



**AIR HOSE & FITTINGS • WATER HOSE & FITTINGS • DUCTING
CAM COUPLINGS • COMPOSITE HOSE • FIRE HOSE
OIL HOSE • STAINLESS STEEL & METALLIC HOSE
CHEMICAL HOSE • PTFE HOSE • STEAM HOSE
FOOD & PHARMACEUTICAL HOSE • HOSE REELS
MATERIALS HANDLING • AUTOMOTIVE HOSE
WELDING, CUTTING & MARINE HOSE
BESPOKE ADAPTORS & COUPLINGS**

www.integraflex.co.com

HOSE ASSEMBLY SOLUTIONS



A Company You Can Trust

Integraflex Yorkshire is a trusted supplier of hose assembly solutions, hydraulic hoses, rubber sheets and gaskets. Based in Sheffield, we have been looking after customers in Yorkshire and across the UK since 2012, although our team's experience in the field goes back as far as the 1980s.

Part of the R&G Fluid Power Group, Integraflex Yorkshire is now a division of Pennine Pneumatic Services Ltd (PPS) and is co-located at their South Yorkshire branch in Dinnington on the outskirts of Sheffield.



Integrity and flexibility are at the heart of everything we do. Our business is based on trust – it's the only way we know how to work, by putting the customer first. More than just a supplier, our aim is to be an integral part of your maintenance, safety and production team. Our customers in Yorkshire and across the UK rely on us for a speedy and reliable service, along with expert advice.

OUR SHEFFIELD FACILITY





When you deal with Integraflex Yorkshire you are dealing with a team of people who have unequalled experience in specifying and manufacturing industrial hose and fittings. Believe it or not, we love what we do, and whilst hose assemblies may not be at the top of your priority list, they are ALWAYS at the top of our list. That's why when you contact us we know that a speedy, cost effective and safe solution is needed and that's what we're geared up for. We don't expect you to have all the part numbers to hand, we want to discuss your application and advise on a solution that we're all happy with. This is our guarantee.

- **Serving Yorkshire and the North of England from our Sheffield base**
- **80+ years of combined experience in the UK hose industry**
- **Highly competitive costs**
- **Proven excellent quality composite hose & fittings**
- **Large stocks**
- **Full traceability on most hose assemblies**
- **Quick turnaround**
- **A company you can trust**

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assembly solutions

We pride ourselves on having the best people, the best equipment and plenty of stock on-hand. Integraflex Yorkshire also manufacture for major automotive manufacturers that include documented 48-step processes for hose assemblies, with 100% fit-test on every assembly. Integraflex Yorkshire have lead the way on large bore swaged assemblies, the ultimate in safety, performance and peace of mind, all backed by full traceability.

- **Modern, Fully Calibrated Swaging Machines**
- **Highly Experienced Team of Hose Assembly Technicians**
- **Fast Turnaround**
- **Full Traceability on most Hose Assemblies**
- **Proven, Safe & Reliable Hose Products**
- **Bespoke Assemblies are our Speciality**



- **Small Bore Swaging 6mm - 51mm (Rubber, PVC & Hydraulic)**
- **Large Bore Rubber Hose Swaging >200mm i.d.**
- **Composite Hose Swaging**
- **Composite Hose Cut back & refit**
- **Stainless Steel Hygienic Ferrule Swaging**
- **Rubber Bounce Rings Fitted**
- **Stainless Steel Band Strapping**
- **Steam & Air Safety Clamps Professionally fitted**
- **Super Clamps Fitted**
- **'O' Clips and Compression Rings**
- **PVC Strip Doors Manufactured In-House**



testing & repair

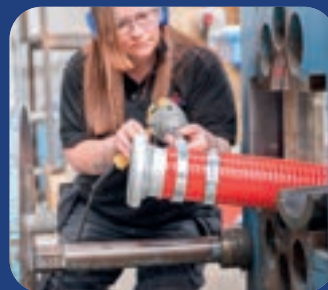
ensuring safety & compliance

The majority of hose assemblies manufactured by Integraflex Yorkshire are hydrostatically tested to ensure that the product is safely and professionally assembled and suitable for site service. When you order a new hose from Integraflex Yorkshire the testing is included in the cost of the assembly as is the test certificate. This is just the start of the story; increasing numbers of clients entrust Integraflex with their existing hoses, whereby we collect, inspect, repair and register their hoses on an annual basis.

Call us to discuss what you want and leave the rest to Integraflex Yorkshire.

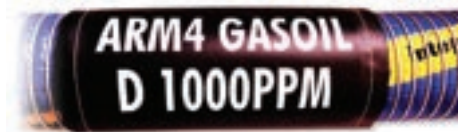


- **Fully Calibrated Hydrostatic Testing**
- **On-site Testing available**
- **Cut back & refit of your own hoses**
- **Re-testing & Certification of Existing Hoses**
- **Dedicated Customer Hose Registers**



Labelling Systems

As part of any good hose management system, durable, visible labelling is an absolute must, and there is no “one size fits all” solution for every customer & application. Integraflex Yorkshire have an increasing number of identification methods from a simple engraving to a laser etched stainless steel tag. We have our own registers and can issue a sequential I.D. number and/or issue a unique reference from your own register, just give us a call to discuss.



Integraflex labelling systems ensure easy identification



We handle some of the largest individual hose registers in the UK, our reputation and attention to detail is second to none.

Our aim is to do all the work for you. We will conduct a full site survey, log all hose locations and existing references if they exist. Full descriptions will be entered into a dynamic on-line register (that is backed up off-site for safety) and we will let you know in plenty of time when the hose assemblies are ready for re-test, so ensuring full quality compliance in the event of any external safety or quality audits.

We never condemn a hose assembly without a fully detailed report and where possible we'll utilise existing hose couplings if safe to do so.

We also advise any new hose costs in advance so you have full transparency and no hidden charges.



What Our Customers Say

"I have found that Integraflex Yorkshire's customer care is first class and they pull out all the stops to make their customers happy & supply what is required. Their prices are very competitive and the turn around of equipment is quick and of a high standard."

hose care

the hose management solution

keeping you working, safe & compliant the easy way

- **Bespoke hose tagging and ID options**
- **We work together to ensure all your hoses are safe & compliant**
- **Dedicated customer hose register available**
- **We work with you to plan effective maintenance schedules**
- **On-site collection and return of hose**
- **Rapid response time - minimum downtime**





PPS Pennine
Pneumatic
Services Ltd
Compressed Air Specialists

more than just hose assembly



Integraflex Yorkshire are proud to be working as a division of Pennine Pneumatic Services Ltd (PPS). From one supplier you can source a range of production solutions.

PPS was established in 1991 to provide a superior compressed air service to local businesses. It has since grown to become a leading provider of complete turnkey production solutions, covering air compressors, vacuum pumps, nitrogen generators, chillers, HVAC equipment, pneumatics, pipework and assembly tools. Covering the plant room to the factory floor, PPS design, supply, install and maintain systems across Yorkshire, the North and the UK. The team are based across four sites in Brighouse, Sheffield, Leigh and Hull.

 **01422 321 772**
 **sales@pps.co.com**

**Supply & service of
industry leading brands:**



A Trusted Supplier



ACCREDITED
SUPPLIER





01 RUBBER 20 BAR AIR ISO 2398-4A (Long length)

Order Ref: RAY - SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL - MIST RESISTANT NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT SMOOTH NATURAL AND SYNTHETIC RUBBER.

APPLICATION: MEDIUM DUTY SERVICE FOR AIR AND PNEUMATIC TOOLS SPECIALLY IN MINES, QUARRIES AND CONSTRUCTION.

SPECIFICATION: TS 745/EN ISO 2398 TYPE 4/B.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	13	21	20	300	60	900	125	389	100
3/4	19	29	20	300	60	900	190	521	50
1	25	35	20	300	60	900	250	800	50



04 MANDREL BUILT 20 BAR AIR ISO 2398-4A

Order Ref: AMY-SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL MIST RESISTANT NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT SYNTHETIC RUBBER.

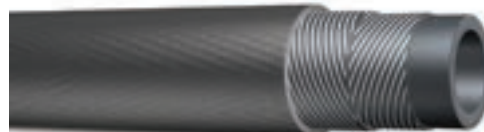
APPLICATION: MEDIUM DUTY SERVICE FOR AIR AND PNEUMATIC TOOLS, SPECIALLY IN MINES, QUARRIES AND CONSTRUCTION.

SPECIFICATION: TS 745/EN ISO 2398 TYPE 4/B.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25.4	37	20	300	60	900	254	710	40
1 1/4	32	45	20	300	60	900	320	1005	40
1 1/2	38	52	20	300	60	900	380	1290	40
2	51	65	20	300	60	900	510	1655	0 4
3	76.2	92	20	300	60	900	762	2690	40



02 RUBBER 20 BAR AIR ISO2398-4A (Long length)

Order Ref: RAH-SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL - MIST RESISTANT NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT SMOOTH NATURAL AND SYNTHETIC RUBBER.

APPLICATION: MEDIUM DUTY SERVICE FOR AIR AND PNEUMATIC TOOLS SPECIALLY IN MINES, QUARRIES AND CONSTRUCTION.

SPECIFICATION: TS 745/EN ISO 2398 TYPE 4/B.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	12	20	300	60	900	60	172	100
5/16	8	15	20	300	60	900	80	174	100
3/8	10	17	20	300	60	900	100	242	100
1/2	13	21	20	300	60	900	125	389	100
3/4	19	29	20	300	60	900	190	521	50
1	25	35	20	300	60	900	250	800	50



05 MANDREL BUILT 20 BAR AIR ISO 2398-4A

Order Ref: AMB-SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL MIST RESISTANT NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT SYNTHETIC RUBBER.

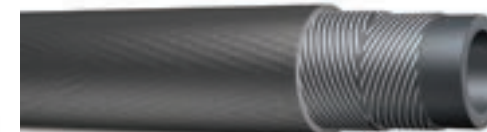
APPLICATION: MEDIUM DUTY SERVICE FOR AIR AND PNEUMATIC TOOLS, SPECIALLY IN MINES, QUARRIES AND CONSTRUCTION.

SPECIFICATION: TS 745/EN ISO 2398 TYPE 4/B.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25.4	37	20	300	60	900	254	710	40
1 1/4	32	45	20	300	60	900	320	1005	40
1 1/2	38	52	20	300	60	900	380	1290	40
2	51	65	20	300	60	900	510	1655	0 4
3	76.2	92	20	300	60	900	762	2690	40



03 RUBBER ANTISTATIC AIR 20 BAR (BS 2050)

Order Ref: AAH-SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL - MIST RESISTANT NATURAL AND SYNTHETIC RUBBER ANTISTATIC.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT SMOOTH NATURAL AND SYNTHETIC RUBBER.

APPLICATION: MEDIUM DUTY SERVICE FOR AIR AND PNEUMATIC TOOLS SPECIALLY IN MINES, QUARRIES AND OFFSHORE.

SPECIFICATION: BS 2050 ANTISTATIC ELECTRICAL RESISTANCE.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	12	20	300	60	900	60	110	100
5/16	8	15	20	300	60	900	80	135	100
3/8	10	17	20	300	60	900	100	160	100
1/2	13	21	20	300	60	900	125	237	50
3/4	19	29	20	300	60	900	190	431	50
1	25	35	20	300	60	900	250	800	50



06 STEEL REINFORCED 40 BAR AIR ISO 2398/6B

Order Ref: SAY-SIZE MM

TECHNICAL INFORMATION:

TUBE: SYNTHETIC NBR RUBBER, RESISTANT TO OIL, MIST, MIXED AIR AND INERT FLUIDS.

REINFORCEMENT: HIGH TENSILE STEEL WIRE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT PIN-PRICKED SYNTHETIC RUBBER.

APPLICATION: FOR HIGH PRESSURE AIR TRANSFER IN MINES.

SPECIFICATION: ISO 2398/6B.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
2	51	66	40	580	160	2320	612	2450	40
3	76.2	94	30	435	120	1740	915	4740	40

FOR ALL YOUR COMPRESSED AIR APPLICATIONS

Integraflex are constantly monitoring the market, not only to bring you the best deals on all hose and fittings but also to ensure that safety is paramount.

We supply a complete range of hoses and professionally made assemblies that are suitable for workshop and site air applications including:

- Air Tools
- Pneumatic Breakers
- Compressors
- Breathing Airlines
- Hot Air Blower

air hose



07 RUBBER COMPRESSOR HOSE ASSEMBLIES 300 PSI YELLOW

Order Ref: COMPRUB-15M

TECHNICAL INFORMATION: HIGH QUALITY 20 BAR COMPRESSOR HOSE FITTED WITH EUROPEAN QR COUPLINGS & INTERLOCKING SAFETY CLAMPS.

TUBE: SBR.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION RESISTANT SBR.

APPLICATION: COMPRESSED AIR.

SPECIFICATION: EN ISO 2398:4A.

TEMPERATURE RANGE: -20°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
3/4	19	29	20	300	60	900	-	-	15



11 TWIN AIRLINE

Order Ref: SIA-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK SBR RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, WEATHER AND FLAME RESISTANT TPR.

APPLICATION: FOR THE CONVEYANCE OF AIR IN SHOTBLASTING APPLICATIONS.

TEMPERATURE RANGE: -30°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	GR/MT	MT
1/4	6	12	20	300	60	900	320	100



08 CLEAR BRAIDED PVC

Order Ref: CBPVC-SIZE MM

TECHNICAL INFORMATION:

TUBE: TRANSPARENT PLASTICISED PVC.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE & WEATHER RESISTANT TRANSPARENT PVC.

APPLICATION: GARDENING, IRRIGATION, AND GENERAL WATER DISCHARGE AND LOW PRESSURE AIRLINES.

TEMPERATURE RANGE: -20°C TO +65°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	11	15	225	15	45	-	-	30
5/16	8	13	15	225	15	45	-	-	30
3/8	10	14.6	12	180	12	36	-	-	30
1/2	12.5	16.5	12	180	12	36	-	-	30
5/8	16	20.3	10	150	10	30	-	-	30
3/4	19	23.5	10	150	10	30	-	-	30
1	25	30.5	9	135	9	27	-	-	30
1 1/4	32	38.3	6	90	6	18	-	-	30
1 1/2	38	48	6	90	6	18	-	-	30
2	50	62	3	45	6	9	-	-	30



12 SIRUS (BLACK AIR YELLOW STRIPE)

Order Ref: BYA-SIZE MM

TECHNICAL INFORMATION:

TUBE: FULLY FLEXIBLE ALLOY COMPOUND

REINFORCEMENT: SYNTHETIC TEXTILE

COVER: BLACK OZONE RESISTANT WITH YELLOW STRIPE

APPLICATION: A UNIVERSAL PERFORMER FOR USE WITH COMPRESSORS AND AIR TOOLS

TEMPERATURE RANGE: -30°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6.3	14	20	300	60	900	30	187	20/30/100
5/16	8	15	20	300	60	900	75	222	10/15/20/30/100
3/8	10	16	20	300	60	900	90	259	10/15/20/30/100
1/2	13	20	20	300	60	900	115	368	15/20/30/100
3/4	19	28	20	300	60	900	150	530	30/100
1	25	36	20	300	60	900	210	848	30/60



09 COLOURED BRAIDED PVC

Order Ref: RPVC-COLOUR-SIZE MM

TECHNICAL INFORMATION:

TUBE: TRANSPARENT PLASTICISED PVC.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT TRANSPARENT PVC.

APPLICATION: GARDENING, IRRIGATION AND GENERAL WATER

TEMPERATURE RANGE: -20°C TO +65°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	11	15	225	15	45	-	-	30
5/16	8	13	15	225	15	45	-	-	30
3/8	10	14.6	12	180	12	36	-	-	30
1/2	12.5	16.5	12	180	12	36	-	-	30
5/8	16	20.3	10	150	10	30	-	-	30
3/4	19	23.5	10	150	10	30	-	-	30
1	25	30.5	9	135	9	27	-	-	30



13 SKY 20 GREEN (NON CONDUCTIVE REINFORCED AIR HOSE)

Order Ref: NCA-SIZE CFT

TECHNICAL INFORMATION:

TUBE: NON-CONDUCTIVE, NATURAL AND SYNTHETIC WHITE RUBBER

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE

COVER: NON-CONDUCTIVE, ABRASION, OZONE AND WEATHER

RESISTANT, GREEN, SYNTHETIC RUBBER

SPECIFICATION: ISO 2398

APPLICATION: FOR COOLING WATER IN INDUCTION HEATING FURNACE APPLICATIONS

TEMPERATURE RANGE: -25°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	13	20	20	290	60	870	130	570	40
3/4	19	34	20	290	60	870	190	884	40
1	25.4	40	20	290	60	870	254	1101	40
1 1/4	32	46	20	290	60	870	320	1215	40
1 1/2	38	52	20	290	60	870	380	1427	40
2	51	65	20	300	60	870	510	1801	40



10 BRAIDED BREATHING AIR PVC

Order Ref: HBA-SIZE MM

TECHNICAL INFORMATION: HIGH QUALITY BREATHING AIR HOSE

AVAILABLE IN A NUMBER OF COLOURS INCLUDING; RED, BLUE, YELLOW, GREEN, AND BLACK. CAN BE SUPPLIED IN NUMEROUS COIL LENGTHS INCLUDING 10M, 20M, 30M & 50M.

CAN ALSO BE SUPPLIED AS SWAGED ASSEMBLIES.

TUBE: TRANSPARENT PLASTICISED PVC.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT TRANSPARENT PVC.

APPLICATION: GARDENING, IRRIGATION AND GENERAL WATER

TEMPERATURE RANGE: -20°C TO +65°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	11	15	225	15	45	-	-	30

Air Hose Assemblies

Let the professionals manufacture your compressed air hose assemblies at no extra cost. Integraflex Yorkshire can clamp, or for a tamper proof method, we will swage your hose assemblies and test to one and a half times the maximum working pressure of the assembly (in accordance with EN-ISO 7751) to ensure complete integrity and safety.

After assembly we will give the hose assembly a unique identification mark using one of a number of ID options and supply a test certificate (in accordance with EN-ISO 1402) for your records.

Let us know what you need and we'll sort it for you.

quick release fittings

AMERICAN TYPE COMPRESSOR COUPLINGS



01 HOSE TAIL

PART#	SIZE
AK038HE	3/8"
AK050HE	1/2"
AK075HE	3/4"
AK100HE	1"



02 MALE THREAD NPT

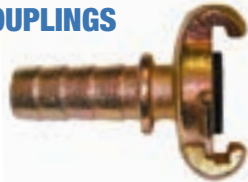
PART#	SIZE
AK038M	3/8"
AK050M	1/2"
AK075M	3/4"
AK100M	1"



03 FEMALE THREAD NPT

PART#	SIZE
AK038F	3/8"
AK050F	1/2"
AK075F	3/4"
AK100F	1"

EUROPEAN TYPE COMPRESSOR COUPLINGS



04 HOSE TAIL

PART#	SIZE
C038HE	3/8"
C050HE	1/2"
C075HE	3/4"
C100HE	1"



05 MALE THREAD BSPT

PART#	SIZE
C038M	3/8"
C050M	1/2"
C075M	3/4"
C100M	1"



06 FEMALE THREAD BSPP

PART#	SIZE
C038F	3/8"
C050F	1/2"
C075F	3/4"
C100F	1"



07 SAFETY HOSE CLAMPS TO SUIT BOTH EUROPEAN & AMERICAN TYPE

PART#	SIZE
AKC4	25-30mm
AKC9	29-33mm
AKC10	33-38mm
AKC14	38-46mm



08 2 BOLT MALLEABLE IRON CLAMP

PART#	SIZE
DIDB22	17-22mm
DIDB29	22-29mm
DIDB34	27-32mm
DIDB40	32-39mm



09 GASKET

PART#	SIZE
AKG	UNIVERSAL



10 SAFETY PIN

PART#	SIZE
AKP	UNIVERSAL



WHIPCHECK SAFETY CABLE

Strong steel cables with spring loaded loops which are used on air, steam hoses etc for the safe holding of assemblies should they become accidentally separated. Prevents injury to operators and damage to plant and machinery. Manufactured from steel components for standard applications.

PART#	CABLE	SIZE	LENGTH
WCB1	1/8"	1/2"-1 1/4"	20-1/4"
WCA2	1/4"	1 1/2"-3"	38"



MAC-TYPE SLEEVE TURN COUPLERS

- Additional safety and improvements in service
- Fully compatible with Macdonald fittings
- Allow full 360° rotation of coupling
- Reduces kinks & torsion in hose assemblies
- Incorporates integral swage ferrule for safe assemblies



MAC-TYPE SLEEVE LOCK ADAPTORS

- Additional safety and improvements in service
- Fully compatible with Macdonald fittings
- Safety ring can easily be tightened by hand when couplings are engaged
- Ensures no accidental de-coupling in service
- Incorporates integral swage ferrule for safe assemblies

QUICK CONNECT AIR COUPLINGS

TECHNICAL INFORMATION

- Fully interchangeable with Macdonald fittings
- Quick acting couplings size 3/8" through to 3/4"
- Zinc plated carbon steel with nitrile rubber gasket
- Max. Working Pressure: 600 psi (water), 300 psi (air).



11 STYLE HF FEMALE SOCKET X HOSE TAIL

PART#	SIZE
BFH6	3/8"
BFH8	1/2"
BFH12	3/4"



14 STYLE HM MALE ADAPTOR X HOSE TAIL

PART#	SIZE
BMH6	3/8"
BMH8	1/2"
BMH12	3/4"



12 STYLE OF FEMALE SOCKET X BSPT MALE THREAD

PART#	SIZE
BFM6	3/8"
BFM8	1/2"
BFM12	3/4"



15 STYLE IF FEMALE SOCKET X BSP FEMALE THREAD

PART#	SIZE
BFF6	3/8"
BFF8	1/2"
BFF12	3/4"



13 STYLE IM MALE ADAPTOR X BSP FEMALE THREAD

PART#	SIZE
BMF6	3/8"
BMF8	1/2"
BMF12	3/4"



16 STYLE OM MALE ADAPTOR X BSPT MALE THREAD

PART#	SIZE
BMM6	3/8"
BMM8	1/2"
BMM12	3/4"

Call: 0114 321 0756

quick connect fittings

XF COUPLINGS (INTERCHANGEABLE WITH RECTUS 25/26 & CEJN 320)



'SCHRADER' COUPLINGS (SERIES 17)



AIR FLOW COUPLINGS (PCL/SERIES 19)



COMBINATION NIPPLES



NYLON TUBING

17 ADAPTOR HALF

PART#	SIZE
AA7101	Male thread R 1/8
AA7102	Male thread R 1/4
AA7103	Male thread R 3/8
AA7104	Male thread R 1/2
AA7105	Female thread Rp 1/8
AA7106	Female thread Rp 1/4
AA7107	Female thread Rp 3/8
AA7108	Female thread Rp 1/2
AA7109	4mm Hose tailpiece
AA7110	6mm Hose Tailpiece
AA7111	8mm Hose Tailpiece
AA7112	10mm Hose Tailpiece
AA7113	13mm Hose Tailpiece
AA7103/STY	Male thread G 3/8 Safety Adaptor



18 BALL VALVE - NICKEL PLATED BSPP FEMALE THREAD

PART#	SIZE	MWP
BBV025	1/4"	25BAR
BBV038	3/8"	25BAR
BBV050	1/2"	25BAR
BBV075	3/4"	25BAR
BBV100	1"	25BAR
BBV125	1.1/4"	25BAR
BBV150	1.1/2"	25BAR
BBV200	2"	25BAR
BBV250	2.1/2"	25BAR
BBV300	3"	25BAR
BBV400	4"	25BARIK

19 COUPLER HALF

PART#	SIZE
AC71CM	Male thread R 1/4
AC71EM	Male thread R 3/8
AC71JM	Male thread R 1/2
AC71CF	Female thread Rp 1/4
AC71EF	Female thread Rp 3/8
AC71JF	Female thread Rp 1/2
AC7106	6mm Hose Tailpiece
AC7108	8mm Hose Tailpiece
AC7110	10mm Hose Tailpiece
AC7113	13mm Hose Tailpiece
AS71CM	Male thread G 1/4 Safety Coupling
AS71EM	Male thread G 3/8 Safety Coupling
AS71JM	Male thread G 1/2 Safety Coupling
AS71CF	Female thread G 1/4 Safety Coupling
AS71EF	Female thread G 3/8 Safety Coupling
AS71JF	Female thread G 1/2 Safety Coupling

FIT FOR FITTING?

Integraflex ARE SPECIALISTS IN HOSE ASSEMBLIES, WHY NOT GET YOUR ASSEMBLIES MANUFACTURED BY US.

