4.5	1	1.20	6.86	10
S01-045	Natural	4.5	2	1.20	6.86	10
S01-060	Natural	6.0	2	1.20	9.14	10
S01-095	Natural	9.5	2	1.20	14.48	10

PLATE RUBBER:

Product Code	Rubber Compound	Thickness (mm)	Plies	Width (mt)	Weight (Kg/mt)	Roll Length (mt)
S03-015	Natural	1.5	0	1.20	2.30	10
S03-030	Natural	3.0	0	1.20	4.57	10
S03-045	Natural	4.5	0	1.20	6.86	10
S03-060	Natural	6.0	0	1.20	9.14	10
S04-015	Neoprene	1.5	0	1.20	2.30	10
S04-030	Neoprene	3.0	0	1.20	4.57	10
S04-045	Neoprene	4.5	0	1.20	6.86	10

****NOTE:** Other sheet rubber materials available, please contact our sales staff.



RIBBED MATTING:

Product Code	Rubber Compound	Thickness (mm)	Rib Section	Width (mt)	Weight (Kg/mt)	Roll Length (mt)
S05-1235	Natural	3.0	Fine	1.20	5.67	10
S05-1550	Natural	5.0	Fine	1.50	11.80	10
S05-1850	Natural	5.0	Fine	1.80	14.15	10

This versatile natural rubber matting is available in a number of different non-slip finishes and thickness.

Ideal for industrial and domestic use:

- Walkways
- Behind counters and bars
- Utility tray liner
- Around work bench areas

RUBBER STRIP

EPDM SPONGE:



EPDM extruded sponge rubber. Suitable for general closure and sealant applications including marine, automotive, refrigeration, air-conditioning, truck cabs and body seals. This product is not self-adhesive but can be easily glued into position. Other styles and shapes are available on request.

Colour: Black.

Compound: EPDM sponge.

Construction: Closed cell, full skin, firm rubber.

Product Code	Section (mm)	Coil Length (mt)
450-1206	13 x 06	30
450-1210	13 x 10	30
450-1212	13 x 13	30
450-2010	19 x 10	30
450-2012	19 x 13	30
450-2020	19 x 19	30
450-2510	25 x 10	30
450-2512	25 x 13	30
450-2520	25 x 19	30
450-2525	25 x 25	30
450-3206	32 x 6	30
450-3210	32 x 10	30
450-3219	32 x 19	30
450-3225	32 x 25	30
450-3806	38 x 6	30
450-3812	38 x 12	30
450-3820	38 x 19	30
450-3825	38 x 25	30
450-5012	50 x 13	30
450-5020	50 x 19	30
450-5025	50 x 25	30

SELF-ADHESIVE FOAM:



Self-adhesive foam tape sealant in EPDM or Nitrile. Suitable for general closure and sealant applications including marine, automotive, refrigeration, air-conditioning, truck cabs and body seals. Other styles of adhesive foam tape available on request.

Colour: Black.

Compound: EPDM or Nitrile.

Construction: Closed cell, dual skin, firm rubber.

Width (mm): From 9mm to 1200mm available on request, refer to the table for standard stocked widths.

Product Code EPDM	Product Code Nitrile	Section (mm)	Coil Length (mt)
451-0312	451N-0312	3 x 12	25.0
451-0318	451N-0318	3 x 18	25.0
451-0324	451N-0324	3 x 24	25.0
451-0336	451N-0336	3 x 36	25.0
451-0350	451N-0350	3 x 50	25.0
451-0612	451N-0612	6 x 12	12.5
451-0618	451N-0618	6 x 18	12.5
451-0624	451N-0624	6 x 24	12.5
451-0636	451N-0636	6 x 36	12.5
451-0650	451N-0650	6 x 50	12.5
451-0918	451N-0918	9 x 18	8.0
451-0924	451N-0924	9 x 24	8.0
451-0936	451N-0936	9 x 36	8.0
451-0950	451N-0950	9 x 50	8.0
451-1218	451N-1218	12 x 18	7.0
451-1224	451N-1224	12 x 24	7.0
451-1236	451N-1236	12 x 36	7.0
451-1250	451N-1250	12 x 50	7.0



TECHNICAL DATA

- 250... STAMPED**
- 251... METRIC TO IMPERIAL CONVERSION**
- 252... CONVERSION CONSTANTS**
- 253... PRESSURE CONVERSION**
- 254... TEMPERATURE CONVERSION**
- 255... THREAD SPECIFICATIONS**
- 256... FLANGE DIMENSIONS**
- 257 PVC HOSE CHEMICAL RESISTANCE**
to
258
- 259... BARFLO CHEMICAL RESISTANCE**
- 260... COMPOUNDS USED IN RUBBER HOSE**
- 261 RUBBER HOSE CHEMICAL RESISTANCE**
to
267
- 268 CORROSION RESISTANCE OF COUPLING**
to
273

STAMPED

SIZE:

I.D	
O.D	
Hose Length (OAL or uncpld lgth)	
Tolerances	

TEMPERATURE:

Of Material Being Conveyed	
Of Outside Exposure	
Intermittent?	
Constant?	
Sub-zero Exposure?	

APPLICATIONS:

Indoor/Outdoor Use	
Intermittent or Continuous Use	
Flexibility Required (min. Bend Radius)	
Movement (Static, Vibrations, Flexing)	
External Conditions: Abrasion	
Oil	
Solvents	
Acid	
Ozone	
Electric / Static Conductive	
Oil Resistance: Tube	
Cover	
Flame Resistance	
Noncontaminating Materials	
Hose Currently In Use	
Current Hose Service Life/Failure Info	
Service Life Desired	

MATERIALS BEING CONVEYED:

Solids (Size, Description)	
Gaseous (Volatility, Inert)	
Liquids (Flammability, Causticity, Acidity, Concentration)	
Chemical Names (Generic)	

PRESSURES:

Working Pressure (including surges)	
Burst Pressure	
Suction or Vacuum Requirements	
Velocity	
Impulse	

ENDS & FITTINGS:

Factory Applied Fittings: Thread Types	
Male/Female	
Reusable/Non-reusable	
Material for Fittings	
Built In Fittings: Beaded	
Flanged	
Rubber-Lined	
Other	
Cut To Length	
Crimp Specs / Crimper (Hydraulics)	

DELIVERY:

Leadtime	
Quantity	
Stock/Nonstock	
Special Print	
Special Packaging	
Crimp Specs / Crimper (Hydraulics)	

OTHER INFORMATION:

Customer:	Date:	
Customer #:		
Ship To:		
Bill To:		
Telephone #:	Fax #:	

METRIC TO IMPERIAL CONVERSION

Metric Size mm	Imperial Size Inch
1	-
1.59	1/16
2	-
2.38	3/32
3	-
3.18	1/8
3.97	5/32
4	-
4.76	3/16
5	-
5.56	7/32
6	-
6.35	1/4
7	-
7.14	9/32
7.94	5/16
8	-
8.73	11/32
9	-
9.53	3/8
10	-
10.32	13/32
11	-
11.11	7/16
11.91	15/32
12.7	1/2
13	-
13.49	17/32
14	-
14.29	9/16
15	-
15.08	19/32
15.88	5/8
16	-
16.67	21/32
17	-
17.46	11/16
18	-

Metric Size mm	Imperial Size Inch
18.26	23/32
19	-
19.05	3/4
19.84	25/32
20	-
20.64	13/16
21	-
21.43	27/32
22	-
22.22	7/8
23	-
23.02	29/32
23.81	15/16
24	-
24.61	31/32
25	-
25.4	1
26	-
26.99	1-1/16
27	-
28	-
28.58	1-1/8
29	-
30	-
30.16	1-3/16
31	-
31.75	1-1/4
32	-
33	-
33.34	1-5/16
34	-
34.93	1-3/8
35	-
36	-
36.51	1-7/16
37	-
38	-
38.1	1-1/2

Metric Size mm	Imperial Size Inch
39	-
39.69	1-9/16
40	-
41	-
41.28	1-5/8
42	-
42.86	1-11/16
43	-
44	-
44.45	1-3/4
45	-
46	-
46.04	1-13/16
47	-
47.63	1-7/8
48	-
49	-
49.21	1-15/16
50	-
50.8	2
53.98	2-1/8
55	-
57.15	2-1/4
60	-
60.33	2-3/8
63.5	2-1/2
65	-
66.68	2-5/8
69.85	2-3/4
70	-
73.03	2-7/8
75	-
76.2	3
80	-
82.55	3-1/4
85	-
88.9	3-1/2
90	-

Metric Size mm	Imperial Size Inch
95	-
95.25	3-3/4
100	-
101.6	4
105	-
107.95	4-1/4
110	-
114.3	4-1/2
115	-
120	-
120.65	4-3/4
125	-
127	5
130	-
133.35	5-1/4
135	-
139.7	5-1/2
146.05	5-3/4
150	-
152.4	6
158.75	6-1/4
160	-
165.1	6-1/2
170	-
171.45	6-3/4
177.8	7
190.5	7-1/2
203.2	8
241.3	9-1/2
254	10
279.4	11
304.8	12
330.2	13
355.6	14
381	15
406.4	16
431.8	17
457.2	18



CONVERSION CONSTANTS

LENGTH:

<u>METRIC TO U.S.</u>	<u>U.S. TO METRIC</u>
Millimeters x 0.03937 = inches	Inches x 25.4001 = millimeters
Meters x 39.7 = inches	Inches x 0.0254 = meters
Meters x 3.2808 = feet	Feet x 0.3048 = meters
Meters x 1.09361 = yards	Yards x 0.9144 = meters
Kilometers x 3280.8 = feet	Feet x 0.0003048 = kilometers
Kilometers x 0.62137 = statute miles	Statute miles x 1.60935 = kilometers
Kilometers x 0.53959 = nautical miles	Nautical miles x 1.85325 = kilometers

WEIGHT:

<u>METRIC TO U.S.</u>	<u>U.S. TO METRIC</u>
Grams x 981 = dynes	Dynes x 0.0010193 = grams
Grams x 15.432 = grains	Grains x 0.0648 = grams
Grams x 0.03527 = ounces (avd)	Ounces (avd) x 28.35 = grams
Grams 0.033818 = fluid ounces (water)	Fluid ounces (water) x 29.57 = grams
Kilograms x 35.27 = ounces (avd)	Ounces (avd) x 0.02835 = kilograms
Kilograms x 2.20462 = pounds (avd)	Pounds (avd) x 0.45359 = kilograms
Metric tons (1000kg) x 1.10231 = net tons (2000lbs)	Net ton (2000lbs) x 0.90719 = metric tons (1000kg)
Metric tons (1000kg) x 0.987421 = gross tons (2240lbs)	Gross ton (2240lbs) x 1.101605 = metric tons (1000kg)

