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HOSE & FITTINGS

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HOSE ASSEMBLY & TESTING SERVICE

Hose Assembly

NZ Safety Blackwoods can assemble a variety of end connections onto different types of hoses such as stainless steel, corrugated, rubber, PVC and composite hoses. All our assembled hoses can be tested and certified, either in-house or on location.

Hose Testing/Inspections

NZ Safety Blackwoods is able to test hoses within the petrochemical, food processing, marine, transportation, contracting and manufacturing industries. The hoses we test can cover the full range of industrial applications.



Our Services Include:

- Testing carried out by NAHAD accredited staff
- Testing and inspections tailored to customers' needs and requirements
- On-site inspect, test, repair and replace hose assemblies
- Off-site inspect, test, repair and replace hose assemblies

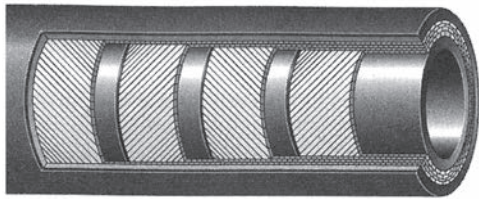
Online Hose Register & Tracking System "InfoChip"

- Company InfoChip login is set up
- Data from site survey is upload to InfoChip
- Customers are given one on one training on InfoChip
- Hoses can also be micro-chipped for better tracking



KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

BASIC HOSE CONSTRUCTION



Cover

The cover is the outermost or visible area of the hose. It is designed to be a protective covering against wear, abrasion, cuts, weather and the general destructive action encountered in normal service.

Tube or Lining

The tube is the innermost element of a hose and is compounded to provide resistance to the material being carried. With the wide range of rubber compounds available, a hose can be built to withstand abrasive materials, chemicals, oil and a wide variety of other materials.

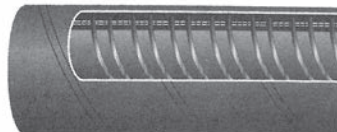
Body or Carcass

The body reinforcement is the supporting structure of the hose. It can range from simple to complex combinations and consists of cord, yarn, fabric, wire or any combination of these.

DEFINITIONS OF HOSE ENDS



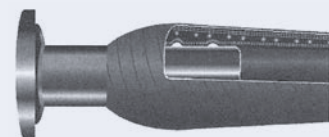
Plain End



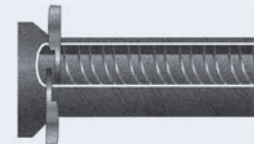
Integral Rubber Tapered Nozzle End



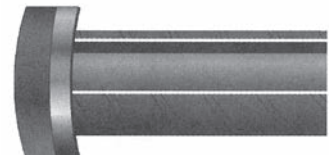
Built-in Nipple End



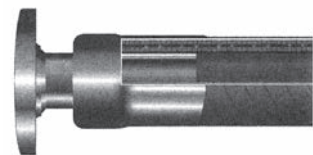
Rubber Beaded End



Capped End



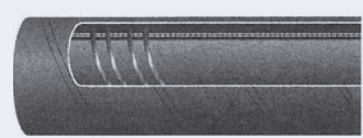
Integrated Rubber Flanged End



Enlarged End



Soft End



CUSTOM BUILT RUBBER HOSES

Typically required hoses include:

- Dock hoses and bunkering hoses for the petro-chemical industry
- Slurry hoses, super abrasion resistant hoses, cement hoses
- Acid & chemical transfer hoses
- Milk tanker hoses, milk reception hoses, butter hoses, food & beverage hoses, wine hoses
- Hot and cold water suction & discharge hoses
- Marine wet exhaust hoses and sleeves
- Flexible hot water radiator hoses
- Large bore pump suction hoses
- Air bladder tubes for industry
- Road sweeper hoses

All hoses can be hand built to customer specification, fully tested and certified before despatch. Special branding and identification requirements can also be met. For further details contact our specialists at hoseandflow@nzsafetyblackwoods.co.nz

RUBBER HOSE - WATER SUCTION & DELIVERY

V214 Water Suction & Discharge Hose

Application: General purpose suction and discharge hose for use in medium to heavy duty operations

Tube: NR/SBR Blended

Reinforcement: Synthetic fabric plies (2) with wire helix

Cover: Black SBR/EPDM

blended; wrapped finish

Temperature Range:

-20°C to +70°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 25	35	150	0.85	30	04809366
▶ 32	43	150	1.11	30	04809463
▶ 38	49	150	1.55	30	04809565
▶ 50	63	150	2.08	30	04809764
▶ 63	76	150	2.66	30	04809866
▶ 75	88	150	3.19	30	04809969
▶ 100	118	150	5.23	30	04800164
▶ 125	145	150	6.15	30	06824708
▶ 150	170	150	8.97	30	04810465

RUBBER HOSE - AIR & WATER

V204 Water Discharge Hose

Application: General purpose hose for use in heavy duty service for a wide range of applications

Tube: NR/SBR blended

Reinforcement: Synthetic fabric plies (2)

Cover: Black SBR/EPDM

blended; wrapped finish

Temperature Range:

-20°C to +70°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Length m	Part Number
▶ 19	28	150	0.53	30	04098435
▶ 25	34	150	0.67	30	04098452
▶ 32	42	150	0.93	30	04098469
▶ 38	48	150	1.13	30	04098486
▶ 50	61	150	1.42	30	04098503
▶ 63	74	150	1.91	30	04098520
▶ 75	89	150	2.44	30	04098537
▶ 100	114	150	3.03	30	04098554
▶ 150	165	150	4.02	30	04098588

Black Frontier Air & Water Hose

Application: Economical air and water hose

Tube and Cover: Black Versigard®

synthetic rubber

Reinforcement: Spiral synthetic yarn

Temperature Range: -40°C up to +88°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Length m	Part Number
▶ 6	13.0	200	0.13	152.4	05244184
▶ 8	15.0	200	0.18	152.4	05244201
▶ 10	17.2	200	0.22	152.4	05244252
▶ 12	22.0	200	0.30	152.4	04810766
▶ 16	25.0	200	0.40	152.4	05244320
▶ 19	29.4	200	0.51	152.4	04810863
▶ 25	36.5	200	0.80	137.2	04810964

Neptune™ 3000 Pressure Washer Hose



Application: Neptune™ 3000 hose is designed for use on pressure washer/water blasting machines with working pressures up to 3,000psi

Tube: Black chemigum synthetic rubber

Reinforcement: 1 steel wire braid

Cover: Blue Hysunite™ synthetic rubber

Temperature Range: -29°C to +121°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
● 10	17.5	3000	0.36	152.4	05243963
● 13	20.8	3000	0.48	152.4	05244065

Other colours available on request

Also available ex our workshop as fitted ready to use assemblies with crimped hydraulic hose ends

Super Ortac® Air Hose (Bull Hose)



Application: Heavy duty service for air compressors – Excellent bend radius

Tube: Black nitrile synthetic rubber, RMA Class B medium oil resistance

Reinforcement: Braided (1) steel wire helix

Cover: Yellow Chemivic™ synthetic rubber, RMA Class B medium oil resistance

– MSHA approved

Temperature Range:

-29°C up to +100°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Part Number
▶ 51	64.3	1000	2.34	04127080

RUBBER HOSE - WASHDOWN

Fortress White Hot/Cold Washdown



Application: High quality, lightweight and economical washdown hose for carrying hot water in clean up service up to 93°C

Ideal for use in food processing plants, wineries, breweries, dairy factories, packing houses, bottling plants and canneries

Tube: Black Chemigum® rubber, RMA Class A (high oil resistance) non-FDA

Reinforcement: Spiral synthetic yarn

Cover: White Chemivic™

synthetic rubber



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 19	30	300	0.60	152.4	04811655
▶ 25	38	300	0.89	137.2	05244116

HANDY HINT

THINGS YOU NEED TO KNOW TO SPECIFY A HOSE

S = Size (ID and length)

T = Temperature

A = Application

M = Media

P = Pressure

E = Ends

D = Delivery

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Fortress 300 Washdown with Microban



- High quality hose for clean up services
- Manufactured with Microban product protection, which inhibits bacteria growth, mould and fungi
- Ideal for food processing plants, dairies, packing houses, bottling plants, wineries, breweries and canneries

Tube: Black nitrile synthetic rubber

Reinforcement: Spiral synthetic yarn

Cover: Yellow Carbryn® synthetic rubber, RMA Class A (high oil resistance) with Microban® product protection. The Microban® hose cover protection is intended to protect the hose cover only

Temperature Range: -29°C to +93°C

Working pressure: 2.1Mpa (approximate 304.57 Psi)



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 13	22.8	300	0.46	152.4	06066219
▶ 19	30.2	300	0.65	152.4	06066202
▶ 25	38.1	300	0.97	137.2	06066185

Also available in working pressures of 6.9MPa and 20.7MPa

FDA Blue Fortress 300 with Microban



- High quality construction for hot water flow up to 99°C
- High abrasion and oil resistant cover
- Manufactured with Microban product protection, which inhibits bacteria growth, mould and fungi
- Ideal for food processing plants, dairies, packing houses, bottling plants, wineries, breweries and canneries

Tube: White FDA compliant nitrile synthetic rubber

Reinforcement: Spiral synthetic yarn

Cover: Blue Carbryn™ synthetic rubber, RMA Class A (high oil resistance) with Microban® product protection

Temperature Range: -29°C to +99°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Roll Quantity Length	Part Number
▶ 13	22.8	300	0.45	152.4	00640636
▶ 19	30.2	300	0.65	152.4	00640653
▶ 25	38.1	300	0.95	137.2	00640670

RUBBER HOSE – FOOD & BEVERAGE

EZ Glide™ Wine



- Non toxic hose for handling wine, potable water and other non-oily liquid food products
- Discharge and suction up to 20' hg vacuum at ambient temperature

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

Reinforcement: Synthetic fabric piles

Cover: Grey Chemivic™ rubber and green outer helix

Temperature Range: -20°F to +180°F (Maximum 200°F for cleaning purposes only)



Nominal Bore mm	Outside Dia mm	Max Working Pressure psi	Bend Radius mm	Part Number
▶ 38	52.4	150	76	418539
▶ 50	65.9	150	76	418540
▶ 80	91.7	150	127	418541

Trix Multifood



- Universal hose for a wide array of food industries
- Food industries similar to: cheese production, dairy, large scale catering and fish processing and slaughter houses

Tube: White, homogeneous, smooth, NBR lining, absolutely neutral to taste and odour

Reinforcement: Synthetic fibres

Cover: White, smooth NBR cover, resistant to ozone, weather, UV, oils, fats and abrasion

Temperature Range: -20°C to +90°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Bend Radius mm	Max Length m	Part Number
▶ 19	31	290	150	40	417296
▶ 25	39	290	200	40	417297

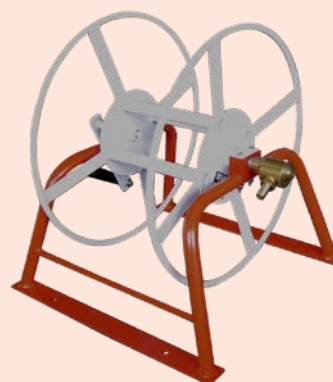
PRODUCT INSIGHT

GECO INDUSTRIAL HOSE REELS

- Manufactured in New Zealand
- All steel welded construction
- Zinc plated and powder coated
- Fittings are BSP male tapered thread
- Capacity is a function of hose O.D.

For more detailed information contact
hoseandflow@nzsafetyblackwoods.co.nz

NZ SafetyBlackwoods



Vintner™ Reserve



Application: For handling in-plant and/or tank truck transfer of wine, beer, potable water and other non-oily liquid foodstuffs. Flexible, and extremely lightweight it complies with FDA, 3-A, and USDA standards. All sizes rated to a maximum working pressure of 1.7Mpa for actual service conditions the Vintner™ hose can withstand +104°C which allows the hose to be steam cleaned

Tube: White chlorobutyl rubber

Reinforcement: Spiral plied synthetic fabric with monofilament helix

Cover: Grey Versigard® synthetic rubber with purple spiral stripe, wrapped finish



Nominal Bore mm	Outside Dia mm	Bend Radius mm	Max Lengths m	Weight kg/m	Part Number
▶ 25	41.0	76	30.48	1.06	426749
▶ 38	53.6	102	30.48	1.46	426750
▶ 51	68.0	177	30.48	2.05	426751
● 64	81.5	254	30.48	2.65	426752
▶ 76	97.9	304	30.48	3.86	426753

ExtremeFlex® Brewers Ezy Clean



Application: Ideal for beer, wine, distillery and beverage transfer processing facilities. Offers superior flexibility and is lightweight

Tube: White Chlorobutyl (FDA/USDA compliant and conforms to 3-A Sanitary Standard 18-03) full vacuum rating – does not impart taste and free of phthalates

Reinforcement: Spiral plied synthetic fabrics with double wire helix

Cover: Corrugated red EZ clean UHMWPE cover

Temperature range: -34°C to +104°C



Inside Dia mm	Outside Dia mm	Max Working Pressure psi	Bend Radius mm	Part Number
● 25.4	38.7	250	51	03504422
▶ 38.1	51.6	250	76	03504439
▶ 50.8	64.5	250	102	03504456
● 76.2	91.5	200	152	03504490
● 101.6	117	150	203	03504507

Purple Snake Brewers Hose



- Perfect for breweries, wineries and other types of alcoholic beverage industries
- Is flexible and pressure resistance in extreme working conditions
- Complies with EG1935/2004 and EG 2023/2006

Tube: White EPDM, completely neutral to taste and odour (FDA compliant, and conforms to 3-A Sanitary Standard 18-03)

Reinforcement: Synthetic fibres

Cover: Red EPDM patterned special cover, resistant to ozone, weather and UV and abrasion

Temperature Range: -30°C to +90°C – can be steamed up to 130°C (max. 30 minutes)



Nominal Bore mm	Outside Dia mm	Max Working Pressure psi	Bend Radius mm	Part Number
▶ 13	20	232	80	483675
▶ 19	29	232	120	483676
▶ 25	37	232	160	483677
▶ 32	48	232	190	483678
▶ 38	56	232	230	483679
▶ 50	66	232	300	483680

RUBBER HOSE – STEAM

Flexsteel® 250 Steam Hose



- Used for open ended or permanent installed operations
- Ideal for: Cleaning, heat control, fire prevention, pumping, thawing, blow out service and steam pumps

Tube: Black Pyrosyn® synthetic rubber

Reinforcement: Braided steel wire (19 & 25mm sizes have 2 steel wire braids)

Cover: Red Pyrosyn® synthetic rubber, smooth finish, pin pricked

Temperature Range: -18°C to +232°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 13	26.9	250	0.6	60.96	05637037
▶ 19	32.5	250	0.73	60.96	05637054
▶ 25	41.4	250	1.16	30.48	05637071

Other colours available on request

IMPORTANT: To extend hose life ensure hose is drained thoroughly after use

Plicord® 250 Steam Hose



- Used for all around steam service in chemical plants, refineries, shipyards and demanding industrial service
- It is recommended for cleaning, thawing, blowout service, steam pumps, hoists and other applications involving steam

Tube: Black Versigard® synthetic rubber

Reinforcement: Spiral plied steel wire

Cover: Red Versigard® synthetic rubber with yellow brand for colour coding (wrapped impression)

Temperature Range: -18°C to +208°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 32	45.9	250	0.60	30.48	04127284
▶ 38	53.1	250	1.53	30.48	04127301
▶ 50	70.6	250	2.80	30.48	04127318

IMPORTANT: To extend hose life ensure hose is drained thoroughly after use

SAFETY TIP

STEAM ALERT

Pressurised steam is an extremely dangerous commodity. Only hoses that have been approved for steam service should be used for any steam application.

It is advisable to always follow the manufacturer's product recommendation.



KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

RUBBER HOSE - MULTI-PURPOSE

Variflex 300 Multi-Purpose Hose



- Economical multi purpose rubber hose
- Non-conductive, minimum electrical resistance great than one mega ohm per inch of length of hose at 1000 V DC
- Idea for compressor, pneumatic tools with good resistance from petroleum and oil based product

Tube: Nitrile synthetic rubber, RMA class A (high oil resistance)

Reinforcement: Spiral synthetic yarn

Cover: Red Chemivac™ synthetic rubber, RMA Class A (high oil resistance)



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
6	13.5	300	0.15	152.4	05244439
8	15.9	300	0.21	152.4	05244490
10	17.5	300	0.23	152.4	01061810
13	21.4	300	0.32	152.4	00997397
16	25.4	300	0.43	152.4	01062116
19	28.6	300	0.50	152.4	00803250
25	37.3	300	0.80	152.4	00803233
32	45.6	250	1.11	122.0	05244541
38	53.2	250	1.44	91.44	05244609

Also available in blue

Gorilla Multi-Purpose Hose



- Premium quality multi purpose rubber hose
- Non-conductive, minimum electrical resistance great than one mega ohm per inch of length of hose at 1000 V DC
- Idea for mines railroads, agriculture, oil and gas industry and construction sites

Tube: Chemigum® synthetic rubber, RMA Class A (high oil resistance)

Reinforcement: Spiral Flexten® yarn

Cover: Yellow Carbryn® synthetic rubber, RMA Class A (high oil resistance) – MSHA

Approved with superior abrasion resistance

Temperature Range: -29°C to +99°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
19	30.2	500	0.61	152.4	04109672
25	38.1	500	0.86	137.2	04109689
32	45.2	500	1.18	137.2	05636510
38	51.8	500	1.27	91.44	05636527

RELATED PRODUCT

Spill Pack

- Absorption capacity up to 30L
- Suitable for small workplace spills and can be easily carried in a handy sports bag



SEE SITE SAFETY: CHAPTER 04

Flexagrip Push-On Hose



- Use with push on fittings (Max. working pressure of 2.07MPa (400psi)
- Non-conductive, minimum electrical resistance great than one mega ohm per inch of length of hose at 1000 V DC
- Ideal for low pressure hydraulic pneumatic systems. (i.e. Robotics, general maintenance and automotive applications)

Tube: Chemivac™ oil and heat resistant rubber; RMA Class A high oil resistance

Reinforcement: Braided high strength yarn laid at an angle for strength and coupling holding ability

Cover: Carbryn® black abrasion and oil resistant rubber; RMA Class A high oil resistance



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
6	12.0	400	0.12	152.4	05636544
8	15.7	400	0.21	152.4	05636561
10	17.0	400	0.19	152.4	05636578
13	19.3	400	0.21	152.4	05636595
16	23.6	400	0.28	152.4	05636612
19	26.9	400	0.36	152.4	05636629

Other colours available on request

RUBBER HOSE - ACID & CHEMICAL

PureOne Chemical Suction Hose



Application: Suitable for suction and discharge service, it will handle the majority of common industrial chemicals used today (please check chemical reference chart for recommendations). PureOne is suitable for potable water applications and other food applications such as transferring high-proof alcohol. Synthetic fabric with double wire helix Blue abrasion and ozone resistant EPDM rubber

Tube: UHMWPE conforms to FDA, USDA, 3-A standards and NSF-61 listed materials

Reinforcement: Synthetic fabric with double wire helix

Cover: Blue abrasion and ozone resistant EPDM rubber

Temperature Range: -40°C to +100°C



Nominal Bore mm	Outside Dia mm	Max WP Psi	Bend Radius mm	Vacuum HG mm	Part Number
19.1	30.5	200	102	737	428442
25.4	36.9	200	102	737	428443
31.8	43.3	200	102	737	428444
38.1	49.6	200	127	737	428445
50.8	63.9	200	152	737	428446
64.8	79.0	200	203	737	428447
76.2	91.7	200	229	737	428448
101.6	117.4	200	254	737	428449

NR Paint Spray Hose



- Premium quality multi purpose hose for handling a variety of paint fluids and agriculture pest / weed sprays
- Ideal for spray paints, finish paints, lacquers, thinners, turpentine, air, oil and some solvents and chemicals

Tube: Nylon, silicone free

Reinforcement: Braided synthetic yarn

Cover: Black synthetic rubber, RMA Class B (medium oil resistance)

Temperature range: -18°C to +88°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Max Length m	Part Number
10	17	750	152.4	05637139

RUBBER HOSE – PETROLEUM, FUEL & OIL

V404 Oil Suction & Discharge Hose



Application: General purpose suction and discharge hose used to transfer gasoline, oil and other petroleum based products

Tube: NBR

Reinforcement: Synthetic fabric plies (2) with wire helix

Cover: NBR wrapped finish

Temperature Range: -20°C to +70°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Length m	Part Number
▶ 25	36	150	0.83	30	04129103
▶ 32	43	150	1.07	30	04129120
▶ 38	49	150	1.21	30	04129137
▶ 50	63	150	1.76	30	04129171
▶ 63	77	150	2.37	30	04129290
▶ 75	89	150	2.83	30	04129324
▶ 100	118	150	4.67	30	04129375

V401 Petrol & Oil Delivery Hose



Application: General purpose discharge hose used to transfer gasoline, oil and other petroleum based products

Tube: NBR (Oil resistant)

Reinforcement: Synthetic fabric plies (2)

Cover: NBR (Oil resistant) wrapped finish

Temperature Range: -20°C to +70°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Length m	Part Number
▶ 19	29	150	0.56	30	04127335
▶ 25	38	150	0.93	30	04127369
▶ 32	44	150	1.02	30	05780313
▶ 38	51	150	1.27	30	04127403
▶ 50	61	150	1.31	30	03466069
● 63	74	150	1.77	30	04127454
▶ 75	88	150	2.11	30	04127471
▶ 100	113	150	2.77	30	04127488

Plicord Extremeflex Petroleum



- Extremely flexible and lightweight hose
- Ideal for tank truck and in plant operation to transfer diesel, ethanol and gasoline based products (up to 60% aromatic content)

Tube: Black nitrile synthetic rubber (class a oil resistance)

Reinforcement: Spiral plied synthetic fabric with wire helix

Cover: Black Chemivac™ synthetic (corrugated)

Temperature Range: -40°C to +93°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Min Bend Radius	Part Number
▶ 19	30.5	250	19	04129086
▶ 25	36.8	250	25	09852884
▶ 32	43.5	250	32	09852901
▶ 38	48.5	250	38	09852918
▶ 51	61.8	250	51	09852935
▶ 63	76.1	200	64	09852952
▶ 75	88.8	200	76	09852969
▶ 102	115.7	150	101	09852986
● 152	168.1	150	146	09853003

Flexsteel Petrol Hose to AS2683



- Petrol pump hose with premium hardwall offering ultimate kink resistance.
- Working pressure 250Kpa with a 4:1 safety factor for applications other than petrol dispensing
- Meets the performance criteria of AS 2683:2000 type 4, grade 2, kind 1 & 2 and BS 3395:1989 type 3

Tube: Black Chemigum® (Nitrile)

Reinforcement: Single braided high tensile wire

Cover: Black Chemivac™ (Nitrile blend)

Temperature Range: Petrol dispensing applications should only be operated at ambient temperatures -29°C to +82°C for applications other than petrol dispensing



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 16	26.14	36	0.64	152.4	05636884
● 19	31.75	36	0.68	152.4	05636918
▶ 25	35.28	36	0.78	152.4	05636952

Pyroflex® Hot Tar Wand Hose



Application: High quality wand hose used with asphalt crack filling applicator and dispensing service

Tube: Black Chemigum® synthetic rubber (special heat resistant)

Reinforcement: Spiral plied steel wire braid

Cover: Black Wingprene® synthetic rubber (wrapped finish) flame retardant

Temperature Range: -32°C to +177°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 19	33.8	300	0.95	60.96	04123153
▶ 25	40.9	300	1.25	60.96	01000831

Aggie Gas Fuel Hose



Application: Multi-use hose for dispensing gasoline, grease, kerosene and petroleum oils from farm and barrel type pumps

Designed for the rural market and industrial service where UL approved hoses are not a requirement

Tube: Black Chemigum® synthetic rubber

Reinforcement: Spiral synthetic yarn with static wire

Cover: Black Chemivac™ synthetic rubber



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Lengths m	Part Number
▶ 19	28.6	50	0.4	152.4	05638482
▶ 25	34.9	50	0.77	152.4	05638499
▶ *25	34.9	50	0.77	152.4	00999879

Also available in red

*Assembled with hoesetail

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Chem Oil Helix



Application: Smooth bore tank truck hose with kink resistant steel helix for use with all petroleum based products up to 50% aromatic component
Complies with EN 12115:2011 and EN 1761

Tube: Black Nitrile Rubber (NBR), conductive

Reinforcement: Textile braids with steel wire helix

Cover: Black Chloroprene (CR), conductive

Resistant to swelling and diffusion

Does not stiffen and is flexible at low temperatures

Sensitive to ozone so unused hose must be stored with capped ends

Cover is resistant to abrasion and weather

Chem Oil is rated for maximum working pressure of 290psi

Temperature Range: -30°C to +82°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Bending Radius mm	Part Number
▶ 19	31	290	0.80	70	419281
▶ 25	37	290	0.90	80	419282
▶ 32	44	290	1.20	90	419283
▶ 38	51	290	1.40	100	419284

RUBBER HOSE - AUTOMOTIVE

Automotive Fuel Line SAE30R7 Hose



• Inner tube is a compound designed to resist petrol, oil, diesel fuel and other fuels.

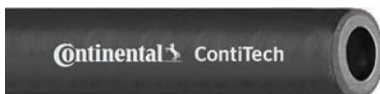
• Meets SAE J30R7 specifications

Tube: Black Chemigum® rubber

Reinforcement: Synthetic textile

Cover: Black Hysunite™ rubber, resistant to ozone, heat and oil

Temperature range: -40°C to +125°C



Nominal Bore mm	Outside Dia mm	Max Working Pressure psi	Length m	7.6m Coil
5	10	50	▶ 05244643	▶ 05636374
6	13	50	▶ 05244711	▶ 05636357
8	14	50	▶ 05244779	▶ 05636408
10	16	50	▶ 05244796	▶ 05636391
13	20	35	▶ 05244847	
16	24	35	▶ 05244881	

Automotive Air Brake Hose



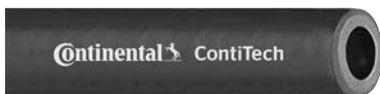
Application: For compressed air brake systems on trucks and buses
(Meets Table A 9003-SAE J1402A specifications and DOT FMVSS-106 requirements)

Tube: Black synthetic rubber

Reinforcement: Spiral synthetic cord which is oil resistant

Cover: Black synthetic rubber which is oil resistant

Temperature range: -40°C to +100°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Max Lengths m	Part Number
▶ 9.5	19	225	152.4	05638414
▶ 12.7	22	225	152.4	05638431

Blue Elite Radiator Hose



• Designed for heavy duty services with commercial, transportation industry and off road vehicles

• Compatible with ethyl glycol, resistant to incidental exposure to oil

• Meets SAE J20R1 requirements and D1 specifications

Tube: Black Versigard® rubber

Reinforcement: 2 plies of Flexten® cord

Cover: Blue Versigard® rubber

Working pressure: Continuous temperatures reaching 149°C and intermittent temperatures of 162°C



Mfr No.	Nominal Bore mm	Part Number
▶ 57214	22	05638091
▶ 57216	25	05638108
▶ 57218	28	05638125
▶ 57220	32	05638142
▶ 57222	35	05638159
▶ 57224	38	05638176
▶ 57226	41	05638193
▶ 57228	44	05638210
▶ 57230	48	05638227
▶ 57232	51	05638244
▶ 57234	54	05638261
▶ 57236	57	05638278
▶ 57238	60	05638295
▶ 57240	64	05638329
▶ 57244	70	05638346
▶ 57248	76	05638363
▶ 57256	89	05638380
▶ 57264	102	05638397

Blue Xtreme Heater Hose



• High temperature rated heater hose and ability to resist heat and electrochemical degradation

• More cost effective than silicone hoses

• Exceeds SAE30R3 Class D – HT (High Temp. designation)
- EC (electrochemical) specifications

Tube: High temperature black Verisgard® rubber

Reinforcement: 2 Ply Aramid (Kevlar)

Cover: High temperature Blue EPDM Wrapped Finish

Temperature Range: Suitable for maximum temperatures up to 149°C



Nominal Bore mm	Working Pressure psi	15.2m	76.2m	152.4m
13	60	▶ 05637377		
16	60	▶ 05637394	▶ 05638703	▶ 05795103
19	60	▶ 05637411	▶ 05638720	
25	45	▶ 05637428		

Standard Black Car Heater Hose



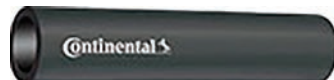
Application: Designed for transporting hot water through car heater systems. Specially compounded to provide long service life on most vehicles at an affordable price.