20 COUPLER HALF

PART#	SIZE
ACS102	Standard - Male thread R 1/4
ACS103	Standard - Male thread R 3/8
ACS101	Standard - Female thread G 1/4
ACS201	Heavy Duty - Female thread G 1/2



21 ADAPTOR HALF

PART#	SIZE
ACAS104	Standard - Male thread R 1/4
ACAS105	Standard - Female thread G 1/4
ACAS101	Standard - 6mm (1/4") Hose tailpiece
ACAS103	Standard - 8mm (5/16") Hose tailpiece
ACAS102	Standard - 10mm (3/8") Hose tailpiece
ACAS204	Heavy duty - Male thread R 1/4
ACAS205	Heavy duty - Male thread R 3/8
ACAS203	Heavy duty - Male thread R 1/2
ACAS201	Heavy duty - 10mm (3/8") Hose tailpiece
ACAS202	Heavy duty - 12mm (1/2") Hose tailpiece

22 COUPLER

PART#	SIZE
AC21CM	Male thread R 1/4
AC21EM	Male thread R 3/8
AC21JM	Male thread R 1/2
AC21CF	Female thread Rp 1/4
AC21EF	Female thread Rp 3/8
AC21JF	Female thread Rp 1/2
AC21R	7mm Hose Tailpiece
AC21S	8mm Hose Tailpiece
AC21T	10mm Hose Tailpiece



23 STANDARD ADAPTORS

PART#	SIZE
ACA2593	Male thread R 1/4
ACA6909	Male thread R 3/8
ACA6584	Male thread R 1/2
ACA2746	Female thread Rp 1/4
ACA6582	Female thread Rp 3/8
ACA6583	Female thread Rp 1/2
ACA1793	6.35mm (1/4") Hose tailpiece
ACA2486	4.75mm (3/16") Hose Tailpiece
ACA2487	7.9mm (5/16") Hose Tailpiece
ACA2488	9.5mm (3/8") Hose Tailpiece
ACA9438	13mm (1/2") Hose Tailpiece
ACA9101	Male thread R 1/4 Safety Adaptor

24 THREADED STAINLESS STEEL

PART#	SIZE
KC050S	1/2"
KC075S	3/4"
KC100S	1"
KC125S	1-1/4"
KC150S	1-1/2"
KC200S	2"
KC250S	2-1/2"
KC300S	3"
KC400S	4"
KC500S	5"
KC600S	6"
KC800S	8"
KC1000S	10"
KC1200S	12"



25 THREADED STEEL

PART#	SIZE
KC050	1/2"
KC075	3/4"
KC100	1"
KC125	1-1/4"
KC150	1-1/2"
KC200	2"
KC250	2-1/2"
KC300	3"
KC400	4"
KC500	5"
KC600	6"
KC800	8"
KC1000	10"
KC1200	12"

TUBE: MANUFACTURED FROM HEAT AND LIGHT STABILISED TYPE 12 NYLON TO PRECISE TOLERANCES. HIGH RESISTANCE TO MOISTURE ABSORPTION. RESISTANCE TO A WIDE RANGE OF CHEMICALS
APPLICATION: SUITABLE FOR USE IN AIR BRAKE, FUEL AND LUBE APPLICATIONS, NOT WITHSTANDING INSTRUMENTATION AND SECONDARY AIR SYSTEMS

26 METRIC LIGHT DUTY

PART#	METRIC SIZE O.D.	I.D.	WEIGHT PER COIL (KG)
NLF0404	4	3	0.21
NLF0602	6	4.5	0.41
NLF0804	8	6	0.72
NLF1006	10	7.5	1.13
NLF1025	10	8	0.88
NLF1202	12	9.5	1.37
NLF1201	12	10	1.07
NLF1602	16	13	2.23

27 METRIC MEDIUM DUTY

PART#	METRIC SIZE O.D.	I.D.	WEIGHT PER COIL (KG)
NMF0405	4	2.5	0.25
NMF0506	5	3.3	0.36
NMF0607	6	4	0.52
NMF0803	8	5.5	0.87
NMF1003	10	7	1.31
NMF1229	12	9	1.53
NMF1605	16	12	2.88
NMF1804	18	14	3.29
NMF2202	22	17	5
NMF2801	28	22	7.69

01 BRASS HOSE TO FIXED MALE BSP PARALLEL OR TAPER THREAD



PARALLEL PART#	TAPER PART#	THREAD SIZE	HOSE SIZE
36901	36939	1/8"	1/8"
36902	36940	1/8"	1/4"
—	36973	1/8"	5/16"
—	36968	1/8"	3/8"
36982	—	1/8"	1/2"
36903	36945	1/4"	1/8"
—	36949	1/4"	3/16"
36904	36905	1/4"	1/4"
36937	36942	1/4"	5/16"
36906	36907	1/4"	3/8"
36908	36943	1/4"	1/2"
36972	—	1/4"	3/4"
36912	36913	3/8"	1/4"
36910	36911	3/8"	3/8"

PARALLEL PART#	TAPER PART#	THREAD SIZE	HOSE SIZE
36966	36944	3/8"	5/16"
36914	36915	3/8"	1/2"
36961	—	3/8"	5/8"
36970	36971	1/2"	1/4"
35918	36919	1/2"	3/8"
36916	36917	1/2"	1/2"
36938	36960	1/2"	5/8"
36920	36921	1/2"	3/4"
36965	36969	1/2"	1"
36951	36954	3/4"	3/8"
36922	36923	3/4"	1/2"
36975	36953	3/4"	5/8"
36924	36925	3/4"	3/4"
36926	36927	3/4"	1"

PARALLEL PART#	TAPER PART#	THREAD SIZE	HOSE SIZE
36978	—	1"	1/2"
36979	—	1"	5/8"
36909	36933	1"	3/4"
36928	36929	1"	1"
36936	36941	1"	1.1/4"
36962	36974	1.1/4"	1"
36930	36931	1.1/4"	1.1/4"
36999	36959	1.1/4"	1.1/2"
—	36976	1.1/2"	1.1/4"
36932	36957	1.1/2"	1.1/2"
—	36981	2"	1.1/2"
36934	36958	2"	2"



02 STEEL HP NUTS & TAILS

HIGH QUALITY ZINC-PLATED STEEL HEXAGON NUT WITH SERRATED HOSETAIL. DESIGNED FOR HIGH PRESSURE AIR APPLICATIONS, TYPICALLY PRESSURES EXCEEDING 10BAR (150PSI). POPULAR IN OFFSHORE AIR APPLICATIONS AND FOR LARGER BORE AIRLINES (BULL-LINES). THESE ARE FLAT-FACED FITTINGS AND SUPPLIED C/W LEATHER WASHERS. SAFETY VERSIONS THAT INCLUDE A LOCATION COLLAR FOR CLAMPS ARE ALSO AVAILABLE.

PARALLEL PART#	TAPER PART#	THREAD SIZE
37809	37810	1 1/2"
37811	37812	2"

Other sizes available on request.



03 BRASS FEMALE NUTS & TAILS

AVAILABLE WITH 60° CONE SEAT OR FLAT FACE (WASHER SEATED).

PART#	BSP SIZE	HOSE (CONE) SIZE
FH13/14	1/4"	1/4"
FH17/38	3/8"	3/8"
FH21/12	1/2"	1/2"
FH26/34	3/4"	3/4"
FH33/1	1"	1"



04 STEEL FEMALE HYDRAULIC FITTINGS

HIGH QUALITY ZINC-PLATED STEEL HEXAGON NUT WITH SERRATED HOSETAIL. DESIGNED FOR HIGH PRESSURE AIR APPLICATIONS, TYPICALLY PRESSURES EXCEEDING 10BAR (150PSI) 60° CONE SEAT SEALING FACE. BSP THREAD (NPT ALSO AVAILABLE ON REQUEST).

PART#	BSP SIZE	HOSE SIZE
BF0404CF	1/4"	1/4"
BF0606CF	3/8"	3/8"
BF0808CF	1/2"	1/2"
BF1212CF	3/4"	3/4"
BF1616CF	1"	1"
BF2020CF	1 1/4"	1 1/4"
BF2424CF	1 1/2"	1 1/2"
BF3232CF	2"	2"

Other sizes available on request.

DID YOU KNOW?



A COMPLETE RANGE OF
HYDRAULIC ADAPTORS IS
AVAILABLE UPON REQUEST

Call: 0114 321 0756

water delivery hose



05 EPDM RADIATOR

Order Ref: SUN-SIZE MM

TECHNICAL INFORMATION:

TUBE: HEAT RESISTANT EPDM RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: HEAT, AGEING & WEATHER RESISTANT EPDM BASED RUBBER.

APPLICATION: COOLING SYSTEMS OF AUTOMOTIVE & STATIONARY ENGINES.

TEMPERATURE RANGE: -40°C TO +125°C



INCH	MM	MM	BAR	PSI	BAR	PSI	W/A	COIL
3/4	20	26	4	58	12	174	308	1-40
7/8	22	28	4	58	12	174	334	1-40
1	25.4	32	4	58	12	174	421	1-40
1 1/8	28	34.5	4	58	12	174	459	1-40
1 3/16	30	38	4	58	12	174	586	1-40
1 1/4	32	40	4	58	12	174	621	1-40
1 3/8	35	43	4	58	12	174	672	1-40
1 1/2	38	47	4	58	12	174	825	1-40
-	40	49	4	58	12	174	864	1-40
1 5/8	42	51	4	58	12	174	903	1-40
1 3/4	44.5	54	4	58	12	174	1021	1-40
-	48	57.5	4	58	12	174	1094	1-40
2	50.8	60	4	58	12	174	1152	1-40
2 3/16	55	65	4	58	12	174	1324	1-40
2 3/8	60	70	4	58	12	174	1434	1-40
2 1/2	63.5	73.5	4	58	12	174	1511	1-40
2 3/4	70	80	4	58	12	174	1654	1-40
3	76.2	86	4	58	12	174	1791	1-40
-	80	90	4	58	12	174	1875	1-40
3 1/2	90	100	4	58	12	174	2095	1-40
4	101.6	111.5	4	58	12	174	2165	1-40



06 EXTRAFLEX YELLOW PVC REINFORCED WATER

Order Ref: YGH-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK PVC. **REINFORCEMENT:** POLYESTER FIBRE

COVER: YELLOW PVC. **APPLICATION:** FOR CONVEYANCE OF WATER

TEMPERATURE RANGE: -10°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	12.5	17.5	10	145	30	435	-	132	30/50
3/4	19	25	10	145	30	435	-	212	50



07 PVC FLUTED WATER DELIVERY

Order Ref: FWH-SIZE MM

TECHNICAL INFORMATION:

TUBE: PVC/NITRILE.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: PVC/NITRILE, ABRASION AND WEATHER RESISTANT. OUTSTANDING UV RESISTANCE.

APPLICATION: CONVEYANCE OF WATER ON SITES AND ALSO SUITABLE FOR DOMESTIC APPLICATIONS.

TEMPERATURE RANGE: -10°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	13	20	7	105	21	315	-	285	40
3/4	19	26	7	105	21	315	-	395	40



08 20 BAR MANDREL BUILT WRAPPED COVER WATER BLACK

Order Ref: AMB -SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL MIST RESISTANT NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT SYNTHETIC RUBBER.

APPLICATION: MEDIUM DUTY SERVICE FOR AIR AND PNEUMATIC TOOLS, SPECIALLY IN MINES, QUARRIES AND CONSTRUCTION.

SPECIFICATION: TS 745/EN ISO 2398 TYPE 4/B.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25.4	37	20	300	60	900	254	710	40
1 1/4	32	45	20	300	60	900	320	1005	40
1 1/2	38	52	20	300	60	900	380	1290	40
2	51	65	20	300	60	900	510	1655	40
3	76.2	92	20	300	60	900	762	2690	40



09 GREEN TINT PVC WATER SUCTION & DELIVERY LIGHT DUTY

Order Ref: GWL-SIZE MM

TECHNICAL INFORMATION:

TUBE: STRONG, FLEXIBLE AND SMOOTH, PLASTICIZED PVC, SHOCK & CRUSH RESISTANT PVC SPIRAL, CHEMICAL AGENTS, ABRASION AND WEATHER RESISTANT, LIGHT CORRUGATED OUTSIDE

REINFORCEMENT: WHITE NYLON SPIRAL

APPLICATION: LIGHT DUTY DELIVERY OF WATER, LIGHT CHEMICALS, IN AGRICULTURAL, INDUSTRIAL APPLICATIONS & CONSTRUCTION

TEMPERATURE RANGE: -5°C TO +60°C



INCH	MM	MM	BAR	M.H2O	MM	GR/MT	MT
1	25	21	6	105	290	30/10	
1 1/4	32	21	6	125	370	30/10	
1 1/2	38	18	6	150	485	30/10	
2	51	15	6	205	700	30/10	
2 1/2	63	13	6	260	880	30/10	
3	76	10	5	320	1300	30/10	

OTHER COLOURS AVAILABLE UPON REQUEST.
ALSO STOCKED IN BLACK 25mm, 32mm, 38mm, 51mm

10 FOOD QUALITY BRAIDED PVC

Order Ref: CBPVC-SIZE MM

TECHNICAL INFORMATION:

TUBE: TRANSPARENT PLASTICISED PVC.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

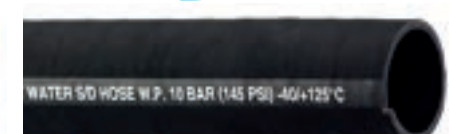
COVER: ABRASION, OZONE & WEATHER RESISTANT TRANSPARENT PVC.

APPLICATION: GARDENING, IRRIGATION AND GENERAL WATER DISCHARGE AND LOW PRESSURE AIRLINES.

TEMPERATURE RANGE: -20°C TO +65°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	11	15	225	15	45	-	-	30
5/16	8	13	15	225	15	45	-	-	30
3/8	10	14.6	12	180	12	36	-	-	30
1/2	12.5	16.5	12	180	12	36	-	-	30
5/8	16	20.3	10	150	10	30	-	-	30
3/4	19	23.5	10	150	10	30	-	-	30
1	25	30.5	9	135	9	27	-	-	30
1 1/4	32	38.3	6	90	6	18	-	-	30
1 1/2	38	48	6	90	6	18	-	-	30
2	50	62	3	45	6	9	-	-	30



11 NEPTUNE 125C (HIGH TEMPERATURE WATER HOSE)

Order Ref: WSH-HW-SIZE MM

TECHNICAL INFORMATION:

TUBE: EPDM RUBBER

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE & STEEL WIRE HELIX

COVER: ABRASION, HEAT, OZONE AND WEATHER RESISTANT, SMOOTH EPDM RUBBER

SPECIFICATION: ISO 1307

APPLICATION: FOR SUCTION AND DELIVERY OF HOT WATER WITH VERY LIGHT CHEMICAL CONTENT IN INDUSTRIAL AND AUTOMOTIVE APPLICATIONS

TEMPERATURE RANGE: -40°C TO +125°C



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	GR/MT	M
1	25	35	10	145	30	435	-0.92	127	663	61
2	51	62	10	145	30	435	-0.92	254	1632	61
3	76	89	10	145	30	435	-0.92	381	2732	61
4	102	115	10	145	30	435	-0.92	508	3693	61
6	152	169	10	145	30	435	-0.92	762	7358	61

HOSE WITHOUT HASSLE?

OUR HOSE MANAGEMENT SERVICE TAKES ALL THE HASSLE OUT OF HOSE.

GIVE US A CALL TO FIND OUT MORE

PVC suction/layflat hose



01 SUPER ELASTIC MEDIUM DUTY SUCTION & DELIVERY

Order Ref: GSE-SIZE MM

TECHNICAL INFORMATION:

CONSTRUCTION: STRONG, FLEXIBLE AND SMOOTH, SPECIAL SUPER ELASTIC MATERIAL, SHOCK & CRUSH RESISTANT PVC SPIRAL ABRASION AND WEATHER RESISTANT.

REINFORCEMENT: BLUE NYLON SPIRAL.

APPLICATION: FOR MEDIUM DUTY SUCTION AND DELIVERY OF WATER, SALT WATER, LIGHT CHEMICALS, LIQUIDS, IN AGRICULTURAL & INDUSTRIAL APPLICATIONS, SEWER PURGING, SLUDGE, SLURRIES, WASTE MATTER, SAND AND GRAVEL, ESPECIALLY FOR USE IN COLD CLIMATES.

TEMPERATURE RANGE: -20°C TO 60°C



INCH	MM	BAR	M.H2O	MM	GR/MT	MT
1	25	20	9	90	480	30
1 1/4	32	17	9	130	580	30
1 1/2	38	16	9	140	670	30
2	51	15	9	200	975	30
2 1/2	63	14	9	275	1350	30
3	76	12	9	310	1700	30
4	102	10	9	410	2600	30
6	152	9	9	610	5000	30

SUPERELASTIC PVC ASSEMBLIES

If you are fed up with lightweight, brittle green PVC assemblies then we thoroughly recommend our GSE – Superelastic PVC hose. This hose is made from a softer PVC compound which means it is:

- Much more flexible & easier to handle e.g. getting in and out of tanker trays
- Better on abrasion - this hose lasts a lot longer on abrasive sludge & slurry and light solids than standard kanaflex-type imitations
- It has a hard plastic outer helix - this protects the hose when being dragged on hard surfaces, so it lasts longer. It's also much easier to drag as the Helix allows it to skid along concrete, asphalt, pebbles etc..

We can make assemblies in any length up-to 30m and with any type of suitable end connection - all assemblies will be stainless-steel band strapped or we can swage if you want!



02 NON-TOXIC STEEL SPIRAL PVC

Order Ref: BWR-SIZE MM

TECHNICAL INFORMATION:

CONSTRUCTION: STRONG, VERY FLEXIBLE AND SMOOTH, NON-TOXIC, TRANSPARENT PLASTICIZED PVC, SHOCK RESISTANT GALVANISED SPIRAL, ABRASION AND WEATHER RESISTANT, SMOOTH OUTSIDE.

REINFORCEMENT: GALVANISED STEEL WIRE HELIX.

APPLICATION: FOR SUCTION AND DELIVERY OF WATER, MINERAL WATER, FRUIT JUICES, LIQUIDS.

TEMPERATURE RANGE: -5°C TO 60°C



INCH	MM	BAR	M.H2O	MM	GR/MT	MT
1/2	12	21	8.5	25	180	30/10
3/4	20	15	8.5	50	340	30/10
1	25	15	8.5	60	510	30/10
1 1/4	32	13	8.5	75	650	30/10
1 1/2	38	12	8.5	90	800	30/10
2	51	9	8	125	1200	30/10
2 1/2	63	7	7	150	1950	30/10
3	76	6	7	195	2500	30/10
4	102	6	6	300	3400	30/10

INTEGRVIN – NON-TOXIC CLEAR STEEL REINFORCED PVC ASSEMBLIES

A great problem solver as this hose offers great visibility of products being conveyed, is manufactured from food grade PVC and offers decent pressure and full vacuum rating. Integrvin - BWR is also very flexible and a sensible cost.

We manufacture assemblies in a vast permutation of bore sizes and overall lengths and can fit with virtually any hose coupling to suit your exact application.

PLEASE GIVE US A CALL AND WE PROMISE TO GET YOU A QUICK RESPONSE AND VERY COMPETITIVE OFFER FROM STOCK.



03 DRINKING WATER LAYFLAT

INTEGRAFLEX OFFER A RANGE OF DRINKING HOSES SUITABLE FOR SHORT TERM OR TEMPORARY BYPASS APPLICATIONS AS WELL AS DRINKING WATER HOSES WITH FULL WRAS APPROVAL.

TECHNICAL INFORMATION:

TYPE 2 AND TYPE 3 LAYFLAT DRINKING WATER HOSE

COVER: SYNTHETIC WOVEN POLYESTER JACKET.

LINING: WHITE NON TOXIC, NON-TAINT FOOD GRADE RUBBER LINING SUPPLIED AS STANDARD WITH ALLOY INSTANTANEOUS COUPLINGS BUT CAN BE SUPPLIED WITH OTHER FITTINGS ON REQUEST E.G. STORZ, BSP, NPT

CERTIFICATIONS AVAILABLE INCLUDE: WRC APPROVED TO BS6920 UK KTW APPROVAL - GERMANY W270 APPROVAL - GERMANY NSF 61 LISTING - USA

TEMPERATURE RANGE: -40°C TO +120°C

PLEASE CONTACT US FOR PRICE.



04 YELLOW LAYFLAT

Order Ref: YLF-SIZE MM

TECHNICAL INFORMATION:

TUBE: YELLOW PVC.

REINFORCEMENT: POLYESTER.

COVER: YELLOW PVC.

APPLICATION: CONVEYANCE AND DISCHARGE OF WATER. SUITABLE FOR IRRIGATION AND WATER SUPPLY APPLICATIONS.

TEMPERATURE RANGE: -15°C TO +55°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
2	51	-	6	90	18	270	-	36	100
3 1/2	89	-	6	90	18	270	-	55	100
4	102	-	6	90	18	270	-	75	100
6	153	-	6	90	18	270	-	160	100
8	203	-	6	90	18	270	-	100	100



BLUE LAYFLAT HOSE ASSEMBLIES

INTEGRAFLEX MANUFACTURE A WIDE RANGE OF ASSEMBLIES IN NUMEROUS LENGTHS, BORE SIZES AND FITTING PERMUTATIONS.

HOSES CAN BE PROOF PRESSURE TESTED ON REQUEST. TYPICALLY ASSEMBLIES ARE SECURED USING STAINLESS STEEL BANDING STRAPS, ALTHOUGH SWAGED OPTIONS ARE ALSO AVAILABLE.

05 BLUE LAYFLAT HOSE

Order Ref: BLF-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLUE PVC.

REINFORCEMENT: POLYESTER.

COVER: BLUE PVC.

APPLICATION: CONVEYANCE AND DISCHARGE OF WATER. SUITABLE FOR IRRIGATION AND WATER SUPPLY APPLICATIONS

TEMPERATURE RANGE: -15°C TO 65°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25	27.4	4	60	12	180	-	-	100-10
1 1/4	32	34.4	4	60	12	180	-	-	100-10
1 1/2	38	40.4	4	60	12	180	-	-	100-10
2	51	53.4	3.5	52	10.5	156	-	-	100-10
2 1/2	64	66.8	3.5	52	10.5	156	-	27	100-10
3	76	78.8	3.5	52	10.5	156	-	32	100-10
4	102	105.2	3.0	45	9	135	-	56	100-10
6	150	153.2	3.0	45	9	135	-	100	100-10
8	200	203.4	3.0	45	9	135	-	200	100-10

Call: 0114 321 0756

rubber suction hose

SWAGED ASSEMBLIES

For only a little extra, Integraflex can swage your Leverlock assemblies using specially designed swage bands. This gives a more secure and tamper-proof method of attachment and also means that we can test and certify the hose assemblies to higher proof pressure ratings, giving you TRACEABILITY and PEACE OF MIND.

We can also offer full swage ferrules and serrated tail Leverlocks for extra safety and integrity.



FLANGED ASSEMBLIES

In addition to standard leverlock, we manufacture assemblies with flanged hose tails, typically; PN16, ASA 150, ASA 300, and TABLE D/E although most flange tables are available.

Flanges are available in FIXED and SWIVEL options, swivel flanges being easier to align with pipework on site and can be supplied in MILD STEEL or STAINLESS STEEL GRADE 316/304



06 GREEN MEDIUM DUTY SUCTION & DELIVERY

Order Ref: GMD-SIZE MM

TECHNICAL INFORMATION:

CONSTRUCTION: STRONG, FLEXIBLE AND SMOOTH PLASTICISED PVC, SHOCK & CRUSH RESISTANT PVC SPIRAL, CHEMICAL AGENTS, ABRASION AND WEATHER RESISTANT, LIGHT CORRUGATED OUTSIDE.

REINFORCEMENT: WHITE NYLON SPIRAL.

APPLICATION: FOR MEDIUM DUTY SUCTION AND DELIVERY OF WATER, SALT WATER, LIGHT CHEMICALS, LIQUIDS, IN AGRICULTURAL, INDUSTRIAL APPLICATIONS AND CONSTRUCTION.

TEMPERATURE RANGE: -5°C TO +60°C



INCH	MM	BAR	M.H2O	MM	GR/MT	MT
1	25	27	8	140	480	10/20/30/50
1 1/4	32	24	8	150	580	30
1 1/2	38	24	8	180	670	10/30
2	51	21	8	220	975	6/10/20/30/50
2 1/2	63	20	8	260	1350	30
3	76	18	8	320	1700	6/10/20/30
4	102	14	7	400	2600	6/10/30
5	127	12	7	600	3650	30
6	152	9	7	800	5100	10/20/30
8	203	8	6	1250	7850	6

FAST SUPPLY!