AREA:

<u>METRIC TO U.S.</u>	<u>U.S. TO METRIC</u>
Square millimeters x 0.00155 = square inches	Square inches x 645.163 = square millimeters
Square centimeters x 0.155 = square inches	Square inches x 6.45163 x square centimeters
Square meters x 10.76387 = square feet	Square feet x 0.0929 = square meters
Square meters x 1.19599 = square yards	Square yards x 0.83613 = square meters
Hectares x 2.47104 = acres	Acres x 0.40469 = hectares
Square kilometers x 247.104 = acres	Acres x 0.0040469 = square kilometers
Square kilometers x 0.3861 = square miles	Square miles x 2.5899 = square kilometers

VACUUM:

<u>ATM</u>	<u>PSI</u>	<u>WATER</u>		<u>MERCURY</u>		<u>%</u>
		(M)	(ft)	(mm)	(Inches)	
0.1	1.4	1	3' 3 3/8"	73.6	2.9"	10
0.2	2.8	2	6' 6 3/4"	147.1	5.8"	20
0.3	4.2	3	9' 10 1/8"	220.7	8.7"	30
0.4	5.7	4	13' 1 1/2"	294.2	11.6"	40
0.5	7.1	5	16' 4 13/16"	367.8	14.5"	50
0.6	8.5	6	19' 8 3/16"	441.3	17.4"	60
0.7	10.0	7	22' 11 9/16"	514.9	20.3"	70
0.8	11.4	8	26' 2 15/16"	588.4	23.2"	80
0.9	12.8	9	29' 6 3/8"	662.0	26.0"	90
1.0	14.2	10	32' 9 11/16"	735.5	29.0"	100

PRESSURE CONVERSION

<u>Kilopascals</u>	<u>Megapascals</u>	<u>BAR</u>	<u>Kilograms per Square Centimeter</u>	<u>Lbs Per Square Inch</u>
Kpa	Mpa	Bar	KGT/CM2	PSI
100	0.1	1	1.02	14.5
200	0.2	2	2.04	29.0
300	0.3	3	3.06	43.5
400	0.4	4	4.08	58.0
500	0.5	5	5.10	72.5
600	0.6	6	6.12	87.0
700	0.7	7	7.14	101.5
800	0.8	8	8.16	116.0
900	0.9	9	9.18	130.5
1000	1.0	10	10.2	145.0
2000	2.0	20	20.4	290.1
3000	3.0	30	30.6	435.1
4000	4.0	40	40.8	580.2
5000	5.0	50	51.0	725.2
6000	6.0	60	61.2	870.2
7000	7.0	70	71.4	1015.3
8000	8.0	80	81.6	1160.3
9000	9.0	90	91.8	1305.3
10000	10.0	100	102.0	1450.0
20000	20.0	200	204.0	2901.0
30000	30.0	300	306.0	4351.0
40000	40.0	400	408.0	5802.0
50000	50.0	500	510.0	7252.0
60000	60.0	600	612.0	8702.0
70000	70.0	700	714.0	10153.0
80000	80.0	800	816.0	11603.0
90000	90.0	900	918.0	13053.0
100000	100.0	1000	1020.0	14504.0
		1mtr Head = 10 kpa		



TEMPERATURE CONVERSION

Look up the reading in the middle column. If in degrees Centigrade, read the Fahrenheit equivalent in right-hand column; if in Fahrenheit degrees, read Centigrade equivalent in the left-hand column

C	READING	F
-51	-60	-76
-46	-50	-58
-40	-40	-40
-34	-30	-22
-29	-20	-4
-23	-10	14
-17.8	0	32
-17.2	1	3.8
-16.2	2	35.6
-16.2	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6

C	READING	F
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86.0
-0.6	31	87.8
0	32	89.6
0.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
7.2	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	1020.2
10.0	50	122.0
10.6	51	123.8

C	READING	F
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0

C	READING	F
27.2	81	177.8
27.8	82	179.6
28.3	83	181.4
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43	110	230
49	120	248
54	130	266
60	140	284
66	150	302
71	160	320
77	170	338
82	180	356

THREAD SPECIFICATIONS

NOMINAL DIMENSIONS OF STANDARD THREADS

SIZE	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
NPT TPI	27	18	18	14	14	11.5	11.5	11.5	11.5	8	8	8	8
BSPT TPI	28	19	19	14	14	11	11	11	11	11	11	11	11
BSPP TPI	-	-	-	-	-	11	11	-	11	11	11	-	-

NPT - National Pipe Tapered, BSPT- British Standard Pipe Taper, BSPP -British Standard Pipe Parallel, TPI - Threads per Inch

FITTINGS THREAD SUMMARY

STEEL FITTINGS	STAINLESS STEEL FITTINGS	GALVANISED MALLEABLE FITTINGS
----------------	--------------------------	-------------------------------

	UNIONS	SOCKETS	OTHER FITTINGS	UNIONS	SOCKETS	OTHER FITTINGS	UNIONS	SOCKETS	OTHER FITTINGS
FEMALE	SEALING TAPER (RC)	SEALING PARALLEL (RP)	SEALING PARALLEL (RP)	FASTENING (G)	FASTENING (G)	FASTENING (G)	SEALING PARALLEL (RP)	SEALING PARALLEL (RP)	SEALING PARALLEL (RP)
MALE	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)	SEALING TAPER (R)

VALVE THREAD SUMMARY

	DR BRASS BALL VALVE	GAS BALL VALVES	GENERAL PURPOSE BALL VALVES	GATE VALVES	CHECKS AND STRAINERS	
					GENERAL PURPOSE STEEL	STAINLESS
FEMALE	SEALING TAPER (RC)	SEALING PARALLEL (RP)	FASTENING PARALLEL (RP)	SEALING PARALLEL (RP)	FASTENING PARALLEL (G)	FASTENING (G)
MALE	SEALING TAPER (R)	SEALING TAPER (R)	FASTENING (GB)	N/A	N/A	N/A

- External Thread - Series R (External taper pipe thread)
- External Thread - Series RL (External parrallel long screw thread)
- Internal Thread - Series RC (Internal taper pipe thread)
- Internal Thread - Series RP (Internal parallel pipe thread)



FLANGE DIMENSIONS

NOM. BORE (MM)		DIAMETER OF FLANGE	BOLT CIRCLE DIAMETER	NUMBER OF BOLTS	DIAMETER OF BOLTS	DIAMETER OF HOLES	THICKNESS OF FLANGE
15	D	95	67	4	13	14	12
	E	95	67	4	13	14	12
	H	114	83	4	16	17.5	13
20	D	102	73	4	13	14	12
	E	102	73	4	13	14	12
	H	114	83	4	16	17.5	13
25	D	114	83	4	13	14	12
	E	114	83	4	13	14	12
	H	121	87	4	16	17.5	14
32	D	121	87	4	13	14	12
	E	121	87	4	13	14	12
	H	133	98	4	16	17.5	17
40	D	133	98	4	13	14	12
	E	133	98	4	13	14	12
	H	140	105	4	16	17.5	17
50	D	152	114	4	16	17.5	12
	E	152	114	4	16	17.5	12
	H	165	127	4	16	17.5	19
65	D	165	127	4	16	17.5	12
	E	165	127	4	16	17.5	12
	H	184	146	8	16	17.5	19
80	D	184	146	4	16	17.5	12
	E	184	146	4	16	17.5	12
	H	216	178	8	16	17.5	22
100	D	216	178	4	16	17.5	12
	E	216	178	8	16	17.5	13
	H	229	191	8	16	17.5	25
125	D	254	210	8	16	17.5	13
	E	254	210	8	16	17.5	14
	H	279	235	8	19	22	29
150	D	279	235	8	16	17.5	13
	E	279	235	8	19	22	17
	H	305	260	12	19	22	29
200	D	337	292	8	16	17.5	13
	E	337	292	8	19	22	19
	H	368	324	12	19	22	32
250	D	406	356	8	19	22	16
	E	406	356	12	19	22	22
	H	432	381	12	22	25	35
300	D	457	406	12	19	22	19
	E	457	406	12	22	25	25
	H	489	438	16	22	25	41

EQUIVALENTS (approximate)

MM	INCH
15	1/2
20	3/4
25	1
32	1 1/4
40	1 1/2
50	2
65	2 1/2
80	3
100	4
125	5
150	6
200	8
250	10
300	12



P.V.C. HOSE CHEMICAL RESISTANCE

Plasticisers are incorporated in PVC compounds so as to confer flexibility and softness. Plasticised compounds can cover a very wide range of flexibility and softness and will also differ in other respects eg: tensile strength and resilience, according to the type and/or amount of plasticiser(s) used. For example, the type of plasticiser used will affect chemical resistance, but in this note, it has been assumed that a commonly used, fairly resistant plasticiser such as dioctyl phthalate (DOP) would be present.

The amount of plasticiser incorporated will also effect the chemical resistance, an increase in plasticiser content leading to the deterioration in chemical resistance because the plasticiser is less resistant to attack than is the PVC. The chemical resistance to be expected from plasticised PVC when DOP is used as the plasticiser is summarised in the following paragraphs.

ACIDS AND ALKALIS

Dilute acids and alkalis have little effect at room temperature, but at elevated temperatures some hydrolysis and extraction of plasticiser may occur. Concentrated acids and alkalis hydrolyse plasticisers slowly in the cold and more rapidly when heated.

ORGANIC LIQUIDS

The main effect of organic liquids on plasticised PVC is to extract the plasticiser and this results in some hardening, particularly when PVC is removed from contact with the liquid. The compound may become rigid and less tough. Most organic solvents will extract plasticiser and give rise to these effects, but with aromatic and chlorinated hydrocarbons, aliphatic and cyclic ethers, this plasticiser extraction is accompanied by a softening of the PVC and the overall effect is difficult to predict.

With certain solvents too, plasticiser extracted is replaced by the solvent so that the compound remains flexible provided it remains in contact with that liquid. On allowing the solvent to evaporate the material will stiffen and will not soften on re-immersion.

The undesirable effects previously mentioned which can occur with PVC compounds containing a monomeric ester-type plasticiser, such as DOP, can be prevented or reduced by the use instead of a polymeric type of plasticiser which affords a higher resistance to extraction. Such plasticisers include polypropylene adipate (PPA) and polypropylene sebacate (PPS), the former being of value in contact with oils and fuels and the latter showing a high degree of resistance to soap and detergent solutions. The symbols used to denote performance are as follows:

R = Recommended (Satisfactory)

L = Limited Life (Some attack or absorption)

U = Unsatisfactory (Because of decomposition, solution, swelling and loss of ductility)

For materials which have been rated as having limited life or Unsatisfactory, the material should only be considered for use when alternative materials are unsatisfactory and where limited life is accepted. When PVC is to be used with such chemicals, full scale trials under realistic conditions are particularly necessary.