Similar to SAE20R3 Class D-2

Tube and Cover: Black Versigard® to resist ozone, heat and oil

Reinforcement: Synthetic textile

Temperature range: -40°C to +121°C



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Length m	Part Number
▶ 13	20	60	0.24	152.4	05639332
▶ 16	23	60	0.32	152.4	05639349
▶ 19	27	60	0.38	152.4	05639366

Automotive Washer/Vacuum Tubing



- Meets SAE J200 AA807 and is ideal for vacuum operated accessories
- Remains flexible at low temperatures and resists elevated under bonnet temperatures

Tube: Black Versigard® rubber which resists oil, grease and Ozone effects.



Mfr No	Nominal Bore in	Outside Dia in	Part Number
▶ 65111	5/32	3/16	05636425
▶ 65112	7/32	1/4	05636442

RUBBER HOSE - MARINE

Marine Fuel Fill Hose



Application: Plicord® SAE J1527 Type A2, ISO 7840 and CE Fuel Fill hose is designed specifically for the marine industry.

It is used for the connection for the vessel's fuel fill port down to the fuel tank. Continuous brand example SAE J1527, USCG TYPE A2, ISO 7840.

All sizes rated for 29" Hg Vacuum and available in maximum coil lengths of 30.48m.

Tube: Black nitrile synthetic rubber

Reinforcement: Spiral plied synthetic fabric with wire helix

Cover: Black Chemivac™ synthetic rubber



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Bend Radius mm	Weight kg/m	Part Number
▶ 19	30.0	100	47	0.51	05638992
▶ 25	35.0	100	51	0.64	05639009
▶ 32	43.2	100	70	1.01	05639026
▶ 38	47.1	100	92	0.97	05639043
▶ 51	61.7	50	107	1.50	05639060

BC Marina Fuel Hose



Application: Designed as a non marking petroleum dispensing hose for pleasure craft and commercial boats at fresh and salt water marinas. UL330 & ULC approved.

Tube: Black nitrile synthetic rubber

Reinforcement: Braided synthetic yarns with static wire

Cover: Green non-marking Chemivac™ synthetic rubber



Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Max Length m	Part Number
▶ 25	38.1	50	0.97	152.4	05637020

Marine Fuel Line Hose



- For Fuel feed and vent applications on small marine crafts
- Only hose to reduce permeation rating compared to standard automotive hoses made to SAE J30R7
- Designed specifically for marine industry USCG/SAW J1527 & ISO 7840 Type A1

Tube: Black nitrile synthetic rubber

Reinforcement: Spiral plied synthetic fabric with wire helix

Cover: Chemivac™ synthetic rubber (wrapped impression)



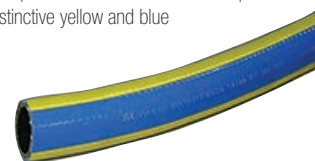
Nominal Bore mm	Outside Dia mm	Working Pressure psi	Weight kg/m	Part Number
▶ 6	16.5	49	0.25	05638907
▶ 8	18.0	49	0.28	05638924
▶ 10	19.8	49	0.30	05638941
▶ 13	22.6	36	0.39	05638958
▶ 16	26.9	36	0.52	05638975

PVC PRESSURE HOSE - AIR & WATER

Multiflex Pressure Hose



- High pressure airline and compressor hose which exceeds AS/NZS 2554 Class B for burst pressure and wall thickness requirements
- Extremely flexible, kink resistant with distinctive yellow and blue striping for high visibility
- Abrasion resistant
- Excellent low temperature flexibility



Nominal Bore mm	Outside Dia mm	Max Working Pressure MPa @ 20°C MPa	Max Length m	Part Number
▶ 6	12.8	2.0	100	06558148
▶ 8	14.8	2.0	100	06558165
▶ 10	16.6	2.0	100	06558182
▶ 13	19.3	2.0	100	06558199
▶ 20	29.0	1.6	100	06558216
▶ 25	34.6	1.6	100	06558233

Roscows Low Temp Air Line Hose



- Supreme quality air tool hose
- Extreme flexibility, especially at low temperature.
- 4:1 Burst pressure safety factor

Temperature Range: -20°C to +55°C



Nominal Bore mm	Outside Dia mm	Max Working Pressure MPa @ 20°C MPa	Min Length m	Max Length m	Part Number
10	16.6	250	1	100	05640097
12.5	19.3	250	1	100	05640233

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Air Hose – Assembled/Ready to Use

- Factory fitted air hoses ready to be supplied with male and female couplings
- 10mm I.D.



Length m	Part Number
10	03157553
20	05897902
30	05897919

PRODUCT INSIGHT

ELECTRONIC ASSET MANAGEMENT SYSTEM

Keep track of your assets with our Electronic Asset Management System. Benefits of this advanced system include:

- Improved traceability of valuable assets
- 24 hour/7 day access to registers via a secure web site
- Significantly improved time in the production of registers
- Removal of potentially dangerous errors which can occur when hand writing registers
- Highlighting of due or overdue assets in our online scheduler
- The removal of condemned assets is quicker resulting in faster replacement response ensuring compliance is maintained at all times
- Opportunity for your register to contain images of your assets for easy identification.

For more information contact our hose specialists on hoseandflow@nzsafetyblackwoods.co.nz



Divers Air Breathing Hose



- Approved braided divers air breathing hose which is also suitable for breathing apparatus for spray booths and sand blasting
- Outer cover pricked for added safety
- Complies to AS 2299 and AS/NZS 1716



Nominal Bore in	Outside Dia in	Max Working Pressure MPa @ 20°C MPa	Max Length m	Part Number
8	14.32	1.6	100	03784445
10	17.00	2.5	100	05642443

Budget PVC Pressure Hose

- Economical Blue PVC airline hoses with good flexibility and a smooth outer cover designed for workshop use



Nominal Bore mm	Colour	Max Working Pressure MPa @ 20°C MPa	Max Length m	Part Number
10	Blue	1.7	100	05640420

PVC PRESSURE HOSE – COLD WASHDOWN

Greenkeeper Washdown Hose



- Heavy duty cold water washdown hose ideal for parks, gardens, dairy washdown and cattle yards
- Excellent low temperature flexibility for ease of use and with a smooth outer cover



Nominal Bore in	Outside Dia in	Max Working Pressure MPa @ 20°C MPa	Max Length m	Part Number
19	27.5	1	100	04748265
25	34.5	1	100	04748362
32	43.2	1	100	04748464
38	51.0	1	60	04748566

Super Wash Cold Water Washdown Hose



- Ribbed black PVC cover with green stripe and black PVC inner tube
- Extreme flexibility at low temperatures

Temperature Range: -10°C to +50°C



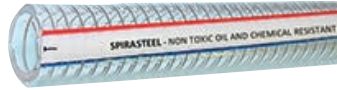
Nominal Bore mm	Outside Dia mm	Max Working Pressure MPa	Max Length m	Part Number
20	27.4	1	100	03223361
25	34.6	1	100	03223378
32	44.2	1	100	03223395
38	51.0	1	60	03223412

► PVC SUCTION HOSE – FOOD & BEVERAGE

Spirasteel Clear Suction Hose



- High quality multi purpose suction and discharge hose with a clear wall and excellent flexibility
 - Used widely in industrial, food & beverage processing, rural and marine applications
 - Certified Food Grade: FDA CFR 21/ EU REACH/ASNZ 2070
 - Non-toxic – Low odour
- Temperature Range:** -5°C to +60°C



Nominal Bore mm	Outside Dia mm	Min Burst Pressure MPa @ 20°C MPa	Max Length m	Part Number
▶ 6	11.0	6.0	100	05641015
▶ 9	16.0	5.3	30	01180827
▶ 12	19.0	3.9	30	01180861
▶ 15	22.0	3.4	30	01187440
▶ 19	26.5	2.9	30	01187457
▶ 25	33.0	2.4	30	01180878
▶ 32	41.0	1.9	30	01187474
▶ 38	48.0	1.7	30	01187491
▶ 50	60.5	1.3	30	01180895
▶ 63	76.0	1.1	20	05641168
▶ 75	90.0	1.1	20	01187525
▶ 100	116.0	0.7	20	01185502

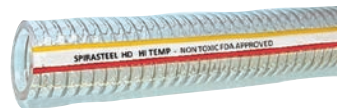
Spirasteel HD – Hi Temp Suction



- Great flexibility and clarity non-toxic – Low odour 100°C maximum temperature
- Exceptional clarity makes for an excellent 'racking' hose
- Flexibility, combined with a lightweight, makes this hose easier to bend, position and carry – this is an important asset for OHS issues
- High temperature rating makes it great for the honey and dairy industries, particularly where cleaning with hot water is applicable
- 30m coils

Temperature Range: -5°C to +100°C Note: Pressure & Vacuum performance decreases at temperatures above 29°C

Applications: Milk and dairy, honey canning and food packaging, and wine and beverage industries. Suitable for wine & spirits up to 28% proof. Smooth, glossy bore enables easy cleaning and reduces bacteria build up



Nominal mm I.D.	Nominal mm O.D.	Vacuum Rating kPa/20°C	Working Pressure @ 20°C psi	Weight kg/m	Min Bend Radius mm	Part Number
▶ 32	41.5	-90	90	0.82	180	02887067
▶ 38	49.0	-90	87	0.89	210	02887084
▶ 50	62.0	-90	73	1.25	230	02887101

Claret XHD Wine Suction Hose



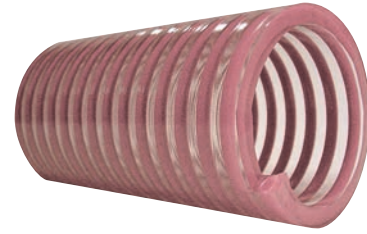
- Designed for liquid suction and can convey content with 28% alcohol content

Application: Wine and alcoholic content suction

Temperature Range: -15°C to +60°C

Certification: Triple Certified to meet AS/NZS 2070

USFDA 21 CFR parts 170 to 199 and to EU 2002/72/EC



Nominal Bore mm	Outside Dia mm	Vacuum Rating kPa @ 20°C	Max Working Pressure @ 20°C psi	Min Bend Radius mm	Max Lengths m	Part Number
▶ 25	34	-90	102	160	30	05641219
▶ 32	41	-90	102	190	30	05641236
▶ 38	48	-90	87	230	30	05641253
▶ 50	62	-90	73	290	30	05641270
▶ 63	76	-90	73	360	30	05641287
▶ 75	90	-90	65	450	30	05641304
▶ 102	117	-90	58	640	20	05641321
● 152	170	-90	50	1200	20	05641338

Extra Flex Wine Suction HD



- Heavy duty PVC suction hose
- Non-toxic
- Low odour with new improved triple certified compound
- Smooth, glossy bore enables easy cleaning & reduces bacteria build up

Application: Ideal for wine, canning and food packaging industries

Construction: Clear flexible PVC hose body with encapsulated red spiral reinforcement from high impact resistant rigid PVC

Temperature Range: -5°C to +60°C

Certifications: Certified to contain no Phenol or Phthalate compounds

Complies with AS/NZS 2070, USFDA 21 CFR parts 170 to 199 & to EU 2002/72/EC and all subsequent amendments up to 2014



ID mm	Outside Dia mm	Vacuum Rating kPa @ 20°C	Working Pressure @ 20°C psi	Weight kg/m	Min Bend Radius mm	Max Lengths m	Part Number
▶ 38	46.1	-80	75	0.76	230	20	05625783
▶ 51	60.2	-80	70	1.05	290	20	06600172
▶ 76	88.6	-80	65	2.31	450	20	00065508

PRODUCT INSIGHT

SPECIALIST HOSE MANUFACTURING & SERVICING

NZ Safety Blackwoods specialist hose and flow team have vast experience in specifying, assembling and servicing complex hose solutions to suit a broad range of industries.

With expert knowledge and extensive exposure to the infrastructure, food and beverage, rural and petrochemical environments, we design, assemble, install and service industry-leading hose and flow solutions for our customers throughout New Zealand.

Contact us on hoseandflow@nzsafetyblackwoods.co.nz

NZ Safety Blackwoods

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Ultima SP Hose

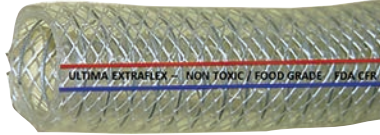


Application: Pressure or suction of any liquid that requires food grade hose with UV stabilization, for wine, canning and food packaging industries. Smooth, glossy bore enables easy cleaning and reduces bacterial build up. Suitable for wine and spirits up to 28% proof. FDA certified compound is non-toxic, food grade (non-taint) and very low odour.

Construction: Clear flexible PVC with steel helix and polyester braid.

Temperature Range: -15°C to +60°C

Certification: To FDA CFR 21 parts 175 to 199 and also AS/NZS 2070



ID mm	Outside Dia mm	Working psi	Weight kg/m	Min Bend Radius mm	Max Lengths m	Part Number
▶ 32	41.5	150	0.89	100	20	02883769
▶ 76	91.0	90	2.49	300	20	02883820

Ultima SP Stainless Steel Wire Hose

ID mm	Outside Dia mm	Working psi	Weight kg/m	Min Bend Radius mm	Max Lengths m	Part Number
▶ 25.4	33.4	200	0.58	80	20	426637
▶ 38.0	49.2	200	0.90	170	20	426638
▶ 51.0	62.0	200	1.29	300	20	426639

Clear Blue Suction & Delivery



Application: Suction and pressure hose for wine and beverages.

Construction: Clear flexible PVC body with blue spiral reinforcement and polyester braid.

Temperature Range: -5°C to +60°C

Certifications: FDA CFR 21 & AS/NZS 2070 Certified – Phenol free, phthalate free



Nominal mm I.D./O.D	Outside Dia mm	Working Pressure @20°C PSI	Vacuum Rating kPa/20°C	Min Bend Radius mm	Part Number
▶ 50.8	62.5	125	-90	290	483667

PVC PRESSURE HOSE - MULTI-PURPOSE

TMPII Multi-Purpose Hose



Application: Suitable as a non-toxic multi-purpose hose for transferring air, water, powdered foods and petroleum based products. Meets AS/NZS 2554:1998 Class B and AS/NZS 2070:1999 Food Contact standard.

Temperature Range: -10°C to +60°C

Tube: Glass, clear, smooth, PVC with blue tint

Reinforcement: Polyester with spiral red tracer

Cover: Glass, clear, smooth, PVC with blue tint



Nominal Bore in	Outside Dia in	Max Working Pressure MPa @ 20°C MPa	Max Length m	Part Number
■ 6	12	1.7	100	04193900
■ 8	14	1.7	100	04194006
■ 10	16	1.7	100	04194103
■ 12.5	19	1.7	100	04194200
■ 16	24	1.7	100	04415803
■ 20	28	1.7	100	04194307
■ 25	35	1.7	100	04194404
▶ 32	42	1.0	60	04294401
▶ 38	51	1.0	40	04194501
▶ 50	63	1.0	40	04194608

Gas AS1869 Hose



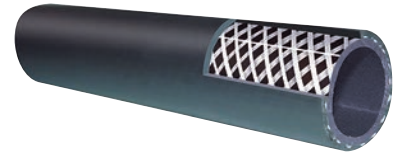
- For the flexible gas connection for portable and fixed appliances only. It has a black inner wall and orange outer cover.
- Hose meets the requirements of AS 1869C and should only be fitted and installed by qualified registered gas fitters and plumbers.



Nominal Bore in	Outside Dia in	Max Working Pressure MPa @ 20°C MPa	Max Length m	Part Number
▶ 5	13	2.6	100	05642137
▶ 6	14	2.6	100	05642154
▶ 10	18	2.6	100	05642171

Agricultural Spray Hose

- Designed to handle the chemicals used for weed and pest control spraying.

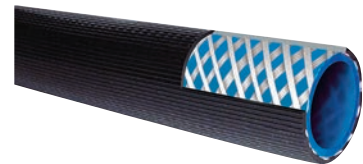


Nominal Bore mm	Min Burst Pressure MPa	Max Length m	Part Number
▶ 8	2280	100	06632625
▶ 10	2280	100	06632642
▶ 13	2000	100	06632659
▶ 19	1420	100	06632676

Chemspray 300 Agricultural



- For medium pressure weedicide, pesticide and general chemical transfer.
- All sizes rated to a max



Nominal Bore mm	Outside Dia mm	Max Working Pressure @20°C psi	Max Length m	Part Number
▶ 8	14.4	300	100	05210252
● 10	16.4	300	100	04752264
● 13	19.0	300	100	04752366
● 20	27.5	300	100	03034082
▶ 25	35.2	300	100	05210269

► PVC HOSE – LAYFLAT

Medium Pressure Layflat Hose

- Suitable for medium pressure water transfer
- Most useful when large quantities of water (flooding, disaster or emergencies) are needed to be moved
- Idea for Irrigation, drainage and dewatering



Nominal Bore mm	Working Pressure MPa	Weight kg/m	Max Lengths m	Part Number
▶ 40	1.0	0.30	100	04820154
▶ 50	1.0	0.42	100	04820256
▶ 65	1.0	0.54	100	04820358
▶ 75	0.9	0.66	100	04820461
▶ 100	0.9	1.00	100	04820558
▶ 150	0.7	1.68	100	04820654
▶ 200	0.5	2.20	100	05641916

Low Pressure Layflat Hose

- Suitable for low pressure water transfer
- Most useful when large quantities of water (flooding, disaster or emergencies) are needed to be moved
- Idea for Irrigation, drainage and dewatering



Nominal Bore mm	Working Pressure MPa	Weight kg/m	Max Lengths m	Part Number
▶ 25	0.70	0.16	100	05641865
▶ 32	0.70	0.20	100	05641882
▶ 40	0.50	0.21	100	08751212
▶ 50	0.45	0.27	100	01331419
▶ 65	0.40	0.40	100	00512019
▶ 75	0.40	0.57	100	02966812
▶ 100	0.40	0.75	100	00434954
▶ 150	0.30	1.25	100	00435454
▶ 200	0.30	1.93	100	04819158
● 250	0.25	2.65	100	05641899

PRODUCT INSIGHT

CUSTOM HOSE ASSEMBLY TO SUIT YOUR REQUIREMENTS

We stock and custom build a comprehensive range of hoses assemblies tailored to suit a diverse range of industries. Our assembly capacity includes crimping, wire whipping, fitting to a band, and welding a vast selection of fittings, including camlocks, hosetails, flanges and sanitary fittings.

Rubber

Used for applications such as product transfer between tanks, vessels and trucks, as well as chemical and washdown processes.

PVC

Used for product transfer, especially applications that require visibility of product through the hose.

Composite

Used to transfer caustic and acidic chemicals, and for tallow, fat and oil products.

Braided stainless

Used for high temperature applications such as steam operations.

For more information contact our hose specialists on hoseandflow@nzsafetyblackwoods.co.nz

NZ Safety Blackwoods



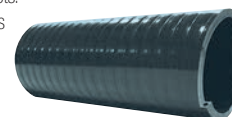
► PVC SUCTION HOSE – GENERAL PURPOSE

NIBLAK – Black MD Petroleum & Oil Suction



A medium duty chemical suction and discharge hose which is extremely flexible and offers a lightweight alternative to heavier hose products. Suitable for collection of waste, pumping the contents of grease pits, sewage, fuels, lubricants and most common chemicals.

Temperature Range: -5°C to +60°C



Nominal Bore mm	Outside Dia mm	Vacuum Rating kPa/20°C	Working Pressure @20°C psi	Min Bend Radius mm	Max Length m	Part Number
■ 20	25	-80	130	110	30	05640760
■ 25	32	-80	130	120	30	05640777
■ 32	39	-80	116	150	30	05640794
■ 38	46	-80	101	200	30	05640811
■ 51	60	-80	87	300	30	05640828
▶ 63	74	-80	87	400	30	05640845
▶ 76	89	-80	73	450	30	05640862
▶ 102	116	-70	58	600	20	05640879
▶ 127	143	-70	–	850	20	05640896
▶ 152	170	-70	–	1100	20	05640913

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Tigertail Suction Hose



- An extremely flexible suction and discharge hose with a hard wearing exposed rigid PVC spiral
 - Excellent chemical resistance making the hose suitable for diesel fuels, petrol, oils, sewage, and common chemicals
 - Max. working pressure at 20°C 0.3MPa (43.5PSI)
- Temperature Range:** -5°C to +60°C



Nominal Bore mm	Outside Dia mm	Vacuum Rating kPa/20°C	Min Bend Radius mm	Max Length m	Part Number
▶ 50	61	-80	220	12	05900146
▶ 75	90	-80	350	12	05900180
▶ 102	118	-80	450	12	05356809
▶ 152	167	-80	500	12	05356826
● 203	222	-80	650	12	05900214

180AR Material Handling Hose



- Rigid PVC helix which is suitable for suction and delivery.
- Resistant to Static, abrasion
- UV stabilised

Applications: Water & light chemical solutions, vacuum & abrasive dust collection

Temperature Range: 0°C to 60°C



Nominal Bore mm	Outside Dia mm	Bend Radius mm	Working Pressure psi	Vac m@h/20	Weight kg/m	Part Number
▶ 50	60.2	60	40	10.3	0.73	02895431
▶ 65	75.0	65	35	10.3	0.98	02895448
▶ 76	88.4	76	35	10.3	1.36	02895465
▶ 90	105.0	100	30	10.3	1.75	02895482
▶ 102	118.0	115	30	10.3	2.03	02895499
▶ 125	147.0	125	30	9.6	3.11	02895516
▶ 150	172.2	235	30	9.3	4.28	02895533
▶ 200	230.0	380	30	9.3	6.33	02895550

Spiraflex® Vacuum Hose



- Designed for dust collection and exhaust transmission



Nominal Bore mm	Outside Dia mm	Bend Radius	Max Length m	Part Number
▶ 25	31.0	64	30.48	05636646
▶ 32	38.1	84	30.48	05636663
▶ 38	44.7	97	30.48	05636680
▶ 51	59.7	140	30.48	05636697
▶ 64	72.9	178	30.48	05636714
▶ 76	86.9	203	30.48	05636731
▶ 102	115.1	356	30.48	05636748

COMPOSITE HOSE – ACID & CHEMICAL

Transchem Hose



Application: Transchem is suitable for transfer of acids and alkalines
Transchem – S has the suitability for applications involving corrosive atmospheres and splash

Note: Electrical continuity can be maintained by baring the inner wire (removing the polypropylene coating) to allow a positive connection to the fitting – this process however may introduce a potential corrosion path to the inner wire

Colour Code: Grey outer with red or marked white stripe

Manufacturing standards: Manufactured to EN13765 Type 2

Wires: Transchem (Inner) – Polypropylene coated steel wire (Outer) – Galvanised zinc coated steel wire Transchem – S – (Inner) Polypropylene coated steel wire (Outer) – SS316

Temperature range: Depending on the conveyant -30°C to +80°C

Safety factor: 4:1



Nominal Bore mm	Outside Dia mm	Working Pressure Bar	Bend Radius mm	Weight kg/m	Max Lengths m	Part Number
▶ 38	64	10	160	1.8	20	01064275
▶ 50	82	10	180	2.6	20	00823905
▶ 75	92	10	220	3	20	00824041
▶ 100	120	10	350	5.4	20	00824109

Solchem-S Hose



Application: Solchem is suitable for the transfer of various acids and alkalines where the conveyant may be corrosive to the galvanized inner wire
Solchem-S has the added suitability for applications involving corrosive atmospheres and splash

Colour Code: Orange outer with blue or marked white stripe

Manufacturing Standards: Manufactured to EN13765 Type 2

Wires: SOLCHEM (Inner) – SS316 (Outer) – Galvanised zinc coated mild steel
SOLCHEM – S (Inner) – SS316 (Outer) – SS316

Temperature range: Depending on the conveyant -30°C to +80°C

Safety factor: 4:1



Nominal Bore mm	Outside Dia mm	Working Pressure Bar	Bend Radius mm	Weight kg/m	Max Lengths m	Part Number
▶ 25	38	10	90	1	20	05923011
▶ 38	52	10	120	1.6	20	05923028
▶ 50	64	10	150	2	20	05558429
▶ 75	92	10	210	3.2	20	05558446
▶ 100	120	10	340	6	20	06323429

Other sizes from 25 – 200mm available on request

COMPOSITE HOSE – PETROLEUM, FUEL & OIL

Petrofuel Light Hose



Application: Petrofuel Light is a lightweight suction discharge hose mainly for the transfer of petroleum products by road and rail tankers, for applications where the weight of the hose is an issue

Colour Code: Yellow outer with marked white stripe (standard [others on request])

Manufacturing Standards: Manufactured to EN 13765 Type 1 and AS 2683 Type 1 and Grade 1,2 & 3

Wires: (Inner) – Aluminium (Outer)

– Galvanised zinc coated mild steel

Temperature Range: Depending on the conveyant -20°C to +60°C

Safety Factor: 6:1



Colour	Nominal Bore mm	Outside Dia mm	Working Pressure Bar	Bend Radius mm	Weight kg/m	Part Number
▶ Blue	100	112	4	200	2.80	07847309
▶ Orange	100	112	4	200	2.80	07847343
▶ Green	100	112	4	200	2.80	07847326
▶ Yellow	100	112	4	200	2.80	05643072

Transfuel Hose



Application: Transfuel is a suction and discharge hose mainly for the transfer of petroleum products by road, rail tankers and loading gantries

It is not advisable to use this hose with aviation fuels due to possible contamination from zinc flakes

Colour Code: Green outer with yellow or marked white stripe

Manufacturing Standards: Manufactured to EN 13765 Type 2 and AS 2683 Type 1 Grade 1,2 & 3

Wires: (Inner) – Galvanised zinc coated mild steel (Outer)

– Galvanised zinc coated mild steel

Temperature Range: Depending on the conveyant -30°C to +80°C

Safety Factor: 10bar at 4:1 per

EN 13765 – 7bar at 6:1 per AS 2683



Nominal Bore mm	Outside Dia mm	Working Pressure Bar	Bend Radius mm	Weight kg/m	Part Number
▶ 25	32	7	50	1.2	05558463
▶ 38	50	7	75	1.4	05558497
▶ 50	62	7	80	1.7	05558514
▶ 65	78	7	90	2.6	05558531
▶ 75	89	7	125	3.1	05558548
▶ 100	114	7	220	4.1	05558565

Transoil Hose



Application: Transoil is especially suitable for the suction and discharge transfer of petroleum products in in-plant and light duty dockside applications

It is an excellent hose for the conveying of tallow and high aromatic hydrocarbons

Colour Code: Black outer cover with yellow or marked white stripe

Manufacturing Standards: Manufactured to EN 13765 Type 2 and AS 2117 Type 2 Grade 1 & 2

Wires: (Inner) – Galvanised zinc coated mild steel (Outer)

– Galvanised zinc coated mild steel

Temperature Range: Depending on the conveyant -30°C to +80°C

Safety Factor: 4:1



Nominal Bore mm	Outside Dia mm	Working Pressure Bar	Bend Radius mm	Weight kg/m	Part Number
▶ 25	38	10	90	1.3	05558582
▶ 38	52	10	120	1.6	05558599
▶ 50	64	10	150	2	05558616
▶ 65	80	10	180	2.7	05558633
▶ 75	92	10	250	3.2	05558650

Transdock Hose



Application: Transdock is suitable for heavy duty suction and discharge transfer of petroleum products in road and rail tanker, dockside and ship to shore applications Transdock-S has the added suitability for applications involving corrosive atmospheres and splash

Colour Code: Royal blue outer with marked white stripe

Manufacturing Standards: Manufactured to EN 13765 Type 3 (100 – 200mm), Type 2 (250mm) and AS 2117;1991 Type 2 Grade 1&2 and IMO IBC Code

Wires: Transdock (Inner)– Galvanised zinc coated mild steel (Outer) – Galvanised zinc coated mild

Temperature Range: Depending on the conveyant -30°C to +80°C

Safety Factor: 14bars at 4:1 per EN 13765 and AS 2117 – 11bars at 5:1 per IMO IBC Code



Nominal Bore mm	Outside Dia mm	Working Pressure Bar	Bend Radius mm	Weight kg/m	Part Number
▶ 100	120	14	430	7.5	01000508

QUALITY BUILD & DOWN RIGHT TOUGH.