WE HOLD LARGE STOCKS ON MANY OF OUR PRODUCTS SO YOU CAN BE CONFIDENT WE'LL HIT YOUR DEADLINES



07 10 BAR WATER SUCTION & DELIVERY

Order Ref: WSH-SIZE MM



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	GR/MT	MT
1	25.4	35	10	150	30	450	-0.93	153	776	30
1 1/4	32	42	10	150	30	450	-0.93	192	966	30
1 1/2	38	48	10	150	30	450	-0.93	228	1195	30
2	51	62	10	150	30	450	-0.93	306	1759	30
3	76.2	89	10	150	30	450	-0.93	458	2908	6/30
4	101.6	115	10	150	30	450	-0.93	610	4025	6/30
6	152.4	169	10	150	30	450	-0.93	915	8205	6/18
8	203.2	224	10	150	30	450	-0.93	1219	12544	6/3
10	254	275	10	150	30	450	-0.93	1524	15304	3
12	304.8	327	10	150	30	450	-0.93	1829	22034	3



08 10 BAR WATER SUCTION & DELIVERY ASSEMBLIES

TECHNICAL INFORMATION:

COMMONLY KNOWN AS 'WIRE ARMoured' HOSES, INTEGRAFLEX OFFER A STANDARD RANGE OF SIZES OFF THE SHELF;

10 BAR WATER S&D HOSE FITTED WITH MALE/FEMALE LEVERLOCKS - SECURED BY STAINLESS STEEL BANDING STRAPS
6M x 2", 6M x 3" - NOTE 3 - 3 1/2" LEVERLOCKS FITTED AS STANDARD, 3" FITTINGS ALSO AVAILABLE ON REQUEST
6M x 4", 3M x 6", 3M x 8"

We use good quality mandrel built rubber hose and leverlock couplings from a sustainable and highly reputable manufacturer. We can of course make hose assemblies to any length up to a maximum of 40m (30m on 152mm). We recommend that larger 10" and 12" hoses are supplied with swaged fittings due to the pressure and volume of fluid being transferred.

CALL OR E-MAIL US FOR VERY BEST PRICES & DELIVERY

TECHNICAL INFORMATION:

TUBE: NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE AND STEEL HELIX WIRE.

COVER: ABRASION AND WEATHER RESISTANT SYNTHETIC RUBBER.
APPLICATION: WATER SUCTION AND DISCHARGE IN INDUSTRIAL AND CONSTRUCTION SERVICES.

TEMPERATURE RANGE: -25°C TO +70°C



09 16 BAR WATER SUCTION & DELIVERY

Order Ref: WSH-16-SIZE MM

TECHNICAL INFORMATION:

FOR HIGHER WORKING PRESSURES WE CAN OFFER A TWIN WIRE-HELIX 16 BAR WORKING PRESSURE HOSE.

TUBE: NATURAL AND SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE AND 2 STEEL HELIX WIRE.

COVER: ABRASION AND WEATHER RESISTANT SYNTHETIC RUBBER.
TEMPERATURE RANGE: -25°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
4	102	118	16	232	48	696	500	4855	6/30
6	152	172	16	232	48	696	850	9390	3/30
8	203	228	16	232	48	696	1200	14880	3/20

sewer jetting and effluent hose



CASE STUDY

A national waste management company had an emergency requirement for an extremely long length of sewer jetting hose (320m) with no joins.

Within 24 hours Integralflex had manufactured the required length of hose and had devised and implemented an umbilical connection system that ensured that the hose could be retracted from the sewer pipes without loss or damage and withstand the extremely arduous working conditions.



01 HI - PRESSURE WATER BLASTING ASSEMBLIES

In several applications it is necessary to have regular cleaning operations to maintain the correct function and hygiene of machines, equipment or structures. For example the internal cleaning of tanks, silos, the removal of residues from heat exchangers and boilers of larger sizes, the cleaning and the removal of obstructions in large pipelines, the cleaning of hulls of vessels, the removal of old paint and gum deposits from roads and airport runways, etc.

Cleaning with high pressure water is, wherever possible, replacing more traditional systems which are often using detergents and solvents. The use of simple high pressure water allows a reduction of the steps necessary to restore the equipment and is in particular a method extremely respectful to the environment.

Integralflex work in conjunction with class-leading hose manufacturers to offer a range of waterblast hose assemblies that allow a working pressure up to 1040 bar with a safety factor of 2,5:1 and with the reinforcement structure and hose covering method allows you to operate safely even in environments in which a hose constructed in a more conventional way could easily be damaged.

PLEASE TALK TO US REGARDING YOUR SPECIFIC REQUIREMENTS



02 SEWER JETTING HOSE ASSEMBLIES

TECHNICAL INFORMATION:

Thermoplastic constant pressure hose for high pressure sewer cleaning applications up to 175 bar (2500 psi)

INNER TUBE: THERMOPLASTIC POLYMER.

REINFORCEMENT: TWO BRAIDS OF SYNTHETIC FIBRE.

COVER: POLYURETHANE - ORANGE - NON PINPRICKED - BLACK INK-JET BRANDING.

APPLICATIONS: STANDARD SEWER CLEANING VEHICLES AND APPLICATIONS - CLEANING EQUIPMENT USED IN HIGH HUMIDITY ENVIRONMENTS.

FEATURES: ORANGE COVER BONDED TO BRAID REINFORCEMENT FOR BETTER WEAR RESISTANCE AND LONGEVITY - AVAILABLE ON LONG LENGTHS - EXCELLENT CRUSH AND CUT RESISTANCE - LIGHTWEIGHT COMPARED TO RUBBER ALTERNATIVES - COVER RESISTANT AGAINST MICRO-BIOLOGICAL ATTACK - REDUCED BEND RADIUS - FAST OPERATING SPEEDS.

TEMPERATURE RANGE: -40 °C TO +60 °C.

DESCRIPTION: Hose specifically designed for working in humid conditions without degrading ensuring increased lifetime. Available with bsp fitting combinations. Factory made assemblies only.

PLEASE CONTACT Integralflex FOR FURTHER DETAILS



03 ECOLOGY 210 HD+ NEW & VERY FLEXIBLE

TECHNICAL INFORMATION:

Thermoplastic constant pressure hose for high pressure sewer cleaning applications up to 210 bar (3000 psi). Much improved flexibility over standard orange product making it easier to coil on hose reel.

INNER TUBE: THERMOPLASTIC POLYMER.

REINFORCEMENT: ONE OR TWO BRAIDS OF SYNTHETIC FIBRE PLUS ONE SPECIAL EXTRA BRAID OF SYNTHETIC FIBRE FOR COVER INTEGRATION.

COVER: POLYURETHANE - BLUE - NON PINPRICKED - BLACK INK-JET BRANDING.

APPLICATIONS: STANDARD SEWER CLEANING VEHICLES & APPLICATIONS - CLEANING EQUIPMENT USED IN HIGH HUMIDITY ENVIRONMENTS.

FEATURES: BLUE COVER IMPREGNATED INTO BRAID REINFORCEMENT FOR OPTIMUM WEAR RESISTANCE AND LONGEVITY - AVAILABLE ON LONG LENGTHS - EXCELLENT CRUSH AND CUT RESISTANCE - LIGHTWEIGHT COMPARED TO RUBBER ALTERNATIVES - COVER RESISTANT AGAINST MICRO-BIOLOGICAL ATTACK - REDUCED BEND RADIUS - FAST OPERATING SPEEDS

TEMPERATURE RANGE: -40 °C TO +60 °C

DESCRIPTION: Extremely wear resistant heavy duty sewer cleaning hose specifically designed for working in humid conditions without degrading ensuring increased lifetime. Available with bsp fitting combinations. Other end terminations upon request factory made assemblies only.



04 RUBBER SEWER CLEANING HOSE

TECHNICAL INFORMATION:

For high pressure sewer cleaning applications up to 250 bar (3600 psi).

INNER TUBE: RUBBER.

REINFORCEMENT: TEXTILE REINFORCEMENT.

COVER: ABRASION RESISTANT RUBBER.

APPLICATIONS: STANDARD SEWER CLEANING VEHICLES - CLEANING EQUIPMENT USED IN HIGH HUMIDITY ENVIRONMENTS.

FEATURES: BLACK COVER BONDED TO BRAID REINFORCEMENT - REDUCED BEND RADIUS - FAST OPERATING SPEEDS.

TEMPERATURE RANGE: -40°C TO +60°C.

DESCRIPTION: Hose specifically designed for being a section of hose to be attached to the front of the main jetting hose, acting as a sacrificial hose section, preserving the integrity and length of the main high pressure sewer cleaning hose. Available with bsp fitting combinations. Factory made assemblies only.

PLEASE CONTACT Integralflex Yorkshire FOR FURTHER DETAILS



05 TIGER TAIL EFFLUENT HOSE

Order Ref: TTH-SIZE-15

TECHNICAL INFORMATION:

TUBE: HEAVY WALLED SANITATION HOSE. EVA/POLYETHYLENE CO-POLYMER UNIQUE INTERLOCK CONSTRUCTION PROVIDES FOR EXTREME FLEXIBILITY AND KINK RESISTANCE. SMOOTH INTERIOR FOR OPTIMUM FLOW AND UNIQUE CRUSH RESISTANCE. AN EXTERNAL RIB PREVENTS DAMAGE FROM ABRASION

COVER: YELLOW AND BLACK STRIPE

APPLICATION: USED TO TRANSFER LIQUIDS/EFFLUENT FOR SANITATION AND CESSPOOL PURPOSES

TEMPERATURE RANGE: -40°C TO +60°C

AVAILABLE IN THE FOLLOWING SIZES

2" 51mm • 3" 76mm

TIGER TAIL HOSE IS AVAILABLE WITH FACTORY INSTALLED CUFFS OR IN BULK LENGTHS.

Call: 0114 321 0756

leverlock fittings

LEVER LOCK TYPE COUPLINGS



05 MALE x HOSE TAIL
(LEVER RING NOT INCLUDED)

GALVANISED	
PART#	SIZE
LLM2	2"
LLM3	3" t 3
LLM3.5	3" tail x 3-1/2"
LLM4	4"
LLM5	5"
LLM6	6"
LLM8	8"
LLM10	10"
LLM12	12"



07 FEMALE x HOSE TAIL

GALVANISED	
PART#	SIZE
LLF2	2"
LLF3	3" tail x 3
LLF3.5	3" tail x 3-1/2"
LLF4	4"
LLF5	5"
LLF6	6"
LLF8	8"
LLF10	10"
LLF12	12"



09 FEMALE & MALE ENLARGER

PART#	SIZE
LLF2M3.5	2"F x 3.5"M
LLF3.5M4	3.5"F x 4"M
LLF4M6	4"F x 6"M
LLF6M8	6"F x 8"M



12 MALE PART WITH MALE THREAD

PART#	SIZE
LLM2M	50mm x 2"
*LLM3M	76mm x 3"
LLM3.5M	89mm x 3"
LLM4M	108mm x 4"
LLM5M	133mm x 5"
LLM6M	159mm x 6"
Including handles.	
*Note this item includes captive closure ring.	



15 END PLUG MALE PART

PART#	SIZE
LLM2CAP	50mm
LLM3CAP	76mm
LLM3.5CAP	89mm
LLM4CAP	108mm
LLM5CAP	133mm
LLM6CAP	159mm
LLM8CAP	194mm
Including handles.	



17 FLANGED ADAPTORS MALE

PART#	SIZE	FLANGE
MFA200 D/E	2"	D/E
MFA300 D/E	3.1/2"	D/E
MFA400 D/E	4"	D/E
MFA600 D	6"	D
MFA800 D	8"	D
MFA200 PN16	2"	PN16
MFA300 PN16	3"	PN16
MFA350 PN16	3.1/2"	PN16
MFA400 PN16	4"	PN16
MFA600 PN16	6"	PN16
MFA800 PN16	8"	PN16



06 LEVER RING

GALVANISED	
PART#	SIZE
LLR2	2"
LLR3	3" tail x 3
LLR3.5	3" tail x 3-1/2"
LLR4	4"
LLR5	5"
LLR6	6"
LLR8	8"
LLR10	10"
LLR12	12"



08 LEVER LOCK RUBBER 'O' RING

PART#	SIZE
LLO2	2"
LLO3	3" tail x 3
LLO3.5	3" tail x 3-1/2"
LLO4	4"
LLO5	5"
LLO6	6"
LLO8	8"
LLO10	10"
LLO12	12"



10 FEMALE & MALE REDUCER

PART#	SIZE
LLF3.5M2	3.5"F x 2"M
LLF4M3.5	4"F x 3.5"M
LLF6M4	6"F x 4"M
LLF8M6	8"F x 6"M



13 FEMALE PART WITH MALE THREAD

PART#	SIZE
LLF2M	50mm x 2"
LLF3M	76mm x 3"
LLF3.5M	89mm x 3"
LLF4M	108mm x 4"
LLF5M	133mm x 5"
LLF6M	159mm x 6"
Including rubber ring.	



16 END CAP FEMALE PART

PART#	SIZE
LLF2CAP	50mm
LLF3CAP	76mm
LLF3.5CAP	89mm
LLF4CAP	108mm
LLF5CAP	133mm
LLF6CAP	159mm
LLF8CAP	194mm"
Including rubber ring.	



18 FLANGED ADAPTORS FEMALE x FLANGE

PART#	SIZE	FLANGE
FFA200 D/E	2"	D/E
FFA300 D/E	3.1/2"	D/E
FFA400 D/E	4"	D/E
FFA600 D	6"	D
FFA800 D	8"	D
FFA200 PN16	2"	PN16
FFA300 PN16	3"	PN16
FFA350 PN16	3.1/2"	PN16
FFA400 PN16	4"	PN16
FFA600 PN16	6"	PN16
FFA800 PN16	8"	PN16



11 GALVANISED STEEL FOOT VALVE

CAPACITY			
PART#	SIZE	Ø	M3/HR
LLM2FV	HK 50	50mm	20
LLM3.5FV	HK 89	89mm	40
LLM4FV	HK 108	108mm	75
LLF6FV	HK 159	159mm	180



14 T-PIECE COMPLETED AS ILLUSTRATED

PART#	SIZE FEMALE - 2 x MALE
LLF4TMM	108mm
LLF6TMM	159mm

BAUER COMPATIBLE

Integraflex Leverlock fittings are supplied by a consistent quality approved source.

PEROT FITTINGS



01 PEROT FITTING

Integraflex stock a range of European Perot fittings which can be quickly and economically fitted into an appropriate hose of choice, depending on the application.

CUSTOMISED ADAPTORS

We supply a huge array of specialist adaptors that can prove invaluable for tanker operators/pump companies that operate across multiple sites with various inlet/outlet permutations.

POPULAR ADAPTORS

URT X BSP
URT X BAUER
FLANGE X URT
FLANGE X BSP
FLANGE X BAUER
FLANGE X FLANGE



Available in a number of materials including STAINLESS STEEL, POLYPROPYLENE, MILD STEEL and ALUMINIUM



HOSE REPAIRERS



02 AVAILABLE IN MILD STEEL, STAINLESS STEEL & ALUMINIUM

PART#	SIZE
HM50	1/2"
HM58	5/8"
HM75	3/4"
HM100	1"
HM125	1.1/4"
HM150	1.1/2"
HM200	2"
HM250	2.1/2"
HM300	3"
HM400	4"
HM500	5"
HM600	6"
HM800	8"
HM1000	10"
HM1200	12"



03 TIN CAN STRAINERS

PART#	SIZE
TS100	1"
TS150	1-1/2"
TS200	2"
TS250	2-1/2"
TS300	3"
TS400	4"
TS600	6"
TS800	8"

FLANGED HOSE TAILS



04 MILD STEEL

	TABLE D/E	ASA 150	PN16
SIZE	PART#	PART#	PART#
3/4"	75FDE	75FA	75FP
1"	100FDE	100FA	100FP
1.1/4"	125FDE	125FA	125FP
1.1/2"	150FDE	150FA	150FP
2"	200FDE	200FA	200FP
2.1/2"	250FDE	250FA	250FP
3"	300FDE	300FA	300FP
4"	400FDE	400FA	400FP
5"	500FDE	500FA	500FP
6"	600FDE	600FA	600FP
8"	800FDE	800FA	800FP
10"	1000FDE	1000FA	1000FP
12"	1200FDE	1200FA	1200FP



05 STAINLESS STEEL

	TABLE D/E	ASA 150	PN16
SIZE	PART#	PART#	PART#
1"	S100FDE	S100FA	S100FP
1.1/4"	S125FDE	S125FA	S125FP
1.1/2"	S150FDE	S150FA	S150FP
2"	S200FDE	S200FA	S200FP
2.1/2"	S250FDE	S250FA	S250FP
3"	S300FDE	S300FA	S300FP
4"	S400FDE	S400FA	S400FP
6"	S600FDE	S600FA	S600FP

flanges-BSP-URT

COUPLINGS



06 ALUMINIUM MALE URT THREAD

PART#	SIZE
GM3AL	3"
GM4AL	4"



09 ALUMINIUM FEMALE URT THREAD

PART#	SIZE
GF3AL	3"
GF4AL	4"



12 BRASS MALE BSPP

PART#	SIZE
BLM50	1/2"
BLM75	3/4"
BLM100	1"
BLM125	1.1/4"
BLM150	1.1/2"
BLM200	2"
BLM250	2.1/2"
BLM300	3"
BLM400	4"
BLM600	6"



07 POLYPROPYLENE MALE URT THREAD

PART#	SIZE
GM3PP	3"
GM4PP	4"



10 POLYPROPYLENE FEMALE URT THREAD

PART#	SIZE
GF3PP	3"
GF4PP	4"



08 POLYPROPYLENE MALE BSPP

PART#	SIZE
PLM150	1.1/2"
PLM200	2"
PLM250	2.1/2"
PLM300	3"
PLM400	4"



11 POLYPROPYLENE FEMALE BSPP

PART#	SIZE
PLF150	1.1/2"
PLF200	2"
PLF250	2.1/2"
PLF300	3"
PLF400	4"



13 BRASS FEMALE BSPP

PART#	SIZE
BLF50	1/2"
BLF75	3/4"
BLF100	1"
BLF125	1.1/4"
BLF150	1.1/2"
BLF200	2"
BLF250	2.1/2"
BLF300	3"
BLF400	4"
BLF600	6"

hose clips & clamping

STRAPPING



14 BUCKLES

PART#	SIZE
C252	1/4"
C253	3/8"
C254	1/2"
C255	5/8"
C256	3/4"
Supplied in Box QTY (100 per box)	



15 201 GRADE STAINLESS STEEL STRAPPING

PART#	SIZE
C202	1/4"
C203	3/8"
C204	1/2"
C205	5/8"
C206	3/4"
Supplied in 100FT (30.5m)	



16 TOOLS

PART#	O.D.
C001	BAND-IT TOOL – Suitable for use with strap & buckle
J001	JUNIOR ADAPTOR – used with the C001 for use with preformed clips
C002	JUNIOR TOOL – scaled down version of C001 for use with preformed clips
J930	CUTTER BLADE KIT – for use with J001 tool
C006	TENSION SCREW HANDLE KIT – replacement for C001
C016	BEARING – replacement for C001
G402	GIANT BAND TOOL
C400	RACHET TOOL – for use with Bands up to 3/4" (19.05mm) wide
C065	TENSION LIMITER – provides consistent clamp tension for use with C001 BAND-IT Tool
J020	POK-IT TOOL – for use with 1/4" (6.35mm) or 3/8" (9.53mm) Bands, Ear-Lokt, Scru-Lokt, Jr. and Free-End Clamps. Built-in cutter
J075	THRIFT TOOL – for use with 1/4" (6.35mm) or 3/8" (9.53mm) Bands. Also Free-End and Jr Clamps. Use a 1/2" (12.7mm) wrench to tension
C003	Heavy Duty Tool
<ul style="list-style-type: none"> • Used for securing signs, pipe insulation, cable bundling and a variety of other lightweight fastening applications. • A non-magnetic Stainless Steel strapping. • Excellent corrosion resistance. 	

TORQUE CLIPS



17 WORM DRIVE CLIPS STAINLESS STEEL

PART#	SIZE
SWD4	5/8" (7-16mm)
SWD6	3/4" (10-19mm)
SWD8	7/8" (10-23mm)
SWD10	1-1/16" (13-27mm)
SWD12	1-1/4" (16-32mm)
SWD16	1-1/2" (21-38mm)
SWD20	1-3/4" (19-44mm)
SWD24	2" (32-51mm)
SWD28	2-1/4" (38-57mm)
SWD32	2-1/2" (40-64mm)
SWD34	2-3/4" (46-70mm)
SWD40	3" (57-76mm)
SWD44	3-1/4" (67-83mm)
SWD48	3-1/2" (65-89mm)
SWD52	3-3/4" (72-95mm)
SWD56	4" (78-102mm)
SWD60	4-1/4" (84-108mm)
SWD64	4-1/2" (91-115mm)
SWD72	5" (105-127mm)
SWD80	5-1/2" (118-140mm)
SWD88	6" (130-153mm)
SWD104	7" (153-180mm)
SWD128	8" (165-203mm)

SUPERIOR CLAMPS



18 CARBON STEEL ZINC PLATED

PART#	SIZE	PART#	SIZE
S19	17-19mm	S91	86-91mm
S22	20-22mm	S97	92-97mm
S25	23-25mm	S103	98-103mm
S28	26-28mm	S112	104-112mm
S31	29-31mm	S121	113-121mm
S35	32-35mm	S130	122-130mm
S39	36-39mm	S139	131-139mm
S43	40-43mm	S148	140-148mm
S47	44-47mm	S161	149-161mm
S51	48-51mm	S174	162-174mm
S55	52-55mm	S187	175-187mm
S59	56-59mm	S200	188-200mm
S63	60-63mm	S213	201-213mm
S67	64-67mm	S226	214-226mm
S73	68-73mm	S239	227-239mm
S79	74-79mm	S252	240-252mm"
S85	80-85mm		

WORM DRIVE CLIPS



19 ZEBRA CLIP

PART#	SIZE#	BS#	SIZE
ZC16	M00	16	3/8-5/8" (10-16mm)
ZC20	00	20	1/2-3/4" (12-20mm)
ZC25	0X	25	5/8-1" (16-25mm)
ZC32	1	32	3/4-1-1/4" (20-32mm)
ZC40	1X	40	1-1-5/8" (25-40mm)
ZC50	2A	50	1-1/4-2" (32-50mm)
ZC60	2X	60	1-5/8-2-3/8" (40-60mm)
ZC70	3	70	2-2-3/4" (50-70mm)
ZC80	3X	80	2-3/8-3-1/8" (60-80mm)
ZC90	4	90	2-3/4-3-1/2" (70-90mm)
ZC100	4X	100	3-1/8-4" (80-100mm)
ZC110		110	3-1/2-4-3/8" (90-110mm)
ZC120	5	120	4-4-3/4" (100-120mm)
ZC130		130	4-3/8-5-1/8" (110-130mm)
ZC140	6	140	4-3/4-5-1/2" (120-140mm)
ZC150	6X	150	5-1/8-5-7/8" (130-150mm)
ZC160	7	160	5-1/2-6-1/4" (140-160mm)

brass cam couplings

BRASS

Most commonly used for steel works, offshore, inks and dyes, and foul water waste because of its resistance to salt or contaminated water.