The following Chemical Resistance Chart is not intended to be complete. Chemicals missing from this chart does indicate unsuitability. If in doubt, contact Austrahose (SA) Pty Ltd for further advice.

CHEMICAL	20°C	60°C
Acetaldehyde	U	U
Acetic Acid (10% aqueous soln only)	R	L
Aceton	U	U
Alcohol - Butyl	R	L
Alcohol - Cetyl	R	R
Alcohol - Ethyl (4% w/w water)	R	L
Alcohol - Lauryl	R	R
Alcohol - Methyl (6% aqueous soln)	R	R
Aliphatic Hydrocarbons	R	L
Alum	R	R
Aluminium Chloride	R	R

CHEMICAL	20°C	60°C
Ammonium Hydroxide	R	R
Animal Oils	R	L
Barium Carbonate	R	R
Barium Sulphate	R	R
Beer	R	L
Benzene	U	U
Benzoic Acid	U	U
Bismuth Carbonate	R	R
Borax	R	L
Boric Acid	R	R
Brine	R	R
Bromine	U	U

CHEMICAL	20°C	60°C
Butane	R	L
Butanol	R	L
Butyric Acid (20% aqueous soln)	R	L
Calcium Carbonate	R	R
Calcium Chloride (aq. Soln 20% methyl alch)	R	R
Calcium Hydroxide	R	L
Calcium Nitrate	R	R
Carbon Dioxide	R	R
Carbon Disulphide	U	U
Carbonic Acid	R	R
Carbon Monoxide	R	R



P.V.C. HOSE CHEMICAL RESISTANCE (Cont...)

CHEMICAL	20°C	60°C
Carbon Tetrachloride	U	U
Casein	R	R
Castor Oil	R	L
Caustic Soda	R	R
Chlorine (10% dry gas)	U	U
Chlorine Water	U	U
Chloroform	U	U
Chrome Acid Plating Solution	U	U
Cider	R	L
Citric Acid	R	R
Copper Cyanide	R	R
Copper Nitrate	U	U
Cyclohexanol	R	R
Detergents Synthetic	R	L
Diesel Fuels	R	R
Developers Photographic	R	R
Dextrin	R	R
Dextorse	R	R
Dichloroethylene	U	U
Diethyl Ether	U	U
Emulsifiers (all concentrations)	R	R
Ethane	R	R
Ethanol	R	L
Ether	U	U
Ethylene Glycol	R	L
Fatty Acids	R	L
Ferrous Chloride	R	R
Fixing Sololution (photographic)	R	R
Fluorine	U	U
Formaldehyde (40% w/w in water)	R	R
Glycerine	R	L
Glycol	R	L
Heptane	R	L
Hexadecanol	R	R
Hexane	R	L
Hydrobromic Acid (50% aqueous soln.)	R	R
Hydrochloric Acid (10 & 22% aq. soln)	R	R

CHEMICAL	20°C	60°C
Hydrogen	R	R
Hydrogen Peroxide (3% 10vol.)	R	R
Hydrogen Sulphide	R	R
Iodine	U	U
Latic Acid	R	L
Lanoline	R	R
Lead Acetate	R	R
Lead Nitrate	R	R
Linseed Oil	U	U
Magnesium Chloride	R	R
Magnesium Hydroxide	R	R
Magnesium Nitrate	R	R
Mercuric Nitrate	R	R
Mercury	R	R
Metallic Soaps	R	R
Methanol	R	R
Methylated Spirit	R	R
Methylene Chloride	R	U
Milk	R	U
Mineral Oils	R	U
Molassed	R	R
Naphtha	R	L
Nickel Chloride	R	R
Nikel Nitrate	R	R
Nitric Acid (5% aqueous soln)	R	R
Nitric Acid (10-50% aqueous soln)	R	L
Nitric Acid (over 50%)	U	U
Nitrobenzene	U	U
Octane	R	L
Oxalic Acid	R	R
Oxygen	R	R
Ozone	R	R
Paraffin	R	U
Petrol	R	L
Petrol - Benzene Mixture	U	U
Petroleum Ether	U	U
Phenol	U	U
Phophates	R	R

CHEMICAL	20°C	60°C
Phosphoric Acid (up to 30% aqueous soln)	R	R
Polyglycol Ethers	U	U
Potassium Bromate	R	R
Potassium Chloride	R	R
Potassium Cyanide	R	R
Potassium Fluoride	R	R
Potassium Hydroxide (1% aqueous soln)	R	R
Potassium Hydroxide (10% aqueous soln)	R	R
Potassium Hydroxide (concentrate)	R	U
Propane	R	L
Propylene Glycol	R	L
Sodium Bicarbonate	R	L
Sodium Fluoride	R	R
Sodium Hydroxide (1% aqueous soln)	R	R
Sodium Hydroxide (10% aqueous soln)	R	R
Sodium Hydroxide (concentrate)	R	R
Sodium Hypochloride (15% CL)	R	R
Stearic Acid	R	R
Sulphur (Colloidal)	R	R
Sulphur Dioxide (Dry)	R	R
Sulphur Dioxide (Moist)	U	U
Sulphuric Acid (10% to 45% aqueous soln)	R	R
Sulphuric Acid (50% aqueous soln)	R	U
Sulphuric Acid (over 50% aqueous soln)	U	U
Synthetic Detergents	R	L
Tannic Acid	R	R
Tartaric Acid	R	R
Tetra Ethyl Lead	R	L
Toluene	U	U
Transformer Oil	R	L
Vegetable Oils	R	L
Wines & Spirits (Low Alcohol content)	R	U
Xylene	U	U
Zinc Chloride	R	R

BARFLO HOSE CHEMICAL RESISTANCE

The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer. Text material used 18% VA MFI 2-0. Values quoted for properties of products are results of tests on representative samples and do not constitute a specification. Information contained in this chart is based on our general experience and is given in good faith but we are unable to accept responsibility with respect to factors which are outside our knowledge or control.

The symbols used in the chart below are as follows:

NE = Negligible effect; LA = Limited attack EA = Extensive attack

CHEMICAL	20°C	60°C
Acetic Acid	NE	NE
Aceton	LA	EA
Allyl Alcohol	NE	NE
Aluminium Fluoride	NE	NE
Ammonia	NE	NE
Ammonium Chloride	NE	NE
Ammonium Nitrate	NE	NE
Amyl Alcohol	NE	NE
Animal Oils	LA	EA
Barium Chloride	NE	NE
Beer	NE	NE
Benzene	EA	EA
Benzyl Alcohol	LA	EA
Butane	NE	NE
Calcium Chloride (aqueous soln)	NE	NE
Camphor Oil	LA	EA
Carbon Dioxide	NE	NE
Carbon Monoxide	NE	NE
Carbon Tetrachloride	EA	EA
Castor Oil	LA	EA
Chlorine Oil	EA	EA
Chlorine (Dry Gas)	EA	EA
Chlorine (Liquid)	EA	EA
Chlorine Water (2% aqueous saturated soln)	NE	NE
Chromic Acid (Plating soln)	NE	LA
Cider	NE	NE
Citric Acid	NE	NE
Copper Chloride	NE	NE
Copper Fluoride	NE	NE
Detergents (synthetic)	NE	NE
Emulsifiers (all concentrations)	NE	NE
Ether	NE	NE
Ethyl Alcohol (100% aqueous)	EA	EA

CHEMICAL	20°C	60°C
Ethylene Chloride	NE	NE
Ferric Chloride	EA	EA
Ferrous Ammonium	NE	NE
Ferrous Chloride	NE	NE
Fixing Solution	NE	NE
Fluorin	NE	NE
Formaldehyde (40% aqueous)	EA	LA
Fruit Pulp	NE	NE
Fuel Oil	EA	EA
Gin	NE	NE
Glucose	NE	NE
Glycerine	NE	NE
Glycol	NE	NE
Grape Solution	NE	NE
Hydrochloric Acid (to 22% aqueous)	NE	NE
Hydrochloric Acid (concentrated)	LA	LA
Hydrogen	NE	NE
Inks	NE	NE
Iodine (solution in Potassium Iodine)	LA	EA
Lactic Acid (100% aqueous)	NE	NE
Linseed Oil	LA	EA
Lube Oil	EA	EA
Magnesium Chloride	NE	NE
Mercuric Cyanide	NE	NE
Mercury	NE	NE
Metallic Soaps	NE	NE
Methyl Sulphuric acid (50% aqueous)	NE	NE
Methylated Spirit	NE	LA
Milk	EA	NE
Mineral Oils	LA	EA
Molasses	NE	NE
Nicotinic Acid	NE	NE
Nitric Acid (to 25% aqueous)	NE	NE

CHEMICAL	20°C	60°C
Nitric Acid (50% aqueous)	LA	EA
Nitric Acid (over 50% aqueous)	EA	EA
Ozone	EA	EA
Paraffin	EA	EA
Petrol	EA	EA
Potassium Chloride	NE	NE
Potassium Fluoride	NE	NE
Sea Water	NE	NE
Selenic Acid	NE	NE
Silicone Fluids	NE	NE
Sodium Bicarbonate	NE	NE
Sodium Chloride	NE	NE
Sodium Hypochloride (15% chlorine)	NE	LA
Sodium Fluoride	NE	NE
Sodium Peroxide	NE	NE
Sulphuric Acid (60% aqueous)	NE	NE
Sulphuric Acid (70% aqueous)	LA	LA
Sulphuric Acid (over 70% aqueous)	EA	EA
Tannic Acid	NE	NE
Toluene	EA	EA
Transformer Oils	EA	EA
Turpentine	EA	EA
Urea	NE	NE
Urine	NE	NE
Vanilla Extract	NE	NE
Vegetable Oils	EA	EA
Vinegar Oils	NE	NE
Vinegar	NE	NE
Water	NE	NE
Wetting agents	NE	NE
Wines and Spirits	NE	NE
Yeast	NE	NE



BASIC COMPOUNDS IN RUBBER HOSE

GENERAL MATERIAL DESIGNATION:

ASTM Abbreviation	Polymer	Registered Trade Names
NR* IR	Natural rubber Isoprene rubber	Natsyn
SBR*	Styrene-butadiene rubber	Buna Hulsl, Polysar S
BR	Butadiene rubber	Buna CB
IIR	Butyl rubber	Polysar Butyl
EPDM	Ethylene propylene terpolymer	Keltan, BUNA AP
NBR*	Acrylonitrile butadiene	Perunan, Chemigum N
NBR	Acrylonitrile butadiene (food)	Perbunan, Chemigum N hell
ECO	Epichlorohydrin copolymer	Herclor
CR	Chloroprene rubber	Baypren, Neoprene
CSM	Chlorosulphonated polyethylene	Hypalon
AU	Polyurethane rubber	Urepan
T	Polysulphide rubber	Thiokol
Q	Silicon rubber	Silopren
FKM	Fluoro rubber	Viton A, Fluorel
ACM	Polyacrylate rubber	Hycar
PUR	Polyurethane	Vulkollan
PTFE	Polytetrafluorethylene	Teflon, Hostaflon

SUMMARY TABLE:

* usual qualities for metal-rubber bonds

Properties	NR	IR	SBR	BR	IIR	EPD M	NBR	ECO	CR	CSM	AU	T	Q	FKM	AC M	PUR	PTFE
Ult. Tensile strength, not reinforced	1	2	5	6	4	5	5	5	3	5	2	6	6	5	6	1	1
Ult. Tensile strength, reinforced	1	2	2	4	3	3	2	3	2	3	1	5	4	3	3	-	1
Elongation at break	1	1	2	3	2	3	2	3	2	3	2	4	4	3	3	2	3
Rebound resilience	2	2	3	1	6	3	3	2	3	4	3	4	3	5	5	2	-
Abrasion resistance	2	2	2	1	3	3	2	3	2	3	1	5	5	4	4	1	3
Initial tear resistance	2	2	3	5	3	3	3	3	2	4	3	4	6	3	4	1	2
Elec. Volume resistivity	1	1	2	2	2	2	4	5	3	4	3	3	1	4	4	2	1
Temperature range hot air °C	+90	+90	+100	+100	+140	+150	+130	+145	+120	+130	+120	+140	+200	+220	+160	+80	+260
Temperature range cold air °C	-50	-40	-40	-60	-40	-40	-40	-40	-30	-40	-20	-30	-80	-25	-20	-35	-190
Ageing resistance	3	3	3	3	2	1	3	2	2	2	2	3	1	1	2	1	1
Resistance to ozone	4	4	4	3	2	1	3	2	2	2	2	2	1	1	2	1	1
Resistance to petrol	6	6	4	5	6	5	1	1	2	2	1	1	5	1	1	2	1
Resistance to oil and grease	6	6	5	6	6	4	1	1	2	2	1	1	1	1	1	2	1
Resistance to acids	3	3	3	3	2	2	3	5	2	2	5	3	5	1	5	6	1
Resistance to alkalis	3	3	3	3	2	2	3	5	2	2	5	3	5	1	5	6	1
Hot Water	3	3	2	3	1	2	3	4	3	3	5	3	5	2	5	6	1

1=excellent 2=very good 3=good 4=moderate 5=slight 6=poor

RUBBER HOSE CHEMICAL RESISTANCE

KEY TO CHEMICAL GUIDE

- EX Recommended, little or no effect on tube compound, suitable for continuous service.
- G Recommended, minor effect on tube compound, may be suitable for continuous service, suitable for intermittent service.
- C Questionable, moderate to severe effect on tube, may be suitable for limited applications
- X Not recommended
- I No data available, but not expected to perform better than rated compounds

NOTE: THE COMPATIBILITY GUIDE SHOWN IS BASED AT +21 deg C OR ROOM TEMPERATURE

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Acetaldehyde 50%	G	EX	C	G	X	C	C	X	EX
Acetic Acid - Glacial	G	EX	C	G	C	X	G	C	EX
Acetic Acid 30%	G	EX	G	G	G	EX	G	G	EX
Acetic Anhdride	C	G	EX	G	C	G	G	X	EX
Acetone	G	EX	G	C	X	C	C	X	EX
Acetyl Chloride	X	X	X	X	X	X	X	EX	G
Acetylene	G	EX	G	G	EX	G	G	EX	EX
Adipic Acid	G	EX	I	EX	EX	EX	EX	I	I
Aluminium Acetate	G	EX	EX	EX	G	G	G	X	EX
Aluminium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Aluminium Fluoride	G	EX	EX	G	EX	EX	EX	EX	EX
Aluminium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Aluminium Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Ammonia Anhydrous	G	EX	G	X	G	EX	X	X	EX
Ammonia Gas (cold)	G	EX	EX	EX	EX	EX	EX	X	EX
Ammonia Gas (hot)	C	G	G	X	X	G	X	X	EX
Ammonium Carbonate	G	EX	I	EX	X	EX	EX	I	EX
Ammonium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Ammonium Hydroxide	G	EX	EX	X	X	EX	X	G	EX
Ammonium Nitrate	G	EX	EX	C	EX	EX	G	I	EX
Ammonium Nitrite	G	EX	EX	EX	EX	EX	EX	I	EX
Ammonium Phosphate	G	EX	EX	EX	EX	EX	EX	I	EX
Ammonium Sulfate	G	EX	EX	EX	EX	EX	EX	X	EX
Amyl Acetate	X	C	X	X	X	X	X	X	EX
Amyl Alcohol	G	EX	EX	G	G	G	G	G	EX
Aniline	G	EX	C	X	X	X	X	C	EX
Aniline Dynes	G	EX	G	G	X	G	G	G	EX
Aniline Hydrochloride	C	G	X	G	G	X	X	G	EX
Animal Fats	C	G	G	X	EX	G	X	EX	EX
Aqua Regia	X	C	EX	X	X	X	X	G	X
Arsenic Acid	G	EX	EX	G	EX	EX	EX	EX	EX
Arsenic Trichloride	X	C	I	X	EX	EX	I	I	X
Asphalt	I	X	G	X	G	G	X	EX	X
Barium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Barium Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Barium Sulphide	G	EX	EX	EX	EX	EX	G	EX	EX
Benzene	X	X	X	X	X	X	X	EX	EX
Benzyl Alcohol	G	EX	G	X	X	G	X	EX	EX
Benzyl Benzoate	C	G	X	X	X	X	X	X	EX
Benzyl Chloride	X	X	X	X	X	X	X	EX	EX
Benzoic Acid	X	C	X	X	C	X	X	EX	EX



RUBBER HOSE CHEMICAL RESISTANCE (Cont...)

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Bordeaux Mixture	G	EX	EX	G	G	G	G	EX	EX
Boric Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Brine	G	EX	EX	EX	EX	EX	EX	EX	EX
Bromine - Anhydrous	X	X	X	X	X	X	X	EX	X
Bromine Trifluoride	X	X	X	X	X	X	X	X	X
Bromine Water	G	G	EX	X	X	X	X	EX	X
Bromotoluene	X	X	X	X	X	X	X	EX	C
Bunker Oil	X	X	X	X	EX	X	X	EX	EX
Butadiene	X	C	C	X	X	X	X	EX	EX
Butane	X	X	G	X	EX	EX	X	EX	EX
Butyl Acetate	X	C	X	X	X	X	X	X	EX
Butyl Alcohol	C	G	EX	EX	EX	EX	EX	EX	EX
Butyl Amine	G	EX	X	X	C	X	X	X	I
Butyl Benzoate	C	G	X	C	X	X	G	EX	EX
Butyl Cellosolve	G	EX	G	X	C	C	X	X	EX
Butyl Stearate	X	C	X	X	G	X	X	EX	EX
Butyraldehyde	C	G	X	X	X	C	X	X	EX
Calcium Acetate	G	EX	G	EX	G	G	X	X	EX
Calcium Bisulfite	X	X	EX	X	X	EX	X	EX	EX
Calcium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Hydroxide	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Hypochlorite	G	EX	EX	C	G	C	C	EX	C
Calcium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Sulfide	G	EX	EX	G	EX	EX	G	EX	EX
Carbitol	C	G	G	G	G	G	G	G	EX
Carbolic Acid (Phenol)	C	G	X	X	X	C	X	EX	EX
Carbon Bisulfide	X	X	X	X	C	X	X	EX	I
Carbon Dioxide	C	G	G	G	EX	G	G	EX	EX
Carbonic	G	EX	EX	EX	G	EX	G	EX	EX
Carbon Monoxide	G	EX	G	G	EX	G	G	EX	EX
Carbon Tetrachloride	X	X	X	X	C	X	X	EX	EX
Cellosolve	C	G	X	X	X	X	X	C	EX
Cellosolve Acetate	C	G	X	X	X	X	X	X	EX
Chlorine (Dry)	X	X	G	X	X	C	X	EX	C
Chlorine (wet)	X	C	C	X	X	C	X	EX	C
Chlorine Dioxide	X	C	C	X	X	X	X	EX	I
Chloroacetone	G	EX	C	X	X	C	X	X	EX
Chloroacetic Acid	G	EX	EX	X	X	X	X	X	EX
Chlorobenzene	X	X	X	X	X	X	X	EX	EX
Chlorobutadiene	X	X	X	X	X	X	X	EX	EX
Chloroform	X	X	X	X	X	X	X	EX	G
Chlorotoluene	X	X	X	X	X	X	X	EX	G
Chrome Plating Solutions	C	G	X	X	X	X	X	EX	I
Chromic Acid	C	EX	G	X	X	C	X	EX	EX
Citric Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Cobalt	G	EX	EX	EX	EX	EX	EX	EX	EX
Copper Acetate	G	EX	G	EX	G	G	X	X	EX
Copper chloride	G	EX	G	EX	EX	G	EX	EX	EX
Copper Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Copper Sulfate	G	EX	EX	G	EX	EX	G	EX	EX

RUBBER HOSE CHEMICAL RESISTANCE (Cont...)