EXCLUSIVE TO
NZ SAFETY
BLACKWOODS

PROVEN INDUSTRIAL PERFORMANCE

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

PRODUCT INSIGHT

COMPOSITE HOSE ASSEMBLIES

The most commonly used style of hose for the petro-chemical industry, these lightweight and extremely flexible hoses are assembled and supplied according to specific customer requirements.

All composite hose assemblies are tested, tagged and certified before despatch according to appropriate industry standards and codes of practice.

NZ Safety Blackwoods can also schedule and conduct six monthly or annual testing of all hoses on site and deliver customised reporting packages to suit the requirements of the customer.

Standard tests include visual inspections, electrical continuity tests, and hydrostatic pressure tests.

For more detailed information about how NZ Safety Blackwoods can assist please contact hoseandflow@nzsafetyblackwoods.co.nz



NZ Safety Blackwoods

CARE & MAINTENANCE OF COMPOSITE HOSE

RADCOFLEX

Installing

Incorrect installation of a hose assembly will create stresses within the assembly and result in a premature failure.

The following guidelines should be followed:

- Hose assemblies must not be twisted either during installation or in use
- Hoses must not be over flexed or bent into a smaller diameter than the specified minimum bend radius
- Hose assemblies should be installed so that flexing always occurs in the same plane
- Flanged assemblies should have a floating flange on one end for easier installation and to reduce the possibility of twist

Handling

Hoses should be stored in a straight line on solid supports or racks with a wide belt sling which supports the hose at least every 3 meters. Hoses must not be supported by a single rope or wire. Avoid curvatures that are less than the minimum bend radius of hose and do not allow sharp bends adjacent to the end connection fitting – this area is the weakest spot in any type of hose. Hoses should not be dragged along the ground or over guard rails and do not allow the hose to chafe (rub) against hard surfaces and/or sharp edges. If unavoidable, consider having the hoses rope lagged.

Cleaning

Before storage, hoses should be drained and flushed with water to remove dangerous vapours. The exception being hoses which have been used for conveyants such as sulphuric acid when dilution with water could leave a corrosive residue. In such instances, drain dry.

Hoses must be electrically earthed during cleaning aerations and may be cleaned using low pressure air, however they must be open ended to avoid excessive pressure build up. Steam is not recommended for cleaning as the excessive temperature involved (over 100°C) will damage the hose fabrics.

Inspection

Inspect hose for visual damage at least every six months, more often if experience demands it. Look for:

- Weakening of the hose adjacent to the end fitting
- Cuts and abrasions on the fabric cover
- Abrasion of the outer wire
- Displacement of the outer wire – Identified by differing widths between each round of wire over the length
- Dents, kinks or twisted sections

Testing

Composite hose assemblies should be hydro-statically tested at least once every twelve months and electrical continuity tested, where applicable, at least once every six months.

PARCOR STAINLESS STEEL HOSE & BRAID

Hose & Braid is a corrugated flexible metallic hose with standard pitch annular corrugations, hydroformed from butt welded precision tube. The depth and shape of the corrugation provides good flexibility and cycle life.

For pressure applications, one or two layers of metallic wire braid is applied directly to the hose, using a close weave braid at the optimum angle. Parcor is manufactured in accordance with ISO10380 Type 1 – Corrugated Metal Hose of High Flexibility.

Hose & Braid are both manufactured from stainless steel AISI304, DIN1.4301, AFNOR Z7CN18.09. Radcoflex uses prime austenitic cold formed stainless steel materials.

The bend radius is measured from the centre line of the hose to the mid point of the bend circle when flexed under nominal conditions (i.e. at ambient temperature).

When flexing a corrugated hose, the corrugations on the outside of the radius are expanded whilst those on the inside are compressed. The theoretical minimum bend radius is reached when the corrugations on the inside of the radius are touching, but this point may not be reached due to other factors such as the restriction of the external wire braiding or other protection devices.

Static bend radius is the bend radius when the hose is stationary under nominal conditions. Dynamic bend radius is the bend radius when the hose is in motion or flexing under nominal conditions.

Note: The bend radius is not necessarily related to the suppleness or flexibility of the hose. Flexibility increases with higher corrugations and closer pitches (i.e. distance between the crown or top of each corrugation). A reduction in wall thickness will also increase flexibility but normally at the expense of a reduced pressure capability. The hose bend radius specifications in the data sheets are the recommended minimum bend radii, and have been tested and listed in accordance with ISO 10380 nominated measurements – in general Radcoflex hoses perform better than listed.



When planning piping systems, the pressure loss of the medium conveyed is an important consideration, in addition to the hose's pressure capability and flexibility. At equal flow rates the pressure loss in metal hoses is higher than in rigid piping. This is caused by the corrugations in the wall of the hose which create increased wall friction and eddies within the corrugations. Roughly it can be assumed that the pressure loss in corrugated hose is 100% higher than in new welded steel pipe.

This means that in the case of corrugated hoses an increase in the hose diameter of 15% is sufficient to reduce the pressure loss to the same value as new welded steel pipe. Pressure fluctuations have a marked effect on the service of metal hoses. Pulsating pressures reduce the capability to between 60% – 80%, whilst shock pressure loads (surges) would generally reduce it to between 40% – 60% of the nominal working pressure.

The service life depends on many factors including the operating pressure, operating temperature, bend radius, correct installation, rapid pressure fluctuation, frequency and type of movements, corrosive medium or atmosphere.

RADCOFLEX



TECHNICAL DATA

Nominal Inside Dia. mm	Number of Braids	Nominal Outside Dia. mm	Nominal Working Pressure (bar)	Min. Burst Pressure (bar)	Bend Radius Static mm	Radius Dynamic mm	Min. Required Live Length mm	Weight kg/m
10	0	16.2	17	–	16	150	50	0.11
10	1	17.8	100	400	38	150	50	0.30
10	2	19.4	150	620	–	150	50	0.50
12	0	18.6	11	–	24	165	50	0.12
12	1	20.2	80	320	45	165	50	0.32
12	2	21.8	140	560	–	165	50	0.53
20	0	29.0	6	–	35	225	63	0.27
20	1	30.6	60	240	70	225	63	0.57
20	2	32.2	100	400	–	225	63	0.88
25	0	35.5	5	–	42	260	70	0.36
25	1	37.3	50	200	85	260	70	0.75
25	2	39.2	80	320	–	260	70	1.15

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Nominal Inside Dia. mm	Number of Braids	Nominal Outside Dia. mm	Nominal Working Pressure (bar)	Min. Burst Pressure (bar)	Bend Radius Static mm	Radius Dynamic mm	Min. Required Live Length mm	Weight kg/m
32	0	44.0	4	-	51	300	120	0.46
32	1	46.5	45	180	105	300	120	1.07
32	2	49.0	75	300	-	300	120	1.70
40	0	52.0	3	-	61	340	120	0.65
40	1	54.5	40	160	130	340	120	1.47
40	2	57.0	65	260	-	340	120	2.30
50	0	65.0	2	-	73	390	144	0.80
50	1	67.5	30	120	160	390	144	2.00
50	2	70.0	50	200	-	390	144	3.30
65	0	81.0	1.5	-	90	460	195	1.20
65	1	83.5	25	100	200	460	195	2.70
65	2	85.5	40	160	-	460	195	4.20
80	0	100	1.3	-	108	520	213	1.85
80	1	103	20.0	80	240	520	213	3.60
80	2	106	33.0	135	-	520	213	5.40
100	0	127	1.0	-	126	600	245	2.50
100	1	130	15.0	60	290	600	245	5.10
100	2	133	26.0	105	-	600	245	7.80
125	0	152	0.8	-	150	850	330	3.60
125	1	155	12.0	48	340	850	330	6.80
125	2	158	18.0	72	-	850	330	10.00
150	0	174	0.7	-	170	1050	395	4.70
150	1	177	10.0	40	400	1050	395	8.40
150	2	180	15.0	60	-	1050	395	12.10
200	0	230	0.4	-	-	1100	530	6.30
200	1	234	8.0	32	600	1100	530	11.30
200	2	238	12.0	48	-	1100	530	16.50

OPERATING TEMPERATURE

RADCOFLEX

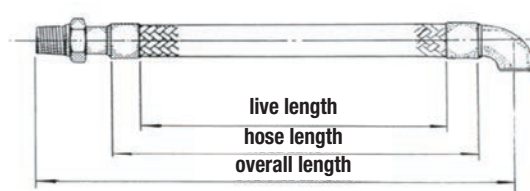
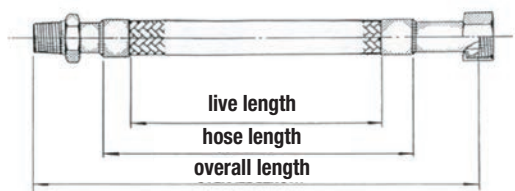
The operating temperature will have a direct relationship on the lowering of the pressure capability of the hose illustrated in the table below:

Temp °C	Correction Factor	Temp °C	Correction Factor	Temp °C	Correction Factor	Temp °C	Correction Factor
-200	1.00	150	0.73	400	0.50	650	0.19
-100	1.00	200	0.65	450	0.49	700	0.10
20	1.00	250	0.61	500	0.47	750	0.04
50	0.91	300	0.56	550	0.46	-	-
100	0.81	350	0.53	600	0.31	-	-

When ordering Stainless Steel Hose & Braid as custom assemblies it is essential that all relevant information is clearly defined prior to our factory staff commencing fabrication and welding.

Amongst the commonly requested weld on ends are Male Threaded, Female Threaded Swivel Connections, Fixed Flanges, Floating Flanges, Tube or Pipe Ends – it is vital that these are specified correctly and material grades and sizes are confirmed and approved.

When ordering a hose assembly 'always' quote the Overall Length. Do not try to calculate what the free length of hose & braid are as our factory staff are well trained in this procedure. The Overall Length is the length from the outer measurement of the end fitting to the outer measurement of the opposite end fitting; this is also often referred to as the 'face to face' measurement.



There are many configurations available for further technical advice please contact either our Hose Specialists or Hose Manufacturing team at hoseandflow@nzafetyblackwoods.co.nz

DUCTING - FLEXIBLE

TPR Flexible Ducting (Elastoflex)

Application: Suitable for the suction of gases, fumes, hot air transfer also UV and ozone resistance

Material: Santoprene TPE

Colour: Black, but customer specific colours can be done

Temperature Range: 0°C to 125°C



Nominal Bore mm	Working Pressure Bar	Vacuum Bar	Kilogram per metre	Part Number
▶ 51	0.23	0.22	0.29	05890167
▶ 64	0.19	0.17	0.34	05890184
▶ 76	0.18	0.12	0.40	05890201
▶ 89	0.16	0.10	0.49	05890218
▶ 102	0.15	0.08	0.50	05890235
▶ 114	0.12	0.07	0.59	05890252
▶ 127	0.095	0.06	0.65	05890269
▶ 152	0.09	0.50	0.66	05890286
▶ 176	0.07	0.03	0.77	05890303
▶ 203	0.06	0.03	1.00	05890320
▶ 229	0.04	0.02	1.20	05890337
▶ 254	0.03	0.02	1.22	05890354

Multiflex Flexible Ducting (Liteflex)

Application: Multiflex is a lightweight, convoluted, highly flexible ducting able to be positioned in very limited spaces with little reduction in the cross sectional area

Temperature Range: 0°C to 50°C



Nominal Inside Dia mm	Min Bend Radius mm	Max Lengths m	Part Number
▶ 32	32	10	05918659
▶ 38	38	10	05918676
▶ 44	44	10	05918693
▶ 51	51	10	05918710
▶ 57	57	10	05918727
▶ 64	64	10	05918744
▶ 76	76	10	05918761
▶ 89	89	10	05918778
▶ 102	102	10	05918795

hml

DUCTING - FLEXIBLE - ANTISTATIC

PU Anti-Static Flexible Ducting (Uraflex AS)

Application: Paint spray booths, adhesive manufacturing plants, wood work factories, or in any high dust or volatile area

Material: Natural polyurethane antistatic

Temperature Range: 0°C to 90°C



hml

Diameter mm	Part Number
▶ 32	02092215
▶ 38	02092232
▶ 51	02092249
▶ 64	02092266
▶ 76	02092283
▶ 80	02092300
▶ 89	02092317
▶ 102	02092334
● 110	02092351
● 120	02092368
▶ 127	02092385
● 140	02092402
▶ 152	02092419
● 160	02092436
▶ 180	02092453
▶ 203	02092470
● 230	02092487
▶ 254	02092504
● 280	02092521
▶ 305	02092538
● 356	02092555
● 406	02092572

PRODUCT INSIGHT

WHY BUY POLY?



Better resistance to abrasion

The Poly range has better resistance to abrasion than PVC meaning it lasts longer. If there is any material passing through the flex as well as air, then Poly is a better choice as it will cope better with any abrasion. The wide range of poly products (light/medium/heavy and extra heavy for specific industries) are available in sizes from 25mm to 500mm.

Naturally Antistatic - No more shocks

All NZ Duct+Flex Antistatic Polyurethane products are naturally antistatic: the static flows through the wall material itself. Usually there is no need to earth the wire, just clamp the flex to the outlets with a normal hose clamp.

Tests have proven our flex is 3x more effective at dissipating the charge than other 'antistatic' products available.

Manufactured in Europe, NZ Duct+Flex Antistatic Flex is made to achieve **R = <10⁹ Ohm**.

NZ Duct+Flex flexible ducting is from German manufacturer Schauenburg - Europe's leading hose manufacturer. Supplying the NZ market for over 25 years, they produce to the highest specifications.

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Poly Light Antistatic – Abrasive Resistant

Application: Ideal for fumes, powders and fine sawdust etc
Excellent flexibility

Antistatic $R < 10^8 \text{ Ohm}$ – normally no need to ground wire with our antistatic flex, the static charge flows through the material itself

Material: Polyester polyurethane antistatic wall
 $R = 10^8 \text{ OHM}$ /abrasive resistant

Wall Thickness: 0.4mm

Colour: Clear with copper wire helix

Temperature Range: -40°C to +100°C

Minimum Order: 1 metre

Conforms to TRBS 2153



Diameter mm	Part Number
25	01225231
32	01225265
40	01225299
52	01225316
63	01225333
76	01225350
82	01225367
102	01225401
127	01225418
152	01225452
160	06601175
180	01225469
203	01225486
229	01225503
254	01225520
279	01225537
305	01225554
356	01225571
406	01225588
508	01225622

Poly Medium Antistatic – Abrasive Resistant

Application: Ideal for light materials, paper, sawdust shavings and general transport of particles
Smooth bore

Antistatic $R < 10^8 \text{ Ohm}$ – normally no need to ground wire

With our antistatic flex, the static charge flows through the material itself

Material: Polyester polyurethane
antistatic/abrasive resistant

Wall Thickness: 0.5mm <100mm, 100mm and over 0.6mm

Colour: Opaque with white coated wire helix

Temperature Range: -40°C to +100°C

Minimum Order: 1 metre

Conforms to TRBS 2153



Diameter mm	Part Number
25	06601209
40	01225775
52	01225792
63	01225809
76	01225826
82	01225843
90	06601243
102	01225860
120	06001260
127	01225877
140	06601277
152	01225894
160	06601294
180	01225911
203	01225928
229	01225945
254	01225962
279	01225979
305	01225996
356	01226013
406	01226030

Poly Heavy Antistatic – Abrasive Resistant

Application: Ideal for suction and transport of abrasive materials, transport of granules, wood chips and grain

Ideal for industrial sweepers and lawn mowers

Smooth bore

Antistatic $R < 10^8 \text{ Ohm}$ – normally no need to ground wire

With our antistatic flex, the static charge flows through the material itself

Material: Polyester polyurethane

Wall Thickness: <100mm 0.9mm, 100 – 203mm 1.1mm, 250mm and over 1.3mm

Colour: Opaque with cream wire helix

Temperature Range: -40°C to +100°C

Minimum Order: 1 metre

Conforms to TRBS 2153



Diameter mm	Part Number
40	02521379
52	02521413
63	02521447
76	02462593
82	01226387
102	01226404
127	01226421
140	06601345
152	01226438
180	01226472
203	01226489
229	01226625
254	01226659
305	01226761
356	01226812
406	01226846

DUCTING – FLEXIBLE – CLEAR PVC

Clear Light Flex

Application: Ideal for suction of fumes, light fibres, air conditioning and ventilation, protecting cables in conduits

Excellent flexibility

Excellent compressibility

Material: PVC

Wall Thickness: 0.4mm

Colour: Clear with wire helix

Temperature Range: 0°C to 70°C

Minimum Order: 1 metre



Diameter mm	Part Number
25	06601362
32	06601379
40	01226047
52	01226064
63	01226081
76	01226098
82	01226115
102	01226149
127	01226166
152	01226183
180	01226200
203	01226217
254	01226251
305	01226285
356	01226302
406	01226319
457	01226336
508	01226370

Clear Heavy PVC Flex

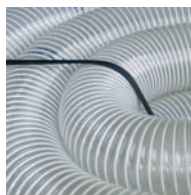
Application: Ideal for industrial vacuum cleaners, handling conduit and protection
Very versatile and solid construction
Smooth bore
Material: PVC
Wall Thickness: 0.8mm
Colour: Clear with white coated wire helix
Temperature Range: 0°C to 70°C
Minimum Order: 1 metre



Diameter mm	Part Number
40	06601430
52	06601464
63	06601481
76	06601498
102	06601532
110	06601549
127	06601566
152	06601583
180	06601600
203	06601617
254	06601634

Food Grade Flex

Application: Ideal for suction and conveyance of food powders and resistant to microbes and hydrolysis
Non-toxic, antistatic
Material: Polyether Polyurethane
Wall Thickness: <100mm 0.5mm, 100 – 203mm 0.6mm
Colour: Clear with white coated wire helix
Temperature Range: -40°C to +100°C
Minimum Order: 1 metre
Certification: Material is FDA and EU approved for food use



Diameter mm	Part Number
25	03260378
32	03620395
40	03620412
52	03620429
63	03620446
76	03620463
82	03620497
102	03620514
127	03620531
152	03620548
203	03620565

DUCTING – FLEXIBLE – SPECIALISED

UV Chem Fume Flex

Application: Ideal for suction of chemical fumes and gases, air conditioning and vehicle construction
Very good resistance to acids, UV, ozone resistant and rot proofed
Withstands severe flexing
Material: TPE coated polyester fabric
Wall Thickness: 0.4mm
Colour: Black
Temperature Range: -60°C to +150°C
Minimum Order: 1 metre



Diameter mm	Part Number
32	01227798
40	423247
52	423248
63	423249
76	02521940
152	02522059
82	02521957
102	02522008
127	423250
180	03620276
203	02522110
254	423251
305	02522144
356	03620293
406	423252
457	423253
508	423254

High Temperature Flex

Application: Ideal for suction of hot gases in all fields of industry, glass, plastic moulding, hot exhausts and engines
Lightweight and very flexible
Good temperature, UV and ozone resistance
Flame retardant, excellent axial compressibility
Material: Silicone coated glass fabric with external helix
Wall Thickness: 0.4mm
Colour: Silver with steel external helix
Temperature Range: -60°C to +300°C
Minimum Order: 1 metre



Diameter mm	Part Number
52	03620225
63	03620242
76	02521481
102	02521515
127	02521549
152	02521583
203	02521668
254	02521736

RELATED PRODUCT

18 Piece Inhex Socket Set – Metric & A/F

▪ Supplied in a blow moulded case – W300 x D145 x H50mm



JBS

SEE TOOLS – HAND, MEASURING & PRECISION: CHAPTER 22

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

TUBING – PVC NON-TOXIC

Clear PVC Non-Toxic Tubing

- Clear, non toxic tubing made from PVC compounds meeting AS 2070 requirements.
- Clear tubing provides ability to see product conveying.
- Suitable for food and beverage fluids and medical drainage applications where there is negligible pressure



Nominal Bore mm	Nominal Wall Thickness mm	Max Lengths m	Part Number
3	0.9	30	05645435
4	0.9	30	05645452
4.8	0.9	30	05645469
5.5	1.2	30	05645486
6.4	1.6	30	05645503
8	1.4	30	05645537
9.5	1.8	30	05645554
11	2.0	30	05645571
13	2.0	30	05645605
16	2.0	30	05645622
19	2.4	30	05645639
25	3.0	30	05645656
32	4.2	30	05645673
38	4.2	30	05645690
50	4.2	30	05645707

White PVC Non-toxic Tubing

- Clear, non toxic tubing made from PVC compounds meeting AS 2070 requirements.
- Non clear tubing inhibits algae growth



Nominal Bore mm	Nominal Wall Thickness mm	Max Lengths m	Part Number
13	2	100	05645741
25	3	100	05645758

TUBING – NYLON

Nylon Tubing

- Nylon pressure tubing made from premium quality raw materials allowing simplicity of connections with fittings and adapters.
- Ideal for pneumatic and hydraulic control systems, fuel tubing, air and gas tubing.
- Can be used for handling weed killing solutions, fresh and sea water, paints and lacquers. (Not suitable for vehicle brake systems.)
- Max coil length – 100m



Outside Dia mm	Nominal Wall Thickness mm	Max Working Pressure Bar	Black	Natural
4	0.65	68	▶ 06825337	▶ 00001071
5	0.85	68	▶ 00890545	▶ 05645792
6	1	68	▶ 00890562	▶ 00097852
8	1.4	68	▶ 00890579	▶ 00098600
10	1.7	68		▶ 00099212
12	2	68	▶ 04891179	▶ 00101252

Nylon Tubing

Imperial Sizes

Outside Dia inch	Nominal Wall Thickness inch	Max Working Pressure Bar	Black	Natural
1/8	0.019	68	▶ 05257460	▶ 03895801
3/16	0.031	68	▶ 04463805	▶ 04190301
1/4	0.040	68	▶ 04463902	▶ 04190408
5/16	0.049	68	▶ 04464008	▶ 04190505
3/8	0.058	68	▶ 04464105	▶ 04190602
1/2	0.076	68	▶ 04464202	▶ 04190709
5/8	0.065	68		▶ 03528799
3/4	0.080	68		▶ 00000969

HOSE CLAMPS & CLIPS

Worm Drive Hose Clamps – Part & Full Stainless Steel

- Improved asymmetric housing – even distribution of forces and safe assembly
- Screw support – ease of assembly due to the safe guidance of the emerging band end
- Material and clamping range stamped on the band – prevention of errors and improved efficiency
- Smooth or stamped inside of band – optimal hose protection
- Safety collar – prevent screwdriver slip injuries

Part Stainless Steel

- W2 Material grade: band and housing
- Stainless steel (1.40 16/AISI430)
- Screw: mild stainless steel zinc plated and clear chromate

Full Stainless Steel

- W4 Material grade: band and housing
- Stainless steel throughout (1.4301/AISI 304)



Hose OD Min mm	Hose OD Max mm	Band Width mm	Part Stainless Steel	Full Stainless Steel
8	12	9	▶ 04299707	▶ 04385705
10	16	9	▶ 04157807	▶ 04159708
12	20	9	▶ 04157904	▶ 04159805
16	27	12	▶ 04158000	▶ 04159902
20	32	12	▶ 04158204	▶ 00979598
25	40	12	▶ 04158107	▶ 04160001
35	50	12	▶ 05218655	▶ 00979615
40	60	12	▶ 04158505	▶ 09768819
50	70	12	▶ 04158602	▶ 04160205
70	90	12	▶ 04158709	▶ 04160302
90	110	12	▶ 04158806	▶ 04160409
110	130	12	▶ 04158903	▶ 04160506
130	150	12	▶ 04159009	▶ 04160603
160	180	12	▶ 04159106	▶ 04160700
180	200	12	▶ 04159203	▶ 04161107
210	230	12	▶ 04159300	▶ 04161204
230	250	12	▶ 04159407	▶ 04161301
260	280	12	▶ 04159504	▶ 04161408
280	300	12	▶ 04159601	▶ 04161505

RELATED PRODUCT

Safety Sign – Hand Protection Must Be Worn In This Area

prosafe



SEE SIGNAGE: CHAPTER 05

T-Bolt Heavy Duty Hose Clamps – Part Stainless & Full Stainless Steel



- Specially designed bolt with integrated spacer improving performance
- Reinforced band loops – Ability to withstand much higher torques
- Mechanically locked closure – No welding spots and no contact corrosion
- Robust band with rounded edges prevents injuries and damage to hoses
- Hollow trunnions reduces the tensile forces on the bolt and the mechanical lock

Part Stainless Steel

- W2 Material grade
- Band and housing: stainless steel 1.4016/AISI 430
- Screw: mild steel zinc plated and clear chromate

Full Stainless Steel

- W4 Material grade band screw and housing
- Stainless steel throughout (1.4301 /AISI 304)



Hose OD Min mm	Hose OD Max mm	Band Width mm	Part Stainless Steel	Full Stainless Steel
17	19	18	03833614	00979479
19	21	18	03834817	00979496
21	23	18	01291361	01291769
23	25	18	03835117	00979513
25	27	18	01291378	01291786
27	29	18	03835418	01291803
29	31	20	03835816	00979547
31	34	20	01291429	01291820
34	37	20	01291446	01291837
37	40	20	03836310	00979564
40	43	20	03836718	00979581
43	47	20	01291480	01291871
47	51	20	01291497	01291888
51	55	20	01291514	01291905
55	59	20	01291531	01291922
59	63	20	01291548	01291939
63	68	24	03837610	00982114
68	73	24	01291582	01291973
73	79	24	01291599	01291990
79	85	24	01291616	01292007
85	91	24	01291633	01292024
91	97	24	01291650	01292041
97	104	24	01291667	01292058
104	112	24	01291684	01292075
112	121	24	01291701	01292092
121	130	24	01291718	01292109
130	140	24	01291735	01292126
140	150	26	04959562	00273173
150	162	26	05217856	00264010
162	174	26	04990809	00264027
174	187	26	05217657	00264044
187	200	26	04990862	00264061
200	213	26	04990957	00264078
226	239	26	00057783	00264112
239	252	26	00057800	00264129
252	265	26	00273224	00264333
265	278	26	00273241	00264350
278	291	26	00273258	00264367
291	304	26	00273479	00264384

Standard pack below 149mm: 10
Standard pack above 149mm: 5

Worm Drive Maintenance – Full Stainless Steel



Kit contains: 100 various clamp sizes as listed below

- Full Stainless Steel Grade 304 series for superior corrosion resistance
- High impact, plastic case
- Worm drive hose clamps, solid band
- Rolled edge and underside to prevent hose damage
- Suitable for farm, workshop or mobile applications



Description	Part Number
Full stainless steel maintenance kit	04170008

Clamps also sold individually

Full Stainless Steel Maintenance Kit Contents:

Hose OD Min mm	Hose OD Max mm	Band Width mm	Kit Quantity
8.0	12.0	9.0	22
10.0	16.0	9.0	20
12.0	20.0	9.0	10
16.0	27.0	12.0	10
20.0	32.0	12.0	8
25.0	40.0	12.0	10
35.0	50.0	12.0	10
40.0	60.0	12.0	10

Fuel Line Clips

- Carbon steel zinc plated
- 6mm hexagonal head with screwdriver slot, 9mm band width
- Fixed nut for ease of tightening
- Rolled edge to prevent hose damage
- OEM applications
- Ideal for use in confined spaces



Size Range mm	Band Width mm	Part Number
7 – 9	9	05595574
9 – 11	9	05595591
12 – 14	9	05595523
13 – 15	9	05595540
14 – 16	9	05595557

Nutdriver

- Flexible shaft allows access to difficult locations
- High torque grip for positive tensioning of clamps
- Suitable for easy installation and removal of most hose clamps



Mfr No.	Description	Part Number
CND-1	Hose clamp nut driver 150	00862410

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

OTK Hose Clamp Assortment Kit

- Contains 300 double ear clamps and one standard top join pincer
- Zinc plated steel
- Disturbing clasps, screws and band ends can be avoided by mounting an ear clamp

Kit contains:

- 30 x 5 – 7mm
- 30 x 7 – 9mm
- 30 x 9 – 11mm
- 30 x 11 – 13mm
- 30 x 13 – 15mm
- 30 x 15 – 17mm
- 30 x 15 – 18mm
- 30 x 17 – 20mm
- 30 x 20 – 23mm
- 30 x 23 – 25mm
- 1 x Standard top join pincer
- Suitable for use on compressed air, gas and liquid lines



Mfr No.	Description	No. of Clamps	Part Number
▶ TEC300	Double ear clamp pack	300	02566607

Oetiker® Hose Clip – 1 Ear Stepless®

- Oetiker® 1 ear Stepless® clamps are all stainless steel, quick to fit and provide uniform compression and a 360° seal as the internal tongue glides under the ear during closure
- Stepless refers to the absence of steps or gaps on the inner circumference of the clamp
- Made from Stainless Steel Grade 304 these clamps are very popular with the food and beverage industry
- Suitable for LPG hose installations



Clamping Range mm	Clamp Width mm	Oetiker® Cat. Number	Part Number
▶ 7.3 – 9.0	5	16702491	05623216
▶ 8.3 – 10.0	5	16700005	05622995
▶ 9.2 – 10.9	5	16702492	05623233
▶ 10.1 – 11.8	5	16700008	05623012
▶ 10.3 – 12.8	7	16702493	05623250
▶ 11.3 – 13.8	7	16700011	05623029
▶ 12.3 – 14.8	7	16700014	05623046
▶ 12.8 – 15.3	7	16700015	05623063
▶ 13.2 – 15.7	7	16700016	05623080
▶ 14.1 – 16.6	7	16702495	05623267
▶ 14.5 – 17.0	7	16700017	05623097
▶ 14.6 – 17.8	7	16700018	05623114
▶ 15.3 – 18.5	7	16700020	05623131
▶ 16.6 – 19.8	7	16702498	05623284
▶ 19.4 – 22.6	7	16700026	05623148
▶ 20.9 – 24.1	7	16700029	05623165
▶ 23.9 – 27.1	7	16703601	05623301
▶ 26.9 – 30.1	7	16700037	05623182
▶ 28.4 – 31.6	7	16700040	05623199

Oetiker® Hose Clip – 2 Ear

- Perfect for low and medium pressure applications
- Fast and easy to fit using genuine Tridon pincers
- 0 clips made to W1 specifications:
W1 = zinc plated steel DIN 1.0338
- 2 Ear clamps made from tube are suitable for use with rubber hose, plastic tubing, electrical cables and welding hoses



Hose OD Min mm	Hose OD Max mm	Part Number
■ 5	7	08027807
■ 7	9	08027904
■ 9	11	08028000
■ 11	13	08028107
■ 13	15	08028204
■ 15	18	08028301
● 17	20	08028408
■ 20	23	08028505
▶ 21	25	06021662
● 23	25	08028709
▶ 25	28	08028806
▶ 29	31	06021679
▶ 31	34	08029009
▶ 32	37	08029106
▶ 37	40	00526201

0-Clip – Pincers

- FCP-1 side and top pincers used for applying 0 Clips



Mfr No.	Part Number
▶ FCP – 1	08029708

STRAPPING TOOLS

Strapping Tools



C001

- Drop forged with built in cutter tensions over 2,400lbs
- Spring loaded gripper lever and friction held cut off lever with plastic grip improves ease of use
- Use to apply band, strapping and free end clamps up to 19mm width

G402

- Used to apply Giant band and buckles over 19 – 32mm width
- Heavy duty and is designed to pull up to 6,000lbs



04246501



04250908

Mfr No.	Description	Part Number
■ C001	For strap up to 19mm wide	04246501
● G402	For heavy duty strap up to 31.75mm wide	04250908

Preformed Clamp Adaptors

- Clamp adaptors are required to be used with the C001 tool for correct clamping and cut off of the BAND-IT® Preformed clamps
- Choose from the standard J001 lever action adaptor or the heavy duty J050 ratchet version



Mfr No.	Description	Part Number
▶ J001	Suits C001 tool	04246705

Centre Punch Tool

- Uses a ratchet action to apply tension to centre punch preformed clamps and secures these with a centre punch lock



Mfr No.	Description	Part Number
▶ T300	Centre punch tool	02903913

Bantam Tool

- Compact lightweight ratchet action tool with built in cutter
- Tension release levers allow band to be repositioned
- 3 way handle adjusts for one or two handed tensioning
- Ideal in tight areas with restricted access



Mfr No.	Description	Part Number
▶ C075	Bantam tool	05646761

CLAMP KITS – SCRU-SEAL

Scru-Seal Clamps

- Make your own hose clamp
- Only a screwdriver is required
- 9.53mm or 12.70mm wide stainless steel band is used single or double wrapped – cut as required from the 30.5m roll
- Seals and racks will accept both sizes

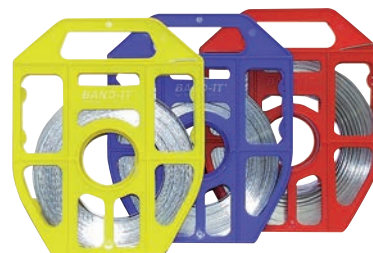


Mfr No.	Description	Std Pack Qty	Part Number
▶ M210	Scru-Seals and racks, 9.53mm x 30.5m band	25	04251606
▶ M211	Scru-Seal racks and housings	10	04343802

STRAPPING BANDS, BUCKLES & CLIPS – STAINLESS STEEL

Stainless Steel Grade 201 Band

- Handy, waterproof PVC totes which are colour coded for easy identification (Note: 6.4mm band not available in tote packaging)
- Featuring a convenient carry handle and a see through design to show remaining band
- Patented easy scale imprint design right on the band which eliminates costly waste and complicated measuring
- Allowing quick and precise length of band you need for any clamp
- Use with standard Ear Lokt buckles in either single wrap or double wrap for greater strength
- BAND-IT® Band strapping features rounded edges for easier and safer handling and installation



Mfr No.	Band Width mm	Band Thickness mm	Lengths m	Part Number
▶ C202	6.35	0.51	30.5	04246909
▶ C203Y	9.53	0.63	30.5	04247005
▶ C204B	12.7	0.76	30.5	04247102
▶ C205G	15.88	0.76	30.5	04247209
▶ C206R	19.05	0.76	30.5	04247306

Stainless Steel Grade 316 Band

- Type 316 is specified for use in situations where corrosion is the major problem
- It is used extensively in most atmospheres and environments where it is subject to chemicals, salts, acids and high temperatures



Mfr No.	Band Width mm	Band Thickness mm	Lengths m	Part Number
▶ C403	9.53	0.63	30.5	01789401
▶ C404	12.70	0.76	30.5	01789508
▶ C405	15.88	0.76	30.5	01789605
▶ C406	19.05	0.76	30.5	01789702

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Stainless Steel Giant Band & Buckles

- A heavy duty strapping solution using BAND-IT® Type Stainless Steel Grade 201
- BAND-IT® Giant products are often found in critical areas where higher breaking strength capabilities are required



Mfr No.	Description	Part Number
▶ G44299	32mm Stainless steel giant buckles (Box of 25)	04251509
▶ G43299	32mm Stainless steel giant bands (Box of 30)	04251208

Stainless Steel Ear-Lokt Buckles

- Type 201 Ear-Lokt buckles are designed to accommodate both single and double wrap clamps to correspond with the use of Type 201 BAND-IT® bands
- Type 316 Ear-Lokt buckles are designed to accommodate both single and double wrap clamps to correspond with the use of Type 316 BAND-IT® bands



Mfr No.	SS Grade	Band Width mm	Std Pack Qty	Part Number
▶ C252	201	6.35	100	04247908
▶ C253	201	9.53	100	04248004
▶ C254	201	12.7	100	04248101
▶ C255	201	15.9	100	04248208
▶ C256	201	19.1	100	04248305
▶ C453	316	9.53	100	01789906
▶ C454	316	12.7	100	01790005
▶ C455	316	15.9	100	01790102
▶ C456	316	19.1	100	01790209

Stainless Steel Scru-Lokt Buckles

- In this application, BAND-IT® band is secured in the buckle with a set screw
- A hex wrench for this purpose comes with the buckles
- Use Scru-Lokt buckles when close quarters will not permit the roll over action of the BAND-IT tool, or when a temporary or adjustable clamp is desired
- Scru-Lokt clamps are reusable, and may be re-tensioned



Mfr No.	Band Width mm	Std Pack Qty	Part Number
▶ C722	9.6	50	02186304
▶ C724	12.7	25	04249508
▶ C726	19.1	25	04249605

PREFORMED CLAMPS STAINLESS STEEL GRADE 201

JR Smooth Stainless Steel Preformed Clamps

- A smooth inside diameter to prevent leak paths
- They are vibration resistant and require no hammering or crimping
- They are automatically locked in one simple lever movement
- Manufactured from superior strength Stainless Steel Grade 201



Mfr No.	Clamp ID mm	Width mm	Part Number
▶ JS240	20.6	6.4	05983497
▶ JS201	20.6	9.5	05780551
▶ JS242	25.4	6.4	05983531
▶ JS243	25.4	9.5	05983565
▶ JS203	25.4	12.7	05982800
▶ JS204	31.8	12.7	05982851
▶ JS241	34.9	6.4	05983514
▶ JS202	34.9	9.5	05982732
▶ JS252	38.1	6.4	05234443
▶ JS231	38.1	12.7	05983446
▶ JS205	38.1	15.9	05982868
▶ JS206	44.5	15.9	05982885
▶ JS253	50.8	6.4	05983718
▶ JS245	50.8	9.5	05983616
▶ JS237	50.8	12.7	05557562
▶ JS207	50.8	15.9	05982936
▶ JS208	57.2	15.9	05982953
▶ JS233	63.5	12.7	05983463
▶ JS209	63.5	15.9	05982970
▶ JS230	69.9	12.7	05983429
▶ JS210	69.9	19.1	05983004
▶ JS246	76.2	9.5	05983633
▶ JS234	76.2	12.7	05983480
▶ JS211	76.2	19.1	05983021
▶ JS247	88.9	12.7	05983667
▶ JS212	88.9	19.1	05983055
▶ JS248	101.6	9.5	05557579
▶ JS249	101.6	12.7	05983684
▶ JS213	101.6	19.1	05983089
▶ JS214	114.3	19.1	05983106
▶ JS215	127.0	19.1	05983276
▶ JS216	152.4	19.1	05983293
▶ JS217	165.1	19.1	05983310
▶ JS218	177.8	19.1	05983327
▶ JS219	203.2	19.1	05983344

RELATED PRODUCT

Ninja Maxim Cut Gloves

- Applications: industrial, automotive, goods handling and assembly.
- New Level C, Cut resistance
- Market leading comfort and extremely light weight
- Durable reinforcement between thumb and forefinger



▶ SEE HAND PROTECTION: CHAPTER 10

C-Clamps

- Swivel pads to help grip uneven surfaces
- Large clearance for clamping larger items
- Chrome vanadium jaws



▶ SEE TOOLS - HAND, MEASURING & PRECISION: CHAPTER 22

Centre Punch Stainless Steel Preformed Clamps



- Clamps are Locked with a standard conical punch, ensuring a strong powerful lock for reliable clamping
- Made from Stainless Steel Grade 201 they are applied using the BAND-IT® Centre Punch T300 tool



Mfr No.	Clamp ID mm	Width mm	Part Number
CP5S	32	16	01342242
CP6S	38	16	01342276
CP7S	44	16	01342293
CP8S	51	16	01342327
CP10S	64	16	01342361
CP11S	70	16	01342378
CP12S	76	16	01342395
CP14S	89	16	01342412
CP16S	102	16	01342429
CP18S	114	16	01342446
CP20S	127	16	01342463
CP24S	152	16	01342480

Ultra-lok® Series Stainless Steel Preformed Clamps



- Clamps are made from 0.76mm thick Stainless Steel Grade 201 offer superior strength and corrosion resistance
- Patented Ultra-lok clamp design locks under full pull-up tension and is 2 – 3 times stronger than conventional preformed clamps
- Impact has no effect on Ultra-lok clamps
- Smooth ID construction provides uniform gap-free inside diameter to prevent leaks particularly with recent chemical hose developments which are made from harder compounds
- Use only with BAND-IT® Ultra-lok tool



Mfr No.	Clamp ID mm	Width mm	Part Number
UL227	51	19.1	01156058
UL210	70	19.1	01156075
UL211	76	19.1	01156092
UL212	89	19.1	01156109
UL213	102	19.1	01156126
UL214	114	19.1	01156143
UL215	127	19.1	01156160
UL216	152	19.1	01156194
UL217	165	19.1	01156211
UL218	178	19.1	01156228
UL219	203	19.1	01156245

RELATED PRODUCT

Safety Sign
– Eye Protection Required
Beyond This Point



EYE PROTECTION
MUST BE WORN
IN THIS AREA

SEE SIGNAGE: CHAPTER 05

COUPLINGS – CLAW SAFETY & CLAMPS

Type A 1 Lug Safety Couplings

LUDECKE

Robust malleable iron, zinc plated and yellow passivated with a standard oil resistant rubber seal with a single lug.

Rated to a maximum working pressure of 10bar and a temperature range of -40°C to +95°C they are designed primarily for use in compressed air applications.



Nominal Size mm	Male	Female	Hose End
13	▶ 04990563	▶ 04959368	▶ 04987152
19	▶ 00014722	▶ 04959465	▶ 04959162
25	▶ 04957858	▶ 04958760	▶ 04958658

Type A 2 Lug Safety Couplings

LUDECKE

Robust malleable iron, zinc plated and yellow passivated with a standard oil resistant rubber seal with a double lug for safety which eliminates the need for safety locking pins.

Rated to a maximum working pressure of 10bar and a temperature range of -40°C to +95°C they are designed primarily for use in compressed air applications.



Nominal Size mm	Male	Female	Hose End	Blank End
10			▶ 00014552	▶ 00080444
13	▶ 04958055	▶ 00057494	▶ 00060996	
19	▶ 00000663	▶ 00014654	▶ 00014586	
25	▶ 00057511	▶ 00057528	▶ 00110415	

Type A 1&2 Lug Safety Coupling Accessories

LUDECKE

Supplied with GOER standard Buna (Perbunan) rubber seals – for replacements and to be able to use at higher temperatures there is a full range of spares. For higher temperature applications use the White GDOR (Ohasil) which are rated to a maximum temperature of 200°C.



Nominal Size mm	Locking pins	Std Buna Black	Steam White
10 – 25	▶ 04989456	▶ 04987856	▶ 00138176

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Type B 1 Lug Safety Couplings

US style are robust malleable iron, zinc plated and yellow passivated with a standard oil resistant rubber seal with bore for the fitting of safety locking pins.
Rated to a maximum working pressure of 10bar and a temperature range of -40°C to +95°C they are designed primarily for use in compressed air applications.



Nominal Size mm	Male BSP	Male	Female BSP	Female	Hose End
10	▶ 00014739	▶ 05570193	▶ 00014773	▶ 05570329	▶ 00014705
13	▶ 00014603	▶ 05570227	▶ 00014569	▶ 05570363	▶ 04987055
19	▶ 00014620	▶ 05570261	▶ 00014807	▶ 05570397	▶ 04959067
25	▶ 04958965	▶ 05570295	▶ 00080478	▶ 05570431	▶ 04987555

Accessories For Couplings Safety

– Type B 1 Lug

Supplied with GOER standard Buna (Perbunan) rubber seals – for replacements and to be able to use at higher temperatures there is a full range of spares
For higher temperature applications use the White GDOR (Ohasil) which are rated to a maximum temperature of 200°C



Nominal Size mm	Type	Part Number
▶ 10 – 25	Std buna black	00014790
▶ 10 – 25	Blank	05567966
▶ 10 – 25	Locking pins	04989456

Couplings Safety – Stainless Steel

Made from investment cast stainless steel with a green viton chemical resistant rubber seal as standard.

Features include a double lug for safety eliminating the need for safety locking pins.
Rated to a maximum working pressure of 16bar and a temperature range of 30°C to 200°C they are designed primarily for use in the petrochemical, food, beverage and pharmaceutical industries.



Nominal Size mm	Male	Female	Hose End
10			▶ 05568017
13	▶ 05567847	▶ 05567898	▶ 05568034
19	▶ 05567864	▶ 05567915	▶ 05568051
25	▶ 05567830	▶ 05567881	▶ 05568068

Accessories For Couplings Safety

– Stainless Steel

Supplied with GVOR Viton green rubber seals which are available as spares.
Blank ends are often required to ensure hoses and plant equipment are kept clean.
The Mody version hose couplings offer an alternative to the standard connections.



Nominal Size mm	Blank End	Mody Hose Coupling	Std Viton GVOR
13	▶ 05567932	▶ 05567949	▶ 05568136
19		▶ 00080512	
25		▶ 05567983	

Safety Clamp

Robust and made from malleable iron, zinc plated and yellow passivated.

Designed for use with the Ludecke safety claw couplings to provide a safe hose assembly the S22 is a two part clamp with overlapping cast-on saddles.



Mfr No.	Description	Part Number
● S 22	For hose 13mm ID (OD range 17 – 22mm)	05985435

Safety Clamps

Robust and made from malleable iron, zinc plated and yellow chromated.

Designed for use with the Ludecke safety claw couplings to provide a safe hose assembly the SL series from Ludecke Germany up to size SL94 meets DIN 20039 A and is a two part clamp with loose saddles.

Suitable for use up to 16bar working pressure.



Mfr No.	For Hose ID mm	Hose OD Range mm	Part Number
▶ SL29	13	22 – 29	00014637
▶ SL34	19	28 – 34	04958152
▶ SL40	25	32 – 40	04990262
▶ SL49	32	39 – 49	04958466
▶ SL60	38	48 – 60	04958864
▶ SL76	50	60 – 76	00014484
▶ SL94	63	77 – 94	00014535
● SL115	75	94 – 115	04958255
● SL145	89	115 – 145	04958364
● SL600	100	135 – 155	00057460

Safety Claw Clamps

Robust and made from malleable iron, zinc plated and yellow chromated.

Designed for use with the Ludecke safety claw couplings to provide a safe hose assembly the SK series from Ludecke Germany meets DIN 20039 B and is a two part clamp with loose saddles and safety claws.

Suitable for use up to 25bar working pressure.



Mfr No.	For Hose ID mm	Hose OD Range mm	Part Number
▶ SK34	19	28 – 32	04959264
▶ SK39	25	35 – 42	04990068
▶ SK44	28	42 – 45	04990165
▶ SK51	35	45 – 53	04990466
● SK60	42	55 – 60	00014688
▶ SK73	50	60 – 73	00014671

Heavy Duty Claw Clamps

- Heavy duty bolt clamp to be used in conjunction with 2" Hose with an outside diameter between 59.5 – 64.3mm
- Recommended for steam service up to 232°C (450°F)
- 2 gripping fingers and 2 clamp sections
- Stainless steel construction

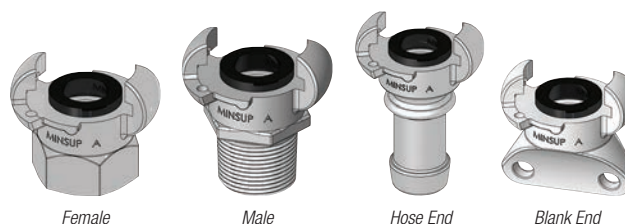


Nominal Size mm	Part Number
▶ 50	05622961

COUPLINGS

Type A – Minsup™ – Standard Seal

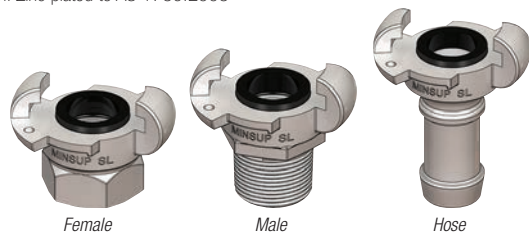
Standard coupling heads ensure the inter changeability of all sizes, regardless of whether the mating coupling is female, male or hose end.



Size mm	Working Pressure psi	Female	Male	Hose End	Blank End
10	500	▶ 07254817	▶ 07254419	▶ 07255612	
15	500	▶ 04155003	▶ 04154208	● 04154606	
20	500	▶ 04155100	▶ 04154305	● 04154703	
25	500	▶ 04155207	▶ 04154402	● 04154800	
32	500		▶ 07252615	▶ 07253818	
10 – 32	500				● 03606693

Surelock Minsup™

- Heavy duty coupling
- Complete with new composite bellow seal
- Designed to be a positive locking system
- Does not interchange with the Type A coupling
- Suitable for Australian underground mining, air and water use
- SG Iron ISO 1083
- Protection: Zinc plated to AS 1789:2003



Size mm	Working Pressure psi	Female	Male	Hose End
10	1000	● 00971125	▶ 04727367	● 09614112
15	1000	▶ 09705717	● 09705814	▶ 09705610
20	1000	▶ 03601899	▶ 09668919	▶ 09669015
25	1000	▶ 09613715	▶ 09613317	▶ 09613919
32	1000		● 01348226	● 01348243
40	1000	▶ 06529417	● 03606761	▶ 06531214
50	1000	▶ 06526818	▶ 06526012	▶ 06527817
80	500	● 01515763	● 01515865	● 01515666

RELATED PRODUCT

Polycotton Knit

- Lightweight work glove
- Suitable for construction, engineering and general work glove

prosafe

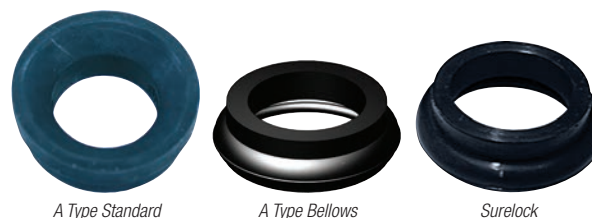


▶ SEE HAND PROTECTION: CHAPTER 10

minsup

Type A & Surelock & Rubber Seals

- Temperature range: rubber; -29°C to +71°C



Size mm	Size	Type	Material	Part Number
● 10 – 32	¾ – 1 ½"	A Type Standard	Natural rubber	04458700
● 10 – 32	¾ – 1 ¼"	A Type Bellows	Natural rubber	05270007
▶ 40 – 50	M	Surelock	Composite	04562454
● 80	L	Surelock	Composite	06816276

Safety Locking Pin

- Use of a locking pin ensures claw couplings will not be accidentally disconnected
- Pins will not go through holes in both couplings until they are locked in place ensuring correct connection

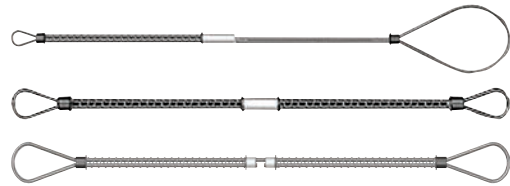


Mfr No.	Description	Part Number
▶ 05/01%2/000	Safety locking pin	04458603

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Safety Whipcheck

- Materials; wire rope: 6 x 19 G1570 FC galvanised steel, Ferrules: mild steel, Spring: zinc plated spring steel
- Crimped steel ferrules suitable for use in underground coal mines – Minsup™ style only
- Maximum working pressure: 200psi
- Eliminates injuries caused by broken air hose connections
- No tools needed; easy to install and remove



minsup

Mfr No.	Style	Size mm	Length mm	Part Number
▶ 08/023/9%0	Minsup™	3.5	510	00753729
▶ 08/023/91/000	Minsup™	6	810	00753746
▶ 08/023/92/000	Minsup™	6	1200	00753763
▶ WB1	W	3	515	06816293
● WA2	W	6	962	06816344
▶ WSR1	WSR	3	515	06816310
▶ WRS2	WSR	6	956	06816327

▶ FITTINGS – AIRLINE

ARO

1/4" Air Coupling to 1/4" BSPT



Mfr No.	Part Number
■ FAC100/A210	03045404

3/8" Male Adaptor to 10mm Hosetail



Mfr No.	Part Number
■ FAC111/3810	03043228

3/8" Air Coupler to 3/8" FBSP



Mfr No.	Part Number
■ FAC108/3800	03043279

1/2" Male Adaptor to 1/2" BSPT



Mfr No.	Part Number
■ FAC113/300405	03045523

1/4" Male Adaptor to 8mm Hosetail



Mfr No.	Part Number
■ FAC106/A3947	03045472

1/4" Male Adaptor to 6mm Hosetail



Mfr No.	Part Number
■ FAC105/A3946	03045455

3/8" Male Adaptor x 1/4" BSPT



Mfr No.	Part Number
■ FAC117/3807	05555573

3/8" Female Adaptor to 3/8" FBSP



Mfr No.	Part Number
● 30PF	02869154

1/4 Male Adaptor to 1/8" BSPT



Mfr No.	Part Number
■ FAC101/A2607	07960208

1/4" Male Adaptor to 10mm Hosetail



Mfr No.	Part Number
■ FAC107/A3948	03045489

3/8" Male Adaptor to 3/8" BSPT



Mfr No.	Part Number
■ FAC109/3808	03043245

1/2" Male Adaptor to 15mm Hosetail



Mfr No.	Part Number
● FAC115/308005	03045557

1/4" Male Adaptor to 3/8" BSPT



Mfr No.	Part Number
■ FAC104/A2700	03040848

1/4" Male Adaptor to 1/4" BSPT



Mfr No.	Part Number
■ FAC102/A2608	03045421

1/2" Air Coupler to 1/2" FBSP



Mfr No.	Part Number
■ FAC112/400	03045506

1/2" Female Adaptor to 1/2" FBSP



Mfr No.	Part Number
■ FAC114/300415	03045540

1/4" BSPT to 10mm Hosetail



Mfr No.	Part Number
● FAC116/A111	07961207

1/4" Male Adaptor to 1/4" FBSP



Mfr No.	Part Number
■ FAC103/A2609	03045438

Air Hose Starter Kit 9 Piece



Mfr No.	Part Number
■ FAC250	05556117

AIRLINE ARO INTERCHANGEABLE

Series 315 Standard Couplings

- 315 (3/8") Series (ARO380 & NITTO Interchange)

Description	Size	Part Number
● Hose connection	10mm (3/8")	419442
● Hose connection	13mm (1/2")	419443
● Male thread	6mm (1/4" BSPM)	419444
● Male thread	10mm (3/8" BSPM)	419445
● Male thread	13mm (1/2" BSPM)	419446
● Female thread	6mm (1/4" BSPF)	419447
● Female thread	10mm (3/8" BSPF)	419448
● Female thread	13mm (1/2" BSPF)	419449
● Stream-line connection	6.5 x 10mm Hose	419450
● Stream-line connection	8 x 12mm Hose	419451