General Process

- Chemicals
- Inks, Dyes
- Water
- Petroleum
- Pharmaceuticals
- Cosmetics
- Foodstuffs

SMOOTH TAILS



01 FEMALE COUPLER x HOSE TAIL BRASS

SIZE	PART#
1"	C100BRST
1 1/4"	C125BRST
1 1/2"	C150BRST
2"	C200BRST
2 1/2"	C250BRST
3"	C300BRST
4"	C400BRST



02 MALE ADAPTOR x HOSE TAIL BRASS

SIZE	PART#
1"	E100BRST
1 1/4"	E125BRST
1 1/2"	E150BRST
2"	E200BRST
2 1/2"	E250BRST
3"	E300BRST
4"	E400BRST

PART A		PART B		PART C		PART D	
							
Type A (Bsp/npt)		Type B (BspT/npt)		Type C Hose Tail		Type D (Bsp/npt)	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
1/2"	A50BR	1/2"	B50BR	1/2"	C50BR	1/2"	D50BR
3/4"	A75BR	3/4"	B75BR	3/4"	C75BR	3/4"	D75BR
1"	A100BR	1"	B100BR	1"	C100BR	1"	D100BR
1-1/4"	A125BR	1-1/4"	B125BR	1-1/4"	C125BR	1-1/4"	D125BR
1-1/2"	A150BR	1-1/2"	B150BR	1-1/2"	C150BR	1-1/2"	D150BR
2"	A200BR	2"	B200BR	2"	C200BR	2"	D200BR
2-1/2"	A250BR	2-1/2"	B250BR	2-1/2"	C250BR	2-1/2"	D250BR
3"	A300BR	3"	B300BR	3"	C300BR	3"	D300BR
4"	A400BR	4"	B400BR	4"	C400BR	4"	D400BR
5"	A500BR	5"	B500BR	5"	C500BR	5"	D500BR
6"	A600BR	6"	B600BR	6"	C600BR	6"	D600BR
PART E		PART F		PART DC		PART DP	
							
Type E Hose Tail		Type F (BspT/npt)		Type DC Dust Cap		Type DP Dust Plug	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
1/2"	E50BR	1/2"	F50BR	1/2"	DC50BR	1/2"	DP50BR
3/4"	E75BR	3/4"	F75BR	3/4"	DC75BR	3/4"	DP75BR
1"	E100BR	1"	F100BR	1"	DC100BR	1"	DP100BR
1-1/4"	E125BR	1-1/4"	F125BR	1-1/4"	DC125BR	1-1/4"	DP125BR
1-1/2"	E150BR	1-1/2"	F150BR	1-1/2"	DC150BR	1-1/2"	DP150BR
2"	E200BR	2"	F200BR	2"	DC200BR	2"	DP200BR
2-1/2"	E250BR	2-1/2"	F250BR	2-1/2"	DC250BR	2-1/2"	DP250BR
3"	E300BR	3"	F300BR	3"	DC300BR	3"	DP300BR
4"	E400BR	4"	F400BR	4"	DC400BR	4"	DP400BR
5"	E500BR	5"	F500BR	5"	DC500BR	5"	DP500BR
6"	E600BR	6"	F600BR	6"	DC600BR	6"	DP600BR

stainless steel cam couplings

SAFETY LOCK



STAINLESS STEEL

Widely used in food, chemical and pharmaceutical plants where a high quality hygiene fitting is required. Safety features are available for high risk applications.

General Process

- Chemicals
- Inks, Dyes
- Water
- Petroleum
- Pharmaceuticals
- Cosmetics
- Foodstuffs

Lockable cam couplings incorporate a small spring loaded pin built into the cam arm. This range connects to any adaptor parts (A, E or F) and once engaged, automatically snap into place thereby securing the coupler to the adaptor. This prevents accidental disconnection and helps protect the operator from product spillage. The mechanism is released by a small push button built into the cam body. Because they are manufactured to the MIL specification, they will interchange with other suppliers. Due to the neat design, the locking mechanism is inobtrusive and eliminates the problem sometimes encountered with other makers of this safety product.

MISCELLANEOUS STAINLESS STEEL COUPLINGS



03 STAINLESS STEEL FLANGED ADAPTOR (FLA)

	ASA 150	PN 16
SIZE	PART#	PART#
3/4"	75A150	75ANP
1"	100A150	100ANP
1 1/4"	125A150	125ANP
1 1/2"	150A150	150ANP
2"	200A150	200ANP
2 1/2"	250A150	250ANP
3"	300A150	300ANP
4"	400A150	400ANP



04 STAINLESS STEEL FLANGED COUPLER (FLB)

	ASA 150	PN 16
SIZE	PART#	PART#
3/4"	75C150	75CNP
1"	100C150	100CNP
1 1/4"	125C150	125CNP
1 1/2"	150C150	150CNP
2"	200C150	200CNP
2 1/2"	250C150	250CNP
3"	300C150	300CNP
4"	400C150	400CNP

Any flange & cam combination can be fabricated to order. Materials available include Brass, Aluminium & Polypropylene.

PART A		PART B		PART C		PART D	
Type A (Bsp/npt)		Type B (BspT/npt)		Type C Hose Tail		Type D (Bsp/npt)	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
1/2"	A50SS	1/2"	B50SS	1/2"	C50SS	1/2"	D50SS
3/4"	A75SS	3/4"	B75SS	3/4"	C75SS	3/4"	D75SS
1"	A100SS	1"	B100SS	1"	C100SS	1"	D100SS
1-1/4"	A125SS	1-1/4"	B125SS	1-1/4"	C125SS	1-1/4"	D125SS
1-1/2"	A150SS	1-1/2"	B150SS	1-1/2"	C150SS	1-1/2"	D150SS
2"	A200SS	2"	B200SS	2"	C200SS	2"	D200SS
2-1/2"	A250SS	2-1/2"	B250SS	2-1/2"	C250SS	2-1/2"	D250SS
3"	A300SS	3"	B300SS	3"	C300SS	3"	D300SS
4"	A400SS	4"	B400SS	4"	C400SS	4"	D400SS
5"	A500SS	5"	B500SS	5"	C500SS	5"	D500SS
6"	A600SS	6"	B600SS	6"	C600SS	6"	D600SS
PART E		PART F		PART DC		PART DP	
Type E Hose Tail		Type F (BspT/npt)		Type DC Dust Cap		Type DP Dust Plug	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
1/2"	E50SS	1/2"	F50BR	1/2"	DC50SS	1/2"	DP50SS
3/4"	E75SS	3/4"	F75BR	3/4"	DC75SS	3/4"	DP75SS
1"	E100SS	1"	F100BR	1"	DC100SS	1"	DP100SS
1-1/4"	E125SS	1-1/4"	F125BR	1-1/4"	DC125SS	1-1/4"	DP125SS
1-1/2"	E150SS	1-1/2"	F150BR	1-1/2"	DC150SS	1-1/2"	DP150SS
2"	E200SS	2"	F200BR	2"	DC200SS	2"	DP200SS
2-1/2"	E250SS	2-1/2"	F250BR	2-1/2"	DC250SS	2-1/2"	DP250SS
3"	E300SS	3"	F300BR	3"	DC300SS	3"	DP300SS
4"	E400SS	4"	F400BR	4"	DC400SS	4"	DP400SS
5"	E500SS	5"	F500BR	5"	DC500SS	5"	DP500SS
6"	E600SS	6"	F600BR	6"	DC600SS	6"	DP600SS

polypropylene cam couplings

POLYPROPYLENE

A general purpose coupling with light weight and strength. Ideal for use in agricultural applications such as sprayers or in industry for chemical transfer where acid resistance is critical.

General Process

- Chemicals
- Pharmaceuticals
- Inks, Dyes
- Cosmetics
- Water
- Foodstuffs
- Petroleum

STUBBY VALVE



01 2" STANDARD PORT CAM & GROOVE BALL VALVES

PART#	DESCRIPTION
VSF204FP	2" MALE ADAPTOR x 2" FEMALE NPT THREAD
VSMF204FP	2" MALE ADAPTOR x 2" MALE NPT THREAD

90 DEGREE ELBOWS



ITEM	PART#	DESCRIPTION
A	150A90	90° MALE ADAPTOR 1.1/2" FEMALE THREAD
C	150C90	90° FEMALE COUPLER 1.1/2" HOSE SHANK
D	150D90	90° FEMALE COUPLER 1.1/2" FEMALE THREAD
F	150F90	90° MALE ADAPTOR 1.1/2" MALE THREAD
A	200A90	90° MALE ADAPTOR 2" FEMALE THREAD
C	200C90	90° FEMALE COUPLER 2" HOSE SHANK
D	200D90	90° FEMALE COUPLER 2" FEMALE THREAD
F	200F90	90° MALE ADAPTOR 2" MALE THREAD

BUTTRESS THREADS



02 POLYPROPYLENE BUTTRESS + BSP THREAD

SIZE	PART#
1-1/2"	IBC15PP
2x1"	IBC2-1PP
2"	IBC2PP



03 POLYPROPYLENE IBC BUTTRESS THREAD

SIZE	PART#
1.1/2"	A150PPBU
2"	A200PPBU

PART A		PART B		PART C		PART D	
							
Type A (Bspp/npt)		Type B (Bspt/npt)		Type C Hose Tail		Type D (Bspp/npt)	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
3/4"	A75PP	3/4"	B75PP	3/4"	C75PP	3/4"	D75PP
1"	A100PP	1"	B100PP	1"	C100PP	1"	D100PP
1-1/4"	A125PP	1-1/4"	B125PP	1-1/4"	C125PP	1-1/4"	D125PP
1-1/2"	A150PP	1-1/2"	B150PP	1-1/2"	C150PP	1-1/2"	D150PP
2"	A200PP	2"	B200PP	2"	C200PP	2"	D200PP
3"	A300PP	3"	B300PP	3"	C300PP	3"	D300PP
4"	A400PP	4"	B400PP	4"	C400PP	4"	D400PP
PART E		PART F		PART DC		PART DP	
							
Type E Hose Tail		Type F (BspT/npt)		Type DC Dust Cap		Type DP Dust Plug	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
3/4"	E75PP	3/4"	F75PP	3/4"	DC75PP	3/4"	DP75PP
1"	E100PP	1"	F100PP	1"	DC100PP	1"	DP100PP
1-1/4"	E125PP	1-1/4"	F125PP	1-1/4"	DC125PP	1-1/4"	DP125PP
1-1/2"	E150PP	1-1/2"	F150PP	1-1/2"	DC150PP	1-1/2"	DP150PP
2"	E200PP	2"	F200PP	2"	DC200PP	2"	DP200PP
3"	E300PP	3"	F300PP	3"	DC300PP	3"	DP300PP
4"	E400PP	4"	F400PP	4"	DC400PP	4"	DP400PP

aluminium cam couplings

ALUMINIUM

Mainly used in water irrigation, oil, petroleum, flight refuelling and solid transfer applications.

General Process

- Chemicals
- Inks, Dyes
- Water
- Petroleum
- Pharmaceuticals
- Cosmetics
- Foodstuffs



04 CHAIN AND RINGS

ITEM	PART#
LOCK PIN	CGP
STAINLESS STEEL CHAIN	SS12CH
BRASS CHAIN	36310

MISCELLANEOUS COUPLINGS AND SPARES



05 REPLACEMENT HANDLES - INCLUDES RING & PIN STAINLESS STEEL AND BRASS









SIZE	STAINLESS STEEL PART#	BRASS PART#
3/4"	CH75SS	CH75BR
1"	CH100SS	CH100BR
1.1/4" - 2.1/2"	CH200SS	CH200BR
3" - 5"	CH300SS	CH300BR
6"	CH600SS	CH600BR

SPARE GASKETS

06 SPARE GASKETS

SIZE	BUNA N PART#	VITON A PART#	EPR PART#	TEFLON BUNA FILLER PART#	TEFLON VITRON FILLER PART#	FEP ENCAPSULATED PART#
1/2"	50B	50V	50E	50TB	50TV	
3/4"	75B	75V	75E	75TB	75TV	
1"	100B	100V	100E	100TB	100TV	100FEP
1 1/2"	125B	125V	125E	125TB	125TV	
2"	150B	150V	150E	150TB	150TV	150FEP
2 1/2"	200B	200V	200E	200TB	200TV	200FEP
3"	300B	300V	300E	300TB	300TV	
4"	400B	400V	400E	400TB	400TV	
5"	500B	500V	500E	500TB	500TV	
6"	600B	600V	600E	600TB	600TV	



PART A		PART B		PART C		PART D	
							
Type A (Bspp/npt)		Type B (Bspt/npt)		Type C Hose Tail		Type D (Bspp/npt)	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
1/2"	A50AL	1/2"	B50AL	1/2"	C50AL	1/2"	D50AL
3/4"	A75AL	3/4"	B75AL	3/4"	C75AL	3/4"	D75AL
1"	A100AL	1"	B100AL	1"	C100AL	1"	D100AL
1-1/4"	A125AL	1-1/4"	B125AL	1-1/4"	C125AL	1-1/4"	D125AL
1-1/2"	A150AL	1-1/2"	B150SS	1-1/2"	C150AL	1-1/2"	D150AL
2"	A200AL	2"	B200AL	2"	C200AL	2"	D200AL
2-1/2"	A250AL	2-1/2"	B250AL	2-1/2"	C250AL	2-1/2"	D250AL
3"	A300AL	3"	B300AL	3"	C300AL	3"	D300AL
4"	A400AL	4"	B400AL	4"	C400AL	4"	D400AL
5"	A500AL	5"	B500AL	5"	C500AL	5"	D500AL
6"	A600AL	6"	B600AL	6"	C600AL	6"	D600AL
PART E		PART F		PART DC		PART DP	
							
Type E Hose Tail		Type F (BspT/npt)		Type DC Dust Cap		Type DP Dust Plug	
SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
1/2"	E50AL	1/2"	F50AL	1/2"	DC50AL	1/2"	DP50AL
3/4"	E75AL	3/4"	F75AL	3/4"	DC75AL	3/4"	DP75AL
1"	E100AL	1"	F100AL	1"	DC100AL	1"	DP100AL
1-1/4"	E125AL	1-1/4"	F125AL	1-1/4"	DC125AL	1-1/4"	DP125AL
1-1/2"	E150AL	1-1/2"	F150AL	1-1/2"	DC150AL	1-1/2"	DP150AL
2"	E200AL	2"	F200AL	2"	DC200AL	2"	DP200AL
2-1/2"	E250AL	2-1/2"	F250AL	2-1/2"	DC250AL	2-1/2"	DP250AL
3"	E300AL	3"	F300AL	3"	DC300AL	3"	DP300AL
4"	E400AL	4"	F400AL	4"	DC400AL	4"	DP400AL
5"	E500AL	5"	F500AL	5"	DC500AL	5"	DP500AL
6"	E600AL	6"	F600AL	6"	DC600AL	6"	DP600AL

composite tanker hose



01 CHEMICAL HOSE PG (EN13765:2010)

TECHNICAL INFORMATION:

CONSTRUCTION: INTEGRAFLEX CHEMICAL HOSE IS MANUFACTURED FROM POLYPROPYLENE FABRICS AND FILMS WITH A WEATHER PROOF ABRASION RESISTANT GREY OUTER COVER. REINFORCED WITH POLYPROPYLENE COATED INNER WIRE AND GALVANISED EXTERNAL WIRES. INTEGRAFLEX CHEMICAL HOSE CAN BE MANUFACTURED WITH A STAINLESS STEEL INNER WIRE OR OUTER WIRE FOR SPECIALIST APPLICATIONS.

APPLICATION: INTEGRAFLEX CHEMICAL HOSES ARE DESIGNED FOR SUCTION AND DISCHARGE OF A WIDE RANGE OF CHEMICALS AND ACIDS ALKALIS AND CAN BE USED FOR ROAD TANKER LOADING AND OFFLOADING IN PLANT APPLICATIONS WHERE A ROBUST FLEXIBLE HOSE IS REQUIRED WITH A PROVEN SAFETY RECORD.

TEMPERATURE RANGE: -30°C TO +80°C



INCH	MM	BAR	PSI	INCH	MM	KGM
1	25	14	200	4	100	0.8
1 1/2	38	14	200	5	125	1.2
2	50	14	200	7	150	1.9
2 1/2	65	14	200	8	180	2.5
3	75	14	200	11	280	3.0
4	102	14	200	15	395	5.2



02 PTFE HOSE SG (EN13765:2010)

TECHNICAL INFORMATION:

CONSTRUCTION: MANUFACTURED WITH P.T.F.E BORE FABRICS AND FILMS, WEATHER PROOF ABRASION RESISTANT RED AND YELLOW OUTER COVER. REINFORCED WITH 316 STAINLESS STEEL INNER WIRE AND GALVANISED EXTERNAL WIRES. INTEGRAFLEX P.T.F.E HOSE IS ALSO AVAILABLE WITH 316 STAINLESS STEEL INNER AND OUTER WIRES FOR AGGRESSIVE ENVIRONMENTS.

APPLICATION: FOR SUCTION AND DISCHARGE OF AGGRESSIVE CHEMICAL AND SOLVENTS AT HIGHER TEMPERATURES. MANUFACTURED USING P.T.F.E AND 316 STAINLESS STEEL INNER WIRES TO GIVE MAXIMUM CHEMICAL RESISTANCE. EXTENSIVELY USED FOR ROAD TANKER LOADING AND OFFLOADING IN PLANT APPLICATIONS WHERE A ROBUST FLEXIBLE HOSE IS REQUIRED WITH A PROVEN SAFETY RECORD.

TEMPERATURE RANGE: -30°C TO +115°C



INCH	MM	BAR	PSI	INCH	MM	KGM
1	25	14	200	4	100	0.8
1 1/2	38	14	200	5	125	1.2
2	50	14	200	7	150	1.9
2 1/2	65	14	200	8	180	2.5
3	75	14	200	11	280	3.0
4	102	14	200	15	395	5.2



03 OIL & HYDROCARBON HOSE GG (EN13765:2010)

TECHNICAL INFORMATION:

CONSTRUCTION: INTEGRAFLEX OIL IS MANUFACTURED FROM POLYPROPYLENE FABRICS AND FILMS, IN ADDITION THEY HAVE A WEATHER PROOF ABRASION RESISTANT BLUE OUTER COVER REINFORCED WITH GALVANISED INTERNAL AND EXTERNAL WIRES.

APPLICATION: INTEGRAFLEX OIL HOSES ARE DESIGNED FOR SUCTION AND DISCHARGE OF LEADED & UNLEADED PETROL, DIESEL LUBRICATING OILS, FUEL OILS AND HYDROCARBONS WITH 100% AROMATIC CONTENT.

TEMPERATURE RANGE: -30°C TO +80°C



INCH	MM	BAR	PSI	INCH	MM	KGM
1	25	10.5	150	4	100	0.8
1 1/2	38	10.5	150	5	125	1.1
2	50	10.5	150	6	150	1.6
2 1/2	65	10.5	150	7	180	2.1
3	75	10.5	150	8	205	2.5
4	102	10.5	150	10.5	265	3.6



04 ORANGE LIGHTWEIGHT FUEL HOSE AG (EN13765:2010)

TECHNICAL INFORMATION:

CONSTRUCTION: INTEGRAFLEX LIGHTWEIGHT IS MANUFACTURED FROM POLYPROPYLENE FABRICS AND FILMS, IN ADDITION THEY HAVE A WEATHER PROOF ABRASION RESISTANT ORANGE OUTER COVER REINFORCED WITH ALUMINIUM INTERNAL AND GALVANISED EXTERNAL WIRES ALLOWING A CONSIDERABLE WEIGHT SAVING IN THE HOSE MAKING IT IDEAL FOR PETROL FORECOURT DELIVERIES WHERE A LARGE BORE LIGHT ROBUST HOSE IS REQUIRED.

APPLICATION: LIGHTWEIGHT FUEL HOSES ARE DESIGNED FOR SUCTION AND DISCHARGE OF LEADED & UNLEADED PETROL, DIESEL, FUEL OILS, HYDROCARBONS WITH 100% AROMATIC CONTENT AND AVIATION SPIRIT.

TEMPERATURE RANGE: -30°C TO +80°C



INCH	MM	BAR	PSI	INCH	MM	KGM
2 1/2	65	10.5	150	4	100	1.6
3	75	10.5	150	5	125	2
4	102	10.5	150	6	150	2.7

Integraflex supply composite assemblies with a wide range of factory fitted couplings:

- BSP - Male & Female SS & Gunmetal
- CAM & GROOVE* - Couplers and Adaptors
- FLANGES** - ASA150, Table D/E, PN16, TTMA
- VAPOUR RECOVERY CAM - With/without probe, self sealing
- DRY BREAK - EMCO Wheaton/Avery Hardoll Compatible

* Available in Stainless Steel, Alloy, Polyprop. & Gunmetal

** Available in Stainless Steel, Mild Steel & Polyprop.



05 INTEGRAFLEX SHIP TO SHORE RANGE

TECHNICAL INFORMATION:

CONSTRUCTION: INTEGRAFLEX SHIP TO SHORE HOSES WITH POLYPROPYLENE CONSTRUCTION ARE RESISTANT TO A WIDE RANGE OF FUELS AND SOLVENTS. PRESSURE SAFETY FACTOR 5:1 FOR APPLICATIONS OF A MORE CORROSIVE, ACIDIC AND SEARCHING SOLVENT NATURE, INTEGRAFLEX SHIP TO SHORE IS AVAILABLE WITH A P.T.F.E LINING AND POLYPROPYLENE COVERED OR STAINLESS STEEL INNER WIRES.

• MANUFACTURED TO MEET BS 5842 1980 (BS EN 13765:2003) US COASTGUARD IMO STANDARDS.

• A WIDE RANGE OF FACTORY FITTED END FITTINGS ARE AVAILABLE FOR THIS PRODUCT RANGE. THESE FITTINGS FEATURE A HELICAL SWAGING TAIL ENSURING ELECTRICAL CONTINUITY IS ACHIEVED ACROSS THE LENGTH OF THE HOSE ASSEMBLY.

• MAXIMUM MANUFACTURED LENGTH 25 MTRS 4" NB
20 MTRS 6" NB, 8" NB, 15 MTRS 10" NB.

APPLICATIONS: DESIGNED SPECIFICALLY FOR THE TRANSFER OF BULK CHEMICAL AND PETROLEUM PRODUCTS AND IN PARTICULAR FOR DOCKSIDE AND SHIP USE.

TEMPERATURE RANGE: POLYPROPYLENE -30°C TO + 80°C P.T.F.E -30°C TO + 100°C

INCH	MM	BARS	PSI	INS	MM	KGM
4	102	14	200	16"	406	6.7
6	150	14	200	22"	559	10.7
8	200	14	200	30"	762	16.4
10	250	10.5	150	38"	965	22.3

Call: 0114 321 0756

tanker hose fittings

FITTINGS & ACCESSORIES



06 Leather Coupling Washers

1.5" BSP
2" BSP
2.5" BSP
3" BSP



07 PTFE Coupling Washers

1.5" BSP
2" BSP
2.5" BSP
3" BSP



08 FLANGES x BSPP SWIVEL FEMALE

Part#	Description
G70323T	3" fem x 2" Table E 316 s/s
G70248T	2-1/2" fem x 2" Table E 316 s/s
G70194T	3" URT fem x 3" Table D 316 s/s
G10282T	3" URT fem x 3" Table D Aluminium
G60175T	3" URT fem x 3" Table D Gunmetal
G70224T	4" SRT fem x 4" Table D 316 s/s
G10312T	4" SRT fem x 4" Table D Aluminium
G70234T	4" SRT fem x 4" ASA150 316 s/s
G10322T	4" SRT fem x 4" ASA150 Aluminium
G60215T	4" SRT fem x 4" ASA150 Gunmetal

HOSE KEYS FOR USE WITH LUGGED TYPE FITTINGS



09 DOUBLE ENDED

Part#	Size
G50005T	2" x 1-1/2"
G50006T	2-1/2" x 2"
G50007T	3" x 2"
Heavy Duty Forged Steel:	
G80043T	3" x 2-1/2" x 2"



10 SINGLE ENDED

Part#	Size
G50002T	2-1/2"
G50003T	3"
G50004T	4"
G50008T	4" VEE



BLANK CAPS & PLUGS

11 ALUMINIUM C/W BSPP THREAD & BRASS CHAIN



PART#	SIZE
BC050AL	1/2"
BC075AL	3/4"
BC100AL	1"
BC125AL	1.1/4"
BC150AL	1.1/2"
BC200AL	2"
BC250AL	2.1/2"
BC300AL	3"
BC400AL	4"

12 POLYPROPYLENE C/W BSPP THREAD & BRASS CHAIN

PART#	SIZE
BC150PP	1.1/2"
BC200PP	2"
BC250PP	2.1/2"
BC300PP	3"
BC400PP	4"

13 BRASS C/W BSPP THREAD & BRASS CHAIN



PART#	SIZE
BC050BR	1/2"
BC075BR	3/4"
BC100BR	1"
BC125BR	1.1/4"
BC150BR	1.1/2"
BC200BR	2"
BC250BR	2.1/2"
BC300BR	3"
BC400BR	4"

14 STAINLESS STEEL C/W BSPP THREAD & S/STEEL CHAIN



PART#	SIZE
BC50SS	1/2"
BC75SS	3/4"
BC100SS	1"
BC125SS	1.1/4"
BC150SS	1.1/2"
BC200SS	2"
BC250SS	2.1/2"
BC300SS	3"
BC400SS	4"

15 PLASTIC BSP BLANKING PLUGS



Part#	Size	Colour
G90059T	2-1/2"	Blue
G90055T	2-1/2"	Red
G90034T	2-1/2"	White
G90060T	3"	Blue
G90056T	3"	Red
G90035T	3"	White

FITTINGS & ACCESSORIES



16 ALUMINIUM MALE BSPP X FEMALE BSPP FIXED ADAPTOR

PART#	SIZE	PART#	SIZE
1.5MX1.25FAL	1-1/2M x 1-1/4F	2.5MX2FAL	2-1/2M x 2F
1.5MX1.5FAL	1-1/2M x 1-1/2F	2.5MX2.5FAL	2-1/2M x 2-1/2F
1.5MX2FAL	1-1/2M x 2F	2.5MX3FAL	2-1/2M x 3F
1.5MX2.5FAL	1-1/2M x 2-1/2F	2.5MX4FAL	2-1/2M x 4F
1.5MX3FAL	1-1/2M x 3F	3MX2FAL	3M x 2F
2MX1.25FAL	2M x 1-1/4F	3MX2.5FAL	3M x 2-1/2F
2MX1.5FAL	2M x 1-1/2F	3MX3FAL	3M x 3F
2MX2FAL	2M x 2F	3MX4FAL	3M x 4F
2MX2.5FAL	2M x 2-1/2F	4MX3FAL	4M x 3F
2MX3FAL	2M x 3F	4MX4FAL	4M x 4F