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Creosote (coal tar)	X	X	X	X	EX	G	X	EX	EX
Cresol	X	X	X	X	X	C	X	EX	EX
Cresylic Acid	X	X	X	X	X	C	X	EX	EX
Cumene	X	X	X	X	X	X	X	EX	EX
Cyclohexane	X	X	X	X	EX	C	X	EX	EX
Cyclohexanol	X	C	G	X	C	EX	X	EX	EX
Cyclohexanone	G	C	X	X	X	X	X	X	EX
Cymene	X	X	X	X	X	X	X	EX	EX
Decalin	X	X	X	X	X	X	X	EX	EX
Denatured Alcohol	G	EX	EX	EX	EX	EX	EX	EX	EX
Diacetone	G	EX	X	X	X	X	X	X	EX
Diacetone Alcohol	G	EX	G	X	X	G	X	X	EX
Dibenzyl Ether	C	G	X	X	X	C	X	X	EX
Dibutyl Amine	G	EX	X	X	X	X	X	X	EX
Dibutyl Ether	X	C	X	X	X	C	X	C	EX
Dibutyl Phthalate	C	G	X	X	X	X	X	C	EX
Dibutyl Sebecate	C	G	X	X	X	X	X	G	EX
Dichlorobenzene	X	X	X	X	X	X	X	EX	EX
Dichloro-Isopropyl Ether	X	C	C	X	X	X	X	C	EX
Diesel Oil	X	X	C	X	EX	C	X	EX	EX
Diethylamine	G	EX	C	G	G	G	G	X	EX
Diethylamine Benzene	X	X	X	X	X	X	X	EX	EX
Diethyl Ether	X	X	C	X	X	C	X	X	EX
Diethylene Glycol	G	EX	EX	EX	EX	EX	EX	EX	EX
Diethyl Sebecate	C	G	G	X	G	X	X	G	EX
Diisobutylene	G	EX	X	X	G	X	X	EX	EX
Diisopropyl Benzene	X	X	X	X	X	X	X	EX	EX
Diisopropyl Ketone	G	EX	X	X	X	X	X	X	EX
Dimethyl Formamide	G	EX	X	X	G	C	X	X	EX
Dimethyl Phtalate	G	EX	X	X	X	X	X	G	EX
Dinitrotolune	X	X	X	X	X	X	X	EX	EX
Diocetyl Phthalate	C	G	X	X	C	X	X	G	EX
Diocetyl Sebecate	C	G	X	X	X	X	X	G	EX
Dipentene	X	X	X	X	G	X	X	EX	EX
Dowtherm Oil	X	X	X	X	X	X	X	EX	EX
Ethane	X	X	G	X	EX	G	X	EX	EX
Ethanolamine	G	EX	C	G	G	G	G	X	EX
Ethyl Acetate	G	EX	X	X	X	C	X	X	EX
Ethyl Acetoacetate	G	EX	X	C	X	C	C	X	EX
Ethyl Alcohol	G	EX	EX	EX	EX	EX	EX	C	EX
Ethyl Benzene	X	X	X	X	X	X	X	EX	EX
Ethyl Benzoate	G	EX	X	EX	X	X	EX	EX	G
Ethyl Cellulose	C	G	G	G	G	G	G	X	EX
Ethyl Chloride	X	C	X	X	EX	X	X	EX	EX
Ethyl Ether	X	C	X	X	C	C	X	X	EX
Ethyl Formate	C	G	G	X	X	G	X	EX	EX
Ethyl Pentochlorobenzene	X	X	X	X	X	X	X	EX	X
Ethyl Silicate	G	EX	G	G	EX	EX	G	EX	EX
Ethylene	C	G	I	C	EX	C	C	EX	I
Ethylene Chloride	X	C	X	X	X	X	X	EX	EX
Ethylene Chlorohydrin	C	G	G	G	X	G	G	EX	EX
Ethylene Diamine	G	EX	G	EX	EX	EX	G	X	EX



RUBBER HOSE CHEMICAL RESISTANCE (Cont...)

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Ethylene Dichloride	X	C	X	X	X	X	X	EX	EX
Ethylene Glycol	G	EX	EX	EX	EX	EX	EX	EX	EX
Ethylene Trichloride	X	C	X	X	X	X	X	EX	EX
Fatty Acids	X	C	G	X	G	G	X	EX	EX
Ferric Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Ferric Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Ferric Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Fluoroboric Acid	G	EX	EX	EX	EX	EX	EX	I	EX
Fluorobenzene	X	X	I	X	X	X	X	EX	EX
Fluorolube	G	EX	EX	G	EX	G	C	G	I
Fluosilic Acid	C	G	EX	G	EX	G	C	EX	G
Formaldehyde	G	EX	EX	G	C	G	G	X	EX
Formic Acid	G	EX	EX	G	G	EX	EX	C	G
Freon 12	C	G	EX	G	EX	EX	EX	G	EX
Freon 13	EX	EX	EX	EX	EX	EX	EX	EX	EX
Freon 21	X	X	X	X	EX	X	X	X	EX
Freon 22	G	EX	EX	G	EX	EX	EX	X	EX
Freon 114	G	EX	EX	EX	EX	EX	EX	G	EX
Fuel Oil	X	X	G	X	EX	G	X	EX	EX
Furfural	G	EX	C	X	X	C	X	X	EX
Gallic Acid	G	EX	G	EX	G	G	G	EX	EX
Gasoline	X	X	C	X	EX	C	X	EX	EX
Gelatin	G	EX	EX	EX	EX	EX	EX	EX	EX
Glucose	G	EX	EX	EX	EX	EX	EX	EX	EX
Glycerine	G	EX	EX	EX	EX	EX	EX	EX	EX
Glycols	G	EX	EX	EX	EX	EX	EX	EX	EX
Green Sulfate Liquor	G	EX	G	G	G	G	G	EX	EX
Hexane	X	X	G	X	EX	G	X	EX	G
Helix Alcohol	X	C	G	G	EX	G	G	EX	EX
Hydraulic Alcohol	X	X	G	X	EX	G	X	EX	EX
Hydrobromic Acid	G	EX	EX	EX	X	X	X	EX	EX
Hydrobromic Acid (hot 37%)	X	C	X	X	X	X	X	G	EX
Hydrochloric Acid	G	EX	EX	G	C	G	G	EX	EX
Hydrocyanic Acid	G	EX	EX	G	G	G	G	EX	C
Hydrofluoric Acid (conc. hot)	G	EX	C	X	X	X	X	C	EX
Hydrofluoric Acid (conc. cold)	G	EX	EX	X	X	X	X	EX	EX
Hydrofluoric Acid (anhydrous)	G	EX	EX	X	X	X	X	X	EX
Hydrofluosilic Acid	C	G	EX	G	EX	G	C	EX	I
Hydrogen Gas	G	EX	EX	G	EX	EX	EX	EX	EX
Iodine	X	X	EX	X	X	X	X	X	EX
Isobutyl Alcohol	G	EX	EX	EX	G	EX	G	EX	EX
Isoctane	X	X	G	X	EX	G	X	EX	EX
Isopropyl Acetate	C	G	X	X	X	X	X	X	EX
Isopropyl Alcohol	G	EX	EX	EX	G	G	G	EX	EX
Isopropyl Chloride	X	X	X	X	X	X	X	EX	EX
Isopropyl Ether	X	X	C	X	G	C	X	X	EX
Kerosene	X	X	C	X	EX	G	X	EX	EX
Lactic Acid (cold)	G	EX	EX	EX	EX	EX	EX	EX	EX
Lactic Acid (hot)	G	EX	EX	X	X	X	X	EX	EX
Lead Acetate	G	EX	X	EX	G	EX	X	X	EX

RUBBER HOSE CHEMICAL RESISTANCE (Cont...)

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Lead Nitrate	G	EX	EX	EX	EX	EX	EX	I	EX
Lead Sulfamate	G	EX	EX	G	G	EX	G	EX	EX
Liquefield Petroleum Gas	X	X	G	X	EX	G	X	EX	EX
Lubricating Oils	X	X	G	X	EX	G	X	EX	EX
Lye	G	EX	EX	G	G	G	G	G	I
Magnesium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Magnesium Hydroxide	G	EX	EX	G	G	EX	G	EX	EX
Magnesium Sulfate	G	EX	EX	G	EX	EX	G	EX	EX
Maleic Acid	G	EX	X	C	X	C	C	EX	G
Maleic Anhydride	C	G	EX	C	X	C	C	X	I
Malic Acid	G	EX	G	C	EX	C	C	EX	I
Mercury	G	EX	EX	EX	EX	EX	EX	EX	EX
Mesityl Oxide	C	G	X	X	X	X	X	X	EX
Methane	X	X	G	X	EX	G	X	G	EX
Methyl Acetate	G	EX	X	C	X	G	C	X	EX
Methyl Alcohol	G	EX	EX	EX	EX	EX	EX	X	EX
Methyl Bromide	C	G	X	X	G	X	X	EX	I
Methyl Butyl Ketone	G	EX	X	X	X	X	X	X	EX
Methyl Cellosolve	C	G	G	X	G	G	X	X	EX
Methyl Chloride	X	C	X	X	X	X	X	EX	G
Methyl Ethyl Ketone (MEK)	C	EX	X	X	X	C	X	X	EX
Methyl Isobutyl Ketone	C	G	X	X	X	X	X	X	EX
Methyl Oleate	C	G	X	X	X	X	X	G	EX
Mineral Oil	X	C	G	X	EX	G	X	EX	EX
Monochlorobenzene	X	X	X	X	X	X	X	EX	G
Monoethanolamine	G	EX	X	G	X	X	G	X	EX
Monomethylether	X	X	G	X	EX	C	X	EX	I
Monovinyl Acetylene	G	G	G	G	EX	G	G	EX	I
Naphtha	X	X	X	X	G	C	X	EX	EX
Naphthalene	X	X	X	X	X	X	X	EX	EX
Napthenic Acid	X	X	X	X	G	X	X	EX	EX
Natural Gas	X	X	EX	G	EX	EX	G	EX	EX
Nickel Acetate	G	EX	X	EX	G	G	X	X	EX
Nickel Choride	G	EX	EX	EX	EX	EX	EX	EX	EX
Nickel Sulfate	G	EX	EX	G	EX	EX	G	EX	EX
Nitric Acid (conc)	G	EX	G	X	X	X	X	C	G
Nitric Acid (dilute)	G	EX	EX	X	X	G	X	EX	EX
Nitrobenzene	G	EX	X	X	X	X	X	G	EX
Nitroethane	C	G	G	G	X	C	G	X	EX
Nitrogen	G	EX	EX	EX	EX	EX	EX	EX	EX
Octachlorofuluene	X	X	X	X	X	X	X	EX	I
Octyl Alcohol	X	C	G	G	G	EX	G	EX	EX
Oleic Acid	X	X	C	X	C	C	X	G	EX
Oleum	G	EX	G	X	G	C	X	EX	I
Olive Oil	C	G	G	X	EX	G	X	EX	EX
O-Dichlorobenzene	X	X	X	X	X	X		EX	I
Oxalic Acid	G	EX	G	G	G	G	G	EX	EX
Palmitric Acid	C	G	C	G	EX	G	G	EX	G
Perchloric Acid	C	G	G	X	X	G	X	EX	EX
Perchloroethylene	X	X	X	X	G	X	X	EX	EX



RUBBER HOSE CHEMICAL RESISTANCE (Cont...)