Series 315 Standard Nipples

- 315 (3/8") Series (ARO380 & NITTO Interchange)

Description	Size	Part Number
● Hose connection	8mm (5/16")	419452
▶ Hose connection	10mm (3/8")	417947
● Hose connection	13mm (1/2")	419453
● Male thread	3mm (1/8" BSPM)	419454
▶ Male thread	6mm (1/4" BSPM)	417946
● Male thread	10mm (3/8" BSPM)	419455
● Male thread	13mm (1/2" BSPM)	419456
● Female thread	3mm (1/8" BSPF)	419457
● Female thread	6mm (1/4" BSPF)	417948
● Female thread	10mm (3/8" BSPF)	419458
● Female thread	13mm (1/2" BSPF)	419459
● Stream-line connection	6.5 x 10mm Hose	419460
● Stream-line connection	8 x 12mm Hose	419461



Series 300 – Esafe Couplings

- 300 (1/4") Series (ARO210 Interchange)
- Complies with ISO4414 & European standard EN 983

Description	Size	Part Number
● Hose connection	8mm (5/16")	02456423
■ Hose connection	10mm (3/8")	02456440
■ Male thread	6mm (1/4" BSPM)	02456457
● Male thread	10mm (3/8" BSPM)	02456474
▶ Male thread	13mm (1/2" BSPM)	02456491
■ Female thread	6mm (1/4" BSPF)	02456508
▶ Female thread	10mm (3/8" BSPF)	02456525
▶ Female thread	13mm (1/2" BSPF)	02456542
● ESAFE 300 multi-link	1	02456576
● ESAFE 300 multi-link	2	02456593
▶ ESAFE 300 multi-link	3	02456610
▶ ESAFE 300 multi-link	4	02456627



Series 315 – Esafe Couplings

- 315 Series (ARO380 & NITTO Interchange)
- Complies with ISO4414 & European Standard EN 983

Description	Size	Part Number
▶ Hose connection	10mm (3/8")	417951
● Hose connection	13mm (1/2")	419462
● Male thread	6mm (1/4" BSPM)	417949
● Male thread	10mm (3/8" BSPM)	419463
● Male thread	13mm (1/2" BSPM)	419464
▶ Female thread	6mm (1/4" BSPF)	417950
● Female thread	10mm (3/8" BSPF)	419465
● Female thread	13mm (1/2" BSPF)	419466



Series 342 – Air Breathing Couplings

- 342 Series (Double Action Fittings)
- Complies with AS/NZS 1716:2012

Description	Size	Part Number
● Hose connection	6mm (1/4")	02456916
● Hose connection	8mm (5/16")	02456933
● Hose connection	10mm (3/8")	02456950
● Hose connection	13mm (1/2")	02456967
● Male thread	6mm (1/4" BSPM)	02456984
▶ Male thread	10mm (3/8" BSPM)	02457001
▶ Male thread	13mm (1/2" BSPM)	02457018
● Female thread	6mm (1/4" BSPF)	02457035
● Female thread	10mm (3/8" BSPF)	02457052
● Female thread	13mm (1/2" BSPF)	02457069



Series 342 – Air Breathing Nipples

Description	Size	Part Number
● Hose connection	6mm (1/4")	02457086
▶ Hose connection	10mm (3/8")	02457103
● Male thread	6mm (1/4" BSPM)	02457137
● Male thread	10mm (3/8" BSPM)	02457154
● Male thread	13mm (1/2" BSPM)	02457171
● Female thread	6mm (1/4" BSPF)	02457288
● Female thread	10mm (3/8" BSPF)	02457205



Series 550 – Esafe Couplings

- 550 (1/2") Series (ARO 400 Interchange)
- Complies with ISO4414 & European Standard EN 983

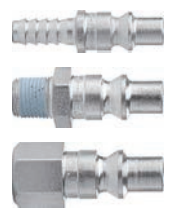
Description	Size	Part Number
▶ Hose connection	13mm (1/2")	06600512
▶ Male thread	13mm (1/2" BSPM)	03229549
▶ Female thread	13mm (1/2" BSPF)	03229583



Series 300 – Nipples

- 300 Series (ARO210 Interchange)

Description	Size	Part Number
■ Hose connection	6mm (1/4")	02456780
■ Hose connection	8mm (5/16")	02456797
■ Hose connection	10mm (3/8")	02456814
■ Male thread	6mm (1/4" BSPM)	02456831
■ Male thread	10mm (3/8" BSPM)	02456848
▶ Male thread	13mm (1/2" BSPM)	02456865
■ Female thread	6mm (1/4" BSPF)	02456882
■ Female thread	10mm (3/8" BSPF)	02456899



208 Series – Blow Guns Air & Fluid

Description	Part Number
● Standard blow gun 1/4" Inlet, no tube – Use with removable tubes	024572222
▶ Standard blow gun 1/4" Inlet with 90mm long fixed tube	02457239
▶ Blow gun tube 300mm – Removable	02457273
▶ Blow gun tube 500mm – Removable	02457290
● Blow gun tube 90mm – Removable	02457256
■ Blow gun tube 400mm bendable – Removable	02457307



210 Series – Multiflow Air & Fluid Gun

Description	Part Number
■ Multiflow air & fluid gun with adjustable nozzle and 1/4" BSPF Inlet	02457477



KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Brass ESO Couplings

LUDECKE

Coupling Materials:

- Connections, sleeve, valve body, valve are made from brass MS 58 alloy spring, retaining ring and pins are from Stainless Steel Grade 316

Ends:

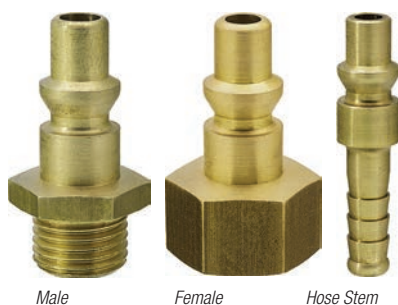
- Screwed BSP or Hose end depending on configuration Ludecke DN 5.5 ARO brass airing couplings offer a new closed sleeve profile which protects couplings from dirt
- New improved stem profile allows safe and simple fit and easy assembly
- Designed and manufactured in Germany for use with compressed air lines in all workshops throughout the industrial and rural areas
- Interchangeable with Rectus Series 14/22 and ARO 210
- The Ludecke ESO brass quick disconnect coupling is suitable for a maximum working pressure of 35 bar and is ideal for areas where steel couplings corrode



Mfr No.	Description	Part Number
▶ ESO 14 A	Couplings with male thread 1/4"	05570856
▶ ESO 38 A	Couplings with male thread 3/8"	05570890
▶ ESO 14 I	Couplings with female thread 1/4"	05570822
▶ ESO 6 T	Couplings with hose stem 6mm	05570839
▶ ESO 9 T	Couplings with hose stem 9mm	05570873

Brass Adaptor Plugs

LUDECKE



Mfr No.	Description	Part Number
▶ ESO 18 NA	Adaptor plugs with male thread 1/8"	05568357
▶ ESO 14 NA	Adaptor plugs with male thread 1/4"	05568425
▶ ESO 38 NA	Adaptor plugs with male thread 3/8"	05568493
▶ ESO 14 NI	Adaptor plugs with female thread 1/4"	05568374
▶ ESO 38 NI	Adaptor plugs with female thread 3/8"	05568459
▶ ESO 6 S	Adaptor plugs with hose stem 6mm	05568391
▶ ESO 9 S	Adaptor plugs with hose stem 9mm	05568476

Brass Distributor

LUDECKE



Mfr No.	Description	Part Number
▶ VWS 38	Distributor with female thread 3/8" – 4 Way	05570924
▶ DWS 38	Distributor with female thread 3/8" – 3 Way	05570907

FITTINGS – AIRLINE & ACCESSORIES

Air Duster Guns

Variety of air duster blow gun options to suit different workshop requirements.

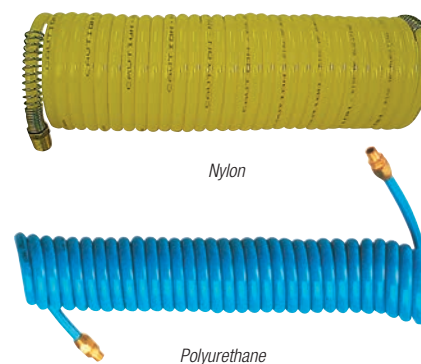
Different material grades and trigger styles are available.



Mfr No.	Description	Part Number
▶ MP5143	Plastic pistol grip blowgun with narrow 3" extended nozzle	05768566
▶ MP3202	Metal lever action blowgun with extended 3 1/2" nozzle	05768481
▶ FCT308	Metal pistol grip air duster	05763891
▶ TL1032	Engine cleaning gun	05770368
▶ MP5156	Duster gun 2ft extension	07106602

Airline Fittings – Recoil Hoses

Excellent flexibility and retracts for improved storage.



Mfr No.	Type	Hose ID	Length Ft	Part Number
▶ MP2681	Nylon	1/4"	25	05768379
▶ MP2874	Nylon	1/4"	50	05768396
▶ MP5152	Polyurethane	3/8"	25	05768600

RELATED PRODUCT

Air Duster Gun



- Easily cleans and removes dust from equipment
- Impact resistant gun body and stainless steel spring
- Seamless air pipe to prevent air leakage

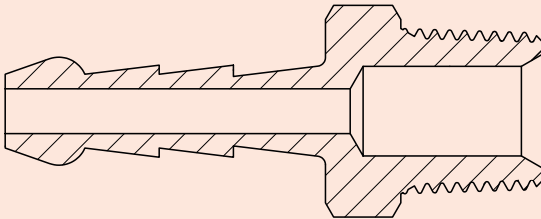


SEE TOOLS – AIR, MACHINERY & WORKSHOP: CHAPTER 20

PRODUCT INSIGHT

TITON AIRLINE FITTINGS

Titon Airline Fittings are manufactured using a specially beaded barb design and are made from high quality Dezincification Resistant (DZR) brass alloy. These 6° barbs give exceptional sealing properties, while the end bead provides a shoulder preventing any longitudinal movement of the hose. Use with all rubber, PVC and flexible hoses, generally used where lower working pressures are encountered, although with correct selection of hose and clamp, higher pressures can be accommodated.



Using a special beaded barb design, TITON airline fittings provide unparalleled security against the hose pulling off the barb. They are available in sizes ranging from 3/16" to 1", and are manufactured from high quality DZR brass alloy.

Advantages

Almost impossible to pull hose off. The 6° barbs give exceptional sealing properties, while the end bead provides a shoulder preventing any longitudinal movement of the hose. For added integrity two hose clips may be used.

Applications

Use with all rubber, plastic and other flexible hoses. Generally used where lower pressures (750kPa) are encountered, although with the correct selection of hose and clamp, higher pressures can be accommodated.

Working Pressures

TITON AirLine Fittings should be used where lower pressures exist (1000kPa [145psi] maximum).

Assembly

- I. Slide clamp onto hose.
- II. Push hose fully onto barb.
- III. Position clamp in the centre of the barb and tighten.

Special Sizes

Other sizes not specified are available upon request.

FITTINGS – BRASS

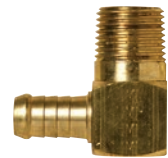
Swivel Connector

- Consists of Nut and Hose Barb



Mfr No.	Hose ID mm	Thread Size inch	Part Number
▶ 2010302	5	1/8 BSPP	05625341
▶ 2010304	5	1/4 BSPP	03571604
■ 2010404	6	1/4 BSPP	03563502
▶ 2010406	6	3/8 BSPP	03571905
■ 2010504	8	1/4 BSPP	03563706
▶ 2010506	8	3/8 BSPP	03572108
▶ 2010604	10	1/4 BSPP	03622401
▶ 2010606	10	3/8 BSPP	03563900
▶ 2010608	10	1/2 BSPP	03564501
▶ 2010806	13	3/8 BSPP	03564006
▶ 2010808	13	1/2 BSPP	03564103
▶ 2011212	19	3/4 BSPP	03564307
▶ 2011616	25	1 BSPP	05625324

Male Elbow



Mfr No.	Hose ID mm	Thread Size inch	Part Number
▶ 2020302	5	1/8 BSPT	03545009
▶ 2020402	6	1/8 BSPT	03545106
■ 2020404	6	1/4 BSPT	03545203
▶ 2020502	8	1/8 BSPT	03545300
■ 2020504	8	1/4 BSPT	03619207
▶ 2020602	10	1/8 BSPT	03545407
■ 2020604	10	1/4 BSPT	03545504
■ 2020606	10	3/8 BSPT	08900018
▶ 2020804	13	1/4 BSPT	05625749
■ 2020806	13	3/8 BSPT	05625766
■ 2020808	13	1/2 BSPT	03545601
▶ 2021006	16	3/8 BSPT	05625528
▶ 2021008	16	1/2 BSPT	05625545
▶ 2021212	19	3/4 BSPT	05625562
▶ 2021612	25	3/4 BSPT	05625579

Airline Tee



Mfr No.	Hose ID mm	Part Number
■ 20303	5	03548608
■ 20304	6	03548705
■ 20305	8	03548802
■ 20306	10	03548909
■ 20308	13	03549005
▶ 20310	16	05625800
▶ 20312	19	03548307
● 20316	25	02971947

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Airline Joiner

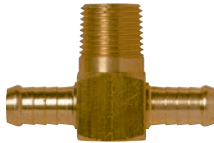
TITON



Mfr No.	Hose ID mm	Part Number
20503	5	03562600
20504	6	03562707
20505	8	03562804
20506	10	03562901
20508	13	03563007
20510	16	05625953
20512	19	03622304
20516	25	05625987

Male Branch Tee

TITON



Mfr No.	Hose ID mm	Thread Size inch	Part Number
2060402	6	1/8 BSPT	05626089
2060404	6	1/4 BSPT	05626106
2060502	8	1/8 BSPT	05626123
2060504	8	1/4 BSPT	05626140
2060604	10	1/4 BSPT	05626157
2060806	13	3/8 BSPT	05626174
2060808	13	1/2 BSPT	05626191

Female Connector

TITON



Mfr No.	Hose ID mm	Thread Size inch	Part Number
2070302	5	1/8 BSPP	03622100
2070402	6	1/8 BSPP	03561106
2070404	6	1/4 BSPP	03561407
2070406	6	3/8 BSPP	05626259
2070502	8	1/8 BSPP	03569603
2070504	8	1/4 BSPP	03561504
2070506	8	3/8 BSPP	03561902
2070508	8	1/2 BSPP	03562309
2070602	10	1/8 BSPP	05626344
2070604	10	1/4 BSPP	03561601
2070606	10	3/8 BSPP	03562008
2070608	10	1/2 BSPP	00862556
2070804	13	1/4 BSPP	03561708
2070806	13	3/8 BSPP	03562105
2070808	13	1/2 BSPP	03562503
2071212	19	3/4 BSPP	05626208

Swivel Male Connector

TITON

- Hose is free to rotate independently



Mfr No.	Hose ID mm	Thread Size inch	Part Number
209ST0404	6	1/4 BSPT	03579101
209ST0606	10	3/8 BSPT	03579208
209ST0808	13	1/2 BSPT	03579402
209ST1212	19	3/4 BSPT	03579509

Male Connector

TITON



Mfr No.	Hose ID mm	Thread Size inch	Part Number
2090302	5	1/8 BSPT	03558708
2090304	5	1/4 BSPT	03559202
2090402	6	1/8 BSPT	03558805
2090404	6	1/4 BSPT	03559309
2090406	6	3/8 BSPT	00817953
2090408	6	1/2 BSPT	03560107
2090502	8	1/8 BSPT	03558902
2090504	8	1/4 BSPT	03559406
2090506	8	3/8 BSPT	03559804
2090508	8	1/2 BSPT	03560204
2090602	10	1/8 BSPT	03559008
2090604	10	1/4 BSPT	03559503
2090606	10	3/8 BSPT	03559901
2090608	10	1/2 BSPT	03560301
2090612	10	3/4 BSPT	05626837
2090802	13	1/8 BSPT	03559105
2090804	13	1/4 BSPT	03559600
2090806	13	3/8 BSPT	03560000
2090808	13	1/2 BSPT	03560408
2090812	13	3/4 BSPT	03560602
2091004	16	1/4 BSPT	05335156
2091006	16	3/8 BSPT	00017918
2091008	16	1/2 BSPT	00018037
2091012	16	3/4 BSPT	04101954
2091206	19	3/8 BSPT	05418215
2091208	19	1/2 BSPT	03560505
2091212	19	3/4 BSPT	03560709
2091216	19	1 BSPT	03560903
2091608	25	1/2 BSPT	05626650
2091612	25	3/4 BSPT	03560806
2091616	25	1 BSPT	03561009

Fuel Filter Hose Adaptor

TITON



Mfr No.	Hose ID mm	Thread Size inch	Part Number
6C-0405	6	1/2 x 20 TPI	05558786
6C-0505	8	1/2 x 20 TPI	05558820
6C-0605	10	1/2 x 20 TPI	05558837

FITTINGS - SCREWED PIPE - BRASS

Hex Plug Solid

TITON



Mfr No.	Size inch	Part Number
315202S	1/8	03310001
315204S	1/4	03310108
315206S	3/8	00828257
315208S	1/2	03310302
315212S	3/4	03310409
315216S	1	03310506

Male to Female Adaptor

TITON



Mfr No.	Size inch	Part Number
32000202	1/8 x 1/8	03340204
32000402	1/4 x 1/8	03285505
32000404	1/4 x 1/4	03340301
32000602	3/8 x 1/8	03848803
32000604	3/8 x 1/4	03285602
32000606	3/8 x 3/8	03340408
32000804	1/2 x 1/4	03285709
32000806	1/2 x 3/8	03285806
32000808	1/2 x 1/2	03340505
32001204	3/4 x 1/4	05627296
32001206	3/4 x 3/8	05627313
32001208	3/4 x 1/2	03285903

Reducing Bush

TITON



Mfr No.	Size inch	Part Number
32240402	1/4 x 1/8	03296002
32240602	3/8 x 1/8	03296109
32240604	3/8 x 1/4	03296206
32240802	1/2 x 1/8	03296303
32240804	1/2 x 1/4	03296400
32240806	1/2 x 3/8	03296507
32241202	3/4 x 1/8	03296604
32241204	3/4 x 1/4	03296701
32241206	3/4 x 3/8	03296808
32241208	3/4 x 1/2	03296905
32241606	1 x 3/8	03297108
32241608	1 x 1/2	03297205
32241612	1 x 3/4	03297302

Hex Socket

TITON



Mfr No.	Size inch	Part Number
330002	1/8	03313008
330004	1/4	03313105
330006	3/8	03292006
330008	1/2	03292103
330012	3/4	03292200
330016	1	03292307

Reducing Socket

TITON



Mfr No.	Size inch	Part Number
33040402	1/4 x 1/8	03314308
33040602	3/8 x 1/8	03646005
33040604	3/8 x 1/4	03314405
33040802	1/2 x 1/8	00018173
33040804	1/2 x 1/4	03314502
33040806	1/2 x 3/8	03314609
33041206	3/4 x 3/8	03314706
33041208	3/4 x 1/2	03314803
33041612	1 x 3/4	02551719

Reducing Nipple

TITON



Mfr No.	Size inch	Part Number
33240402	1/4 x 1/8	03307108
33240602	3/8 x 1/8	03307205
33240604	3/8 x 1/4	03307302
33240802	1/2 x 1/8	03307409
33240804	1/2 x 1/4	03307506
33240806	1/2 x 3/8	03307603
33241204	3/4 x 1/4	03307700
33241206	3/4 x 3/8	03307807
33241208	3/4 x 1/2	03307904
33241608	1 x 1/2	02733113
33241612	1 x 3/4	03308107

Hex Nipple

TITON



Mfr No.	Size inch	Part Number
332502	1/8	03305906
332504	1/4	03306002
332506	3/8	03306109
332508	1/2	03306206
332512	3/4	03306303
332516	1	03306400

Long Barrel Nipple

TITON



Mfr No.	Size inch	Part Number
3327021.5	1/8 x 1 1/2	03214877
3327022	1/8 x 2	02971828
3327022.5	1/8 x 2 1/2	03284322
3327023	1/8 x 3	02971845
3327041.5	1/4 x 1 1/2	02943505
3327042	1/4 x 2	05628299
3327042.5	1/4 x 2 1/2	05628316
3327043	1/4 x 3	02971879
3327061.5	3/8 x 1 1/2	05628350
3327062	3/8 x 2	05628367
3327062.5	3/8 x 2 1/2	05628384
3327063	3/8 x 3	05628401
3327082	1/2 x 2	05628435
3327082.5	1/2 x 2 1/2	03423688
3327083	1/2 x 3	05628452

Barrel Nipple

TITON



Mfr No.	Size inch	Part Number
332602	1/8	03308806
332604	1/4	03308903
332606	3/8	03309009
332608	1/2	03309106
332612	3/4	03309203

Female 90° Elbow

TITON



Mfr No.	Size inch	Part Number
350002	1/8	03303500
350004	1/4	03303607
350006	3/8	03303704
350008	1/2	03303801

Male to Female 90° Elbow

TITON



Mfr No.	Size inch	Part Number
340002	1/8	03304703
340004	1/4	03304800
340006	3/8	03304907
340008	1/2	03305003

Male 90° Elbow

TITON



Mfr No.	Size inch	Part Number
36000202	1/8	02957504
36000404	1/4	02957708
36000606	3/8	02957902
36000806	1/2 x 3/8	05628656
36000808	1/2	02958008

Female Tee

TITON



Mfr No.	Size inch	Part Number
370002	1/8	03316209
370004	1/4	03316306
370006	3/8	03293005
370008	1/2	03293102

Female Cross

TITON



Mfr No.	Size inch	Part Number
390002	1/8	02949800
390004	1/4	05628775
390006	3/8	05628792
390008	1/2	05628809

Male Run/Female Tee

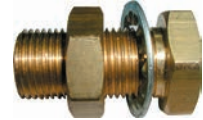
TITON



Mfr No.	Size inch	Part Number
400002	1/8	02971862
400004	1/4	05628826
400006	3/8	05628843

Bulkhead Union

TITON



Mfr No.	Size inch	Part Number
BU02	3/8 UNF Male x 1/8 BSPT	05631954
BU04	3/4 UNF Male x 1/4 BSPT	05568697
BU06	7/8 UNF Male x 3/8 BSPT	05632005

FITTINGS - COMPRESSION - BRASS

Sleeve

- For all materials, ideal for nylon

TITON



Mfr No.	Tube Size	Part Number
60N02	1/8"	03022108
60N03	3/16"	03022302
60N04	1/4"	03022409
60N05	5/16"	03022506
60N06	3/8"	03022603
60N08	1/2"	03022700
60N10	5/8"	03022807
60N12	3/4"	03022904
M60N04	4mm	05632141
M60N06	6mm	02900302
M60N08	8mm	04866801
M60N10	10mm	04866852
M60N12	12mm	05632209

Sleeve

- Ideal for copper

TITON



Mfr No.	Tube Size	Part Number
6002	1/8	02900001
6003	3/16	02900108
6004	1/4	02900409
6005	5/16	02900506
6006	3/8	02900603
6008	1/2	02900807
60010	3/4	05630356

Hose Insert

TITON



Mfr No.	Tube ID	Thread Size (or tube)	Part Number
26103	3/16"	3.10mm	03044500
26104	1/4"	3.86mm	03044607
26105	5/16"	5.03mm	03044704
26106	3/8"	5.84mm	03044801
26108	1/2"	9.14mm	05627177
26110	5/8"	12.20mm	05627109

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Compression Nut

TITON



Mfr No.	Tube Size	Part Number
▶ 6102	1/8"	02362319
▶ 6103	3/16"	02901301
▶ 6104	1/4"	02901505
▶ 6105	5/16"	02901602
▶ 6106	3/8"	02901709
▶ 6108	1/2"	02901903
▶ M6106	6mm	05632243
▶ M6108	8mm	05632260
▶ M6110	10mm	05632277
▶ M6112	12mm	05632294

Double Union

- With 60N sleeves & 61 nuts

TITON



Mfr No.	Tube Size	Part Number
▶ 6202	1/8"	02905006
▶ 6203	3/16"	02905103
▶ 6204	1/4"	02905307
▶ 6205	5/16"	02905608
▶ 6206	3/8"	02905802
▶ 6208	1/2"	02900005
▶ 6210	5/8"	08053318
▶ 6212	3/4"	05630747
▶ M6204	4mm	05632311
▶ M6206	6mm	05632328
▶ M6208	8mm	05632345
▶ M6210	10mm	05632362
▶ M6212	12mm	05632379

Union Tee

TITON



Mfr No.	Tube Size	Part Number
▶ 6402	1/8"	02926205
▶ 6403	3/16"	02926302
▶ 6404	1/4"	02926409
▶ 6405	5/16"	02926506
▶ 6406	3/8"	02926603
▶ 6408	1/2"	02926807
▶ 6410	5/8"	01490208
▶ 6412	3/4"	01490305
▶ M6406	6mm	05632396
▶ M6408	8mm	05632413
▶ M6410	10mm	05632430
▶ M6412	12mm	05632447

Reducing Union

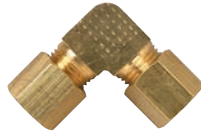
TITON



Mfr No.	Tube Size inch	Part Number
▶ 62R0403	1/4 x 3/16	08897118
▶ 62R0605	3/8 x 5/16	08052717
▶ 62R0804	1/2 x 1/4	08902511
▶ 62R0806	1/2 x 3/8	02905909

Union Elbow

TITON



Mfr No.	Tube Size inch	Part Number
▶ 6502	1/8"	02921103
▶ 6503	3/16"	02921200
▶ 6504	1/4"	02921307
▶ 6505	5/16"	02921404
▶ 6506	3/8"	02921501
▶ 6508	1/2"	02921608
▶ 6510	5/8"	03032208

Female Connector

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
▶ 660202	1/8"	1/8" BSPP	03694507
▶ 660302	3/16"	1/8" BSPP	02919704
▶ 660402	1/4"	1/8" BSPP	02919801
▶ 660404	1/4"	1/4" BSPP	02919908
▶ 660406	1/4"	3/8" BSPP	00215696
▶ 660408	1/4"	1/2" BSPP	05631053
▶ 660502	5/16"	1/8" BSPP	02920007
▶ 660504	5/16"	1/4" BSPP	02920104
▶ 660506	5/16"	3/8" BSPP	05631104
▶ 660602	3/8"	1/8" BSPP	05631121
▶ 660604	3/8"	1/4" BSPP	02920308
▶ 660606	3/8"	3/8" BSPP	02920405
▶ 660608	3/8"	1/2" BSPP	08058614
▶ 660806	1/2"	3/8" BSPP	02920502
▶ 660808	1/2"	1/2" BSPP	02920609

Female Elbow

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
▶ 700402	1/4"	1/8" BSPP	02724517
▶ 700604	3/8"	1/4" BSPP	05631869
▶ 700806	1/2"	3/8" BSPP	05631886