17 ALUMINIUM MALE BSPP X MALE BSPP FIXED ADAPTOR

PART#	SIZE	PART#	SIZE
1.5MX1.5MAL	1-1/2M x 1-1/2M	3MX2.5MAL	3M x 2-1/2M
2MX1.5MAL	2M x 1-1/2M	3MX3MAL	3M x 3M
2MX2MAL	2M x 2M	4MX3MAL	4M x 3M
2.5MX2MAL	2-1/2M x 2M	4MX4MAL	4M x 4M
2.5MX2.5MAL	2-1/2M x 2-1/2M		



18 GUNMETAL/BRASS MALE BSPP X FEMALE BSPP FIXED ADAPTOR

PART#	SIZE	PART#	SIZE
1.5MX1.25FBR	1-1/2M x 1-1/4F	2.5MX2FAL	2-1/2M x 2F
1.5MX1.5FBR	1-1/2M x 1-1/2F	2.5MX2.5FAL	2-1/2M x 2-1/2F
1.5MX2FBR	1-1/2M x 2F	2.5MX3FAL	2-1/2M x 3F
1.5MX2.5FBR	1-1/2M x 2-1/2F	2.5MX4FAL	2-1/2M x 4F
1.5MX3FBR	1-1/2M x 3F	3MX2FAL	3M x 2F
2MX1.25FBR	2M x 1-1/4F	3MX2.5FAL	3M x 2-1/2F
2MX1.5FBR	2M x 1-1/2F	3MX3FAL	3M x 3F
2MX2FBR	2M x 2F	3MX4FAL	3M x 4F
2MX2.5FBR	2M x 2-1/2F	4MX3FAL	4M x 3F
2MX3FBR	2M x 3F	4MX4FAL	4M x 4F



19 ROAD TANKER HOSE STRAPS

PART#	DESCRIPTION
RTS36	36" Strap
RTS48	48" Strap



20 STAINLESS STEEL MALE BSPP X FEMALE BSPP FIXED ADAPTOR

PART#	SIZE	PART#	SIZE
1.5MX2FSS	1-1/2M x 2F	2MX3FSS	2M x 3F
1.5MX2.5FSS	1-1/2M x 2-1/2F	2.5MX2FSS	2-1/2M x 2F
2MX1.5FSS	2M x 1-1/2F	2.5MX3FSS	2-1/2M x 3F
2MX2FSS	2M x 2F	3MX2FSS	3M x 2F
2MX2.5FSS	2M x 2-1/2F	3MX4FSS	3M x 4F



21 URT MALE X MALE ADAPTORS

PART#	SIZE	MATERIAL
149	3" URT x 3" URT	Aluminium
150	3" URT x 3" BSP	Aluminium
151	4" URT x 4" BSP	Aluminium
152	3" URT x 3" URT	Brass
153	3" URT x 3" BSP	Brass
154	4" URT x 4" URT	Brass
155	4" URT x 4" BSP	Brass
156	3" URT x 3" URT	Stainless Steel
157	3" URT x 3" BSP	Stainless Steel
158	4" URT x 4" BSP	Stainless Steel



22 GUNMETAL MALE BSPP X MALE BSPP FIXED ADAPTOR

PART#	SIZE	PART#	SIZE
1.5M x 1.5M GM	1-1/2M x 1-1/2M	3M x 2.5M GM	3M x 2-1/2M
2M x 1.5M GM	2M x 1-1/2M	3M x 3M GM	3M x 3M
2M x 2M GM	2M x 2M	4M x 3M GM	4M x 3M
2.5M x 2M GM	2-1/2M x 2M	4M x 4M GM	4M x 4M
2.5M x 2.5M GM	2-1/2M x 2-1/2M		



23 STAINLESS STEEL BSPP X MALE BSPP FIXED ADAPTOR

PART#	SIZE	PART#	SIZE
1.5M x 1.5M SS	1-1/2M x 1-1/2M	1.5M x 1.5M SS	1-1/2M x 1-1/2M
2M x 1.5M SS	2M x 1-1/2M	2M x 1.5M SS	2M x 1-1/2M
2M x 2M SS	2M x 2M	2M x 2M SS	2M x 2M
2.5M x 2M SS	2-1/2M x 2M	2.5M x 2M SS	2-1/2M x 2M
2.5M x 2.5M SS	2-1/2M x 2-1/2M	2.5M x 2.5M SS	2-1/2M x 2-1/2M
3M x 2.5M SS	3M x 2-1/2M	3M x 2.5M SS	3M x 2-1/2M
3M x 3M SS	3M x 3M	3M x 3M SS	3M x 3M
4M x 3M SS	4M x 3M	4M x 3M SS	4M x 3M
4M x 4M SS	4M x 4M	4M x 4M SS	4M x 4M

layflat fire hose

01 CONTRACTOR FIRE HOSE

TECHNICAL INFORMATION:

BUILT TO THE HIGHEST QUALITY, LIGHT WEIGHT YET WITH EXCEPTIONAL STRENGTH.

CONSTRUCTION: AVAILABLE WITH A POLYURETHANE OUTER COATING FOR EXTRA ABRASION RESISTANCE OR UNCOATED FOR EXTRA LIGHTNESS, THEY ARE IDEAL AS WASHDOWN HOSE AND CAN BE SUPPLIED IN RED, WHITE (AVAILABLE UNCOATED ONLY), BLUE AND YELLOW.

SPECIFICATIONS: MANUFACTURED IN ACCORDANCE WITH BS 6391:TYPE 1 & 2 1983.



INCH	MM	BAR	BAR	GR/MT	GR/MT	MT
1 1/2	38	15	45	160	180	*
1 3/4	45	15	45	180	200	*
2	52	15	45	200	220	*
2 1/2	64	15	45	280	310	*

* Standard length 23m (75ft) supplied complete with light alloy male & female instantaneous couplers. Other lengths including 18.3m, 20m & 30m also available on request.

Gunmetal instantaneous couplers for offshore applications also available.



03 FIRE REEL HOSE

TECHNICAL INFORMATION:

TUBE: HIGH QUALITY FIRST AIR REEL HOSE CONFORMING TO PR EN694 AND KIWA APPROVALS.

COVER: RED ABRASION & FADE RESISTANT RUBBER/PVC BLEND.

LINING: RUBBER/PVC BLEND.

TEMPERATURE RANGE: -15°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
3/4	19	25.5	12	175	42	610	180	290	30
1	25	33	12	175	42	610	220	470	30



02 SUPER QUALITY FIRE HOSE

TECHNICAL INFORMATION:

CONSTRUCTION: CONSTRUCTED WITH AN ALL SYNTHETIC WOVEN TEXTILE REINFORCEMENT, ENCASED IN A BLEND OF HIGH TENSILE PVC/NITRILE RUBBER WHICH FORMS A UNIFIED LINING AND COVER. THE OUTER RIBBING PROVIDES EXCELLENT ABRASION RESISTANCE.

SPECIFICATIONS: TESTED TO BS 6391:TYPE 3 1983

APPLICATION: IN USE AROUND THE WORLD IN THE FOLLOWING INDUSTRIES:

PETRO CHEMICAL, MARINE, OFFSHORE, MAJOR INDUSTRIAL, DEFENCE, AVIATION, GOVERNMENT DEPARTMENTS, FIRE BRIGADES



INCH	MM	BAR	BAR	MM	GR/MT	MT
1 1/2	38	22.5	55	65	280	*
1 3/4	45	22.5	55	80	340	*
2	52	22.5	55	95	400	*
2 1/2	64	22.5	50	110	520	*
2 3/4	70	22.5	50	115	580	*
3	75	22.5	50	120	650	*

* Standard length 23m (75ft) supplied complete with light alloy male & female instantaneous couplers. Other lengths including 18.3m, 20m & 30m also available on request.

Gunmetal instantaneous couplers for offshore applications also available.



Integraflex layflat assemblies are supplied with the appropriate BS6391 type approval ensuring that the product will perform under pressure.

We can supply a number of coil lengths including: **18.3m, 20m, 23m, 30m.**

Longer lengths may be available, please contact us.

Usually supplied with instantaneous couplings in light alloy or gunmetal, however we can also swage alternative fittings such as CAM couplers, STORZ & flanges.

04 DRINKING WATER LAYFLAT

INTEGRAFLEX OFFER A RANGE OF DRINKING HOSES SUITABLE FOR SHORT TERM OR TEMPORARY BYPASS APPLICATIONS AS WELL AS DRINKING WATER HOSES WITH FULL WRAS APPROVAL.

TECHNICAL INFORMATION:

TYPE 2 AND TYPE 3 LAYFLAT DRINKING WATER HOSE

COVER: SYNTHETIC WOVEN POLYESTER JACKET.

LINING: WHITE NON TOXIC, NON-TAINT FOOD GRADE RUBBER LINING SUPPLIED AS STANDARD WITH ALLOY INSTANTANEOUS COUPLINGS BUT CAN BE SUPPLIED WITH OTHER FITTINGS ON REQUEST E.G. STORZ, BSP, NPT

CERTIFICATIONS AVAILABLE INCLUDE: WRC APPROVED TO BS6920 UK KTW APPROVAL - GERMANY W270 APPROVAL - GERMANY NSF 61 LISTING - USA

TEMPERATURE RANGE: -40°C TO +120°C

Call: 0114 321 0756

alloy fire fittings & hose ramps

HOSE RAMPS

05 HR1

HIGH QUALITY SBR RUBBER HOSE RAMPS - DESIGNED TO ACCOMMODATE UP TO 5 INDIVIDUAL HOSE LENGTHS. EACH CHANNEL MEASURES 50mm HIGH x 35mm WIDE. SUPPLIED C/W HINGED HIGH VISIBILITY COVER. DESIGNED TO INTERCONNECT WITH OTHER RAMPS. MALE & FEMALE ENDS AVAILABLE TO OFFER BEVELLED EDGE ALL ROUND.

DIMENSIONS 890mm LONG x 590mm WIDE x 80mm MAXIMUM HEIGHT WEIGHT 23KG

PART#

HR1

06 HR2

HIGH QUALITY SBR RUBBER HOSE RAMPS - DESIGNED TO ACCOMMODATE UP TO 3 INDIVIDUAL HOSE LENGTHS. TWO CHANNELS MEASURE 50mm HIGH x 65mm WIDE, ONE CHANNEL IS 50mm x 50mm. SUPPLIED C/W HINGED HIGH VISIBILITY COVER. DESIGNED TO INTERCONNECT WITH OTHER RAMPS MALE & FEMALE ENDS AVAILABLE TO OFFER BEVELLED EDGE ALL ROUND

DIMENSIONS 890mm LONG x 590mm WIDE x 80mm MAXIMUM HEIGHT - WEIGHT 23KG

PART#

HR2

07 HR3

POPULAR SIZE FOR FIRE HOSES. HIGH QUALITY SBR RUBBER HOSE RAMPS - DESIGNED TO ACCOMMODATE 2 INDIVIDUAL HOSE LENGTHS. TWO CHANNELS MEASURE 73mm HIGH x 92mm WIDE. REFLECTOR STRIPS ON BOTH SIDES, CAN BE CONNECTED TO OTHER HR3 RAMPS WITH CONNECTORS

DIMENSIONS 855mm LONG X 302mm WIDE x 84mm MAXIMUM HEIGHT WEIGHT 13KGS

PART#

HR3

08 HR4

LARGER SIZE FOR FIRE HOSES. HIGH QUALITY SBR RUBBER HOSE RAMPS - DESIGNED TO ACCOMMODATE 2 INDIVIDUAL HOSE LENGTHS. TWO CHANNELS MEASURE 90mm HIGH x 102mm WIDE. REFLECTOR STRIPS ON BOTH SIDES, CAN BE CONNECTED TO OTHER HR4 RAMPS WITH CONNECTORS

DIMENSIONS 830mm LONG x 320mm WIDE x 102mm MAXIMUM HEIGHT

LARGER SIZES AVAILABLE - CONTACT INTEGRAFLEX FOR MORE INFORMATION

PART#

HR4

2-1/2 INSTANTANEOUS FIRE COUPLINGS & ADAPTORS WORKING PRESSURE 15 BAR

09 ALUMINIUM TWIST OPERATED JET SPRAY DIFFUSER NOZZLE

PART#	SIZE
204	2.1/2 INST x 5/8

10 INDUSTRIAL 'WORKS' TYPE ADAPTOR 2 1/2 INSTANTANEOUS MALE x HOSE SPIGOT

PART#	SIZE
39MWT	1/2" H/T
40MWT	3/4" H/T
41MWT	1" H/T

11 ALUMINIUM MALE x HOSE TAIL

PART#	SIZE
1M	2.1/2 x 1.1/2
2M	2.1/2 x 1.3/4
3M	2.1/2 x 2
4M	2.1/2 x 2.1/2
5M	2.1/2 x 2.3/4
6M	2.1/2 x 3

12 ALUMINIUM FEMALE x BSPP MALE

PART#	SIZE
1FXM	1
2FXM	1.1/2
13FXM	2
14FXM	2.1/2
15FXM	3

13 ALUMINIUM FEMALE x HOSE TAIL

PART#	SIZE
1F	2.1/2 x 1.1/2
2F	2.1/2 x 1.3/4
3F	2.1/2 x 2
4F	2.1/2 x 2.1/2
5F	2.1/2 x 2.3/4
6F	2.1/2 x 3

14 ALUMINIUM FEMALE x BSPP FEMALE

PART#	SIZE
0.75FXF	3/4
1FXF	1
2FXF	1.1/2
13FXF	2
14FXF	2.1/2
15FXF	3

15 ALUMINIUM MALE x BSPP MALE

PART#	SIZE
22MXM	3/4
23MXM	1
24MXM	1.1/2
25MXM	2
26MXM	2.1/2
27MXM	3

16 ALUMINIUM MALE x BSPP FEMALE

PART#	SIZE
28MXF	3/4"
29MXF	1"
30MXF	1.1/2"
31MXF	2"
32MXF	2.1/2"
33MXF	3"

FIT FOR FITTING?

INTEGRAFLEX YORKSHIRE ARE SPECIALISTS IN HOSE ASSEMBLIES, WHY NOT GET YOUR ASSEMBLIES MANUFACTURED BY US.



17 ALUMINIUM LEVER OPERATED JET SPRAY DIN PATTERN

PART#	SIZE
206	2.1/2 x 9mm



18 RED PLASTIC FIRE REEL JET SPRAY NOZZLE

PART#	SIZE
218	3/4" H/T
219	1" H/T



19 DOUBLE OUTLET CONTRACTORS STANDPIPE with 2 X 3/4 BIB-TAPS

PART#	SIZE
47	



20 HYDRANT OPENING KEY 2 PIECE STEEL

PART#	SIZE
49	



21 SINGLE OUTLET WITH NON-RETURN VALVE

PART#	SIZE
44	



ANTI STATIC ASSEMBLIES

Integraflex will manufacture your oil suction and delivery assemblies ensuring that the hose assembly is fully conductive therefore ensuring safe dissipation of static. Essential for hoses to be used on refineries, chemical plants or any environment that has the potential risk of fire or explosions.

All fully conductive assemblies will also be pressure tested and certified. Test certificates will be supplied with the goods.



01 OIL SUCTION AND DELIVERY 10 BAR

Order Ref: OSH-SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL AND PETROL RESISTANT, CONDUCTIVE SYNTHETIC NITRILE BLACK RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE, STEEL WIRE HELIX AND ANTISTATIC COPPER WIRE.

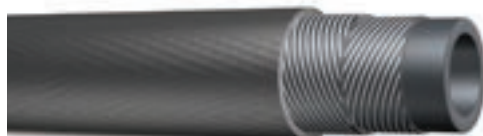
COVER: OIL, WEATHER, OZONE, ABRASION AND SEA WATER RESISTANT, SPECIAL SYNTHETIC RUBBER.

APPLICATION: FOR SUCTION AND DISCHARGE OF PETROLEUM PRODUCTS WITH AROMATIC CONTENT UP TO 50%.

TEMPERATURE RANGE: -35°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	G/M	M
3/4	19	30	10	150	30	450	-0.93	135	647	40/10
1	25.4	36	10	150	30	450	-0.93	152	740	40/10
1 1/4	32	43	10	150	30	450	-0.93	192	950	40/10
1 1/2	38	49	10	150	30	50	-0.93	228	1199	40/10
1 3/4	44.5	56	10	150	30	450	-0.93	267	1419	40/10
2	50.8	63	10	150	30	450	-0.93	306	1692	40/10
2 1/2	63.5	76	10	150	30	450	-0.93	381	2104	40/10
3	76.2	89	10	150	30	450	-0.93	547	2678	40/10
3 1/2	90	105	10	150	30	450	-0.93	540	3609	40/10
4	101.6	117	10	150	30	450	-0.93	610	4081	40/10



04 DIESEL DELIVERY

Order Ref: PDD-SIZE MM

TECHNICAL INFORMATION:

TUBE: DIESEL/OIL RESISTANT TUBE 40 PARTS NITRILE.

REINFORCEMENT: SYNTHETIC TEXTILE.

COVER: BLACK WEATHER AND OZONE RESISTANT.

APPLICATION: FOR THE TRANSFER OF DIESEL/FUELS/WATER/AIR IN MORE DEMANDING SERVICE ENVIRONMENTS.

TEMPERATURE RANGE: -10°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25	34	7	105	21	315	-	610	50



02 OIL SUCTION AND DELIVERY 16 BAR

Order Ref: OSH16-SIZE MM

TECHNICAL INFORMATION:

TUBE: OIL AND PETROL RESISTANT CONDUCTIVE, SYNTHETIC NITRILE BLACK RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE, STEEL WIRE HELIX AND ANTISTATIC COPPER WIRE.

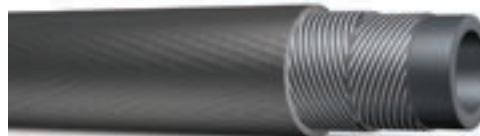
COVER: OIL, WEATHER, ABRASION, OZONE AND SEA WATER RESISTANT SPECIAL SYNTHETIC RUBBER.

APPLICATION: FOR SUCTION AND DISCHARGE OF PETROL PRODUCTS WITH AROMATIC CONTENT UP TO 50%.

TEMPERATURE RANGE: -35°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	G/M	M
2	51	65	16	232	48	696	-0.93	306	2053	61
3	76	93	16	232	48	696	-0.93	457	3362	30
4	102	119	16	232	48	696	-0.93	610	4609	30
6	152	176	16	232	48	696	-0.93	915	9552	30



05 TEXTILE BRAIDED HYDRAULIC SAE100R6

Order Ref: HR6-SIZE MM

TECHNICAL INFORMATION:

TUBE: HYDRAULIC OIL RESISTANT SPECIAL SYNTHETIC RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE BRAID.

COVER: OIL, ABRASION, OZONE AND WEATHER RESISTANT BLACK SYNTHETIC RUBBER.

APPLICATION: FOR HYDRAULIC CONTROL LINES, DISCHARGE UNDER PRESSURE OF HYDRAULIC FLUIDS, FUEL, GREASE, AIR AND WATER.

TEMPERATURE RANGE: -30°C TO +100°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	13	30	406	120	1624	65	104	50
5/16	8	15	30	406	120	1624	80	124	50
3/8	10	16	30	406	120	1624	80	149	50
1/2	13	20	30	406	120	1624	100	197	50
5/8	16	24	25	348	100	1392	125	253	30
3/4	19	27	25	305	100	1218	150	303	30
1	25.4	33.2	25	131	100	522	170	454	30



03 25 BAR MULTI PURPOSE ANTI-STATIC

Order Ref: MPR-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK, SMOOTH, FUEL AND OIL RESISTANT, CONDUCTIVE, ELECTRICAL RESISTANCE R<106 Ω/M.

REINFORCEMENT: HIGH TENSILE SYNTHETIC FIBRES. EXTREMELY FLEXIBLE.

COVER: BLACK, SMOOTH, ABRASION, OIL, AGING AND WEATHER RESISTANT. CR BASED COMPOUND.

APPLICATION: SUITABLE FOR OIL, FUEL, AIR, WATER & PETROLEUM BASED SOLUTIONS. ALSO SUITABLE FOR UNLEADED FUEL.

TEMPERATURE RANGE: -30°C TO +80°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	14	25	375	79	1185	70	180	50
5/16	8	16	25	375	79	1185	90	215	50
3/8	10	18	25	375	79	1185	110	245	50
1/2	13	21	25	375	79	1185	130	290	50
5/8	16	25	25	375	79	1185	170	395	30
3/4	19	29	25	375	79	1185	200	515	30
1	25	36	25	375	79	1185	260	720	30



06 PETROL BSAU108/SAEJ30R6

Order Ref: BSAU-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK, NBR.

REINFORCEMENT: SYNTHETIC FIBRES.

COVER: BLACK, WEATHER, HEAT AND FUEL RESISTANT.

APPLICATION: FOR CONVEYANCE OF UNLEADED OR LEADED FUEL TYPES.

TEMPERATURE RANGE: -30°C TO +100°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	13	116	8	-	-	75	135	100
5/16	8	15	116	8	-	-	95	160	100
3/8	10	17	116	8	-	-	120	190	100

Call: 0114 321 0756

nozzles & fittings



07 BLUE PVC OIL SUCTION & DELIVERY

Order Ref: BMD - SIZE MM

TECHNICAL INFORMATION:

CONSTRUCTION: STRONG, FLEXIBLE AND SMOOTH OIL RESISTANT PVC/NITRILE COMPOUND, SHOCK & CRUSH RESISTANT PVC, SPIRAL, CHEMICAL AGENTS, ABRASION AND WEATHER RESISTANT LIGHT CORRUGATED OUTSIDE.

REINFORCEMENT: WHITE NYLON SPIRAL.

APPLICATION: FOR MEDIUM DUTY SUCTION AND DELIVERY OF INDUSTRIAL OILS AND FUELS.

TEMPERATURE RANGE: -10°C TO +55°C



INCH	MM	BAR	M.H2O	MM	GR/MT	MT
3/4	19	20	9	130	360	10
1	25	20	9	140	480	10
1 1/4	32	17	9	150	580	10
1 1/2	38	16	9	180	670	10
2	51	15	9	190	975	10
2 1/2	63	13	9	260	1350	10
3	76	12	9	320	1700	10
4	102	12	9	400	2600	10
5	127	9	9	600	3650	10
6	152	9	9	800	5100	10



09 TANKER REELING HOSE

Order Ref: TRH - SIZE MM

TECHNICAL INFORMATION:

LINING: BLACK, FUEL & OIL RESISTANT CONDUCTIVE NITRILE RUBBER.

REINFORCEMENT: SYNTHETIC TEXTILE AND CONDUCTIVE COPPER WIRE.

COVER: RED, OIL, FUEL, WEATHER AND OZONE RESISTANT SYNTHETIC RUBBER.

APPLICATION: FOR DOMESTIC FUEL OIL TANKERS.

TEMPERATURE RANGE: -35°C TO +80°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
13/8	35	49	20	290	60	870	350	1195	45/54/61
1 1/2	38	52	20	290	60	870	380	1245	45/54/61



08 ADBLUE™ UREA SOLUTION HOSE

Order Ref: ABH - SIZE MM

INTEGRAFLEX HAS DESIGNED A NEW HOSE THAT IS SPECIFICALLY DESIGNED FOR USE WITH ADBLUE™ FUEL ADDITIVE THAT FEATURES A UNIQUE COMPOUND THAT IS ZINC AND CALCIUM CARBONATE FREE AND SO ENSURES NO ADDITIVES CAN LEACH INTO THE ADBLUE™ SOLUTION AS DEFINED BY DIN70070. A VERY GOOD, COST EFFECTIVE SOLUTION THAT HAS BEEN THOROUGHLY TESTED FOR COMPLIANCE AND IN FIELD APPLICATION.

TEMPERATURE RANGE: -15°C TO +60°C



INCH	MM	MM	BAR	GR/MT	MT
3/4	19	26.5	10	350	50

GATE VALVES



10 BRASS GATE VALVE TYPE K 220

TECHNICAL INFORMATION:

PLATE STEEL HANDLE.