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Petroleum	X	X	G	X	EX	G	X	EX	EX
Phenol (carbolic Acid)	G	EX	G	X	X	C	I	EX	EX
Phenylbenzene	X	X	X	X	X	X	X	EX	I
Phenyl Hydrazine	C	G	X	EX	X	X	G	EX	EX
Phorone	X	C	X	X	X	X	X	X	EX
Phosphoric Acid 20%	G	EX	EX	G	G	G	G	EX	EX
Phosphoric Acid 80%	G	EX	G	C	X	G	C	EX	EX
Phosphorus Trichloride	G	EX	X	X	X	X	X	EX	I
Polyvinyl Acetate Emulsion	G	EX	G	G	I	G	X	EX	I
Potassium Acetate	G	EX	EX	EX	G	G	X	X	EX
Potassium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Cupro Cyanide	EX	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Dichromate	G	EX	EX	G	EX	EX	G	EX	G
Potassium Hydroxide	G	EX	EX	G	G	G	G	X	EX
Potassium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Sulfate	G	EX	G	G	EX	EX	EX	EX	EX
Propane	X	X	G	X	EX	G	X	EX	EX
Propyl Acetate	C	G	X	X	X	X	X	X	EX
Propyl Alcohol	G	EX	EX	EX	EX	EX	EX	EX	EX
Propyl Nitrate	G	EX	G	X	X	X	X	X	EX
Propylene	X	X	X	X	X	X	X	EX	EX
Pyranol (transformer Oil)	X	X	C	X	EX	G	X	EX	EX
Pyridine	G	EX	G	X	X	X	X	X	EX
Sal Ammoniac	G	EX	EX	EX	EX	EX	EX	EX	EX
Salicyclic Acid	G	EX		EX	G	EX	G	EX	EX
Salt Water	G	EX	EX	EX	EX	EX	EX	EX	EX
Sewerage	G	G	EX	G	EX	G	G	EX	EX
Silicone Greases	G	EX	EX	EX	EX	EX	EX	EX	EX
Silicone Oils	G	EX	EX	EX	EX	EX	EX	EX	EX
Silver Nitrate	G	EX	EX	EX	G	EX	EX	EX	EX
Skydrol 500	G	EX	X	X	X	X	X	X	EX
Skydrol 7000	G	EX	X	X	X	X	X	G	EX
Soap Solutions	G	EX	EX	G	EX	G	EX	EX	EX
Soda Ash	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Acetate	G	EX	EX	EX	G	G	X	X	EX
Sodium Bicarbonate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Bisulphate	G	EX	EX	EX	EX	EX	G	EX	EX
Sodium Borate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Hydroxide	G	EX	EX	EX	G	EX	EX	G	EX
Sodium Hypochlorite	C	G	EX	X	G	EX	X	EX	G
Sodium Metaphosphate	G	EX	G	EX	EX	G	EX	EX	EX
Sodium Nitrate	G	EX	EX	G	G	G	EX	I	EX
Sodium Perborate	G	EX	G	G	G	G	G	EX	EX
Sodium Peroxide	G	EX	G	G	G	G	G	EX	EX
Sodium Phosphate	G	EX	EX	EX	EX	G	EX	EX	EX
Sodium Silicate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Sulfate	G	EX	EX	G	EX	EX	G	EX	EX

RUBBER HOSE CHEMICAL RESISTANCE (Cont...)

Agent	EPDM	EPR	HYPALON	NATURAL	NITRILE	CHLORO-PRENE	SBR	VITON	CROSS-LINKED POLYETHYLENE
Sodium Thiosulfate	G	EX	EX	G	G	EX	G	EX	EX
Soybean Oil	X	C	C	X	EX	G	X	EX	EX
Stannic Chloride	G	EX	EX	EX	EX	G	EX	EX	EX
Steam	G	EX	X	X	X	C	X	X	X
Stearic Acid	G	G	G	G	G	G	G	I	EX
Styrene	X	X	X	X	X	X	X	G	G
Sucrose Solution	G	EX	G	EX	EX	G	EX	EX	EX
Sulfur	G	EX	EX	X	X	EX	X	EX	EX
Sulfur Chloride	X	X	G	X	C	C	X	EX	EX
Sulfur Dioxide	G	EX	G	G	X	X	G	EX	EX
Sulfuric Trioxide	C	G	X	G	X	X	G	EX	G
Sulfuric Acid 10%	G	EX	EX	C	C	G	C	EX	EX
Sulfuric Acid 10%-75%	G	EX	C	X	X	X	X	EX	EX
Sulfurous Acid	G	EX	EX	G	G	G	G	EX	EX
Tannic Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Tar Bituminous	X	C	X	X	G	C	X	EX	I
Tartaric Acid	C	G	EX	C	EX	G	X	EX	EX
Terpineol	X	C	X	X	G	X	X	EX	G
Tertiary Butyl Alcohol	C	G	G	G	G	G	G	EX	EX
Tetrachloroethylene	X	X	X	X	X	X	X	EX	EX
Tetraethyl Lead	X	X	X	X	G	G	X	EX	I
Toluene	X	X	X	X	X	X	X	EX	EX
Transformer Oil	X	X	C	X	EX	G	X	EX	EX
Transmission Fluid (A)	X	X	G	X	EX	G	X	EX	EX
Trichloroethane	X	X	X	X	X	X	X	EX	EX
Trichloroacetic Acid	C	G	X	C	G	X	G	C	EX
Trichloroethylene	X	X	X	X	X	X	X	EX	EX
Tricresyl Phosphate	X	X	X	X	X	X	C	EX	EX
Triethanol Amine	G	EX	G	G	G	EX	G	X	EX
Trinitrotoluene	X	X	G	X	X	G	X	EX	EX
Turbine Oil	X	X	X	X	G	X	X	EX	EX
Turpentine	X	X	X	X	EX	X	X	EX	EX
Vegetable Oils	X	C	G	X	EX	C	X	EX	EX
Vinegar	G	EX	EX	G	G	G	G	EX	EX
Vinyl Chloride	X	X	X	X	X	X	X	EX	EX
Water	G	EX	EX	EX	EX	EX	EX	EX	EX
Whiskey, wine	G	EX	EX	EX	EX	EX	EX	EX	EX
White Oil	X	X	X	X	EX	G	X	EX	EX
Wood Oil	X	X	C	X	EX	G	X	EX	EX
Xylene	X	X	X	X	X	X	X	EX	EX
Zinc Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Zinc Sulfate	G	EX	EX	G	EX	EX	G	EX	EX



CORROSION RESISTANCE OF COUPLING MATERIALS

The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

PLEASE NOTE:

- Ratings given are based on ambient temperature.
- No rating indicates no data available
- Chemical resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc
- Special caution should be taken when handling hazardous materials.

RATINGS

METALS	NON-METALS	GASKET/ SEAL MATERIAL
1 = Excellent 2 = Good 3 = Fair or Conditional X = Not Recommended	A = Acceptable X = Not Recommended	B = Buna N E = EPDM N = Neoprene T = Teflon V = Viton

Agent	Mal Iron Carbon Steel	Brass	Bronze	Aluminium	S.Steel 302, 303,304	S.Steel 316	Monel	Poly Prop.	Nylon	Gaskets
Acetate Solvents (crude)	2	X	X	1	1	2	2	A	A	T
Acetate Solvents (pure)	X	1	1	1	1	1	1	A	A	T
Acetic Acid 80%	X	X	X	3	1	1	1	X	X	TNEV
Acetic Acid 50%	X	X	X	2	2	1	2	X	X	TBV
Acetic Acid 20%	X	X	X	2	2	1	2	X	X	TEBV
Acetic Acid 10%	X	X	2	2	1	1	2	X	X	TEVBN
Acetic Anhydride	2	X	2	2	2	2	2	X	A	T
Aceton	2	2	2	1	1	1	1	X	A	TE
Acetylene	2	X	X	1	1	1	2	X	A	TENBV
Alcohol (Amyl)	2	2	2	2	2	2	1	A	A	TEVBN
Alcohol (Benzyl)	2	2	2	2	1	1	1	A	A	TV
Alcohol (Butyl)	2	2	1	1	1	1	1	A	-	TEV
Alcohol (Diacetone)	2	1	2	1	2	2	1	A	-	T
Alcohol (Ethyl)	2	2	2	1	2	2	2	A	-	TEVBN
Alcohol (Isopropyl)	2	2	2	2	2	2	2	A	-	TENBV
Alcohol (Methyl)	2	2	2	2	2	2	2	A	-	TEBN
Alcohol (Propyl)	2	2	2	2	1	1	2	A	A	TBVN
Aluminium Chloride	X	X	X	X	X	X	X	A	-	TEVBN
Aluminium Fluoride (Sat.)	X	-	-	2	X	2	2	A	-	TVEBN
Aluminium Nitrate (Sat.)	X	X	-	3	2	2	-	A	X	TEBVN
Aluminium Potassium Sulfate	-	2	2	2	X	2	-	A	X	TV
Aluminium Sulfate (Sat.)	X	X	2	X	2	2	2	A	-	BENTV
Ammonia Gas	1	X	X	-	1	1	X	X	A	TB
Ammonium Bifluoride	X	-	-	-	-	-	2	A	-	TE
Ammonium Carbonate (Sat.)	2	X	X	2	2	2	2	A	A	TEBV
Ammonium Chloride (Stat.)	X	X	2	X	X	X	2	A	A	TEBNV
Ammonium Hydroxide (Sat)	1	X	X	2	2	2	X	A	X	TENBV
Ammonium Nitrate	X	X	X	2	-	-	X	A	-	TENB
Ammonium Phosphate	X	X	X	X	-	-	-	A	-	TENBV
Ammonium Sulfate	X	X	3	X	X	2	2	A	-	TEBN
Aniline	X	X	2	-	1	1	2	X	-	TV
Arsenic Acid	X	X	2	X	2	2	X	A	X	TEBV
Barium Carbonate	2	2	2	X	2	2	2	A	-	TE



CORROSION RESISTANCE OF COUPLING MATERIALS (Cont...)