Male Connector

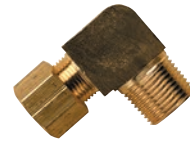
TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
▶ 680202	1/8"	1/8" BSPT	02902300
▶ 680204	1/8"	1/4" BSPT	03156771
▶ 680302	3/16"	1/8" BSPT	02902407
▶ 680304	3/16"	1/4" BSPT	03693003
▶ 680402	1/4"	1/8" BSPT	02902601
▶ 680404	1/4"	1/4" BSPT	02902708
▶ 680406	1/4"	3/8" BSPT	02902805
▶ 680408	1/4"	1/2" BSPT	02902902
▶ 680502	5/16"	1/8" BSPT	02903008
▶ 680504	5/16"	1/4" BSPT	02903105
▶ 680506	5/16"	3/8" BSPT	02903202
▶ 680508	5/16"	1/2" BSPT	05631410
▶ 680602	3/8"	1/8" BSPT	02903406
▶ 680604	3/8"	1/4" BSPT	02903503
▶ 680606	3/8"	3/8" BSPT	02903600
▶ 680608	3/8"	1/2" BSPT	02903707
▶ 680804	1/2"	1/4" BSPT	02903901
▶ 680806	1/2"	3/8" BSPT	02904007
▶ 680808	1/2"	1/2" BSPT	02904104
▶ 680812	1/2"	3/4" BSPT	01442117
▶ 681006	5/8"	3/8" BSPT	00216036
▶ 681008	5/8"	1/2" BSPT	05631563
▶ 681208	3/4"	1/2" BSPT	05631597
▶ 681212	3/4"	3/4" BSPT	01437204
▶ M680402	4mm	1/8" BSPT	04866954
▶ M680602	6mm	1/8" BSPT	04867005
▶ M680604	6mm	1/4" BSPT	04867056
▶ M680606	6mm	3/8" BSPT	05632498
▶ M680804	8mm	1/4" BSPT	04867107
▶ M680806	8mm	3/8" BSPT	05632532
▶ M681004	10mm	1/4" BSPT	04867209
▶ M681006	10mm	3/8" BSPT	04867226
▶ M681204	12mm	1/4" BSPT	05632583
▶ M681206	12mm	3/8" BSPT	05632600
▶ M681208	12mm	1/2" BSPT	05632617

Male Elbow

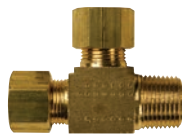
TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
▶ 690202	1/8"	1/8" BSPT	02906500
▶ 690302	3/16"	1/8" BSPT	02906607
▶ 690402	1/4"	1/8" BSPT	02906704
▶ 690404	1/4"	1/4" BSPT	02906801
▶ 690406	1/4"	3/8" BSPT	02906908
▶ 690502	5/16"	1/8" BSPT	02907101
▶ 690504	5/16"	1/4" BSPT	02907208
▶ 690602	3/8"	1/8" BSPT	02907509
▶ 690604	3/8"	1/4" BSPT	02907606
▶ 690606	3/8"	3/8" BSPT	02907703
▶ 690608	3/8"	1/2" BSPT	02907800
▶ 690806	1/2"	3/8" BSPT	02908003
▶ 690808	1/2"	1/2" BSPT	02908100
▶ M690402	4mm	1/8" BSPT	04866189
▶ M690404	4mm	1/4" BSPT	04866206
▶ M690602	6mm	1/8" BSPT	04866257
▶ M690604	6mm	1/4" BSPT	04866274
▶ M690804	8mm	1/4" BSPT	04866308

Union Male Run Tee

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
710302	3/16"	1/8" BSPP	03035108
710402	1/4"	1/8" BSPP	02924605
710604	3/8"	1/4" BSPP	02925002
710806	1/2"	3/8" BSPP	03035506

Union Male Branch Tee

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
720202	1/8"	1/8" BSPP	05631903
720302	3/16"	1/8" BSPP	03650509
720402	1/4"	1/8" BSPP	03650606
720404	1/4"	1/4" BSPP	03650703
720502	5/16"	1/8" BSPP	03650800
720504	3/8"	1/4" BSPP	03650907
720604	3/8"	1/4" BSPP	02922607
720806	1/2"	3/8" BSPP	02922908

FITTINGS - FLARE - BRASS

Double Flare 90° Elbow

TITON



Mfr No.	Tube Size inch	Part Number
5502	1/8"	05555284
5503	3/16"	02933308
5504	1/4"	02933405
5505	5/16"	02933609
5506	3/8"	02933706
5508	1/2"	02933900

Double Flare Union

TITON



Mfr No.	Tube Size inch	Part Number
4202	1/8"	02931106
4203	3/16"	02931203
4204	1/4"	02931407
4205	5/16"	02931902
4206	3/8"	02932202
4208	1/2"	02932503
4210	5/8"	02932804

Flare Female Connector

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
460202	1/8"	1/8" BSPP	05629387
460302	3/16"	1/8" BSPP	02928601
460402	1/4"	1/8" BSPP	02929008
460404	1/4"	1/4" BSPP	02929105
460406	1/4"	3/8" BSPP	02929202
460502	3/8"	1/4" BSPP	02929503
460504	3/8"	1/4" BSPP	02929406
460602	3/8"	1/4" BSPP	02929804
460604	3/8"	1/4" BSPP	02929901
460606	3/8"	3/8" BSPP	01153202
460608	3/8"	1/2" BSPP	02930107
460804	1/2"	1/4" BSPP	02930204
460806	1/2"	3/8" BSPP	02930301
460808	1/2"	1/2" BSPP	02930408
461208	3/4"	1/2" BSPP	00000901

Flare Female Elbow

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
500202	1/8"	1/8" BSPT	05630152
500402	1/4"	1/8" BSPT	02949004
500606	3/8"	3/8" BSPT	02949402

Flare Male Branch Tee

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
450202	1/8"	1/8" BSPT	05555199
450302	3/16"	1/8" BSPT	02935908
450402	1/4"	1/8" BSPT	02936004
450502	5/16"	1/8" BSPT	02936305
450604	3/8"	1/4" BSPT	02936703
450806	1/2"	3/8" BSPT	02937100

Flare Male Connector

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
480202	1/8"	1/8" BSPT	02912604
480302	3/16"	1/8" BSPT	02912701
480304	3/16"	1/4" BSPT	02912808
480402	1/4"	1/8" BSPT	02913108
480404	1/4"	1/4" BSPT	02913205
480406	1/4"	3/8" BSPT	02913302
480408	1/4"	1/2" BSPT	02913409
480502	5/16"	1/8" BSPT	03658103
480504	3/8"	1/4" BSPT	02913506
480506	3/8"	3/8" BSPT	02913603
480602	3/8"	1/2" BSPT	02913807
480604	3/8"	1/4" BSPT	02913904
480606	3/8"	3/8" BSPT	02914000
480608	3/8"	1/2" BSPT	02914107
480804	1/2"	1/4" BSPT	02914408
480806	1/2"	3/8" BSPT	02914505
480808	1/2"	1/2" BSPT	02914602
481208	3/4"	1/2" BSPT	02915203
481212	3/4"	3/4" BSPT	02915300

Flare Male Elbow

TITON



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
490302	3/16"	1/8" BSPT	02915708
490402	1/4"	1/8" BSPT	02915805
490404	1/4"	1/4" BSPT	02915902
490406	1/4"	3/8" BSPT	02916008
490502	5/16"	1/8" BSPT	02916202
490504	3/8"	1/4" BSPT	02916309
490602	3/8"	1/8" BSPT	02916600
490604	3/8"	1/4" BSPT	02916707
490606	3/8"	3/8" BSPT	02916804
490608	3/8"	1/2" BSPT	02916901
490804	1/2"	1/4" BSPT	02917007
490806	1/2"	3/8" BSPT	02917104
490808	1/2"	1/2" BSPT	01152504
491208	3/4"	1/2" BSPT	02917706

Flare Tee

TITON



Mfr No.	Tube Size inch	Part Number
4402	1/8"	02934307
4403	3/16"	02934404
4404	1/4"	02934501
4405	5/16"	02934705
4406	3/8"	02934909
4408	1/2"	02935306
4410	5/8"	02935607

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Gas Flare Assembly

- Consists of GFN nut & GFM connector



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
▶ GFC1006	10mm	3/8" BSPT	05554434
● GFC1008	10mm	1/2" BSPT	05554451
● GFC1508	15mm	1/2" BSPT	05554468
● GFC2012	20mm	3/4" BSPT	05554485

Gas Flare Female Connector

- Stress relieved



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
● GFF1508	15mm	1/2" BSPT	05632056
● GFF2012	20mm	3/4" BSPT	05632073

Gas Flare Nut

- Stress relieved



Mfr No.	Tube Size inch	Part Number
● GFN10	10mm	05632090
● GFN15	15mm	05632107
● GFN20	20mm	05632124

Inverted Flare Male Connector



Mfr No.	Tube Size OD	Thread Size (or tube)	Part Number
● 2000302	3/16"	1/8" BSPT	05625239
▶ 2000402	1/4"	1/8" BSPT	02965509
● 2000404	1/4"	1/4" BSPT	05625273
● 2000502	5/16"	1/8" BSPT	02965703
▶ 2000504	3/8"	1/4" BSPT	05625290
● 2000604	3/8"	1/4" BSPT	02965800

Inverted Flare Nut



Mfr No.	Tube Size inch	Part Number
● 10503	3/16"	05789136
● 10504	1/4"	02962201
● 10505	5/16"	02962308
● 10506	3/8"	02962405

Short Flare Nut



Mfr No.	Tube Size inch	Part Number
● 41S02	1/8"	05628996
▶ 41S03	3/16"	05629013
▶ 41S04	1/4"	02910305
▶ 41S05	5/16"	02910606
▶ 41S06	3/8"	02911003
▶ 41S08	1/2"	02911401
● 41S10	5/8"	08055510
● 41S12	3/4"	05628979

Long Flare Nut

- Improved vibration resistance



Mfr No.	Tube Size inch	Part Number
● 4102	1/8"	05628860
▶ 4103	3/16"	03486401
▶ 4104	1/4"	03486508
▶ 4105	5/16"	03486605
▶ 4106	3/8"	03486702
● 4108	1/2"	03486809

FITTINGS - PNEUMATIC PUSH FIT

Banjo Flow Control

John Guest



Mfr No.	Size	Part Number
● BFC360411E	4mm x 1/8"	05778681
▶ BFC360611E	6mm x 1/8"	05778698
● BFC360612E	6mm x 1/4"	05778715
● BFC360812E	8mm x 1/4"	05778732
● BFC361013E	10mm x 3/8"	06301669
● BFC361214E	12mm x 1/2"	06301686

Elbow Connector

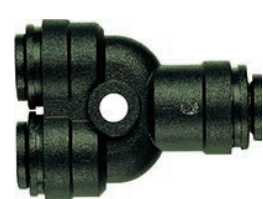
John Guest



Mfr No.	Size	Part Number
● RM0304E	4mm	05554604
▶ RM0306E	6mm	05554638
▶ RM0308E	8mm	05554655
▶ RM0310E	10mm	05554672
▶ RM0312E	12mm	05554689

Equal Divider

John Guest



Mfr No.	Size	Part Number
▶ RM2306E	6mm	05560401
▶ RM2308E	8mm	05560418
● RM2312E	12mm	05560435

PRODUCT INSIGHT

SPEEDFIT PNEUMATIC FITTINGS

John Guest Metric RM series fittings have SuperThread, a unique thread seal developed by John Guest UK to enable male thread adaptors to be used with a variety of female thread forms.

These fittings can be used with BSPP, BSPT, NPTF, PF and PT metal thread forms. The special polyurethane seal feature means no sealant need be applied to make an airtight joint.

To make a connection, the tube is simply pushed in by hand; the unique John Guest collet locking system holds the tube firmly in place without deforming it or restricting flow.

Sizes up to 8mm are suitable for a maximum working pressure of 16 bar @ 20°C; 10mm & 12mm sizes are rated to 10 bar @ 20°C. This is a selection of the most commonly used parts, for details of the more extensive range please contact our branch sales teams for details.

John Guest

Equal Tee Connector

 John Guest



Mfr No.	Size	Part Number
▶ RM0204E	4mm	05554502
▶ RM0206E	6mm	05554536
▶ RM0208E	8mm	05554553
▶ RM0210E	10mm	05554570
▶ RM0212E	12mm	05554587

Stem Adaptor

 John Guest



Mfr No.	Size	Part Number
● PM050401E	4mm x 1/8"	05312609
● PM050402E	4mm x 1/4"	03223106
● PM050601E	6mm x 1/8"	05312643
▶ PM050602E	6mm x 1/4"	05312660
▶ RM050612 Brass	6mm x 1/2"	03223123
● PM050801E	8mm x 1/8"	05312677
● PM050802E	8mm x 1/4"	05312694
● RM050812 Brass	8mm x 1/2"	03223140
● PM050803E	8mm x 3/8"	03223157
● PM051002E	10mm x 1/4"	05312711
● PM051003E	10mm x 3/8"	05312728
● PM051004E	10mm x 1/2"	03223174
● PM051203E	12mm x 3/8"	05312745
● PM051204E	12mm x 1/2"	05312762

Straight Adaptor

 John Guest



Mfr No.	Size	Part Number
▶ RM010411	4mm x 1/8"	05559993
▶ RM010412	4mm x 1/4"	05560010
▶ RM010611	6mm x 1/8"	05560078
▶ RM010612	6mm x 1/4"	05560095
▶ RM010811	8mm x 1/8"	05560129
▶ RM010812	8mm x 1/4"	05560146
▶ RM010813	8mm x 3/8"	05560163
▶ RM011012	10mm x 1/4"	05560180
▶ RM011013	10mm x 3/8"	05560197
▶ RM011213	12mm x 3/8"	05560214
▶ RM011214	12mm x 1/2"	05560231

Straight Connectors

 John Guest



Mfr No.	Size	Part Number
▶ RM0404E	4mm	05560248
▶ RM0406E	6mm	05560282
▶ RM0408E	8mm	05560299
▶ RM0410E	10mm	05560316
▶ RM0412E	12mm	05560333

Swivel Elbow

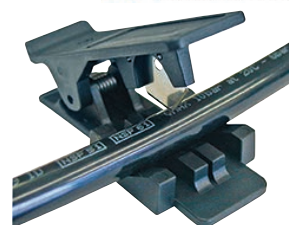
 John Guest



Mfr No.	Size	Part Number
▶ RM090411	4mm x 1/8"	05778851
▶ RM090412	4mm x 1/4"	06301720
▶ RM090611	6mm x 1/8"	05778885
▶ RM090612	6mm x 1/4"	05990671
▶ RM090811	8mm x 1/8"	05778919
▶ RM090812	8mm x 1/4"	05778936
▶ RM091012	10mm x 1/4"	05778970
▶ RM091013	10mm x 3/8"	05787980
▶ RM091213	12mm x 3/8"	05778987
▶ RM091214	12mm x 1/2"	05779004

T-Snips

 John Guest



Mfr No.	Part Number
▶ TSNIP	05560996

TUBING - POLYETHYLENE

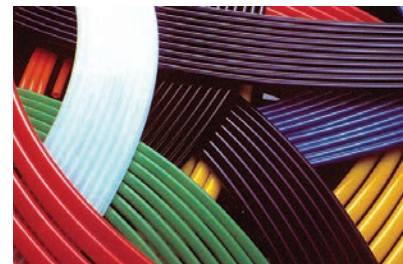
LLDPE Polyethylene Tubing

- Suitable for a wide range of temperatures and pressures, has a broad chemical compatibility and is made from non-contaminating material
- Designed for pneumatics applications, lightweight and very flexible
- All sizes rated to a maximum working pressure of 10bar

Outside Dia in	Inside Dia in	Max Lengths m	Black	Blue	Natural	Red
1/4	0.170	152			▶ 05778749	
3/16	0.187	152			▶ 05549402	
1/8	0.250	152			▶ 05549436	
1/2	0.375	76			▶ 05549453	
4	2.500	100	▶ 05549317	▶ 06568518	▶ 06568450	● 06568705
6	4.000	100	▶ 05549334	▶ 06568552	▶ 06568467	▶ 05549351
8	6.000	100	▶ 06568637	▶ 06568569	▶ 06568484	▶ 06568722
10	7.000	100	▶ 05778783	▶ 05778766	▶ 05549368	▶ 05549385
12	9.000	100	▶ 06568654	● 06568603	▶ 06568501	● 05549419

Available in a variety of colours to allow colour coding where required

 John Guest



PRODUCT INSIGHT

IRON PIPE FITTINGS - GALVANISED MALLEABLE

Galvanised Malleable Iron Pipe fittings conform to ISO 49, JIS B2301, ANSI B16.3, BS 143 and 1256, and AS 3673. Threads are to BS21 and AS 1722. Galvanised fittings have average thickness of 86µm minimum or average costing weight of 610g/m².

- Suitable for Air, Gas, Oil and Water at 120°C with a maximum working pressure of 24.5bar
- Suitable for Air, Gas, Oil and Water at 220°C with a maximum working pressure of 13.7bar
- Suitable for Air, Gas and Oil at 300°C with a maximum working pressure of 9.8bar



KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

FITTINGS – SCREWED PIPE – GALVANISED, MALLEABLE

Back Nut Galv



Size mm	Size inch	Part Number
▶ 8	¼"	03090305
▶ 10	⅜"	03090402
▶ 15	½"	03090509
▶ 20	¾"	03090606
▶ 25	1"	03090703
▶ 32	1¼"	03090800
▶ 40	1½"	03090907
▶ 50	2"	03091003
▶ 65	2½"	03091100
▶ 80	3"	03091207
▶ 100	4"	03091304

Bends 45° – Male x Female Galv



- Hot dipped galvanised
- Water – 1379kPa
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 25	1"	03096901
▶ 32	1¼"	03097007
▶ 40	1½"	03097104
▶ 50	2"	03097201

Bends 90° – Female x Female Galv



- Hot dipped galvanised
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 10	⅜"	02298218
▶ 15	½"	03091401
▶ 20	¾"	03091508
▶ 25	1"	03091605
▶ 32	1¼"	03091702
▶ 40	1½"	03091809
▶ 50	2"	03091906
▶ 65	2½"	03092002
▶ 80	3"	03092109
▶ 100	4"	09238417

Bend 90° Male x Female Galv



- Hot dipped galvanised
- Water – 1379kPa working pressure
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 8	¼"	03097405
▶ 10	⅜"	03097502
▶ 15	½"	03097609
▶ 20	¾"	03097706
▶ 25	1"	03097803
▶ 32	1¼"	03097900
▶ 40	1½"	03098006
▶ 50	2"	03098103
▶ 65	2½"	03098200
▶ 80	3"	03098307
▶ 100	4"	03098404

Bends 90° – Male x Male Galv



- Hot dipped galvanised
- Water – 1379kPa
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 20	¾"	09900415
▶ 25	1"	09900716
▶ 32	1¼"	09901016
▶ 40	1½"	09901210
▶ 50	2"	09901618

Galvanised Close Barrel Nipples – C/Taper



- BSPT Threads are to BS21
- Galvanised barrel nipples



Mfr No.	Size mm	Size inch	Part Number
▶ SPN08CLG	8	¼"	05553142
▶ SPN15CLG	15	½"	05552887
▶ SPN20CLG	20	¾"	05552921
▶ SPN25CLG	25	1"	05552955
▶ SPN32CLG	32	1¼"	05552989
▶ SPN40CLG	40	1½"	05553023
▶ SPN50CLG	50	2"	05553057
▶ SPN80CLG	80	3"	05553108
▶ SPN94CLG	100	4"	05552836

For further details of other sizes and lengths please contact us on 0800 660 660

Bush Reducing Galv



- Reducing sizes
- Galvanised malleable steel suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 8 x 6	¼" x ⅜"	03092206
▶ 10 x 6	⅜" x ⅝"	03092303
▶ 10 x 8	⅜" x 1"	03092400
▶ 15 x 8	½" x 1"	03092604
▶ 15 x 10	½" x 1½"	03092701
▶ 20 x 8	¾" x 1"	03092808
▶ 20 x 10	¾" x 1½"	03092905
▶ 20 x 15	¾" x 2"	03093001
▶ 25 x 8	1" x 1"	03093108
▶ 25 x 10	1" x 1½"	03093205
▶ 25 x 15	1" x 2"	03093302
▶ 25 x 20	1" x 2½"	03093409
▶ 32 x 15	1¼" x 1½"	03093603
▶ 32 x 20	1½" x 2"	03093700
▶ 32 x 25	1¼" x 2½"	03093807
▶ 40 x 15	1½" x 1½"	03093904
▶ 40 x 20	1½" x 2"	03094000
▶ 40 x 25	1½" x 2½"	03094107
▶ 40 x 32	1½" x 3"	03094204
▶ 50 x 15	2" x 1½"	03094301
▶ 50 x 20	2" x 2"	03094408
▶ 50 x 25	2" x 2½"	03094505
▶ 50 x 32	2" x 3"	03094602
▶ 50 x 40	2" x 3½"	03094709
▶ 65 x 25	2½" x 1"	03094903
▶ 65 x 32	2½" x 1½"	03629705
▶ 65 x 40	2½" x 2"	00829052
▶ 65 x 50	2½" x 2½"	03095106
▶ 80 x 25	3" x 1"	03095203
▶ 80 x 32	3" x 1½"	03095300
▶ 80 x 40	3" x 2"	03095407
▶ 80 x 50	3" x 2½"	03095504
▶ 80 x 65	3" x 3"	03095601
▶ 100 x 50	4" x 2"	03096105
▶ 100 x 65	4" x 2½"	03096202
▶ 100 x 80	4" x 3"	03096309

Cap Galv



- Galvanised malleable steel suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 8	¼"	05417517
▶ 10	⅜"	03099500
▶ 15	½"	03099607
▶ 20	¾"	03099704
▶ 25	1"	03099801
▶ 32	1¼"	03099908
▶ 40	1½"	03100004
▶ 50	2"	03100101
▶ 65	2½"	03100208
▶ 80	3"	03100305
▶ 100	4"	03100402

Cross Galv

- Four way cross
- Female BSP threads
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 25	1"	03098909
● 32	1 1/4"	03099005
● 40	1 1/2"	03099102
▶ 50	2"	03099209
● 65	2 1/2"	03099306
● 80	3"	03099403

Elbows 45°

– Female x Female Galv

- Water – 1379kPa working pressure
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 15	1/2"	03640700
▶ 20	3/4"	03640807
▶ 25	1"	03104301
▶ 32	1 1/4"	03692004
● 40	1 1/2"	03104408
▶ 50	2"	03104505
● 65	2 1/2"	09904518
● 80	3"	03104602
● 100	4"	03104709

Elbow 45°

Male x Female Galv

- Water – 1379kPa working pressure
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
● 25	1	09899513
● 32	1 1/4	09899610
● 40	1 1/2	01131004
● 50	2	09899717

Elbow 90°

Female x Female Galv

- Water – 1379kPa working pressure
- UL/FM approved
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 8	1/4"	03100606
▶ 10	3/8"	03100703
■ 15	1/2"	03100800
■ 20	3/4"	03100907
■ 25	1"	03101003
■ 32	1 1/4"	03101100
■ 40	1 1/2"	03102905
■ 50	2"	03103001
▶ 65	2 1/2"	03103108
▶ 80	3"	03103205
▶ 100	4"	03640904

Elbow 90°

Male x Female BSP Galv

- Galvanised malleable steel
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
● 6	1/8"	02972185
▶ 8	1/4"	03101304
▶ 10	3/8"	03101401
■ 15	1/2"	03101508
■ 20	3/4"	03629608
■ 25	1"	03101702
■ 32	1 1/4"	03101809
■ 40	1 1/2"	03101906
■ 50	2"	03102002
▶ 65	2 1/2"	03102109
▶ 80	3"	03102206
▶ 100	4"	03102400

Nipple Hex Galv

- Galvanised malleable
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 6	1/8"	03108006
▶ 8	1/4"	03108103
▶ 10	3/8"	03108200
■ 15	1/2"	03108307
■ 20	3/4"	03108404
■ 25	1"	03108501
■ 32	1 1/4"	03108608
■ 40	1 1/2"	03108705
■ 50	2"	03108802
■ 65	2 1/2"	03108909
■ 80	3"	03109005
▶ 100	4"	03109209

Nipple Reducing Galv

- Male thread
- Galvanised malleable steel
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 10 x 8	3/8 x 1/4	03109607
▶ 15 x 8	1/2 x 1/4	03109704
▶ 15 x 10	1/2 x 3/8	03109801
● 20 x 10	3/4 x 3/8	03109908
■ 20 x 15	3/4 x 1/2	03110007
■ 25 x 15	1 x 1/2	03110104
■ 25 x 20	1 x 3/4	03110201
● 32 x 15	1 1/4 x 1/2	09909717
▶ 32 x 20	1 1/4 x 3/4	03110308
■ 32 x 25	1 1/4 x 1	03110405
■ 40 x 15	1 1/2 x 1/2	02298315
▶ 40 x 20	1 1/2 x 3/4	03110502
■ 40 x 25	1 1/2 x 1	03110609
■ 40 x 32	1 1/2 x 1 1/4	03110706
▶ 50 x 20	2 x 3/4	01049255
▶ 50 x 25	2 x 1	03110803
▶ 50 x 32	2 x 1 1/4	03110900
■ 50 x 40	2 x 1 1/2	03111006
▶ 65 x 40	2 1/2 x 1 1/2	01049352
▶ 65 x 50	2 1/2 x 2	03111103
▶ 80 x 50	3 x 2	03111200
● 80 x 65	3 x 2 1/2	03111307
▶ 100 x 50	4 x 2	00154632
● 100 x 65	4 x 2 1/2	01049454
● 100 x 80	4 x 3	03111404

Plug Galv

- Male thread
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
▶ 10	3/8	00002771
▶ 15	1/2	05799811
■ 20	3/4	03112607
▶ 25	1	05799714
■ 32	1 1/4	03112801
■ 40	1 1/2	03112908
■ 50	2	03113004
▶ 65	2 1/2	03113101
▶ 80	3	03113208
▶ 100	4	03113305

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Socket Reducing Galv

- Female thread
- Galvanised malleable steel
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
8 x 6	1/4 x 1/8	00002635
10 x 8	3/8 x 1/4	03115002
15 x 8	1/2 x 1/4	03115109
15 x 10	1/2 x 3/8	03115206
20 x 8	3/4 x 1/4	01049556
20 x 10	3/4 x 3/8	03115400
20 x 15	3/4 x 1/2	03115303
25 x 10	1 x 3/8	09238611
25 x 15	1 x 1/2	03115507
25 x 20	1 x 3/4	03115604
32 x 15	1 1/4 x 1/2	03115701
32 x 20	1 1/4 x 3/4	03115808
32 x 25	1 1/4 x 1	03115905
40 x 15	1 1/2 x 1/2	03116001
40 x 20	1 1/2 x 3/4	03116108
40 x 25	1 1/2 x 1	03116205
40 x 32	1 1/2 x 1 1/4	03116302
50 x 15	2 x 1/2	03116409
50 x 20	2 x 3/4	03116506
50 x 25	2 x 1	03116603
50 x 32	2 x 1 1/4	03116700
50 x 40	2 x 1 1/2	03116807
65 x 40	2 1/2 x 1 1/2	03116904
65 x 50	2 1/2 x 2	03117000
80 x 25	3 x 1	02298412
80 x 32	3 x 1 1/4	02298519
80 x 40	3 x 1 1/2	03117107
80 x 50	3 x 2	03117204
80 x 65	3 x 2 1/2	03117301
100 x 50	4 x 2	09905313
100 x 65	4 x 2 1/2	09905012
100 x 80	4 x 3	09904712

Socket Galv

- Female thread
- Galvanised malleable steel
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
6	1/8	08096618
8	1/4	03113606
10	3/8	03113703
15	1/2	03113800
20	3/4	03113907
25	1	03114003
32	1 1/4	03114100
40	1 1/2	03114207
50	2	03114304
65	2 1/2	03114401
80	3	03114508
100	4	03676800

Tee Equal Galv

- Equal female outlets
- Three way
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
6	1/8	09238718
8	1/4	03117505
10	3/8	03117602
15	1/2	03117709
20	3/4	03117806
25	1	03117903
32	1 1/4	03118009
40	1 1/2	03118106
50	2	03118203
65	2 1/2	03118407
80	3	03118300
100	4	03626300