2 X FEMALE THREAD. ACCORDING TO DIN 259, BS 21 AND UNI 338.

SIZE	PART#	WEIGHT
1/2"	4005.12	0.200kg
3/4"	4005.18	0.290kg
1"	4005.25	0.400kg
1-1/4"	4005.32	0.620kg
1-1/2"	4005.40	0.820kg
2"	4005.50	1.310kg
2-1/2"	4005.63	1.660kg
3"	4005.75	2.380kg
4"	4005.99	3.900kg
5"	4006.25	7.300kg
6"	4006.50	10.200kg

NOZZLES, HOSES & ACCESSORIES



11 ALUMINIUM MANUAL NOZZLE 1" BSP

TECHNICAL INFORMATION:

BASIC NOZZLE WITH ALUMINIUM BODY AND NITRILE SEALS. USED FOR GRAVITY FEED OR PUMPING OF DIESEL FUEL. COMPLETE WITH A 1" BSP FEMALE THREAD AND SUITABLE FOR A MAXIMUM WORKING PRESSURE OF 60PSI.

SIZE	PART
MATN	1" BSP Basic
MATN/MS	1" BSP Male Swivel Tail
MATN/FS	1" BSP with Female Swivel Tail



12 ALUMINIUM MANUAL NOZZLE 1.5" BSP

TECHNICAL INFORMATION:

C/W 1.5" SWIVEL UP TO 350L/MIN, DIESEL

PART
NOZ.FE (no swivel)
NOZ.FES (c/w swivel)



13 GRAVITY FEED ASSEMBLY

TECHNICAL INFORMATION:

C/W 1" MALE SWAGED ENDS FOR DIESEL

SIZE	PART#
CH4.25	4m x 1"
CH6.25	6m x 1"

HYDRAULIC QUICK RELEASE COUPLINGS



14 ISO B BRASS BSPP - COUPLER (Temp-25° to +200°C)

PART	SIZE	BAR W.P.
HNV-B-G18F	1/8"	200-100
HNV-B-G14F	1/4"	180-90
HNV-B-G38F	3/8"	150-90
HNV-B-G12F	1/2"	160-80
HNV-B-G34F	3/4"	100-70
HNV-B-G100F	1"	100-70
HNV-B-G114F*	1-1/4"	70
HNV-B-G112F*	1-1/2"	70
HNV-B-G200F*	2"	70



17 ISO B 316 STAINLESS STEEL - COUPLER (Temp-25° to +200°C)

PART	SIZE	BAR W.P.
04401	1/8"	250-150
04403	1/4"	250-150
04405	3/8"	250-110
04407	1/2"	250-110
04409	3/4"	200-100
04411	1"	160-90
HNV-G-G114F	1-1/4"	140
HNV-G-G112F	1-1/2"	140
HNV-G-G200F*	2"	100



15 ISO B BRASS BSPP - NIPPLE (Temp-25° to +200°C)

PART	SIZE	BAR W.P.
HNV-B-G18M	1/8"	200-100
HNV-B-G14M	1/4"	180-90
HNV-B-G38M	3/8"	150-90
HNV-B-G12M	1/2"	160-80
HNV-B-G34M	3/4"	100-70
HNV-B-G100M	1"	100-70
HNV-B-G114M*	1-1/4"	70
HNV-B-G112M*	1-1/2"	70
HNV-B-G200M*	2"	60



18 ISO B STAINLESS STEEL BSPP - NIPPLE (Temp-25° to +200°C)

PART	SIZE	BAR W.P.
04402	1/8"	250-150
04404	1/4"	250-150
04406	3/8"	250-110
04408	1/2"	250-110
04410	3/4"	250-110
04412	1"	160-90
HNV-X-G114M*	1-1/4"	140
HNV-X-G112M*	1-1/2"	140
HNV-X-G200M*	2"	100



16 SNAPTITE 71 SERIES (STAINLESS STEEL) - COUPLER

PART	SIZE	BAR W.P.
S71-3C4-4RP	1/4"	345
S71-3C6-6RP	3/8"	345
S71-3C8-8RP	1/2"	345
S71-3C12-12RP	3/4"	345
S71-3C16-16RP	1"	280



19 SNAPTITE 71 SERIES (STAINLESS STEEL) - NIPPLE

PART	SIZE	BAR W.P.
S71-3N4-4RP	1/4"	345
S71-3N6-6RP	3/8"	345
S71-3N8-8RP	1/2"	345
S71-3N12-12RP	3/4"	345
S71-3N16-16RP	1"	280



COMPOSITE HOSE

We stock a full range of composite hose and fittings which is ideal for use in many chemical applications.

Some of our composite hoses and assemblies are only available from Integraflex.

SEE PAGES 23 - 24 FOR MORE DETAILS



01 XLPE CHEMICAL 16 BAR SUCTION & DELIVERY

ORDER REF: XLP-SIZE MM-16 Bar

TECHNICAL INFORMATION:

TUBE: TRANSLUCENT XLPE LINER SUITABLE FOR COMMON CHEMICALS.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE, STEEL WIRE HELIX AND ANTISTATIC COPPER WIRE.

COVER: WEATHER, OZONE AND ABRASION RESISTANT EPDM RUBBER.

APPLICATION: FOR SUCTION AND DISCHARGE OF ALL CORROSIVE CHEMICALS, SPECIALLY HIGH AROMATIC SOLVENTS.



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	GR/M	M
1/2	13	24	10	145	40	580	-0.93	114	-	10/40
3/4	19	32.5	16	240	48	960	-0.93	114	789	10/40
1	25	39	16	240	48	960	-0.93	152	982	10/40
1 1/4	32	47	16	240	48	960	-0.93	192	1340	10/40
1 1/2	38	53	16	240	48	960	-0.93	228	1613	10/40
2	51	67.5	16	240	48	960	-0.93	306	2298	10/40
2 1/2	63	81.5	16	240	40	960	-0.93	381	2923	10/40
3	76	94.5	16	240	40	960	-0.93	457	3479	10/40
4	102	121	16	240	40	960	-0.93	610	4510	61/40

CAM GROOVE SMOOTH TAIL COUPLINGS



04 FEMALE COUPLER X HOSE TAIL STAINLESS STEEL

PART#	SIZE
C100ST	1"
C125ST	1 1/4"
C150ST	1 1/2"
C200ST	2"
C250ST	2 1/2"
C300ST	3"
C400ST	4"



05 MALE ADAPTOR X HOSE TAIL STAINLESS STEEL

PART#	SIZE
E100ST	1"
E125ST	1 1/4"
E150ST	1 1/2"
E200ST	2"
E250ST	2 1/2"
E300ST	3"
E400ST	4"



02 UHMWPE CHEMICAL HOSE

Order Ref: UHMWPE-SIZE-MM

TECHNICAL INFORMATION:

TUBE: FOOD GRADE UHMWPE LINER SUITABLE FOR A WIDE RANGE OF CORROSIVE CHEMICALS AND SOLVENTS

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE, STEEL WIRE HELIX AND ANTISTATIC COPPER WIRE

COVER: WEATHER, OZONE, ABRASION RESISTANT EPDM RUBBER

SPECIFICATION: ISO 1307

APPLICATION: FOR SUCTION AND DISCHARGE OF ALL CORROSIVE CHEMICALS, ESPECIALLY HIGH AROMATIC SOLVENTS

TEMPERATURE RANGE: -40°C TO +80°C



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	GR/MT	MT
2	50.8	67	10	145	40	580	-0.92	350	2275	30
3	76.2	93	10	145	40	580	-0.92	800	3315	30

DIN 2817 SMOOTH TAIL COUPLINGS



06 MALE HOSE TAIL BSPP STAINLESS STEEL

PART#	SIZE
SMSS19	19mm
SMSS25	25mm
SMSS32	32mm
SMSS38	38mm
SMSS50	50mm
SMSS65	65mm
SMSS80	80mm
SMSS100	100mm



07 FEMALE HOSE TAIL BSPP STAINLESS STEEL

PART#	SIZE
SFSS19	19mm
SFSS25	25mm
SFSS32	32mm
SFSS38	38mm
SFSS50	50mm
SFSS65	65mm
SFSS75	75mm
SFSS100	100mm

SAFETY CLAMPS



08 SAFETY CLAMPS DIN 2817 ALUMINIUM

PART#	SIZE
DC19AL	19mm x 6mm
DC25AL	25mm x 6mm
DC32AL	32mm x 6mm
DC38AL	38mm x 6.5mm
DC50AL	50mm x 8mm
DC65AL	65mm x 7mm
DC80AL	75mm x 8mm
DC1000AL	100mm x 8mm



03 25 BAR MULTI PURPOSE ANTI-STATIC

Order Ref: MPR-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK, SMOOTH, FUEL AND OIL RESISTANT, CONDUCTIVE, ELECTRICAL RESISTANCE R<106 Ω/M.

REINFORCEMENT: HIGH TENSILE SYNTHETIC FIBRES. EXTREMELY FLEXIBLE.

COVER: BLACK, SMOOTH, ABRASION, OIL, AGING AND WEATHER RESISTANT. CR BASED COMPOUND.

APPLICATION: SUITABLE FOR OIL, FUEL, AIR, WATER & PETROLEUM BASED SOLUTIONS. ALSO SUITABLE FOR UNLEADED FUEL.

TEMPERATURE RANGE: -30°C TO +80°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	14	25	375	79	1185	70	180	50
5/16	8	16	25	375	79	1185	90	215	50
3/8	10	18	25	375	79	1185	110	245	50
1/2	13	21	25	375	79	1185	130	290	50
5/8	16	25	25	375	79	1185	170	395	30
3/4	19	29	25	375	79	1185	200	515	30
1	25	36	25	375	79	1185	260	720	30

ss bsp fittings/valves

STAINLESS STEEL BALL VALVES



09 1-PC REDUCED BORE BSPP THREAD

SIZE	PART#
1/4"	BV-0.25-LOCK
3/8"	BV-0.375-LOCK
1/2"	BV-0.5-LOCK
3/4"	BV-0.75-LOCK
1"	BV-1.0-LOCK
1-1/4"	BV-1.25-LOCK
1-1/2"	BV-1.5-LOCK
2"	BV-2.0-LOCK



10 3-PC FULL BORE (SCREWED ENDS) BSPP THREAD

SIZE	PART#
1/4"	BVFB3-0.25
3/8"	BVFB3-0.375
1/2"	BVFB3-0.5
3/4"	BVFB3-0.75
1"	BVFB3-1.0
1-1/4"	BVFB3-1.25
1-1/2"	BVFB3-1.5
2"	BVFB3-2.0
2-1/2"	BVFB3-2.5
3"	BVFB3-3.0
4"	BVFB3-4.0

STAINLESS STEEL 316 - 150LB SCREWED FITTINGS



11 STREET ELBOWS

BSP THREAD	PART#
1/8"	SE-0.125
1/4"	SE-0.25
3/8"	SE-0.375
1/2"	SE-0.5
3/4"	SE-0.75
1"	SE-1.0
1-1/4"	SE-1.25
1-1/2"	SE-1.5
2"	SE-2.0
2-1/2"	SE-2.5
3"	SE-3.0
4"	SE-4.0



12 90° ELBOWS

BSP THREAD	PART#
1/8"	S90-0.125
1/4"	S90-0.25
3/8"	S90-0.375
1/2"	S90-0.5
3/4"	S90-0.75
1"	S90-1.0
1-1/4"	S90-1.25
1-1/2"	S90-1.5
2"	S90-2.0
2-1/2"	S90-2.5
3"	S90-3.0
4"	S90-4.0



13 TEES

BSP THREAD	PART#
1/8"	ST-0.125
1/4"	ST-0.25
3/8"	ST-0.375
1/2"	ST-0.5
3/4"	ST-0.75
1"	ST-1.0
1-1/4"	ST-1.25
1-1/2"	ST-1.5
2"	ST-2.0
2-1/2"	ST-2.5
3"	ST-3.0
4"	ST-4.0



14 HEXAGON REDUCING

BSP THREAD	PART#
1/4"	HRB-0.25-*
3/8"	HRB-0.375-*
1/2"	HRB-0.5-*
3/4"	HRB-0.75-*
1"	HRB-1.0-*
1-1/4"	HRB-1.25-*
1-1/2"	HRB-1.5-*
2"	HRB-2.0-*
2-1/2"	HRB-2.5-*
3"	HRB-3.0-*
4"	HRB-4.0-*
* The other size	



15 HEXAGON NIPPLES

BSP THREAD	PART#
1/8"	HN-0.125
1/4"	HN-0.25
3/8"	HN-0.375
1/2"	HN-0.5
3/4"	HN-0.75
1"	HN-1.0
1-1/4"	HN-1.25
1-1/2"	HN-1.5
2"	HN-2.0
2-1/2"	HN-2.5
3"	HN-3.0
4"	HN-4.0



16 BARREL NIPPLES

BSP THREAD	PART#
1/8"	BN-0.125
1/4"	BN-0.25
3/8"	BN-0.375
1/2"	BN-0.5
3/4"	BN-0.75
1"	BN-1.0
1-1/4"	BN-1.25
1-1/2"	BN-1.5
2"	BN-2.0
2-1/2"	BN-2.5
3"	BN-3.0
4"	BN-4.0

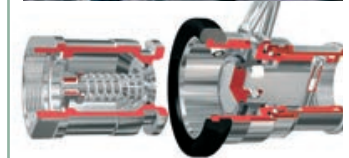


17 HOSE CONNECTORS

BSP THREAD	PART#
1/8"	HC-0.125
1/4"	HC-0.25
3/8"	HC-0.375
1/2"	HC-0.5
3/4"	HC-0.75
1"	HC-1.0
1-1/4"	HC-1.25
1-1/2"	HC-1.5
2"	HC-2.0
2-1/2"	HC-2.5
3"	HC-3.0
4"	HC-4.0



The ultimate Dry Disconnect designed for critical applications where any spillage must be avoided. Patented valve design gives a remarkably lightweight, low maintenance unit, while a mechanical interlock prevents accidental openings. With very low pressure drop, ideal for fluid transfer where the prevention of spillage is all important.



01 DRY DISCONNECT COUPLING

Simple Operation-Push and twist to connect, Twist and pull to disconnect. Safe-Valve cannot be opened until unit is fully coupled. Economical-No fluid loss on disconnection of hoses.



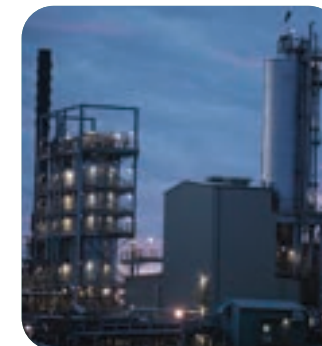
02 BANJO DRYMATE SPILL FREE CONNECTORS

Dry Mate is designed for safe and easy spill free connections. The 'double ball' design allows maximum flow while the cam lever style of connection is the most recognised coupling connector. User friendly-operating Dry Mate is simple. The two Dry Mate halves couple together with cam levers for positive engagement.

PTFE LINED HOSES

MANUFACTURED TO YOUR REQUIREMENTS

SEE PAGE 32 FOR MORE DETAILS





STAINLESS STEEL FLEXIBLE CORRUGATED METALLIC HOSES

Integraflex supply a complete range of stainless steel hoses to suit your exact requirements. Stainless steel assemblies are always supplied with end fittings welded in place, all assemblies are tested for integrity of the weld using air under water testing, and we can also hydrostatically test assemblies to an agreed proof pressure.

Metallic assemblies are an excellent problem solver as they offer the following features & benefits:

- Excellent resistance to chemicals* - please provide details of any chemicals being conveyed
- Excellent temperature resistance - 250°C to +600°C
- Excellent pressure and vacuum resistance on single and double braided hoses
- Extremely flexible in application – kink resistant and easy to route
- Ideal for steam applications due to stainless steel construction
- Fire Resistant – can be supplied with silicone fire sleeve
- Wide range of fittings available, dissimilar sized end fittings can easily be accommodated.
- Good mechanical strength offers longer life than rubber hoses in certain applications – scuff-strips and external armouring can also be supplied at time of manufacture.

01 ANNULAR STAINLESS STEEL CORRUGATED FLEXIBLE METAL HOSE

STANDARD PITCHED MEDIUM
PRESSURE HOSE

MATERIALS:

TUBE: 321 OR
316 STAINLESS
BRAID: 304,321 OR
316 STAINLESS
FLEXIBILITY: ISO 10380 CLASS 1

FOR HIGH FLEXING OR
VIBRATIONAL APPLICATION
OTHER HOSE TYPES ARE
AVAILABLE.



UNBRAIDED HOSE (TO)



SINGLE BRAIDED (SB)



DOUBLE BRAIDED (DB)

TECHNICAL DATA - METRIC SIZES

Hose Type	Nom I.D. (mm)	Max Hose O.D.	Bend Radius (mm)		Max BAR Working Pressure	Max BAR Test Pressure	Min BAR Burst Pressure	Weight Kg/m
			Static	Flexing				
TO	6	12.9	16	100	10	15	40	0.19
SB		14.4	25	100	142	213	568	0.29
DB		15.8	25	100	255	383	1020	0.39
TO	8	12.0	20	140	10	15	40	0.13
SB		13.7	38	140	136	204	544	0.23
DB		15.1	38	140	210	315	840	0.33
TO	10	17.7	22	150	5.5	8.3	22	0.27
SB		19.4	40	150	104	156	416	0.43
DB		21.0	40	150	187	280	748	0.59
TO	12	21.7	24	150	5.5	8.3	22	0.33
SB		23.4	50	150	91.5	137	366	0.53
DB		25.0	50	150	165	248	660	0.73
TO	15	26.8	28	200	5	7.5	20	0.35
SB		28.3	50	200	69.5	104	278	0.56
DB		29.7	50	200	125	188	500	0.77
TO	20	27.9	30	200	4.1	6.2	16.4	0.45
SB		29.6	70	200	69.5	104	278	0.75
DB		31.2	70	200	125	188	500	1.1
TO	25	34.9	44	200	4.1	6.2	16.4	0.60
SB		37.1	90	200	70.6	106	282	1.0
DB		39.2	90	200	120	180	480	1.5
TO	32	46.4	55	250	3.4	5.1	13.6	0.80
SB		48.5	108	250	45.0	67.5	180	1.3
DB		50.6	108	250	80.0	120	320	1.9
TO	40	54.5	70	250	2.4	3.6	9.6	1.0
SB		56.6	127	250	41.0	61.5	164	1.7
DB		58.7	127	250	71.0	107	284	2.4
TO	50	65.6	90	350	1.0	1.5	4.0	1.1
SB		67.8	175	350	30.5	45.8	122	1.9
DB		69.9	175	350	50.0	75.0	200	2.6
TO	65	85.4	110	410	1.0	1.5	4.0	1.8
SB		87.6	200	410	25.5	38.3	102	2.8
DB		89.7	200	410	46.0	69.0	184	3.8
TO	80	97.6	130	450	1.0	1.5	4.0	2.2
SB		99.8	200	450	19.2	28.8	76.8	3.3
DB		102	200	450	34.0	51.0	136	4.4
TO	90	114	175	510	0.75	1.13	3.0	2.5
SB		117	220	510	20.6	30.9	82.4	4.1
DB		120	220	510	27.0	40.5	108	5.7
TO	100	126	200	560	0.69	1.04	2.8	2.8
SB		129	230	560	18.4	27.6	73.6	4.6
DB		132	230	560	33.0	49.5	132	6.4
TO	125	151	250	710	0.69	1.04	2.8	4.7
SB		153	280	710	11.5	17.3	46.0	6.6
DB		156	280	710	20.7	31.0	82.8	8.5
TO	150	178	290	815	0.55	0.83	2.2	5.5
SB		180	320	815	11.2	16.8	44.8	7.7
DB		183	320	815	20.0	30.0	80.0	9.9
TO	200	232	400	1015	0.31	0.46	1.24	7.3
SB		235	435	1015	7.0	11.0	28.0	10
DB		237	435	1015	10	15	40.0	13
TO	250	287	490	1220	0.25	0.37	1.0	9.2
SB		292	560	1220	9.6	14.4	38.4	14.7
DB		-	-	-	-	-	-	-

PTFE hose



01 CONVOLUTED PTFE HOSES - STAINLESS STEEL OVERBRAID

TECHNICAL INFORMATION:

- EXTREMELY FLEXIBLE IN APPLICATION.
- AVAILABLE WITH VIRTUALLY SMOOTH BORE FOR OPTIMUM FLOW AND SELF-CLEANING PROPERTIES.
- EXCELLENT RESISTANCE TO CHEMICALS*, STEAM, SOLVENTS AND FUELS.
- NON TOXIC FOOD QUALITY LINING.
- TEMPERATURE RANGE: -60°C TO +260°C.
- SIZE RANGE: 6MM THROUGH TO 50MM BORE.
- PRESSURE RATING: 2500PSI (6MM) TO 333PSI (51MM)
- SUPPLIED AS FACTORY FITTED ASSEMBLY.

*Please contact Integraflex for details



02 CONVOLUTED PTFE S&D HOSES - ANTI STATIC LINER

TECHNICAL INFORMATION:

- SUPPLIED WITH HI-TENSILE VACUUM WIRE FOR SUCTION AND DELIVERY APPLICATIONS.
- FULL VACUUM RATING.
- ANTI-STATIC LINER PREVENTS BUILD UP OF ELECTROSTATIC CHARGE.
- EXTREMELY FLEXIBLE IN APPLICATION.
- AVAILABLE WITH VIRTUALLY SMOOTH BORE FOR OPTIMUM FLOW AND SELF-CLEANING PROPERTIES.
- EXCELLENT RESISTANCE TO CHEMICALS*, STEAM, SOLVENTS AND FUELS.
- NON TOXIC FOOD QUALITY LINING.
- TEMPERATURE RANGE: -60°C TO +260°C.
- SIZE RANGE: 6MM THROUGH TO 50MM BORE.
- PRESSURE RATING: 2500PSI (6MM) TO 333PSI (51MM)
- SUPPLIED AS FACTORY FITTED ASSEMBLY.

*Please contact Integraflex for details



03 CONVOLUTED PTFE HOSES - POLYMER OVERBRAID

TECHNICAL INFORMATION:

- POLYMER BRAID IS IDEAL FOR APPLICATIONS WHERE REGULAR HANDLING OF THE HOSE IS REQUIRED.
- EXTREMELY FLEXIBLE IN APPLICATION.
- AVAILABLE WITH VIRTUALLY SMOOTH BORE FOR OPTIMUM FLOW AND SELF-CLEANING PROPERTIES.
- EXCELLENT RESISTANCE TO CHEMICALS*, STEAM, SOLVENTS AND FUELS.
- NON TOXIC FOOD QUALITY LINING.
- TEMPERATURE RANGE: -60°C TO +260°C.
- SIZE RANGE: 6MM THROUGH TO 50MM BORE.
- PRESSURE RATING: 2500PSI (6MM) TO 333PSI (51MM)
- SUPPLIED AS FACTORY FITTED ASSEMBLY.

*Please contact Integraflex for details



04 CONVOLUTED PTFE S&D HOSES - STAINLESS STEEL OVERBRAID

TECHNICAL INFORMATION:

- SUPPLIED WITH HI-TENSILE VACUUM WIRE FOR SUCTION AND DELIVERY APPLICATIONS.
- FULL VACUUM RATING.
- ANTI-STATIC LINER PREVENTS BUILD UP OF ELECTROSTATIC CHARGE.
- EXTREMELY FLEXIBLE IN APPLICATION.
- AVAILABLE WITH VIRTUALLY SMOOTH BORE FOR OPTIMUM FLOW AND SELF-CLEANING PROPERTIES.
- EXCELLENT RESISTANCE TO CHEMICALS*, STEAM, SOLVENTS AND FUELS.
- NON TOXIC FOOD QUALITY LINING.
- TEMPERATURE RANGE: -60°C TO +260°C.
- SIZE RANGE: 6MM THROUGH TO 50MM BORE.
- PRESSURE RATING: 2500PSI (6MM) TO 333PSI (51MM)

ACCESSORIES

- **RUBBER COVER** – Can be supplied with a range of rubber covers such as EPDM, NEOPRENE or NATURAL to offer external protection or to aid identification on site.
- **SILICONE HYGIENIC COVER** – Smooth FDA approved silicone rubber is ideal for food/pharmaceutical environments where a wipe-clean surface is required.
- **SCUFFSTRIP** – We can supply rubber, thermoplastic or metal helical protection to the outside of the hose assembly which offers improved resistance to mechanical damage when hoses are frequently moved (dragged) across the floor.
- **BOUNCE RINGS** – Can be fitted along the length of the hose but offer particular protection to expensive couplings.

CHOOSE YOUR END FITTINGS:

- **CAM COUPLINGS** – including PTFE lined and locking versions.
- **FLANGES** – ASA150/300 – ASA 600 BST table D, E, F & J, PN16 fixed, swivel and PTFE lined (tafted).
- **BSPP/BSPT/NPT** Flat faced or cone seat. Straight and 90° bends.
- **Tri-Clamp 316L Hygienic.**
- **DIN 11851 316L Hygienic.**
- **SMS 316L Hygienic.**
- **RJT BS4825 316L Hygienic.**
- **DIP PIPES.**

PTFE LINED HOSES



What are the benefits of using PTFE as a hose material?