Agent	Mal Iron Carbon Steel	Brass	Bronze	Aluminium	S.Steel 302, 303,304	S.Steel 316	Monel	Poly Prop.	Nylon	Gaskets
Barium Chloride	-	2	2	-	X	2	2	A	A	TE
Barium Hydroxide	2	2	X	X	2	2	1	A	-	TEBNV
Barium Sulphate	X	2	2	2	2	2	2	-	A	TEBV
Barium Sulfide	2	X	X	X	2	2	3	A	X	TBNV
Beer	2	2	2	1	1	1	1	A	-	TVB
Benzaldehyde	X	2	2	2	2	2	2	-	X	T
Benzene, Benzol	2	2	2	1	2	2	2	X	A	TV
Benzoic Acid	X	2	2	2	2	2	2	-	A	TEV
Black Liquor	X	X	X	-	2	2	2	A	-	TBV
Bleach (12.5% chlorine)	X	-	-	X	-	X	-	A	X	TV
Borax	2	2	2	X	2	1	1	A	A	TENBV
Boric Acid	X	X	2	1	-	-	2	A	A	TENVB
Brine Acid	-	2	2	-	-	-	-	A	-	TBV
Bromic Acid	-	-	-	-	-	-	X	A	-	T
Bromine Liquid	-	-	-	2	X	X	-	X	X	TV
Butadiene, Butylene	2	2	2	2	2	2	1	X	X	TVB
Butane	1	2	2	2	2	2	1	X	-	TVEN
Butyl Acetate	3	2	2	1	2	2	2	X	-	T
Butyric Acid	X	2	X	2	2	2	2	X	X	T
Calcium Bisulfate	X	-	X	X	X	2	X	A	-	T
Calcium Bisulfide	-	-	-	-	-	-	-	A	X	TBV
Calcium Bisulfite	X	X	2	X	2	2	X	A	-	TEBVN
Calcium Carbonate	2	2	2	3	1	2	2	-	-	TEBV
Calcium Chloride	2	2	-	-	-	-	2	A	A	TEVB
Calcium Hydroxide	2	2	X	X	2	2	X	A	X	TENVB
Calcium Hypchlorite (Sat)	X	X	X	X	X	2	X	A	X	TEV
Carbon Bisulfide	2	X	2	1	2	2	X	X	X	TV
Carbon Dioxide (Dry)	2	1	2	1	2	2	1	A	-	TBN
Carbon Dioxide (Wet)	3	X	-	1	2	2	-	A	-	TBN
Carbon Disulfide	2	X	2	1	2	2	X	X	X	TV
Carbon Monoxide	2	1	1	1	1	1	1	-	X	TEVBN
Carbon Tetrachloride	2	2	1	X	1	1	1	X	A	TV
Carbonic Acid	2	2	2	1	2	2	X	A	X	TEBNV
Castor Oil	2	2	2	2	2	2	-	A	X	TEVBN
Caustic Potash	X	-	-	X	-	-	-	A	X	TNV
Cellosolves	2	2	2	2	2	2	2	A	A	TE
Chlorine (Liquid)	2	-	-	-	-	-	2	X	X	TV
Chloroform	X	-	-	-	-	1	1	X	A	TV
Chlorosulfuric Acid	2	X	X	-	X	X	2	X	X	T
Chlorox (Bleach) 5.5% CL	X	-	-	X	-	2	-	-	X	T
Chromic Acid 50%	X	X	X	2	3	2	X	X	X	TVB
Citric Acid	X	X	X	3	-	-	2	A	-	TEVNB
Coke Oven Gas	2	X	3	2	2	2	2	X	-	TENV
Copper Chloride	X	X	X	X	X	X	X	A	-	TEVBN
Copper Cyanide	-	X	X	X	2	2	X	-	-	TEBV
Copper Sulfate (Sat)	X	X	X	X	-	2	X	A	A	TEVNB
Creosylic Acid	2	2	X	2	2	2	3	X	X	TV
Cyclohexane	2	2	2	2	2	2	1	X	A	TVB
Detergents	2	3	3	2	1	2	-	A	X	TEVNB
Dextrose	-	-	-	2	-	-	2	A	-	TVB



CORROSION RESISTANCE OF COUPLING MATERIALS (Cont...)

Agent	Mal Iron Carbon Steel	Brass	Bronze	Aluminium	S.Steel 302, 303,304	S.Steel 316	Monel	Poly Prop.	Nylon	Gaskets
Diesel Fuels	2	1	1	1	1	1	-	X	A	TBV
Diethylamine	X	-	X	2	2	2	1	A	-	T
Disodium Phosphate	1	-	-	-	-	1	-	A	-	T
Ethers	2	2	2	2	1	1	2	X	X	T
Ethyl Acetate	2	-	2	-	2	2	2	X	A	T
Ethyl Chloride	2	-	2	-	1	1	2	X	A	TB
Ethylene Chloride	2	-	-	3	-	-	2	X	A	TV
Ethylene Dichloride	2	2	X	3	2	2	1	X	X	-
Ethylene Glycol	2	2	2	1	2	2	2	X	A	TVEBN
Ethylene Oxide	2	X	X	1	2	2	2	X	A	T
Fatty Acids	X	3	3	1	-	1	2	A	-	TBV
Ferric Chloride	X	X	-	X	X	X	X	A	-	TEBV
Ferric Hydroxide	-	-	-	-	1	1	-	-	-	T
Ferric Nitrate (10-50%)	X	X	X	X	2	2	X	A	-	TBNVE
Ferric Sulphate	X	X	X	X	-	-	2	A	X	TEBNV
Ferrous Chloride	X	X	2	X	X	X	X	A	X	TEB
Ferrous Sulfate	X	2	2	2	2	2	2	A	X	TEBNV
Fluoboric Acid	1	-	-	X	-	-	2	X	X	TEB
Formaldehyde (50%)	X	2	2	-	1	1	2	A	A	TE
Formic Acid (Anhyd)	X	X	2	1	-	-	2	A	X	TE
Freon 11	X	2	2	2	2	2	1	-	-	TV
Freon 12 (wet)	X	2	2	2	2	2	2	A	X	TNBV
Freon 22	X	2	2	2	2	2	2	X	-	TN
Fruit Juice	X	2	X	2	2	2	2	A	A	TVBN
Fuel Oils	2	2	2	2	2	2	2	X	X	TBN
Furfural	2	2	2	2	2	2	2	X	X	TN
Refined Gasoline	2	2	2	2	2	2	2	X	A	T
Sour Gasoline	2	2	2	X	2	2	X	X	A	TBV
Gelatin	X	2	2	2	2	2	2	A	-	TBNV
Glucose	2	2	2	2	2	2	2	A	-	TNBV
Glue	2	2	2	2	2	2	2	A	-	TENB
Glycerine	2	1	2	1	1	1	1	A	-	TVNB
Glycol	2	3	2	2	2	2	2	A	A	TVB
Green Liquor	2	-	-	-	-	-	-	A	-	TEB
Heptane	2	2	2	3	2	2	2	X	A	TEVNB
Hexane	2	2	2	2	1	1	2	X	X	TVB
Hydrobromic Acid (50%)	X	X	X	X	X	X	X	A	X	TV
Hydrobromic Acid (20%)	X	X	X	X	X	X	X	A	X	TV
Hydrochloric Acid (20%)	X	X	X	X	X	X	X	A	X	TVE
Hydrochloric Acid (37%)	X	X	X	X	X	X	X	A	X	TVE
Hydrocyanic Acid	2	X	X	2	2	2	2	X	X	TEV
Hydrofluoric Acid	2	X	2	X	X	2	2	X	X	T
Hydrofluosillicic Acid	X	2	X	X	X	2	2	-	X	TV
Hydrogen Peroxide (50%)	X	X	X	-	2	-	-	A	X	TVE
Hydrogen Sulfide	-	-	-	-	X	2	2	A	A	T
Hydrogen Chloride (Gas, Dry)	2	2	-	X	-	-	1	A	-	T
Hydrogen Gas	1	1	1	1	1	1	1	A	Z	TENBV
Iodine	X	X	X	1	X	X	1	X	X	TV
Isopropyl Ether	-	2	2	-	1	2	2	X	A	T
Jet Fuel (JP3, JP4, JP5)	2	1	2	2	2	2	2	X	X	TVB

CORROSION RESISTANCE OF COUPLING MATERIALS (Cont...)

Agent	Mal Iron Carbon Steel	Brass	Bronze	Aluminium	S.Steel 302, 303,304	S.Steel 316	Mone 1	Poly Prop.	Nylon	Gaskets
Kerosene	2	2	2	2	2	2	2	X	X	TVBN
Ketones	2	2	2	2	2	2	2	X	X	T
Latic Acid (25%)	X	2	2	3	-	-	X	A	X	TV
Latic Acid (80%)	X	2	X	2	2	-	2	A	A	TV
Lard Oil	X	-	2	2	2	2	2	A	X	TVB
Lead Acetate	X	X	X	X	2	2	2	A	-	TN
Lead Chloride	-	-	-	X	2	2	-	-	-	T
Lead Sulfate	X	-	-	X	2	2	2	-	X	TN
Lime Sulfur	X	X	X	X	2	2	2	X	X	TEV
Linoleic Acid	X	X	X	2	2	2	2	A	-	T
Linseed Oil	2	2	2	2	2	2	2	A	A	TVBN
Lubricants (Oil)	2	1	-	2	2	2	2	X	X	TVB
Magesium Carbonate	-	-	-	-	2	2	2	A	-	TE
Magensium Chloride	-	X	2	X	-	-	-	A	-	TENBV
Magensium Hydroxide	2	2	2	2	1	1	2	A	A	TENBV
Magnesium Nitrate	2	2	2	2	2	2	2	A	-	TEVBN
Magnesium Sulfate	-	-	2	2	2	2	-	A	-	TEBN
Maleic Acid	X	2	X	-	2	2	-	A	X	TEV
Mercuric Chloride	X	X	X	X	X	-	X	A	X	TEBV
Mercuric Cynaide	X	X	X	X	2	2	2	-	-	T
Mercury	2	X	X	X	1	1	-	A	A	TVNB
Methane	2	1	2	1	1	1	1	X	-	TVENB
Methanol	2	2	2	2	2	2	2	A	A	TENB
Methyl Bromide	2	-	-	X	2	2	-	X	X	TV
Methyl Ethyl Ketone	2	2	2	2	2	2	2	X	A	T
Methyl Isobutyl Ketone	2	2	2	2	2	2	2	X	X	T
Methyl Methacrylate	X	-	-	2	2	2	-	A	-	T
Methylene Chloride	2	2	2	-	-	-	-	X	A	T
Milk	2	X	X	1	1	1	X	A	A	TVNB
Mineral Oil	2	1	-	2	1	2	1	A	A	TVNB
Muriatic Acid	X	X	X	X	X	X	X	A	X	TEB
Naptha	2	2	2	2	2	2	2	X	-	TV
Napthalene	2	2	2	2	1	1	2	X	A	TV
Nickel Chloride	X	X	X	X	-	-	2	A	X	TEBV
Nickel Sulfate	X	X	X	X	2	2	-	A	X	TEBNV
Nitric Acid (100%)	X	X	X	1	-	-	X	X	X	TV
Nitric Acid (50%)	X	X	X	X	1	-	X	X	X	TV
Nitric Acid (30%)	X	X	X	X	1	-	X	X	X	TV
Notrobenzene	2	2	2	1	2	2	2	X	A	T
Castor Oil	2	2	2	2	2	2	-	A	A	TVBN
Coconut Oil	X	-	2	2	2	2	2	A	-	TVB
Com Oil	2	2	2	2	-	2	2	A	A	TN
Cotton Seed Oil	2	2	2	2	3	2	1	A	A	TVB
Fuel Oil	2	2	2	2	2	2	2	X	A	TB
Linseed Oil	2	2	2	2	2	2	2	A	A	TVBN
Mineral Oil	2	1	-	2	1	2	1	A	A	TNVB
Silicone Oil	2	1	2	2	2	2	-	A	X	TVB
Vegetable Oil	2	2	2	2	1	1	1	X	A	TEBV
Oleic Acid	2	3	2	2	-	1	1	X	A	TB



CORROSION RESISTANCE OF COUPLING MATERIALS (Cont...)