Tee Reducing Galv

- Three way
- Suitable for irrigation, fire protection and agriculture



Size mm	Size inch	Part Number
15 x 8	1/2 x 1/4	00002720
15 x 10	1/2 x 3/8	03118805
20 x 10	3/4 x 3/8	03119105
20 x 15	3/4 x 1/2	03119202
25 x 15	1 x 1/2	03119600
25 x 20	1 x 3/4	03119707
32 x 15	1 1/4 x 1/2	05430219
32 x 20	1 1/4 x 3/4	03120107
32 x 25	1 1/4 x 1	03120408
40 x 15	1 1/2 x 1/2	03120602
40 x 20	1 1/2 x 3/4	03120709
40 x 25	1 1/2 x 1	03120806
40 x 32	1 1/2 x 1 1/4	03120903
50 x 15	2 x 1/2	03121106
50 x 20	2 x 3/4	03121203
50 x 25	2 x 1	03121300
50 x 32	2 x 1 1/4	03121407
50 x 40	2 x 1 1/2	03121504
65 x 50	2 1/2 x 2	03664401
80 x 25	3 x 1	03122105
80 x 40	3 x 1 1/2	03122309
80 x 50	3 x 2	03122406

Union 5° Deflection Galv



Size mm	Size inch	Part Number
15	1/2	03125500
20	3/4	03125607
25	1	05273679
32	1 1/4	03125801
40	1 1/2	03125908
50	2	03126004

SLIP-ON FLANGES

Carbon Steel Slip-on Forged & Plate Steel Flanges



Carbon Steel ANSI 150

Carbon Steel Table D

Carbon Steel Table E

NB Size mm	NB Size inch	ANSI 150	TABLE D	TABLE E
		Part Number	Part Number	Part Number
25	1	03609806	03181308	03181308
32	1¼	03609903	03181405	03181405
40	1½	03610002	03181502	03181502
50	2	03610109	03182802	03182802
65	2½	03610206	03181706	03181706
80	3	05571689	03181803	03181803
100	4	03610400	03233308	03233201
125	5	426676	426679	426677
150	6	03610604	426680	03235102

Carbon Steel ANSI 150 are forged flanges

Stainless Steel Slip-on Forged & Plate Steel Flanges



Stainless Steel ANSI 150

Stainless Steel Table D&E

Stainless Steel Table E Flange

NB Size mm	NB Size inch	ANSI 150	TABLE D	TABLE E
		Part Number	Part Number	Part Number
25	1	02953570	06600665	06600665
32	1¼	02520835	426681	426681
40	1½	05576143	06600818	06600818
50	2	05633705	03181609	03181609
65	2½	01224993	06600852	06600852
80	3	01225010	05557528	05557528
100	4	06601685		01300796
125	5			426682
150	6	06601702	426683	02953519

Carbon Steel Table D & E are plate flanges

FITTINGS - PIPE/BARREL NIPPLES - GALVANISED

Galvanised Barrel Nipples & Pipe Pieces

- Available in a wide variety of lengths to suit almost any application
- Sizes shown here are the most commonly requested
- BSPT Threads are to BS21



Size mm	Size inch	Length mm	Nipples Std	Pipe Pieces
8	¼"	80	05551833	
8	¼"	90	03202708	
8	¼"	150		00269484
10	⅜"	50	03202805	
10	⅜"	75	05551323	
10	⅜"	100		05551289
10	⅜"	150		00597193
15	½"	40	05551374	
15	½"	50	05551391	
15	½"	70	05551408	
15	½"	80	05551425	
15	½"	90	05551442	
15	½"	100		03218103
15	½"	150		03218200
15	½"	200		03218307
15	½"	400		09510216
15	½"	600		03219005
20	¾"	40	05551476	
20	¾"	54	05551493	
20	¾"	60	03203008	
20	¾"	70	05551510	
20	¾"	80	05551527	
20	¾"	90	05551544	
20	¾"	100		03219102
20	¾"	200		03219306
20	¾"	300		03219500
20	¾"	600		03220007

Size mm	Size inch	Length mm	Nipples Std	Pipe Pieces
25	1"	50	05551578	
25	1"	60	03203105	
25	1"	80	05551595	
25	1"	100		03220104
25	1"	150		03220201
25	1"	200		03220308
25	1"	500		03220803
32	1¼"	80	03203202	
32	1¼"	100		03221103
32	1¼"	150		03221200
32	1¼"	250		03221404
32	1¼"	300		03221501
40	1½"	60	05551680	
40	1½"	80	03203309	
40	1½"	90	05551697	
40	1½"	100		03222102
40	1½"	150		03222209
50	2"	60	05553091	
50	2"	80	03203406	
50	2"	90	05551748	
50	2"	100		03223101
50	2"	200		03223305
65	2½"	80	05551765	
80	3"	80	03203600	
80	3"	100		05551782
100	4"	80	03644900	
150	6"	150		09933013

For further details of other sizes and lengths please contact us on 0800 660 660

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

FITTINGS – SCREWED PIPE – BLACK STEEL

- Reducing sizes
- Suitable for industrial, pumping, compressed air, water and steam

Bush Reducing Hex Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SB0806	08 X 06	1/4 X 1/8	20.0	03168703
SB1006	10 X 06	3/8 X 1/8	21.0	03168800
SB1008	10 X 08	3/8 X 1/4	21.0	03168907
SB1508	15 X 08	1/2 X 1/4	27.0	429578
SB1510	15 X 10	1/2 X 3/8	27.0	03169100
SB2008	20 X 08	3/4 X 1/4	28.0	03169207
SB2010	20 X 10	3/4 X 3/8	28.0	03169304
SB2015	20 X 15	3/4 X 1/2	28.0	03619401
SB2510	25 X 10	1 X 3/8	30.0	03169508
SB2515	25 X 15	1 X 1/2	30.0	03169702
SB2520	25 X 20	1 X 3/4	30.0	03169809
SB3225	32 X 25	1 1/4 X 1	36.0	03170102
SB4015	40 X 15	1 1/2 X 1/2	38.0	429586
SB4020	40 X 20	1 1/2 X 3/4	38.0	03170306
SB4025	40 X 25	1 1/2 X 1	38.0	03170403
SB4032	40 X 32	1 1/2 X 1 1/4	38.0	03170500
SB5020	50 X 20	2 X 3/4	41.0	429589
SB5025	50 X 25	2 X 1	41.0	03170801
SB5040	50 X 40	2 X 1 1/2	41.0	03171004

Cap Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SC10	10	3/8	27.0	429595
SC15	15	1/2	34.9	429596
SC20	20	3/4	38.1	429597
SC25	25	1	44.5	429598
SC40	40	1 1/2	54.0	429599
SC50	50	2	60.3	429600

Elbow F/F Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SE08	08	1/4	32.0	429601
SE10	10	3/8	36.0	429602
SE15	15	1/2	46.0	429603
SE20	20	3/4	53.0	429604
SE25	25	1	66.0	429605
SE32	32	1 1/4	76.0	429606
SE40	40	1 1/2	86.0	429607
SE50	50	2	98.0	429608

Elbow M/F Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SEMF08	08	1/4	40.0	03733109
SEMF15	15	1/2	58.0	03173400
SEMF20	20	3/4	67.0	03173507
SEMF25	25	1	70.0	03173604
SEMF32	32	1 1/4	90.0	03173701

Nipple Barrel Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SPN08	08	1/4	40.0	03163902
SPN10	10	1/4	40.0	03164008
SPN15	15	1/2	51.0	03164105
SPN20	20	3/4	54.0	03164202
SPN25	25	1	60.0	03164309
SPN32	32	1 1/4	70.0	03164406
SPN40	40	1 1/2	70.0	03164503
SPN50	50	2	80.0	03164600

Nipple Hex Equal Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SN08	08	1/4	33.0	429609
SN10	10	1/4	34.0	03186905
SN15	15	1/2	46.0	03187001
SN20	20	3/4	47.0	03187108
SN25	25	1	52.0	03187205
SN32	32	1 1/4	61.0	429614
SN40	40	1 1/2	61.0	03187409
SN50	50	2	68.0	03187506

Nipple Hex Reducing Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SN1006	10 X 06	3/8 X 1/8	31.0	03188000
SN1008	10 X 08	3/8 X 1/4	34.0	429619
SN1510	15 X 10	1/2 X 3/8	40.0	429620
SN2010	20 X 10	3/4 X 3/8	42.0	429621
SN2015	20 X 15	3/4 X 1/2	47.0	429622
SN2515	25 X 15	1 X 1/2	50.0	429623
SN2520	25 X 20	1 X 3/4	50.0	429624
SN3225	32 X 25	1 1/4 X 1	57.0	03188903
SN4025	40 X 25	1 1/2 X 1	59.0	429625
SN5025	50 X 25	2 X 1	62.0	429626
SN5040	50 X 40	2 X 1 1/2	66.0	429627

Plug Hex Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SP08	8	1/4	19.8	03191000
SP10	10	3/8	21.4	429631
SP15	15	1/2	27.0	03191204
SP20	20	3/4	28.6	03191301
SP25	25	1	30.9	03191408
SP32	32	1 1/4	36.5	03191505
SP40	40	1 1/2	38.1	03191602
SP50	50	2	41.3	03191709

Socket (Heavy) Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SS06	6	1/8	19.3	03192902
SS08	8	1/4	27.0	03193008
SS10	10	3/8	28.0	03193105
SS15	15	1/2	37.0	03193202
SS20	20	3/4	39.0	03193309
SS25	25	1	46.0	03193406
SS32	32	1 1/4	51.0	429643
SS40	40	1 1/2	51.0	03193600
SS50	50	2	60.0	03193707

Socket Reducing Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
SS1508	15 X 8	1/2 X 1/4	36.0	03194609
SS1510	15 X 10	1/2 X 3/8	36.0	429648
SS2010	20 X 10	3/4 X 3/8	39.0	429649
SS2015	20 X 15	3/4 X 1/4	39.0	03195006
SS2510	25 X 10	1 X 3/4	47.0	429651
SS2515	25 X 15	1 X 1/2	47.0	03195307
SS2520	25 X 20	1 X 3/4	47.0	03195404
SS3225	32 X 25	1.25 X 1	57.0	03195608
SS4020	40 X 20	1.5 X 3/4	60.0	03195705
SS4025	40 X 25	1.5 X 1	60.0	429654
SS4032	40 X 32	1.5 X 1 1/4	60.0	03195909
SS5025	50 X 25	2 X 1	63.0	429655
SS5040	50 X 40	2 X 1 1/2	63.0	429656

Tee Equal Black Steel



Mfr No.	Size Dia (NB)	Imperial Size	Length (mm)	Part Number
ST08	8	1/4	46.0	429657
ST10	10	3/8	48.0	03197606
ST15	15	1/2	63.0	03197703
ST20	20	3/4	71.0	03197800
ST25	25	1	88.0	03197907
ST32	32	1 1/4	106.0	03198003
ST40	40	1 1/2	108.0	03198100
ST50	50	2	131.0	03198207



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FITTINGS – SCREWED PIPE – STAINLESS STEEL GRADE 316

Bush Reducing BSP – SS316



Thread Size inch	Part Number
▶ 3/8 x 1/8	02743815
▶ 3/8 x 1/4	03255205
▶ 1/2 x 1/8	01230604
▶ 1/2 x 1/4	03255302
▶ 1/2 x 3/8	03255409
▶ 3/4 x 1/4	00895309
▶ 3/4 x 1/2	03255700
▶ 1 x 1/2	03256000
▶ 1 x 3/4	03256107
▶ 1 1/4 x 1	03256408
▶ 1 1/2 x 1	00755601
▶ 1 1/2 x 1 1/4	03256806
▶ 2 x 1 1/2	03257300

Cap BSP – SS316



Thread Size inch	Part Number
▶ 1/4	00667052
▶ 3/8	00666955
▶ 1/2	01230507
▶ 3/4	03264801
▶ 1	03264908
▶ 1 1/4	03265004
▶ 1 1/2	03265101
▶ 2	00665355

Elbow 90° Female x Female BSP – SS316



Thread Size inch	Part Number
▶ 1/8	03265509
▶ 1/4	03265606
▶ 3/8	03265703
▶ 1/2	03265800
▶ 3/4	03265907
▶ 1	03266003
▶ 1 1/4	03266100
▶ 1 1/2	03266207
▶ 2	03266304

Elbow 90° Male x Female BSP – SS316



Thread Size inch	Part Number
▶ 1/4	02745114
▶ 3/8	02745211
▶ 1/2	02745318
▶ 3/4	02745415
▶ 1	05421710
▶ 1 1/4	05560588
▶ 1 1/2	05560605
▶ 2	05560622

Nipple Hex Reducing BSP – SS316



Thread Size inch	Part Number
▶ 1/4 x 1/8	03269301
▶ 3/8 x 1/4	03269505
▶ 1/2 x 3/8	03269602
▶ 1/2 x 1/2	03269709
▶ 3/4 x 3/8	02156101
▶ 3/4 x 1/2	03269903
▶ 1 x 1/2	03270002
▶ 1 x 3/4	03270109

Nipple Hex BSP – SS316



Thread Size inch	Part Number
▶ 1/8	03257407
▶ 1/4	03257504
▶ 3/8	03257601
▶ 1/2	03257708
▶ 3/4	03257805
▶ 1	03257902
▶ 1 1/4	03258008
▶ 1 1/2	03258105
▶ 2	03258202

Plug Hex BSP – SS316



Thread Size inch	Part Number
▶ 1/8	03268409
▶ 1/4	03268506
▶ 3/8	03268603
▶ 1/2	03268700
▶ 3/4	03268807
▶ 1	03268904
▶ 1 1/4	03269000
▶ 1 1/2	03269107
▶ 2	03269204

Socket Reducing BSP – SS316



Thread Size inch	Part Number
▶ 3/8 x 1/4	02749615
▶ 1/2 x 3/8	02749819
▶ 3/4 x 1/2	02751519
▶ 1 x 1/2	05901418
▶ 1 x 3/4	05901719
▶ 1 1/4 x 1	05560639
▶ 1 1/2 x 1	05560656
▶ 1 1/2 x 1 1/4	05560673
▶ 2 x 1 1/2	05560690

Socket BSP – SS316



Thread Size inch	Part Number
▶ 1/8	03678604
▶ 1/4	03656008
▶ 3/8	03656105
▶ 1/2	03656202
▶ 3/4	03656309
▶ 1	03656406
▶ 1 1/4	03656503
▶ 1 1/2	03656600
▶ 2	03656707

Tee Equal BSP – SS316



Thread Size inch	Part Number
▶ 1/8	03266401
▶ 1/4	03266508
▶ 3/8	03266605
▶ 1/2	03266702
▶ 3/4	03266809
▶ 1	03266906
▶ 1 1/4	03267002
▶ 1 1/2	03267109
▶ 2	03267206

Union BSP – SS316



Thread Size inch	Part Number
▶ ¼	00895406
▶ ⅜	00895503
▶ ½	00900906
▶ ¾	00897307
▶ 1	00897200
▶ 1¼	00309893
▶ 1½	02241210
▶ 2	02241317

HOSE COUPLINGS – STD BSP CAM & GROOVE FITTINGS

Type A/NA1 – Male Adaptor x Female BSP

Application: Type A fittings are commonly threaded onto a pipe, threaded hose end or manifold system, that is connected and disconnected on a regular basis



Size mm	General Purpose Aluminium	Petrol Grade Aluminium BSPT	Stainless Steel	Polypropylene
13		▶ 00866957		
20	■ 03675102	▶ 00866974	■ 00057715	■ 02415129
25	■ 03522103	▶ 00866991	■ 00174896	■ 03678905
32	■ 03522307	▶ 00867008	▶ 00000731	■ 00291992
38	■ 03522404	▶ 00867025	■ 00014824	■ 03679001
50	■ 03522501	▶ 00867042	■ 04990760	■ 03679108
63	■ 03522608	▶ 00867059	▶ 00057698	▶ 00008032
75	■ 03522705	▶ 00867076	▶ 00000714	▶ 00111464
100	■ 03522802	▶ 00867093	▶ 00110619	▶ 05248162
150		▶ 00867110		00008049

Type B/NA3 – Female Coupler x Male BSP

Application: Type B fittings are normally threaded onto a pipe or manifold which joins to a rubber hose assembly that is connected and disconnected regularly



Size mm	General Purpose Aluminium	Stainless Steel	Polypropylene
20	■ 03525003	■ 05248213	▶ 00389810
25	■ 03525100	■ 00110449	■ 00000782
32	■ 03525207	▶ 05248247	▶ 00292213
38	■ 03525304	■ 00203405	■ 03679807
50	■ 03525401	■ 00057545	■ 03679904
63	■ 03525508	▶ 00203558	▶ 00008049
75	■ 03525605	▶ 05091458	▶ 00057681
100	■ 03525702	▶ 00110636	▶ 05248281

Type C/NA9 – Female Coupler x Hose End

Application: Type C fittings can be attached to rubber hose with the use of interlocking ferrules, crimp sleeves or bands



Size mm	General Purpose Aluminium	Petrol Grade Aluminium	Stainless Steel	Polypropylene
15		▶ 05564379		
20	■ 03526400	▶ 00999097	■ 05248349	■ 00632502
25	■ 03526507	▶ 00999114	■ 04990665	■ 00111663
32	■ 03526604	▶ 00999131	▶ 00000748	■ 00292298
38	■ 03526701	▶ 00999148	■ 00014858	■ 03675500
50	■ 03526808	▶ 00999165	■ 00057596	■ 03675607
63	■ 03526905	▶ 00999182	▶ 00203881	▶ 00008066
75	■ 03527001	▶ 00999199	▶ 00057562	▶ 00111963
100	■ 03527108	▶ 00999216	▶ 00300475	▶ 05248315
150	▶ 03527205	▶ 00999233		
200		▶ 05565807		

Type D/NA 20 – Female Coupler x Female BSP

Application: Type D fittings are commonly threaded onto a pipe, threaded hose end or manifold system, which is connected and disconnected on a regular basis



Size mm	General Purpose Aluminium	Stainless Steel	Polypropylene
13			▶ 05248366
20	■ 03527700	■ 00648567	▶ 00057664
25	■ 03527807	■ 00203796	■ 00112366
32	■ 03527904	▶ 00216410	▶ 00292060
38	■ 03528000	■ 00057613	■ 03680207
50	■ 03528107	■ 00291533	■ 03680100
63	■ 03528204	▶ 00110670	▶ 05566827
75	■ 03528301	▶ 00110653	▶ 00112954
100	■ 03528408	▶ 00057647	▶ 05248383

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Type DC/NA2 – Female Dust Cap

Application: Insta-Lock™ Dust Caps are used to seal the pipe system and hose assemblies during non-use or transfer of the assembly. Mating parts are the Part A, Part E and Part F



Size mm	General Purpose Aluminium	Stainless Steel	Polypropylene
20	03726705	05248740	00604299
25	03619605	00203660	00107162
32	03619702	05248757	00292162
38	03619809	00110687	03680906
50	03619906	00203711	03681002
63	03620005	01435708	
75	03620102	00000765	00107355
100	03620209	03263191	05248723

Type DP/NA8 – Male Dust Plug

Application: Dust plugs are used to seal the pipe system and hose assemblies during non-use or transfer of assembly. Mating parts are the Part C, Part B and Part D



Size mm	General Purpose Aluminium	Petrol Grade Aluminium	Stainless Steel	Polypropylene
20	03680401		05248672	05248655
25	03532203	07210523	00203303	00105564
32	03532300	07210540	03263072	00292264
38	03532407	07210557	03263089	03680702
50	03532504	07210574	03263123	03680809
63	03675801	07210591	03263140	
75	03532708	07210608	03263157	00107054
100	03532805	07210625	03263174	05248689

Type E/NA22 – Male Adaptor x Hose End

Application: Type E fittings can be attached to rubber hose with the use of interlocking ferrules, crimp sleeves and bands



Size mm	General Purpose Aluminium	Stainless Steel	Polypropylene
20	03529504	02991565	00389827
25	03529601	00080563	00014909
32	03529708	00808316	00292111
38	03529805	00014841	03679302
50	03640603	00057579	03725803
63	03530001	01183054	05564090
75	03530108	00203932	03679409
100	03530205	00061013	05248468
150	03530409		

Type F/NA10 – Male Adaptor x Male BSP

Application: Type F fittings are normally threaded onto pipes, or manifold connections and mated with Part C, Part B or Part D. They can be used in applications that require frequent connections



Size mm	General Purpose Aluminium	Petrol Grade Aluminium BSPT	Stainless Steel	Polypropylene
13		00868827		05248485
20	03530603	00868844	05248536	00203490
25	03530700	00868861	00057732	00105166
32	03530807	00868878	00216427	00291941
38	03620500	00868895	00014875	03679506
50	03620607	00868912	00000697	03679603
63	03530904	00868929	00232186	05564073
75	03531000	00868946	00057630	03725900
100	03531107	00868963	00203609	05248502

TECHNICAL TIP

MAXIMUM PRESSURE RATINGS - CAM & GROOVE COUPLINGS

The following Camlock pressure ratings are based upon liquid media at a temperature of 21°C with a standard Buna-N seal installed:

FOR ALUMINIUM, BRASS, BRONZE & STAINLESS STEEL CAMLOCKS

SIZE mm	15	20-50	65	75	100	125-150
PRESSURE kPa	1035	1725	1035	865	690	520
PRESSURE psi	150	250	150	125	100	75

FOR POLYPROPYLENE & NYGLASS CAMLOCKS

SIZE mm	15	32-20	75	100
PRESSURE kPa	865	690	520	345
PRESSURE psi	125	100	75	50

For use at elevated or other unusual operating conditions, contact your nearest Technical Representative at hoseandflow@nzsaftyblackwoods.co.nz

NZ Safety Blackwoods

HOSE COUPLINGS – CAM & GROOVE SELF LOCKING BSPT & NPT CAMLOCKS

Type B/NA3 – Self Locking Female Coupler x Male BSP & NPT

Application: Type B fittings are normally threaded onto a pipe or manifold which joins to a rubber hose assembly that is connected and disconnected regularly



Size mm	EZ BOSS LOCK – BSP		INSTA-LOCK – NPT	
	Stainless Steel	Petrol Grade Aluminium	Stainless Steel	Petrol Grade Aluminium
13		428576	428580	
20	00867535	428577	428581	
25	00867552	07209673	07209792	
32		07209690	428582	
38	00867586	428578	428583	
50	00867603	07209724	07209843	
63		428579	07209860	
75	00867637	07209758	07209877	
100	00867654	07209775	07209894	
125				

Type C/NA9 – INSTA-LOCK™ Female Coupler x Hose End

Application: Type C fittings can be attached to rubber hose with the use of interlocking ferrules, crimp sleeves or bands



Size mm	Stainless Steel	Petrol Grade Aluminium
25	06661882	06661695
32	07209945	07209911
38	06661899	06661712
50	06661916	06661746
63	07209962	07209928
75	06661933	06661780
100	06661950	06661865

Type D/NA 20 – INSTA-LOCK™ Female Coupler x Female Thread

Application: Type D fittings are commonly threaded onto a pipe, threaded hose end or manifold system, which is connected and disconnected on a regular basis



Size mm	BSPT		NPT	
	Petrol Grade Aluminium	Stainless Steel	Petrol Grade Aluminium	Stainless Steel
13	00868079	00868266	428584	428588
20	00568096	00868283	428585	428589
25	00868113	00868300	06661967	06662069
32	00868130	00868317	428586	07210013
38	00868147	00868334	06662001	06662086
50	00868164	00868351	428587	06662103
63	00868181	00868368	07209996	07210030
75	00868198	00868385	06662035	06662120
100	00868215	00868402	066620520	06662137
125	00868232	00868419		
150	00868249	00868436		

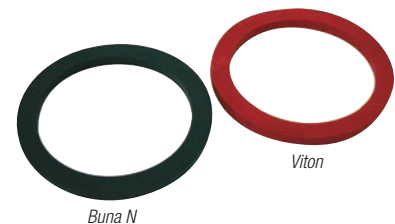
Type DC/NA2 – INSTA-LOCK™ Female Dust Cap

Application: Insta-Lock™ Dust Caps are used to seal the pipe system and hose assemblies during non-use or transfer of the assembly. Mating parts are the Part A, Part E and Part F



Size mm	Petrol Grade Aluminium	Stainless Steel
25	07210761	07210880
32	07210778	07210897
38	07210795	07210914
50	07210812	07210931
63	07210829	07210948
75	07210846	07210965
100	07210863	07210982

Camlock Adaptor Seals



Size mm	Male Buna-N Nitrile Rubber Camlock Gasket (Black)	Viton Rubber Camlock Gasket (Red)
20	03544000	00102657
25	03544107	00102964
32	03544204	00103163
40	03544301	00103367
50	03544408	00103566
65	03544505	00104155
75	03544602	00104565
100	03544709	05249216
150	03544806	

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

HOSE COUPLINGS - THREADED

Hose Couplings – Steam

Ends: Screwed BSP

- Heavy duty robust zinc plated steel complete with forged brass safety clamps
- Suitable for 25mm Steam Hose with a 7.5mm wall thickness they can be safely used to a maximum saturated steam temperature of 210°C and up to 18 bar working pressure
- Designed and manufactured in Germany to meet the requirements of DIN EN 14 423



Mfr No.	Description	Part Number
DAK 10-25 ST	Male thread c/w safety clamp 25 x 7.5	05973603
DIK 10-25 ST	Female thread c/w safety clamp 25 x 7.5	05973569

Round Hole Strainer

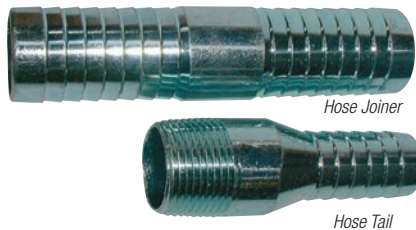
- Zinc plated strainer for the end of water suction hoses
- Standard with female BSP thread



Size mm	Part Number
38	05597665
50	05597682
76	05597699
102	05597716
150	05597733

Hose Tail & Joiner

- Zinc plated mild steel hose fittings which are available in threaded male BSP and also in a hose joiner/mender option



Size mm	Hose Joiner		MBSP Threaded Hose Tail	
	Mfr No	Part Number	Mfr No	Part Number
13			WST013	05623845
19	WST019	05571230	WST019	05623862
25	WST025	05571247	WST025	05623879
32	WST032	05571264	WST032	05623896
38	WST038	05571281	WST038	05623913
51	WST051	05571298	WST051	05623930
64	WST064	05571315	WST064	05623947
76	WST076	05571332	WST076	05623964
102	WST102	05571349	WST102	05623981
152			WST152	05623998
203			WST203	05624015

Threaded Hose Couplings with Safety Clamps

- Male hose couplings with safety clamps according to DIN 2817 suitable for 25 bar working pressure
- Hose coupling made from steel with BSPT Male thread and clamps are made from drop forged aluminium
- Suitable for the petroleum industry



Size DN mm	Mfr No.	Part Number
25 x 6	320.256100.210	05621346
32 x 6	320.326125.110	05621363
38 x 6.5	320.387150.110	05621380
50 x 8	320.508200.110	05621397

Threaded Male BSP x Hose Tail – Aluminium

- Threaded male BSP hose tails are available in aluminium



Size DN mm	Mfr No.	Part Number
19	ALTTS019	05566011
25	ALTTS025	05566045
32	ALTTS032	05566079
38	ALTTS038	05566096
51	ALTTS051	05566147
64	ALTTS064	05566232
76	ALTTS076	05566283
102	ALTTS102	05566351

Threaded – Male BSP x Hose Tail – Stainless Steel

- Male BSP threaded hose tails made from Stainless Steel Grade 316



Mfr No.	Size mm	Size inch	Part Number
TSMHT008	8	1/4	03720701
TSMHT010	10	3/8	03720905
TSMHT015	15	1/2	03721001
TSMHT020	20	3/4	03721108
TSMHT025	25	1	03721205
TSMHT032	32	1 1/4	05633603
TSMHT040	40	1 1/2	05633620
TSMHT050	50	2	05633637
TSMHT065	65	2 1/2	05566249
TSMHT080	80	3	05566317
TSMHT100	100	4	05566368

RJT & TRI CLOVER FITTINGS

RJT Slot Nut/RJT Hex Nut

- Stainless Steel Grade 316



Size inch	RJT Hex Nut	RJT Slot Nut
1	02097689	
2	02097723	05554961
3	02097757	05554995
4	02097774	05555102
1 - 1/2	02097706	
2 - 1/2	02097740	

NZ RJT Crimp Stem

- Stainless Steel Grade 316
- Ideal for food, dairy and pharmaceutical applications where increased flow capacity is important



Mfr No.	Size inch	Part Number
HA0225-NZ	1 1/2	00871003
HA0226-NZ	2	00871020
HA0227-NZ	2 1/2	00871037
HA0228-NZ	3	00871054
HA0294-NZ	4	00871071

Holedall Clamp Type/Tri-Clover External Crimp Stem

- Stainless Steel Grade 316
- Ideal for food, dairy and pharmaceutical applications where increased flow capacity is important



Mfr No.	Size inch	Part Number
HA0640	1	02100256
HA0641	1 1/2	02100273
HA0642	2	02100290
HA0643	2 1/2	02100307
HA0644	3	02100324
HA0645	4	02100341

Sanitary Breakaway Coupling

- Minimises spillage and damage associated with pull away and drive away incidents
- Designed to be installed between a fixed point and a hose
- Coupling breaks away with an excessive load
- Bevel seat connection standard, optional sanitary ends available
- EPDM standard clamp gasket, optional material available
- Working pressure 350psi @ 70°F
- 13kN break load bolts standard, other break loads available
- Stainless Steel Grade 316 polished to standard <32R, 3A finish
- EPDM standard clamp gasket



Description	KN	Part Number
64mm Sanitary breakaway coupling u/v	13	05645877
76mm Sanitary breakaway coupling u/v	13	05645945
102mm Sanitary breakaway coupling u/v	13	05645996
Breakaway bolts/seal kit	13	03049451
Breakaway bolts/seal kit	9	03049468

HOSE NOZZLES & WATER GUNS

Cold Water General Purpose Gun

An extremely economical cold water washdown gun with ergonomic plastic handle, insulated metal body and an adjustable spray pattern from strong jet to wide angle spray. The WS44 is commonly used in industrial plants and is ideal for apron wash, boot wash or general clean up operations where cold water is used. Rated for a maximum 7 bar working pressure which will deliver 12L/min.