- **Excellent chemical resistance** – virtually inert and unaffected by most chemicals.
- **Wide operating temperature** -70°C to +260°C.
- **Non – flammable:** UL94V-0 rated.
- **Non – toxic** FDA approved resin – suitable for food, drink & pharmaceutical applications
- **Low coefficient of friction** makes PTFE virtually 'self cleaning' and ensures low pressure drop
- **Excellent resistance to U.V and Ozone.**
- **Excellent resistance to flexing.**
- **Low permeability.**

FAST SUPPLY!

PTFE HOSES ARE ALWAYS SUPPLIED
AS FACTORY FITTED ASSEMBLIES

Email: sales@integraflex.co.com

steam hose



01 PRESSURE WASH HOSE ASSEMBLIES

Integraflex manufacture a range of hose assemblies for pressure washers and for wash down applications in sterile environments such as dairies, abattoirs meat preparation, breweries etc.

Available in any length you require, we can swage on standard bsp fittings, karcher/kew/alto type (m22 x 1.5) As well as end cuffs and supply various lances/wash guns.

Available in standard black and blue (non marking) covers and 1 & 2 wire options depending on the pressure requirements of your machine/system.

1-WIRE: 50BAR WORKING PRESSURE

2-WIRE: 400BAR WORKING PRESSURE

TEMPERATURE RATING: 150°C



02 17 BAR RED WIRE REINFORCED STEAM

Order Ref: SHR-SIZE MM

TECHNICAL INFORMATION:

TUBE: EPM RUBBER, RESISTANT TO STEAM UP TO 236°C.

REINFORCEMENT: HIGH TENSILE STEEL WIRE BRAIDING.

COVER: ABRASION, HEAT, STEAM, OIL, OZONE AND WEATHER RESISTANT, PIN-PRICKED SPECIAL SYNTHETIC RUBBER.

APPLICATION: FOR SUPER HEATED STEAM SERVICE IN CHEMICAL PLANTS, STEEL MILL, REFINERIES, SHIPYARDS AND ALL INDUSTRIES.

SPECIFICATION: BS5342/2.



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	12.7	25	17	247	170	2465	180	551	40
3/4	19	32	17	247	170	2465	240	742	40
1	25.4	38.5	17	247	170	2465	300	971	40
1 1/4	32	46	17	247	170	2465	400	1304	40
1 1/2	38	52	17	247	170	2465	500	1633	40
2	50.8	67	17	247	170	2465	650	2533	40



03 HOT WATER DAIRY WASH

Order Ref: DWH-SIZE MM

TECHNICAL INFORMATION:

TUBE: NBR WHITE SMOOTH FOOD QUALITY.

REINFORCEMENT: HIGH TENSILE TEXTILE CORD.

COVER: NBR BLUE SMOOTH WITH CLOTH IMPRESSION.

APPLICATION: DAIRY WASHDOWN HOSE RESISTANT AGAINST ALCOHOL AND BACTERIA FDA APPROVED MATERIAL.

TEMPERATURE RANGE: -35°C TO +95°C



INCH	MM	MM	BAR	BAR	MM	GR/MT	MT
1/2	13	23	7	70	91	400	30
3/4	19	31	7	70	133	600	30
1	25	37	7	70	175	800	30



04 7 BAR BLACK TEXTILE REINFORCED STEAM

Order Ref: SHB-SIZE MM

TECHNICAL INFORMATION:

TUBE: EPM RUBBER, RESISTANT TO STEAM UP TO 170°C.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, HEAT, STEAM, OZONE AND WEATHER RESISTANT, PIN-PRICKED SPECIAL SYNTHETIC RUBBER.

APPLICATION: FOR SATURATED STEAM SERVICE.

SPECIFICATION: BS5122/A2.

TEMPERATURE RANGE: -40°C TO +170°C.



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	12.7	24	7	102	70	1015	80	387	40
5/8	16	30	7	102	70	1015	100	589	40
3/4	19	33	7	102	70	1015	135	665	40
1	25.4	39.5	7	102	70	1015	170	828	40
1 1/4	32	47	7	102	70	1015	240	1103	40
1 1/2	38	53	7	102	70	1015	300	1269	40
2	50.8	67.5	7	102	70	1015	375	1827	40

steam couplings

HIGH PRESSURE AIR & STEAM COUPLINGS & CLAMPS



05 HOSE STEM C/W WING NUT

SIZE	PART#
1/2"	SF50
3/4"	SF75
1"	SF100
1 1/4"	SF125
1 1/2"	SF150
2"	SF200

FEMALE SPUD, AVAILABLE IN BSPP OR NPT THREAD



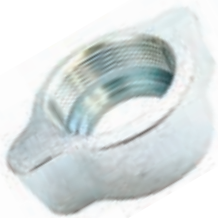
06 HOSE STEM ONLY

SIZE	PART#
1/2"	FS50
3/4"	FS75
1"	FS100
1 1/4"	FS125
1 1/2"	FS150
2"	FS200

07 FEMALE SPUD ONLY

SIZE	PART#
1/2"	FSP50
3/4"	FSP75
1"	FSP100
1 1/4"	FSP125
1 1/2"	FSP150
2"	FSP200

AVAILABLE IN BSPP OR NPT



08 WING NUT ONLY

SIZE	PART#
1/2"	WN50
3/4" & 1"	WN75
1 1/4"	WN125
1 1/2"	WN150
2"	WN200



09 MALE STEM

SIZE	PART#
1/2"	MS50
3/4"	MS75
1"	MS100
1 1/4"	MS125
1 1/2"	MS150
2"	MS200

AVAILABLE IN BSPP OR NPT



10 SAFETY BOLT CLAMPS

SIZE	PART#
(24-27mm)	BC4
(33-38mm)	BC9
(30-33mm)	BCU9
(39-43mm)	BCU14
(45-53mm)	BCU19
(55-60mm)	BCU24
(63-71mm)	BCU29

STEAM LANCES

01 STEAM LANCES

Integraflex supply a robust heavy duty galvanized steam lance that allows operators to safely use high temperature steam when cleaning, degreasing, sterilizing and de-frosting pipelines and vessels on plant. Supplied with handles to isolate the operator from the radiant heat, and a perforated shroud for safety, the lance comes as standard with a 3/4" bsp female inlet, however we can supply with stainless steel swivel assemblies which prevent twisting & kinking of steam hose in use. Integraflex steam lances can also be tested by us as part of your hose management programme.



SECURITY INSTRUCTIONS FOR STEAM HOSES

Selection of Steam Hose

Make sure that the selected hose satisfies steam hose construction requirements. The permanent branding on the hose outer cover must give hose identification information. You must identify the type of service the steam hose is being asked to accomplish.

- Is the hose manually handled? • What is the anticipated frequency of use? • What is the pressure of the steam service?
- Is it subject to peak pressures? • What is the temperature of the steam? • Saturated or superheated steam?
- Specify the external conditions in the area where the hose will be serviced • You should know that accumulation of corrosive petroleum or chemical based materials externally can have a deteriorating effect on hose cover.

Installation of Steam Hose

- It is necessary to avoid the alternative use of the hose as water and steam which causes a phenomenon of 'popcorn'.
- You must ensure that the hose couplings are designed for steam hose service • Steam hose couplings use a bolt-on outside clamp which can be retightened as necessary over the service life of the hose - follow the coupling manufacturer's instructions for coupling attachment - check tightness with each use • Avoid extreme bending of the hose near the coupling • Provide a suitable means of storing the hose when not in use - a permanent tray will minimize the damage to the hose in storage
- Do not hang the hose on a hook, nail or other device which could damage the hose.

Safety

- The operators must use gloves, rubber boots, full length protective clothing and eye protection - the objective is to provide protection from scalding burns resulting from splash-back of steam • The working area must be free of hazards and other clutter
- Check tightness of coupling bolts with each use • Turning off the pressure, when the hose is not in service, can provide dramatic increases in steam hose service life.

Periodic Maintenance and Control of Steam Hose

All steam hoses are expected to wear out in a time period. It's important to continually check the hose for deterioration to the point where it can no longer provide safe service. The operator should be aware of the following signs of trouble:

- Cover blister or lumps • Cuts in the outside of the hose which expose the reinforcement • Steam leakages at the coupling ends or anywhere along the length of the hose • Flattened or kinked areas which have damaged the hose
- Steam flow reduction indicates that the tube is swelling

When any of the above abnormalities appear it is good safety practice to immediately remove the hose from service. Once removed, the hose can be carefully inspected before further use. Steam hose failures frequently occur near the ends due to flexing and strain at the couplings. In these cases the hose can usually be cut back and recoupled, providing additional service life. When the hose is subject to continuous high pressure/temperature service should be inspected periodically for signs of tube hardening. In most cases it is necessary to remove a coupling for tube inspection.

Safety Warning

Contact with steam is dangerous and if not properly handled, steam can cause damage to property, serious injuries and even death. In order to avoid damage to property, serious injury or death you must select the proper steam hose for the given application. Appropriate installation, usage and maintenance of the steam hose you select will contribute to increasing operator safety. The following information is offered to assist you in each area.

Cleaning

It can be washed and sterilised with usual detergents or steam cleaned to a temperature of +120°C (+248°F) for short periods.

Recommendations

The hose must be left empty after use.

food & pharmaceutical hose



01 NON-TOXIC STEEL SPIRAL PVC

Order Ref: BWR-SIZE MM

TECHNICAL INFORMATION:

CONSTRUCTION: STRONG, VERY FLEXIBLE & SMOOTH, NON-TOXIC, TRANSPARENT PLASTICISED PVC, SHOCK RESISTANT GALVANISED SPIRAL, ABRASION AND WEATHER RESISTANT, SMOOTH OUTSIDE.

REINFORCEMENT: GALVANISED STEEL WIRE HELIX.

APPLICATION: FOR SUCTION AND DELIVERY OF WATER, MINERAL WATER, FRUIT JUICES, LIQUIDS.

TEMPERATURE RANGE: -5°C TO +60°C



INCH	MM	BAR	M.H2O	MM	GR/MT	MT
1/2	12	21	8.5	25	180	30/10
3/4	20	15	8.5	50	340	30/10
1	25	15	8.5	60	510	30/10
1 1/4	32	13	8.5	75	650	30/10
1 1/2	38	12	8.5	90	800	30/10
2	51	9	8	125	1200	30/10
2 1/2	63	7	7	150	1950	30/10
3	76	6	7	195	2500	30/10
4	102	6	6	300	3400	30/10



05 MILK & VEGETABLE OIL SUCTION & DELIVERY

Order Ref: BMH-SIZE MM

TECHNICAL INFORMATION:

TUBE: WHITE COLOUR NON-TOXIC, TASTE AND ODOUR FREE, VEGETABLE OIL RESISTANT.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE & STEEL WIRE HELIX.

COVER: OIL, WEATHER, OZONE AND ABRASION RESISTANT.

APPLICATION: SUCTION & DISCHARGE OF MILK VEGETABLE OIL & BEVERAGES.

TEMPERATURE RANGE: -40°C TO +80°C



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	G/M	M
2	50.8	66	10	145	30	435	-0.93	306	2281	40
2 1/2	63.5	78.5	10	145	30	435	-0.93	381	2822	40
3	76.2	93	10	145	30	435	-0.93	457	3767	40



02 VENUS (FOODSTUFF SUCTION & DELIVERY)

Order Ref: VEN-SIZE MM

TECHNICAL INFORMATION:

TUBE: WHITE COLOUR NON-TOXIC, TASTE & ODOUR FREE, NATURAL RUBBER

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE AND STEEL WIRE HELIX

COVER: WEATHER, OZONE & ABRASION RESISTANT, SPECIAL SYNTHETIC RUBBER

APPLICATION: FOR SUCTION AND DISCHARGE OF FOODSTUFF, SUCH AS WATER, FRUIT JUICES, WINE ETC. NOT RECOMMENDED FOR OILY OR FATTY FOODS.

TEMPERATURE RANGE: -40°C TO +80°C

Materials in accordance with European and FDA requirements
Sterilization: max.110°C for 15 minutes with steam, max 40°C for 15 minutes with caustic soda (5%)



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	GR/MT	MT
1	25.4	36	6	87	18	261	-0.92	70	824	40
1 1/4	32	43	6	87	18	261	-0.92	85	1100	40
1 1/2	38	49	6	87	18	261	-0.92	100	1394	40
2	50.8	62.5	6	87	18	261	-0.92	140	1901	40
2 1/2	63.5	74.5	6	87	18	261	-0.92	250	2220	40
3	76.2	89	6	87	18	261	-0.92	310	2986	40



03 BREWERS DELIVERY

Order Ref: BDH-SIZE MM

TECHNICAL INFORMATION:

TUBE: WHITE COLOUR NON-TOXIC, TASTE AND ODOUR FREE, SPECIAL SYNTHETIC EPDM RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: WEATHER, OZONE, AND ABRASION RESISTANT, COLOURED SPECIAL SYNTHETIC RUBBER.

APPLICATION: FOR DELIVERY OF BEVERAGES SUCH AS MINERAL WATER, BEER, FRUIT JUICES, WINE AND LIQUEURS.

TEMPERATURE RANGE: -40°C TO +80°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	13	24	10	145	30	435	130	465	40
3/4	19	30	10	145	30	435	190	572	40
1	25.4	37	10	145	30	435	254	739	40
1 1/4	32	44	10	145	30	435	320	928	40
1 1/2	38	51	10	145	30	435	380	1165	40
1 3/4	44.5	57.5	10	145	30	435	445	1336	40
2	50.8	65	10	145	30	435	510	1628	40
2 1/2	63.5	77.5	10	145	30	435	635	2012	40
3	76.2	92	10	145	30	435	762	2698	40
4	101.6	117.5	10	145	30	435	1016	3556	40



04 FOOD QUALITY BRAIDED PVC

Order Ref: CBPVC-SIZE MM

TECHNICAL INFORMATION:

TUBE: TRANSPARENT PLASTICISED PVC.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: ABRASION, OZONE, & WEATHER RESISTANT TRANSPARENT PVC.

TEMPERATURE RANGE: -20°C TO +65 °C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	11	15	225	15	45	-	-	30
5/16	8	13	15	225	15	45	-	-	30
3/8	10	14.6	12	180	12	36	-	-	30
1/2	12.5	16.5	12	180	12	36	-	-	30
5/8	16	20.3	10	150	10	30	-	-	30
3/4	19	23.5	10	150	10	30	-	-	30
1	25	30.5	9	135	9	27	-	-	30
1 1/4	32	38.3	6	90	6	18	-	-	30
1 1/2	38	48	6	90	6	18	-	-	30
2	50	62	3	45	6	9	-	-	30



06 SILICONE TUBE

TECHNICAL INFORMATION:

TUBE: MANUFACTURED FROM FDA AND WRC APPROVED INGREDIENTS WHICH ARE NON-TOXIC AND SUITABLE FOR USE IN FOOD, MEDICAL AND PHARMACEUTICAL APPLICATIONS.

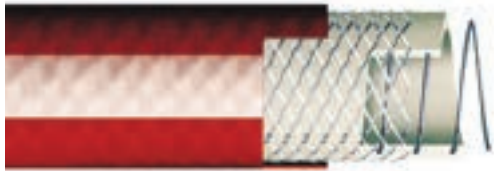
REINFORCEMENT: POLYESTER FIBRE.

COVER: CLEAR SILICONE RUBBER.

APPLICATION: SUITABLE FOR HYGENIC APPLICATIONS WHERE PRESSURE RESISTANCE IS REQUIRED.

TEMPERATURE RANGE: -100°C TO +260°C

food & pharmaceutical hose



07 PLUTONE PF FOOD S & D

Order Ref: PLUTONE PF-SIZE MM

TECHNICAL INFORMATION:

FEATURES: FOOD GRADE PP/EPDM HOSE REINFORCED BY STEEL WIRE AND HIGH TENACITY POLYESTER YARN. VERY FLEXIBLE, LIGHT AND EASY TO HANDLE. HIGH RESISTANCE TO WEATHER, AGEING. CAN BE STEAM STERILISED.

APPLICATION: SUCTION AND DELIVERY OF FOOD PRODUCTS (EXCLUDING FATTY FOODS) AND ALCOHOL UP TO A MAXIMUM CONTENT OF 50%.

MEETS EC DIRECTIVES AND REGULATIONS*.

TEMPERATURE RANGE: -35°C TO +100°C



08 ARIANNA BIO

Order Ref: ARIBIO-SIZE MM

TECHNICAL INFORMATION:

FEATURES: FLEXIBLE HOSE MADE WITH A REVOLUTIONARY BIOLOGICAL PVC, COMING FROM RENEWABLE NATURAL SOURCES. HIGH TENACITY POLYESTER REINFORCEMENT. FOOD GRADE ACCORDING TO THE EUROPEAN 1935/2004/CE AND ITS AMENDMENTS, CLASSES A, B, C. FURTHERMORE THE HOSE IS COMPLIANT WITH FDA REGULATIONS. COMPLETELY FREE OF PHTHALATES AND OTHER SYNTHETIC PLASTICISERS.

APPLICATION: DELIVERY OF FOOD GRADE LIQUIDS.

TEMPERATURE RANGE: -10°C TO +60°C



09 PLUTONE BIO

Order Ref: PLUBIO-SIZE MM

TECHNICAL INFORMATION:

FEATURES: FLEXIBLE HOSE MADE WITH A REVOLUTIONARY BIOLOGICAL PVC, COMING ALMOST TOTALLY FROM NATURAL RENEWABLE SOURCES. STEEL SPIRAL LINER AND COVER COMPLETELY SMOOTH. FOOD GRADE ACCORDING TO THE EUROPEAN 2002/72/CE AND ITS AMENDMENTS, CLASSES A, B, C. COMPLETELY FREE OF PHTHALATES AND OTHER SYNTHETIC PLASTICISERS.

APPLICATION: DELIVERY OF FOOD AND LIQUIDS (EXCEPT FATTY FOOD) WITH MAX. ALCOHOL CONTENT OF 15% ACCORDING TO EUROPEAN DIRECTIVES.

TEMPERATURE: -10°C TO +60°C



10 PLUTONE PRESS BIO

Order Ref: PLUPRESSBIO-SIZE MM

TECHNICAL INFORMATION:

FEATURES: ENCAPSULATED HI-TENSILE REINFORCEMENT OFFERS MUCH IMPROVED PRESSURE RATING OVER STANDARD PLUTONE BIO. FLEXIBLE HOSE MADE WITH A REVOLUTIONARY BIOLOGICAL PVC, COMING ALMOST TOTALLY FROM NATURAL RENEWABLE SOURCES. STEEL SPIRAL LINER AND COVER COMPLETELY SMOOTH. FOOD GRADE ACCORDING TO THE EUROPEAN 2002/72/CE AND ITS AMENDMENTS, CLASSES A, B, C. COMPLETELY FREE OF PHTHALATES AND OTHER SYNTHETIC PLASTICISERS.

APPLICATION: TO DELIVER LIQUIDS AND SUBSTANCES IN THE FOOD INDUSTRY (EXCEPT FATTY FOOD) LIKE DRINKS, JUICES, WINE, VINEGAR AND SPIRITS WITH MAX. ALCOHOL CONTENT OF 15% ACCORDING TO EUROPEAN DIRECTIVES.

TEMPERATURE: -10°C TO +60°C



MM	MM	G/M	BAR	BAR	MH2O	MM	M	M3
25	35	540	10	30	9.5	100	60	0.135
32	43	730	10	30	8.5	130	60	0.214
38	49	850	10	30	8.5	150	30	0.228
40	51	890	10	30	8.5	160	30	0.223
50	63	1390	10	30	8	250	30	0.286
63*	77	1820	10	30	8	320	30	0.372
76*	91	2260	10	30	7	380	30	0.603
80*	95	2350	10	30	7	400	20	0.498
102*	118	3280	10	30	7	510	20	0.801



MM	MM	G/M	BAR	BAR	MM	M	M3
6	12	105	20	60	30	100	0.025
8	14	125	20	60	40	100	0.032
10	16	150	16	48	50	100	0.041
12	18	175	12	36	60	100	0.050
13	19	185	11	33	70	100	0.058
16	22	220	10	30	80	50	0.041
19	26	300	9	27	100	50	0.075
25	33	445	8	24	130	50	0.107
30	38	520	6	18	150	50	0.135
32	42	705	5	15	160	50	0.146
38	48	820	4	12	190	50	0.271
40	50	855	4	12	200	50	0.303
50	62	1280	4	12	250	50	0.391



MM	MM	G/M	BAR	BAR	MH2O	MM	M	M3
6	12.2	130	5.0	25	9.5	30	60	0.019
8	14.2	160	5.0	25	9.5	40	60	0.022
10	16.0	185	7.0	35	8.5	50	60	0.028
12	18.0	210	7.0	35	8.5	50	60	0.033
13	19	220	7.0	35	8.5	60	60	0.038
14	20.0	230	7.0	35	8.5	60	60	0.039
16	22.4	275	7.0	35	8.5	70	60	0.048
18	24.4	300	6.0	30	8.5	80	60	0.066
20	27.0	355	6.0	30	8.5	90	60	0.082
22	29.0	390	6.0	30	8.5	100	60	0.093
25	33.0	510	6.0	30	8.5	110	60	0.111
30	38.0	600	5.0	25	8.5	140	60	0.150
32	40.4	665	5.0	25	8.5	140	60	0.170
35	43.4	710	5.0	25	8.5	160	60	0.188
38	47.0	805	5.0	25	8.5	170	30	0.114
40	49.2	880	5.0	25	8.5	180	30	0.125
45	54.8	1135	4	20	8	200	30	0.177
50	60.0	1275	4.0	20	8	230	30	0.210
51	60.8	1295	4.0	20	8	230	30	0.212
60	71.8	1745	3.5	17.5	8	270	30	0.284
63	74.8	1830	3.5	17.5	8	280	30	0.281
70	82	2070	3.5	17.5	7	320	30	0.342
76	88.2	2275	3.5	17.5	7	340	30	0.490
80	92.2	2400	3.5	17.5	7	360	20	0.356
90	103	3025	3	15	7	410	20	0.415
102	115	3490	2	10	7	460	20	0.517
105	118	3600	2	10	7	470	20	0.530



MM	MM	G/M	BAR	BAR	MH2O	MM	M	M3
12	20	275	20	60	10	36	60	0.039
20	29	470	18	54	10	60	60	0.106
25	35	650	15	45	10	75	60	0.135
32	43	880	13	39	9	96	60	0.214
35	46	955	13	39	9	105	60	0.225
38	49	1025	13	39	9	110	30	0.228
40	51	1070	13	39	9	120	30	0.233
50	63	1615	8	24	8	150	30	0.286
60*	74	2035	7	21	8	180	30	0.363
63*	77	2130	7	21	8	190	30	0.372
76*	91	2660	6	18	7	230	30	0.603
102*	118	3800	4	12	7	310	20	0.801

BIO - PVC PRODUCTS

Integraflex Yorkshire are proud to introduce a range of PVC products manufactured using revolutionary new technology which means the compounds used in manufacture are derived from vegetable oils and not hydrocarbons.

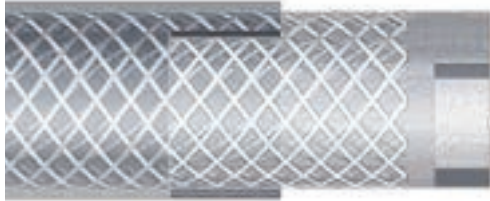
The hoses however offer all the usual characteristics of PVC, are completely free of phthalates and fully approved for use in the food & pharmaceutical industry sector.

Improve your company's carbon footprint and support renewable technology.

FIT FOR FITTING?