Agent	Mal Iron Carbon Steel	Brass	Bronze	Aluminium	S.Steel 302, 303,304	S.Steel 316	Monel	Poly Prop.	Nylon	Gaskets
Oxygen	2	2	2	2	2	2	2	X	X	TENV
Palmitic Acid	X	3	2	2	2	2	2	A	X	TVB
Paraffin	2	2	2	2	2	2	2	A	A	TBV
Perchlorethylene	2	2	2	2	-	-	1	X	A	TV
Petrolafum	X	-	2	2	2	2	2	-	-	TN
Phenol (Carnbolic Acid)	2	1	X	1	-	1	1	X	X	TV
Phosphoric Acid (25-50%)	X	X	2	X	-	-	X	X	X	TVN
Phosphoric Acid (50-85%)	X	X	X	X	1	-	3	X	X	TEV
Photographic Solutions	X	-	-	-	1	1	1	X	-	TVNB
Phthalic Anhydride	2	2	2	-	1	1	1	X	-	TV
Picric Acid	X	X	X	1	2	2	X	-	X	TEVN
Plating Solution - Brass	-	-	-	-	-	2	-	A	X	TENBV
Plating Solution - Cadmium	-	-	-	-	-	2	-	A	X	TEVNB
Plating Solution - Chrome 40%	X	2	2	X	-	2	-	A	X	TV
Plating Solution - Copper	-	-	-	-	-	-	-	A	-	TEVB
Plating Solution - Gold	-	-	-	-	-	1	-	A	X	TEVB
Plating Solution - Iron	-	-	-	-	-	-	-	A	X	TEB
Plating Solution - Lead	-	-	-	-	1	1	-	A	X	TEVB
Plating Solution - Nickel	-	-	-	-	1	1	-	A	A	TEVNB
Plating Solution - Silver	-	-	-	-	1	1	-	A	X	TENVB
Plating Solution - Tin	-	-	-	-	X	X	-	A	X	TENVB
Plating Solution - Zinc	-	-	-	-	-	-	-	A	X	TENVB
Potassium Acetate	2	X	X	X	-	-	-	X	-	T
Potassium Bicarbonate (30%)	2	2	-	X	1	1	2	-	-	TNBV
Potassium Carbonate (50%)	2	2	X	X	1	1	2	-	A	TEVNB
Potassium Chlorate (30%)	2	X	X	2	2	1	2	-	-	TEVB
Potassium Chloride (30%)	2	X	2	X	-	-	1	A	-	TEVB
Potassium Chromate (30%)	-	2	2	2	2	2	2	-	-	TE
Potassium Cyanide Sol. (30%)	2	X	X	X	2	2	2	A	X	TENVB
Potassium Dichromate (30%)	2	2	2	1	1	1	2	A	X	TEVB
Potassium Hydroxide (90%)	-	X	X	X	X	-	2	A	X	TEN
Potassium Nitrate (80%)	2	2	2	1	2	2	2	A	X	TEVNB
Potassium Permanganate (20%)	2	2	2	2	2	2	2	A	X	TEV
Potassium Sulfate (10%)	2	2	2	-	-	-	-	A	A	TENVB
Propane	2	1	1	1	2	2	1	-	A	TVEB
Propylene Glycol	2	2	2	2	2	2	2	A	-	T
Propylene Oxide	-	-	-	-	-	-	-	X	-	T
Pyridine	2	2	2	2	2	2	2	-	A	T
Pyrogallic Acid	2	2	2	2	2	2	2	X	-	TN
Silver Nitrate	X	X	X	X	2	1	X	X	X	TEVNB
Sodium Acetate	2	2	2	1	2	2	-	-	-	TE
Sodium Bicarbonate (20%)	X	2	2	2	1	1	1	A	A	TV
Sodium Bisulfate	2	-	2	X	-	-	-	A	X	TNBV
Sodium Bisulfite	X	2	X	X	-	-	-	A	-	TEVBN
Sodium Borate	X	2	2	2	2	2	2	A	X	TVNB
Sodium Perborate (10%)	2	X	2	2	2	2	2	A	-	TVBN
Sodium Carbonate	2	2	-	-	-	-	-	A	A	TEVBN
Sodium Chlorate	X	2	2	-	-	-	-	A	X	TEVB
Sodium Chloride	-	-	-	X	-	-	-	A	-	TEVB
Sodium Cyanide	2	X	X	X	-	-	X	A	X	TEVBN

CORROSION RESISTANCE OF COUPLING MATERIALS (Cont...)

Agent	Mal Iron Carbon Steel	Brass	Bronze	Aluminium	S.Steel 302, 303,304	S.Steel 316	Mone l	Poly Prop.	Nylon	Gaskets
Sodium Hydroxide (70%)	3	X	X	X	2	2	1	-	-	TENB
Sodium Hydroxide (50%)	X	X	3	X	1	-	1	A	X	TEN
Sodium Hrdroxide (30%)	2	2	X	X	1	1	1	-	-	TEN
Sodium Hypochlorite	X	X	X	X	X	X	X	A	-	TE
Sodium Metaphosphate	X	X	2	X	2	2	2	A	X	TBNV
Sodium Nitrate	2	-	-	-	-	-	-	X	-	TEN
Sodium Perborate (10%)	2	X	2	2	2	2	2	X	-	TNBV
Sodium Peroxide (10%)	2	X	X	2	2	2	2	X	X	TEBNV
Sodium Silcate	2	2	2	1	2	2	2	A	-	TEVNB
Sodium Sulfate	2	2	2	-	-	1	-	A	A	TEVNB
Sodium Sulfide (50%)	2	X	X	X	-	2	2	A	-	TEVNB
Sodium Thiosulfate	X	X	X	2	2	2	2	A	-	TEVNB
Stannic Chloride	X	X	X	X	X	X	X	A	-	TEVB
Stannous Chloride	X	X	X	X	X	-	-	X	X	TVBE
Stearic Acid	X	3	2	2	2	1	2	A	X	TB
Stoddard Solvent	2	2	2	2	2	2	2	X	A	TVB
Sugar Liquors (cane)	2	2	1	1	2	2	1	A	-	TENBV
Sugar Liquors (beet)	2	2	1	1	1	1	1	A	-	TVB
Sulfate Liquors	X	X	X	2	-	2	2	A	-	T
Sulfite Liquors	X	X	-	X	2	2	X	X	-	TVB
Sulfur Chloride	X	X	-	X	-	-	X	X	X	TV
Sulfur Dioxide (Dry)	1	2	2	2	-	2	2	-	X	T
Sulfur Trioxide	2	2	X	2	-	2	2	X	X	TEV
Sulfuric Acid (to 10%)	X	2	X	X	X	X	X	X	X	TVEN
Sulfuric Acid (10-75%)	X	X	X	X	-	-	X	X	X	TVEN
Sulfurous Acid	X	2	X	2	X	-	X	A	X	TV
Tannic Acid	X	-	X	X	2	2	-	A	X	T
Tanning Liquors	-	2	2	1	1	1	-	-	-	TVNB
Tartaric Acid	X	-	2	-	1	1	-	A	A	TVNB
Titanium Tetrachloride	2	X	X	X	-	-	2	X	X	TV
Toluene	1	1	1	1	1	1	1	X	A	TV
Tetrahydrofuran	1	-	2	X	1	2	-	X	A	T
Trichloroethylene	2	-	2	1	-	-	-	X	A	TV
Triethanolamine	2	X	2	2	2	2	2	X	A	TVE
Triethylamine	-	-	-	-	2	2	2	X	X	TVB
Trisodium Phosphate	2	2	-	X	-	-	2	A	X	TBNV
Turpentine	2	X	2	2	1	1	1	X	X	TVB
Urea	2	-	2	-	-	-	-	X	A	TVBN
Urine	2	-	-	-	1	1	-	X	A	TVB
Vinegar	2	X	2	2	2	2	2	A	-	TVN
Water (Distilled)	X	2	2	X	2	2	X	A	A	TEVBN
Water (Sea)	3	2	2	2	2	2	2	A	A	TEVNB
Whiskey	2	2	2	3	1	1	2	-	A	TVNB
White Liquor (Pulp)	3	-	3	2	2	2	3	A	A	TEV
Wine	X	2	2	3	1	1	2	A	A	TNVB
Xylene	2	2	2	2	2	2	2	X	A	TV
Zinc Chloride	X	X	X	X	X	2	-	A	-	TEVBN
Zinc Nitrate	-	-	-	-	2	2	-	A	-	TV
Zinc Sulfate (30%)	X	2	2	X	1	1	2	A	X	TEVBN





DISCLAIMER:

The content of this Catalogue is provided for information only. It is a general guide to Hose and Fittings. It is not intended to be a use or technical manual. Information in this Catalogue is subject to change without notice.

Austrahose (SA) Pty Ltd makes all reasonable efforts to ensure that the information contained in this Catalogue is accurate and current, Austrahose (SA) makes no representations about the accuracy, reliability, completeness or timeliness of the information in this catalogue.

To the extent permitted by law, Austrahose (SA) Pty Ltd makes no warranty, express or implied, and assumes no liability in connection with the use of information contained in this Catalogue. You must ensure that you take appropriate precautions in relying on or acting on the information in this Catalogue.

References to third party products or services in this Catalogue do not constitute an endorsement of them.



Austrahose (SA) Pty Ltd

PO Box 1562, Port Adelaide BC, SA 5015
9 - 11 Endeavour Drive, Port Adelaide SA 5015

Phone: (08) 8240 2222

Fax Sales: (08) 8240 5656

Email: hose@hose.net.au

Web: www.hose.net.au