Mfr No.	Size	Part Number
S44UG	3/4" BSP female thread	05633654

RELATED PRODUCT

Milwaukee Demolition Work Gloves

- Breathable lining - moisture wicking lining provides all day comfort
- Molded knuckle protection - thermoplastic rubber pad provides ultimate protection
- Built-in terry cloth sweat swipe
- Hook and loop closure for a secure fit



SEE HAND PROTECTION: CHAPTER 10

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

Hot Water/Cold Water Heavy Duty Guns

TEC6438, TEC6430, TEC6310, TEC6445

- Heavy duty, low pressure ergonomic washdown gun with a balanced, comfortable to hold body shape
- Unbreakable stainless steel spindle for trouble free, long life (only on TEC6438, TEC6430 and TEC6310)
- Adjustable spray pattern
- Suitable for hot or cold water
- No exposed metal parts and no heat transfer to casing or trigger, so no burn risk when using hot water
- Insulating air gap between inner body and outer casing
- Heavy duty swivel inlet reduces strain on wrist and elbow making gun easier to use
- Trigger guard protects fingers from injury
- Nickel plated brass inner body with tough blue coloured nylon outer casing and trigger (except TEC6310)
- Quick and easy to service if required

TEC6430

- Red outer casing and trigger
- Easy to indicate that gun uses hot water; stands out from other guns

TEC6310

- Stainless Steel Grade 316 inner body and swivel inlet
- Long life because of stainless steel construction
- Distinctive grey trigger
- Ideal where chemicals are used in the washdown water

TEC6445

- 67% Higher flow rate where greater water volume and impact force is needed
- Distinctive red trigger

TEC6453

- 67% Higher flow rate where greater water volume and impact force is needed
- 1/2" BSP female outlet makes it possible to fit stainless steel lances to clean hard to reach areas
- Accepts lances TECE450 (450mm long), TECE700 (700mm long) or any suitable lance
- Nickel plated brass inner body with tough blue coloured nylon outer casing and trigger
- Distinctive red trigger

TECE450

- Strong stainless steel lance, 450mm long, 1/4" diameter with 1/2" bush, to suit TEC6453 ergonomic gun
- Durable, bonded rubber insulating grip

TECE700

- Strong stainless steel lance, 700mm long, 1/4" diameter with 1/2" bush, to suit TEC6453 ergonomic gun
- Durable, bonded rubber insulating grip

Mfr No.	Description	Part Number
TEC6438	60L/min @ 24 bar, max. 90°C, blue colour and trigger	06141155
TEC6430	60L/min @ 24 bar, max. 90°C, red colour and trigger	07866621
TEC6310	316 SS, 60L/min @ 24 bar, max. 90°C, blue colour, grey trigger	07866570
TEC6445	High flow 100L/min @ 24 bar, max. 90°C, blue colour, red trigger	06141172
TEC6453	1/2" BSP Outlet, 60 – 100L/min @ 24 bar, max. 90°C, blue colour, red trigger	06141189
TECE450	450mm SS lance c/w insulating grip, nozzle and bush to fit gun	06141240
TECE700	750mm SS lance c/w insulating grip, nozzle and bush to fit gun	06141274

Tecpro



Hot Water Ergo Stainless Washdown Gun

- The Gunna washdown nozzle offers user protection with standard non-slip white NBR rubber handle and top covers whilst reducing operator fatigue if fitted with the swivel option hose connectors
- Gunna nozzles enable users to reduce water consumption by automatically shutting off when released
- The maximum operating temperature is 80°C and the maximum operating pressure should not exceed 6 bar
- Variable spray or jet pattern controlled by trigger pressure
- Easy volume adjustment is achieved by turning the screw at the back of the gun
- A full range of spare parts are also available
- Not suitable for steam applications



Mfr No.	Description	Part Number
GUNNA-SS	All stainless steel gun	05633263
ZG1029	Stainless steel swivel hosedails 13mm x 1/2" MBSP	05567252
ZG10210	Stainless steel swivel hosedails 19mm x 1/2" MBSP	05567235

Cold Water – Alloy Nozzle

- Aluminium nozzle with easy turn jet to spray
- Fitted with a safety ring for abrasion resistance these nozzles are light and easy to use while providing good service life
- 1" Female BSP threaded inlet



Mfr No.	Size inch	Part Number
NZ 25	1	05567575

Cold Water – Powerjet & Power Spray Nozzles

Made from tough polycarbonate polymer and are ideal for industrial and agricultural applications where cold water in either a strong jet or fine fog pattern is required.



Mfr Code	Description	L/min @ 6 Bar Working Pressure	Part Number
90440	Small powerjet nozzle	100	05558718
90394	Large powerjet nozzle	300	05558752
90363	Hose reel nozzle	50	05558735
90393	Power spray nozzle	42	05558769

Power Jet Hosetail Adaptors



Mfr Code	Description	Size	Part Number
90249	Large powerjet hosetail	19mm – 1 1/2" BSP	05571485
90260	Large powerjet hosetail	25mm – 1 1/2" BSP	05571502
90281	Large powerjet hosetail (long)	32mm – 1 1/2" BSP	05571519
90289	Large powerjet hosetail (long)	38mm – 1 1/2" BSP	05571536

HOSE REELS

S Series – Heavy Duty Hose Reels

- Impact resistant UV stabilised covers for maximum durability
- Adjustable spring tension & high flow swivel and fluid path
- Detachable steel mounting bracket enables 180° hose reel rotation
- Automatic and positive latching mechanism
- Can be mounted on wall, floor or ceiling
- All models include additional 0.9m lead in hose
- Ideal for back of UTE or mobile use



Alemlube

**2
YEAR
WARRANTY**

Mfr No.	Description	Application	c/w Hose	Hose ID mm	Hose Length m	Max. Working Pressure psi	Part Number
SA300N	Spring rewind reel & hose	Air	1	10	18	300	03046663
SA400N	Spring rewind reel & hose	Air	1	12	15	300	04889156
SW500N	Spring rewind reel & hose	Water	1	12	29	180	05621312
SO600	Spring rewind reel & hose	Oxy/Acetyl	2	15	15	300	03046680
SOI700	Spring rewind reel & hose	Oil Fuel	1	12	10	2000	03168910
SG800	Spring rewind reel & hose	Grease	1	8	10	5000	03168927
SA630	Spring rewind reel & hose	Argon	1	6	20	300	03622827
SO640	Spring rewind reel & hose	Oxy/Acetyl	2	6	8	300	03622844
SOP620	Spring rewind reel & hose	Oxy/Propn	2	6	15	300	419369
SP610	Spring rewind reel & hose	Propane	1	6	20	300	03622878
WP1290	Spring rewind reel & hose	Water	1	12	30	140	07190106

HR30000/HR40000 EL Series – Standard Hose Reels

- High quality, impact resistant, UV stabilised polypropylene covers
- Convenient carry handle assists during reel mounting and storage
- Lightweight, compact and durable construction
- Supplied standard with a 0.9m long lead in hose
- Constant speed control device ensures safe and accurate rewinding

Alemlube

**1
YEAR
WARRANTY**



03622759

03622776



Mfr No.	Description	Application	c/w Hose	c/w Gun	Hose ID mm	Hose Length m	Working Pressure psi	Part Number
HR30070	HRHR30000 El Series hose & reel	Hot wash	1	—	10	20	300	03622776
HR30070C	HR30000 El Series hose & reel & gun	Hot wash	1	1	10	20	300	03622759
HR30080	HRHR30000 El Series hose & reel	Hot wash	1	—	12	15	300	03622708
HR30080C	HRHR30000 El Series hose & reel & gun	Hot wash	1	1	12	15	300	03622793
HR40010	HR40000 El Series hose & reel	Air	1	—	10	15	300	05642494
HR40020	HR40000 El Series hose & reel	Air/water	1	—	12	15	300	06517610
HR40030	HR40000 El Series hose & reel	Air/water	1	—	10	20	300	417514
HR40040	HR40000 El Series hose & reel	Air/water	1	—	12	15	300	417515
HR40050	HR40000 El Series hose & reel	Water	1	—	12	18	300	417516

SAFETY TIP

CONNECT WITH US

NZ Safety Blackwoods knows the industry and environment in which you operate – We have it covered when it comes to safety, no matter what the application. We will help you make the best purchasing and process decisions and provide support every step of the way to help you keep your people safe.

We are available to provide you the best advice to select the correct personal protective equipment and workwear for your business.

Our team is available to help explain terminology and regulations, looking at facilities or job sites, and helping establish exactly what equipment is required, why it is needed, how to safely use and wear the equipment, and implement any changes.

Working with us is simple & straight forward

- We will answer all your questions
- We will figure out what you need
- We will show you how to use it
- We will set-up an easy way to order your equipment
- We will help you keep it serviced; and compliant

Call us on 0800 660 660 or visit www.nzsaferblackwoods.co.nz

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

HR90000 EL Series – Standard Duty Spring Rewind Reels



- Reinforced steel frame provides maximum strength & stability
- 1.5mm thick robust drum assembly with stiffening ribs & flange edges
- Improves operator safety, and workshop productivity
- Can be mounted on the floor, wall or ceiling
- Dual pedestal reel minimises damage caused by hose pull



Mfr No.	Description	Application	c/w Hose	Hose ID mm	Hose Length m	Working Pressure psi	Part Number
HR90005	EL Series spring rewind	Air/water	1	25	30	300	03191401
HR90010	EL Series spring rewind	Air/water	1	25	15	300	03191418
HR90015	EL Series spring rewind	Air/water	1	25	8	300	03191435
HR90020	EL Series spring rewind	Air/water	1	19	40	300	03191452
HR90025	EL Series spring rewind	Air/water	1	19	20	300	03191469
HR90040	EL Series spring rewind	Air/water	1	12	30	300	03191520
HR90045	EL Series spring rewind	Air/water	1	12	25	300	03191537
HR90050	EL Series spring rewind	Fuel/oil	1	25	15	1000	03191554
HR90055	EL Series spring rewind	Fuel/oil	1	19	20	1250	03191571
* HR90005BSS	* S/steel hose reel (bare)	* Air/water/AdBlue	—	* 25	* 30	* 300	03616435
* HR90045BSS	* S/steel hose reel (bare)	* Air/water/AdBlue	—	* 12	* 25	* 300	03616469

* Bare reels only – hose not included

Retracta® R3 – Premium+



- Retracta® P+ range has all the features of the premium range with the inclusion of RACR™
- RACR™ is the Retracta® Adjustable Control Return providing adjustable rewind control, superior safety and product durability
- Integrated handle sleeker profile but retains functionality
- High wear resistant mouth ProGlide™ reduces friction between hose and reel mouth lessening wear and reducing fatigue
- Increased internal capacity reduces hose bunching and allows for longer hose lengths
- Upgraded Main Spring TRC® higher capacity allowing more turns, increased service life
- Wider mounting bracket sturdier, more stable support for reel, simple mounting design
- Overrun protection on spring prevents spring damage on drum overrun
- Safe tensioning mechanism uni-directional ratchet to stop main spring release while tensioning, no special tools required
- Fully serviceable 10 year warranty, all parts available, no special tools required, 10 year guarantee on parts



Mfr No.	Fluid	Case colour	Application	Hose ID mm/inch	Hose Length m	Working Pressure (psi)	Inlet (F)/Outlet (M)	Temp °C	Part Number
HPC320R-01	High pressure water	Red	Agriculture, horse/animal facilities, industrial kitchen, abattoirs, general engineering	10mm / 3/8"	20	3000	3/8" BSP Inlet, 1/4" BSP Outlet	90	04040109
OAC215B-04	Oxy/Acetylene	Blue	Agriculture, general engineering, fabrication	5mm/ 3/16"	15	175	Gas thread	80	04040194
ARC420B-01	Compressed air	Blue	Mechanical workshops, agriculture, general engineering, fabrication	12mm/ 1/2"	20	275	3/8" BSP / 3/8" BSP	60	04039684
ARC420D-01	Compressed air	Dark grey	Mechanical workshops, agriculture, general engineering, fabrication	12mm/ 1/2"	20	275	3/8" BSP	60	04039701
ARC420R-01	Compressed air	Red	Mechanical workshops, agriculture, general engineering, fabrication	12mm/ 1/2"	20	275	3/8" BSP	60	04039718
OMPC415D-01	Oil	Dark grey	Mechanical workshops, agriculture	12mm/ 1/2"	15	1000	1/2" BSP / 1/2" BSP	90	04040381
GRC215D-01	Grease	Dark grey	Mechanical workshops, agriculture	6mm/ 1/4"	15	5000	1/4" BSP	100	04040041
CWC420B-01	Water	Blue	Industrial kitchen, abattoirs	12mm/ 1/2"	20	150	1/2" BSP / 1/2" BSP	60	04039871
HWC420R-01	Hot water	Red	Mechanical workshops, agriculture, industrial kitchen, abattoirs, general engineering	12mm/ 1/2"	20	290@20°C - 100@80°C	1/2" BSP	85	04040160
CLC320D-01	Coolant	Dark grey	Mechanical workshops, agriculture	10mm/ 3/8"	20	250	3/8" BSP Inlet, 1/4" BSP Outlet	65	04039820
DRC418P-01	Water	Beige	Nurseries, agriculture, horticulture, horse/animal facilities, domestic application, general engineering	12mm/ 1/2"	18	125	Horticultural	60	04039922
OGC215K-04	Oxy/LPG	Black	General engineering, fabrication	5mm/ 3/16"	15	175	Gas thread	60	04040228

Retracta® R3 – Accessories



03223191



03968504

RETRACTA
by macnaught

Mfr No.	Description	Part Number
● BB200	Bench bracket for floor or bench mount	03223191
▶ BU200	Wall mounting bracket	03968504

E Series Metal Enclosed Reel

- Easy access to swivel: no need to disassemble the entire reel to access the swivel for maintenance or hose change
- Narrow body: made from powder coated, pressed steel for rigidity and protection, narrow footprint allows close mounting
- Fully serviceable: five year warranty, no special tools required
- Available for multiple fluids: oil, grease, water, coolant, compressed air
- Easy tensioning device: easy access to tensioning device, no special tools required



04040449



04040466

RETRACTA
by macnaught

5
YEARS
WARRANTY

Mfr No.	Fluid	Application	Hose ID mm/inch	Hose Length m	Working Pressure (psi)	Inlet	Outlet	Temp °C	Part Number
● ESAW1015-01	Compressed air/water	Automotive service centres, general vehicle workshops	10mm/ 3/8"	15	203	3/8" BSP F	3/8" BSP M	60	04040449
● ESAW1210-01	Compressed air/water	Automotive service centres, general vehicle workshops	12mm/ 1/2"	10	203	3/8" BSP F	3/8" BSP M	60	04040466
● ESGR0610-01	Grease	Automotive service centres, general vehicle workshops	6mm/ 1/4"	10	4060	1/4" BSP F	1/4" BSP M	60	04040500
● ESO1210-01	Oil	Automotive service centres, general vehicle workshops	12mm/ 1/2"	10	1015	1/2" BSP F	1/2" BSP M	60	04040483

F Series Heavy Duty Metered Reel

- Durable heavy duty construction: stainless steel shaft suitable for service vehicle mounts and harsh operating conditions
- Easy maintenance: featuring simple maintenance anodised aluminium meter body
- Simple and easy to operate display: clear digit display, simple programming and easy operation with robust powder coated steel register mount
- High quality hose and fitting: capable of handling multiple fluids and tough conditions
- Small footprint
- Suitable for service vehicle and narrow footprint requirements



RETRACTA
by macnaught

5
YEARS
WARRANTY

Mfr No.	Fluid	Application	Hose ID mm/inch	Hose Length m	Working Pressure (psi)	Inlet	Outlet	Part Number
● FHX01215-01	Oil	Mining, mobile plant, mechanical workshops, general engineering	12mm/ 1/2"	15	1250	1/2" BSP F	1/2" BSP M	04040585
● FHX01215-01	Oil	Mining, mobile plant, mechanical workshops, general engineering	19mm/ 3/4"	15	1250	3/4" BSP F	3/4" BSP M	04040636
● FCXD2515-01	Diesel	Mining, mobile plant, mechanical workshops, general engineering, water carts	25mm/ 1"	15	200	1" BSP F	1" BSP M	04040721
● FCXD3815-02	Diesel	Mining, mobile plant, mechanical workshops, general engineering, water carts	38mm/ 1 1/2"	15	150	1 1/2" NPT F	1 1/2" NPT M	04040772

KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

F Series Heavy Duty Non-Metered Reel

- High quality hose and fitting: reels are fitted with industrial grade, model specific hydraulic hose selected for durability and suitable for most common applications
- Stainless steel shaft for multi fluid use: all F-Series HD reels come standard with stainless steel shafts making the reel suitable for multiple applications from oils and grease to water and coolant, grease specific ¾" high pressure model has zinc coated MS shaft
- Fully serviceable: replacement parts are available
- High strength powder coated steel construction for durability: heavy gauge steel construction for use in arduous mobile conditions, protected from corrosion through quality powder coating
- Adjustable roller guide arm: adjustable arm (on Twin Ped Models) allows for multiple position mounting
- Sealed bearings: sealed for life against dust and water ingress

RETRACTA
by macnaught

5
YEARS
WARRANTY



04040534



04040568



04040619



04040687

Mfr No.	Fluid	Application	Hose ID mm/inch	Hose Length m	Working Pressure (psi)	Inlet	Outlet	Part Number
● FHG0915-01	Grease	Mining, mobile plant, mechanical workshops, general engineering	10mm/ ¾"	15	5000	¾" BSP F	¾" BSP M	04040534
● FH01215-01	Oil	Mining, mobile plant, mechanical workshops, general engineering	12mm/ ½"	15	1250	½" BSP F	½" BSP M	04040568
● FHM1900-01	Combined/BARE	Mining, mobile plant, mechanical workshops, general engineering	19mm/ ¾"	—	2000	¾" BSP F	¾" BSP M	04040602
● FH01915-01	Oil	Mining, mobile plant, mechanical workshops, general engineering	19mm/ ¾"	15	1250	¾" BSP F	¾" BSP M	04040619
● FCM2500-01	Combined/BARE	Mining, mobile plant, mechanical workshops, general engineering, water carts	25mm/ 1"	—	750	1" BSP F	1" BSP M	04040670
● FCD2515-01	Diesel	Mining, mobile plant, mechanical workshops, general engineering, water carts	25mm/ 1"	15	200	1" BSP F	1" BSP M	04040687
● FCW2515-01	Water	Mining, mobile plant, mechanical workshops, general engineering, water carts	25mm/ 1"	15	250	1" BSP F	1" BSP M	04040704
● FCM3800-02	Combined/BARE	Mining, mobile plant, mechanical workshops, general engineering, water carts	38mm/ 1½"	—	350	1½" NPT F	1½" NPT F	04040738
● FCD3815-02	Diesel	Mining, mobile plant, mechanical workshops, general engineering, water carts	38mm/ 1½"	15	150	1½" NPT F	1½" NPT M	04040755

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Retracta® R3 – Premium

- Integrated handle sleeker profile but retains functionality
- High wear resistant mouth ProGlide™ reduces friction between hose and reel mouth lessening wear and reducing fatigue
- Increased internal capacity reduces hose bunching and allows for longer hose lengths
- Upgraded Main Spring TRC® higher capacity allowing more turns, increased service life
- Wider mounting bracket: sturdier, more stable support for reel, simple mounting design
- Overrun protection on spring prevents spring damage on drum overrun
- Safe tensioning mechanism uni-directional ratchet to stop main spring release while tensioning, no special tools required
- Fully serviceable 10 year warranty, all parts available, no special tools required, year guarantee on parts

RETRACTA
by macnaught

10
YEARS
MACNAUGHT
WARRANTY



Mfr No.	Type	Case colour	Hose ID	Hose Length m	Pressure Rating (psi)	Inlet	Outlet	Temp °C	Part Number
AR320B-01	Compressed Air	Blue	3/8"	20	275	1/4" FBSP	3/8" BSPT M	60	04039531
AR320D-01	Compressed Air	Dark Grey	3/8"	20	275	1/4" FBSP	3/8" BSPT M	60	04039548
AR320R-01	Compressed Air	Red	3/8"	20	275	1/4" FBSP	3/8" BSPT M	60	04039565
AR415B-01	Compressed Air	Blue	1/2"	15	275	3/8" FBSP	3/8" BSPT M	60	04039582
AR415D-01	Compressed Air	Dark Grey	1/2"	15	275	3/8" FBSP	3/8" BSPT M	60	04039599
AR415R-01	Compressed Air	Red	1/2"	15	275	3/8" FBSP	3/8" BSPT M	60	04039616
AR420B-01	Compressed Air	Blue	1/2"	20	275	3/8" FBSP	3/8" BSPT M	60	04039633
AR420D-01	Compressed Air	Dark Grey	1/2"	20	275	3/8" FBSP	3/8" BSPT M	60	04039650
AR420R-01	Compressed Air	Red	1/2"	20	275	3/8" FBSP	3/8" BSPT M	60	04039667
AW320B-01	Air/Water	Blue	3/8"	20	275	3/8" FBSP	1/4" BSPT M	60	04039752
AW415B-01	Air/Water	Blue	1/2"	15	250	3/8" FBSP	3/8" BSPT M	60	04039769
AW420B-01	Air/Water	Blue	1/2"	20	250	3/8" FBSP	3/8" BSPT M	60	04039786
CW420B-01	Water Cold	Blue	1/2"	20	150	1/2" FBSP	1/2" BSPT M	60	04039854
DR418G-03	Water	Green	1/2"	18	125	Garden	Garden	60	04039888
DR418P-03	Water	Beige	1/2"	18	125	Garden	Garden	60	04039905
HP320R-01	Water High Pressure	Red	3/8"	20	3000	3/8" FBSP	3/8" BSPT M	100	04040092
HW415R-01	Water Hot Wash	Red	1/2"	15	150	1/2" FBSP	1/2" BSPT M	80	04040126
HW420R-01	Water Hot Wash	Red	1/2"	20	150	1/2" FBSP	1/2" BSPT M	80	04040143
GR215D-01	Grease	Dark Grey	1/4"	15	5000	1/4" FBSP	1/4" BSPT M	100	04039956
GR215K-01	Grease	Black	1/4"	15	5000	1/4" FBSP	1/4" BSPT M	100	04039973
OA215B-04	Oxy/Acet	Blue	1/4"	15	175	Gas Thread	Gas Thread	80	04040177
OG215K-04	Oxy/LPG	Black	1/4"	15	175	Gas Thread	Gas Thread	60	04040211
OMP415B-01	Oil	Blue	1/2"	15	1000	1/2" FBSP	1/2" BSPT M	90	04040262
OMP415D-01	Oil	Dark Grey	1/2"	15	1000	1/2" FBSP	1/2" BSPT M	90	04040279
CL320D-01	Coolant	Dark Grey	3/8"	20	250	3/8" FBSP	1/4" BSPT M	60	04039803
WD316R-01	Agri/Chem	Red	3/8"	16	290	3/8" FBSP	1/4" BSPT M	60	04040432

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KEY: ■ Available in-store ▶ Available in stock (ex DC) ● Available on order

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S

SIZE

Inner Diameter: mm Length: m
Rubber PVC Composite Metal Layflat

Details:

T

TEMPERATURE

Specify: °C

Details:

A

APPLICATION

External environment: Clean Chemical Harsh/Abbrasive
Other

Details:

M

MEDIA

Water Air Steam Petroleum Chemical

Details:

P

PRESSURE

Specify (Suction / Discharge)
Pressure: Bar kPA psi

Details:

E

END CONNECTIONS

Specify: end 1 Attachment Method:
end 2

Details:

D

DELIVERY

Testing and certification required: Y / N
Date required:

Details:

CUSTOMER NAME:

CUSTOMER ACCOUNT NUMBER:

CONTACT PERSON:

PHONE/EMAIL:

CUSTOMER ORDER NUMBER:

TECHNICAL SALES SPECIALISTS

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SIZE

Refers to the overall dimensions of the hose required for your particular needs. You'll need to know the hose ID, OD, and length. If the assembled length is critical to the hose's application, you may need to determine overall assembled lengths (length including fittings).

TEMPERATURE

Refers to the temperature of the application, which is an important factor, particularly how hot it is. Consider both internal (media and friction) and external (ozone and sunlight) temperatures. Most rubber compounds will naturally begin to break down as it approaches 95°C. There are specially blended rubber compounds that are made to withstand higher temperatures, such as EPDM and Viton.

APPLICATION

Refers to the environment in which the hose is being used. Is there a direct exposure to sunlight? If so, you will need a hose that is made from a compound that has ozone resistance, such as EPDM. Is there direct exposure to oil or petroleum products? If so, you will need a hose that uses a compound that has oil or aromatic resistance, such as NITRILE.

MEDIA

Refers to what product is running through the system. This parameter is important because the media will come in contact with the ID of the hose. Certain rubber compounds are made to withstand particular media. For example, NITRILE is good for oil/petroleum-based product.

PRESSURE

Refers to how much pressure is going through the system. Be aware of any spikes in pressure and allow for these drastic changes in the design and selection of your hose or valve. It is equally important to be aware of the correlation between temperature and pressure. A hose or valve cannot be used at its maximum rated working pressure and maximum rated temperature at the same time.

ENDS

Refers to which fittings are needed and how they are to be attached to the hose. A hose assembly is rated for the lesser of the working pressure of the hose and the fittings.

DELIVERY

Refers to when delivery of the assembly is required.