INTEGRAFLEX YORKSHIRE ARE SPECIALISTS IN HOSE ASSEMBLIES, WHY NOT GET YOUR ASSEMBLIES MANUFACTURED BY US.

food & pharmaceutical hose



01 PHMAPRESS

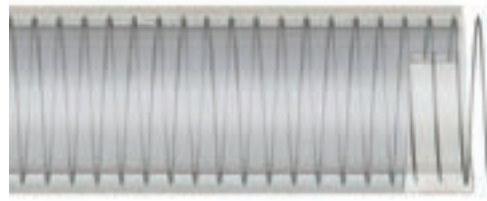
Order Ref: PH-PRESS-SIZE MM

TECHNICAL INFORMATION:

FEATURES: PERFECTLY SMOOTH LINER AND COVER ENSURE OPTIMUM FLOW OF FOOD GRADE CONVEYANCE. DEVELOPED TO BE USED IN THE PHARMACEUTICAL INDUSTRY ACCORDING TO USP CLASS VI. FOOD GRADE ACCORDING TO 2002/72/CE, CLASSES A, B, C, D (INCLUDING DAIRY PRODUCTS AND LIQUIDS AND ALCOHOL WITH MAX 50% CONTENT); ALSO COMPLIES WITH FDA REGULATIONS (TITLE 21 CFR 177.1680 E 177.2600). ODOURLESS, WILL NOT TAINT MATERIALS BEING TRANSFERRED. VERY GOOD HYDROLYSIS AND MICROBES RESISTANCE. GOOD RESISTANCE TO MINERAL OILS AND CHEMICALS, EXCELLENT RESISTANCE TO OZONE, WEATHER AND AGEING. HALOGEN FREE AND CONFORMS TO ROHS REGULATIONS. THE HOSE CAN BE STERILISED IN AN AUTOCLAVE AT 121°C AND SUITABLE FOR CIP CLEANING.

APPLICATION: DELIVERY OF LIQUIDS AND FLUIDS IN THE PHARMACEUTICAL AND COSMETICS INDUSTRIES. DELIVERY OF FOOD MATERIAL INCLUDING FATTY FOODS. FOR DRINKS INCLUDING WINE, BEER AND SPIRITS WITH MAX 50% ALCOHOL CONTENT.

TEMPERATURE RANGE: -30°C TO +125°C



02 PHMASTEEL

Order Ref: PH-STEEL-SIZE MM

TECHNICAL INFORMATION:

FEATURES: FOOD GRADE THERMOPLASTIC HOSE WITH EMBEDDED HI-TENSILE STAINLESS STEEL HELICAL WIRE FOR FULL VACUUM APPLICATIONS. PERFECTLY SMOOTH LINER AND COVER ENSURE OPTIMUM FLOW OF FOOD GRADE CONVEYANCE. DEVELOPED TO BE USED IN THE PHARMACEUTICAL INDUSTRY ACCORDING TO USP CLASS VI. FOOD GRADE ACCORDING TO 2002/72/CE, CLASSES A, B, C, D (INCLUDING DAIRY PRODUCTS AND LIQUIDS AND ALCOHOL WITH MAX 50% CONTENT); ALSO COMPLIES WITH FDA REGULATIONS (TITLE 21 CFR 177.1680 E 177.2600). ODOURLESS, WILL NOT TAINT MATERIALS BEING TRANSFERRED. VERY GOOD HYDROLYSIS AND MICROBES RESISTANCE. GOOD RESISTANCE TO MINERAL OILS AND CHEMICALS, EXCELLENT RESISTANCE TO OZONE, WEATHER AND AGEING. HALOGEN FREE AND CONFORMS TO ROHS REGULATIONS. THE HOSE CAN BE STERILISED IN AN AUTOCLAVE AT 121°C AND SUITABLE FOR CIP CLEANING.

APPLICATION: SUCTION AND DELIVERY OF LIQUIDS, FLUIDS, POWDERS AND GRANULES IN THE FOOD, PHARMACEUTICAL AND COSMETICS INDUSTRIES. DELIVERY OF FOOD MATERIAL INCLUDING FATTY FOODS. FOR DRINKS INCLUDING WINE, BEER AND SPIRITS WITH MAX 50% ALCOHOL CONTENT.

TEMPERATURE RANGE: -30°C TO +125°C



03 PLUTONE PU PRESS

Order Ref: PL-PUPRESS-SIZE MM

TECHNICAL INFORMATION:

FEATURES: ETHER BASED POLYURETHANE HOSE REINFORCED WITH STAINLESS STEEL HELIX AND HI-TENSILE REINFORCEMENT FOR IMPROVED PRESSURE RESISTANCE. PERFECTLY SMOOTH LINER AND COVER ENSURE OPTIMUM FLOW OF FOOD GRADE CONVEYANCE. DEVELOPED TO BE USED IN THE PHARMACEUTICAL INDUSTRY ACCORDING TO USP CLASS VI. FOOD GRADE ACCORDING TO 2002/72/CE, CLASSES A, B, C, D (EXCLUDING DAIRY PRODUCTS) AND LIQUIDS AND ALCOHOL WITH MAX 15% CONTENT); ALSO COMPLIES WITH FDA REGULATIONS (TITLE 21 CFR 177.1680 E 177.2600). ODOURLESS, WILL NOT TAINT MATERIALS BEING TRANSFERRED. VERY GOOD HYDROLYSIS AND MICROBES RESISTANCE. GOOD RESISTANCE TO MINERAL OILS AND CHEMICALS, EXCELLENT RESISTANCE TO OZONE, WEATHER AND AGEING. HALOGEN FREE AND CONFORMS TO ROHS REGULATIONS.

APPLICATION: SUCTION AND DELIVERY HOSE FOR THE PHARMACEUTICAL AND THE FOOD INDUSTRY INCLUDING PILLS, GRANULES, PHARMACEUTICAL SOLUTIONS, FOOD, FLOUR, FRUIT JUICE, WINE, VINEGAR AND ALCOHOL WITH MAX 15% CONTENT. DELIVERY OF ABRASIVE MATERIALS, WHERE MICROBE RESISTANCE IS REQUIRED.

TEMPERATURE RANGE: -40°C TO +90°C, (+125°C INTERMITTENT).



04 PHARMASIL/TPU

Order Ref: PHSIL-SIZE MM

TECHNICAL INFORMATION:

FEATURES: PHARMASIL A UNIQUE COMBINATION OF SILICONE AND POLYURETHANE POLYMERS REINFORCED WITH A STAINLESS STEEL SPIRAL AND HI-TENSILE FABRIC REINFORCEMENT. SILICONE IS IDEAL FOR HYGIENIC/BIOPHARM ENVIRONMENTS WHERE A WIPE CLEAN SMOOTH COVER IS REQUIRED. POLYURETHANE BLEND OFFERS SIGNIFICANTLY BETTER ABRASION RESISTANCE THAN STANDARD SILICONE, MAKING PHARMASIL MORE SUITABLE FOR APPLICATIONS WHERE ABRASIVE MEDIA NEEDS TO BE TRANSFERRED. PERFECTLY SMOOTH LINER AND COVER ENSURE OPTIMUM FLOW OF FOOD GRADE CONVEYANCE. DEVELOPED TO BE USED IN THE PHARMACEUTICAL INDUSTRY ACCORDING TO USP CLASS VI. FOOD GRADE ACCORDING TO 2002/72/CE, CLASSES A, B, C, D (EXCLUDING DAIRY PRODUCTS) AND LIQUIDS AND ALCOHOL WITH MAX 15% CONTENT); ALSO COMPLIES WITH FDA REGULATIONS (TITLE 21 CFR 177.1680 E 177.2600). ODOURLESS, WILL NOT TAINT MATERIALS BEING TRANSFERRED. VERY GOOD HYDROLYSIS AND MICROBES RESISTANCE. GOOD RESISTANCE TO MINERAL OILS AND CHEMICALS, EXCELLENT RESISTANCE TO OZONE, WEATHER AND AGEING. HALOGEN FREE AND CONFORMS TO ROHS REGULATIONS.

APPLICATION: SUCTION AND DELIVERY HOSE FOR THE PHARMACEUTICAL AND THE FOOD INDUSTRY INCLUDING PILLS, GRANULES, PHARMACEUTICAL SOLUTIONS, FOOD, FLOUR, FRUIT JUICE, WINE, VINEGAR AND ALCOHOL WITH MAX 15% CONTENT. DELIVERY OF ABRASIVE MATERIALS, WHERE MICROBE RESISTANCE IS REQUIRED.

TEMPERATURE RANGE: -40°C TO +100°C (+125°C INTERMITTENT)

ID	OD	W/A	WP	BP	VACUUM	BR	COIL	VOLUME
MM	MM	G/M	BAR	BAR	MH20	MM	M	M3
6.4	12.6	85	12	40	100	0.028		
7.9	14.6	110	15	60	100	0.036		
9.5	16.3	125	14	70	100	0.042		
12.7	20.1	170	10	90	100	0.061		
15.9	24.4	240	9	110	50	0.051		
19	27.9	295	9	130	50	0.087		
25.4	34.5	385	7	180	50	0.110		

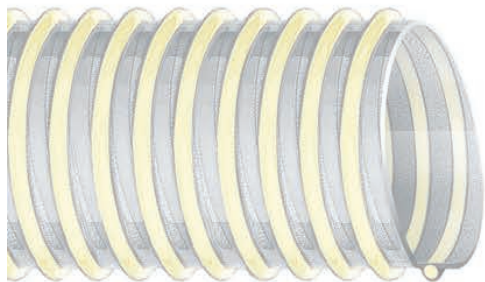
ID	OD	W/A	WP	BP	VACUUM	BR	COIL	VOLUME
MM	MM	G/M	BAR	BAR	MH20	MM	M	M3
13	19	175	2.7	13.5	8.5	60	60	0.038
16	22.4	220	2.3	11.5	8.5	70	60	0.048
19	26	265	2.3	11.5	8.5	90	60	0.071
25	33	400	1.5	7.6	8.5	110	60	0.111
32	40.4	520	1.5	7.6	8.5	140	60	0.171
38	47	635	1.2	6.2	8.5	170	30	0.114
51	61	1035	1.0	4.8	8	230	30	0.213

ID	OD	W/A	WP	BP	VACUUM	BR	COIL	VOLUME
MM	MM	G/M	BAR	BAR	MH20	MM	M	M3
13	23.5	365	19	57	10	65	60	0.085
20	32	585	19	57	10	100	60	0.127
25	37.5	745	12	36	10	125	60	0.159
32	44	880	11	33	9	160	60	0.218
38	51	1105	10	30	9	190	30	0.233
50	65	1695	10	30	8	250	30	0.291

ID	OD	W/A	WP	BP	VACUUM	BR	COIL	VOLUME
MM	MM	G/M	BAR	BAR	MH20	MM	M	M3
13	23.5	365	16	48	10	65	60	0.055
20	32	585	13	39	10	100	60	0.127
25	37.5	745	12	36	10	125	60	0.159
32	44	880	11	33	9	160	60	0.286
38	51	1105	10	30	9	190	30	0.233
50	65	1695	8	24	8	250	30	0.291

Call: 0114 321 0756

food & pharmaceutical hose & fittings



05 ZEUS PU FOOD

Order Ref: ZEUS-PU-SIZE MM

TECHNICAL INFORMATION:

FEATURES: ETHER BASED PU WALL. FOOD GRADE, WITH ANTISHOCK RIGID PVC SPIRAL. SMOOTH INSIDE, CORRUGATED OUTSIDE. LIGHT, FLEXIBLE, EXTREMELY RESISTANT TO ABRASION AND BENDING. THIS HOSE FEATURES HIGH MECHANICAL PROPERTIES. RESISTANT TO MANY CHEMICALS. FOOD GRADE ACCORDING TO THE EUROPEAN REGULATION 2002/72/CE (CLASSES A, B, C, D INCLUDING DAIRY PRODUCTS AND LIQUIDS WITH MAX 50% ALCOHOL CONCENTRATION).

APPLICATION: SUCTION AND DELIVERY OF FOOD PRODUCTS AND LIQUIDS. INCLUDING SUGAR, FLOUR, GRAINS AND ANIMAL FEEDS.

TEMPERATURE RANGE: -20°C TO +80°C

ALSO AVAILABLE IN AN ANTISTATIC VERSION.

ID	Min. Wall Thickness	Max. Wall Thickness	W/A	WP	BP	VACUUM	BR	COIL	VOLUME
MM	MM	MM	G/M	BAR	BAR	MH20	MM	M	M3
30	1.2	3.7	320	3.0	9	9	130	30	0.091
31.8	1.2	3.8	340	3.0	9	9	140	30	0.101
35	1.3	3.8	380	3.0	9	9	160	30	0.109
38.1	1.3	3.8	410	3.0	9	9	180	30	0.117
40	1.5	4.6	490	3.0	9	9	190	30	0.139
45	1.5	4.7	570	3.0	9	8	200	30	0.154
50.8	1.5	5.3	700	3.0	9	8	215	30	0.215
60	1.5	5.5	870	3.0	9	8	230	30	0.248
63.5	1.5	5.5	910	3.0	9	8	240	30	0.301
65	1.5	5.5	930	3.0	9	8	240	30	0.307
70	1.5	5.7	940	2.5	7.5	8	250	30	0.375
76.2	1.7	5.7	1120	2.5	7.5	8	270	30	0.472
80	2.0	5.8	260	2.5	7.5	7	290	30	0.523
90	2.0	5.8	1400	2.5	7.5	7	380	30	0.598
100	2.0	6.3	1600	2.5	7.5	7	420	30	0.720
102	2.0	6.3	1630	2.5	7.5	7	420	30	0.732
110	2.0	7.2	2200	2.0	6	6.5	450	30	0.862
120	2.0	7.2	2400	2.0	6	6.5	480	30	0.982
127	2.0	7.2	2500	1.5	4.5	6.5	530	30	1.141
152	2.0	7.7	3100	1.5	4.5	6	800	20	1.282

06 VULCANO PU H 09 ET

Order Ref: PUH-09-SIZE MM

TECHNICAL INFORMATION:

FEATURES: ETHER BASED FOOD GRADE POLYURETHANE HOSE REINFORCED WITH PU COATED HIGH ADHESION STEEL WIRE. SMOOTH BORE ENSURES OPTIMUM FLOW PROPERTIES. CONSTANT WALL THICKNESS OF 0.9 MM ACROSS THE WHOLE DIAMETER RANGE. EXCEPTIONAL RESISTANCE TO ABRASION, MICROBES AND TO HYDROLYSIS. EXCELLENT RESISTANCE TO OZONE AND WEATHERING. FOOD GRADE IN ACCORDANCE WITH 2002/72 CEE (CLASSES A, B, C, D EXCEPT DAIRY PRODUCTS) FDA TITLE 21 CFR 177.2600. ODOURLESS, WILL NOT TAINT MATERIALS BEING TRANSFERRED. VERY GOOD HYDROLYSIS AND MICROBES RESISTANCE. GOOD RESISTANCE TO MINERAL OILS AND CHEMICALS. EXCELLENT RESISTANCE TO OZONE, WEATHER AND AGEING. HALOGEN FREE AND CONFORMS TO ROHS REGULATIONS.

APPLICATION: TRANSFER OF VERY ABRASIVE MATERIALS IN FOOD PROCESSING PLANTS, PHARMACEUTICAL INDUSTRY, AND ANYWHERE RESISTANCE TO MICROBES IS REQUIRED.

TEMPERATURE RANGE: -40°C TO +90°C (+125°C INTERMITTENT)

ID	Min. wall thickness	W/A	VACUUM	BR	COIL	VOLUME
MM	MM	G/M	MH20	MM	M	M3
38	0.90	265	5.0	40	20	0.076
40	0.90	280	5.0	50	20	0.079
45	0.90	350	5.0	50	20	0.092
50	0.90	385	5.0	60	20	0.101
51	0.90	395	5.0	60	20	0.108
60	0.90	445	4.0	70	20	0.124
63	0.90	480	4.0	70	20	0.150
65	0.90	495	4.0	70	20	0.155
70	0.90	610	4.0	80	20	0.165
75	0.90	660	3.5	80	20	0.176
76	0.90	670	3.5	90	20	0.232
80	0.90	700	3.5	90	20	0.254
90	0.90	785	2.5	100	20	0.294
100	0.90	865	2.5	120	15	0.281
102	0.90	885	2.5	120	15	0.286
110	0.90	950	2.5	130	15	0.315
120	0.90	1030	2.0	140	15	0.340
127	0.90	1265	2.0	150	15	0.414
130	0.90	1290	2.0	150	15	0.423
140	0.90	1385	1.5	160	15	0.514
150	0.90	1485	1.5	170	15	0.548
152	0.90	1500	1.5	170	15	0.554
160	0.90	1580	1.5	180	15	0.674
180	0.90	1575	1.0	210	15	0.864
200	0.90	1745	1.0	230	15	1.140
203	0.90	1770	1.0	230	15	1.157
228	0.90	1985	0.5	260	10	0.941
250	0.90	2170	0.5	290	10	1.179
254	0.90	2205	0.5	290	10	1.197
265	0.90	2640	0.5	300	10	1.247
279	0.90	2780	0.5	320	10	1.310
305	0.90	3030	0.5	350	10	1.623

RJT UNIONS BS4825 PT5



07 RJT SWAGE HOSE TAILS

SIZE	PART#
2"	RJTL-32
2.5"	RJTL-40
3"	RJTL-48



08 RJT HEX NUTS

SIZE	PART#
1"	RJN104
1.5"	RJN154
2"	RJN204
2.5"	RJN254
3"	RJN304
4"	RJN404



09 RJT HOSE TAIL

SIZE	PART#
1"	RJH106
1.5"	RJH156
2"	RJH206
2.5"	RJH256
3"	RJH306
4"	RJH406

SMS UNIONS



10 SMS NUTS

SIZE	PART#
1"	SMN104
1.5"	SMN154
2"	SMN204
2.5"	SMN254
3"	SMN304
4"	SMN404



11 SMS HOSE TAIL

SIZE	PART#
1"	SMH106
1.5"	SMH156
2"	SMH206
2.5"	SMH256
3"	SMH306
4"	SMH406

DIN UNIONS 11851



12 DIN ROUND NUTS

SIZE	PART#
1"	DIN104
1.5"	DIN154
2"	DIN204
2.5"	DIN254
3"	DIN304
4"	DIN404

TRICLOVER CLAMPS



13 CLAMP SINGLE HINGE

SIZE	PART#
1/2"	CLC054
3/4"	CLC0754
1"	CLC104
1.5"	CLC154
2"	CLC204
2.5"	CLC254
3"	CLC304
4"	CLC404
5"	CLC504
6"	CLC604



16 CLAMP HOSETAIL

SIZE	PART#
1/2"	CLH056
3/4"	CLH0756
1"	CLH106
1.5"	CLH156
2"	CLH206
2.5"	CLH256
3"	CLH306
4"	CLH406

IDF UNIONS BS4825 PT4



14 IDF HEX NUTS

SIZE	PART#
1"	IDN104
1.5"	IDN154
2"	IDN204
2.5"	IDN254
3"	IDN304
4"	IDN404



15 DIN HOSE TAIL

SIZE	PART#
1"	DIH106
1.5"	DIH156
2"	DIH206
2.5"	DIH256
3"	DIH306
4"	DIH406

STAINLESS STEEL SWAGE FERRULES

We supply a large range of 316L stainless steel hygienic ferrules designed to interlock with stainless steel fittings, therefore ensuring complete safety when swaged correctly and also perfect for food ,drink and pharmaceutical applications where a non-rusting hygienic method of attachment is essential.

materials handling hose



01 BULK MATERIAL SUCTION & DELIVERY

Order Ref: CSD-SIZE MM

TECHNICAL INFORMATION:

TUBE: ABRASION RESISTANT, CONDUCTIVE NATURAL RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE, STEEL WIRE HELIX AND ANTISTATIC COPPER WIRE.

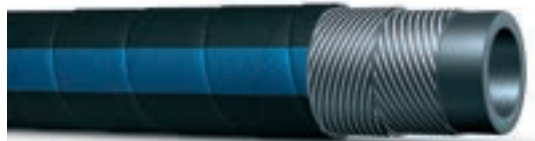
COVER: ABRASION, OZONE AND WEATHER RESISTANT PIN-PRICKED SPECIAL SYNTHETIC RUBBER.

APPLICATION: FOR SUCTION AND DISCHARGE OF DRY BULK MATERIALS, SAND, GRAVEL, DRY CEMENT.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	G/M	M
2	51	66	10	145	30	435	0.93	305	2008	40
2 1/2	64	78.5	10	145	30	435	0.93	380	2442	40
3	76	92	10	145	30	435	0.93	460	3128	40
3 1/2	90	107	10	145	30	435	0.93	540	3815	40
4	102	120	10	145	30	435	0.93	610	4608	40



02 SHOT BLAST (SANDBLAST)

Order Ref: SBH-SIZE MM

TECHNICAL INFORMATION:

TUBE: ABRASION RESISTANT CONDUCTIVE NATURAL RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE AND ANTISTATIC COPPER WIRE.

COVER: ABRASION, OZONE AND WEATHER RESISTANT, PIN-PRICKED NATURAL AND SYNTHETIC RUBBER.

APPLICATION: FOR CLEANING AND BLASTING METAL, STONE AND CONCRETE SURFACES.

TEMPERATURE RANGE: -40°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25.4	39	12	174	36	522	254	837	40
1 1/4	32	48	12	174	36	522	320	1176	40
1 1/4	32	54	12	174	36	522	320	•	40
1 1/2	38	56	12	174	36	522	380	1550	40



03 POLYURETHANE DUCTING-HEAVY DUTY

Order Ref: PU-HD-SIZE MM

TECHNICAL INFORMATION:

COLOUR: CLEAR WITH PU COATED GREY COLOUR STEEL SPIRAL

FEATURES: ESTER BASED POLYURETHANE HOSE REINFORCED WITH PU COATED HIGH ADHESION STEEL WIRE. SMOOTH BORE ENSURES OPTIMUM FLOW AND LESS BLOCKAGES.

WALL THICKNESS: CONSTANT 0.9MM FOR THE WHOLE DIAMETER RANGE. STRONG BUT VERY FLEXIBLE EVEN AT LOW TEMPERATURES, IS SUITABLE TO HEAVY DUTY APPLICATIONS WHERE A VERY GOOD ABRASION RESISTANCE IS REQUIRED. RESISTANT TO MINERAL OILS, CHEMICALS, ATMOSPHERICAL AGENTS AND OZONE. HALOGEN FREE AND WITH RAW MATERIALS ACCORDING TO REACH, CONFORM TO ROHS REGULATIONS.

ANTISTATIC ACCORDING TO TRB S 2153 BY EARTHING THE SPIRAL*. IT CAN BE MADE IN THE MICROBES RESISTANT VERSION AND WITH ANTISTATIC RAW MATERIAL*.

APPLICATION: SUCTION OF GRANULATES, ABRASIVE POWDERS, PELLETS, ICE AND SAWDUST. FOR PLASTIC WOODWORKING AND CERAMIC INDUSTRIES AND SUCTION PLANTS.

TEMPERATURE RANGE: -40°C TO +90°C



MM	MM	G/M	MH20	MM	M	M3
38	0.90	300	5.0	40	20	0.076
40	0.90	315	5.0	50	20	0.079
45	0.90	390	5.0	50	20	0.092
51	0.90	440	5.0	60	20	0.108
60	0.90	510	4.0	70	20	0.137
63	0.90	530	4.0	70	20	0.150
65	0.90	550	4.0	70	20	0.162
70	0.90	675	4.0	80	20	0.181
76	0.90	740	3.5	90	20	0.232
80	0.90	775	3.5	90	20	0.254
90	0.90	865	3.0	100	20	0.294
102	0.90	955	2.5	120	15	0.286
110	0.90	1045	2.5	130	15	0.326
120	0.90	1135	2.0	140	15	0.377
127	0.90	1375	2.0	150	15	0.414
130	0.90	1405	2.0	150	15	0.437
140	0.90	1510	1.5	160	15	0.514
150	0.90	1610	1.5	170	15	0.548
152	0.90	1635	1.5	170	15	0.554
160	0.90	1715	1.5	180	15	0.690
180	0.90	1720	1.0	210	15	0.882
203	0.90	1930	1.0	230	15	1.178
228	0.90	2165	0.5	260	10	0.956
254	0.90	2405	0.5	290	10	1.215
279	0.90	2995	0.5	320	10	1.436
305	0.90	3270	0.5	350	10	1.644



04 DREDGEMASTER™ HAND BUILT HOSE

TECHNICAL INFORMATION:

LINING: SMOOTH BORE, MANDREL BUILT. HIGHLY ABRASION AND CUT RESISTANT BLACK NATURAL RUBBER IN VARYING THICKNESSES FROM 10MM TO 25MM.

REINFORCEMENT: A SUBSTANTIAL CARCASS OF HIGH STRENGTH SYNTHETIC TEXTILE CORDS AND ON AN EXTRA HEAVY DUTY TENSILE STEEL WIRE HELIX FULLY EMBEDDED IN HIGHLY ABRASION RESISTANT RUBBER GIVING MAXIMUM RESISTANCE TO CRUSHING AND VACUUM COLLAPSE.

COVER: TOUGH CHLOROPRENE (NEOPRENE) RUBBER FOR EXCELLENT RESISTANCE AGAINST ABRASION, WEATHERING, OIL, GREASE AND SEAWATER.

APPLICATION: FOR USE ON DREDGER SYSTEMS IN MANY POSITIONS BOTH ONBOARD DREDGERS AND FOR PONTOON LINES WHERE A NON COLLAPSIBLE HOSE IS REQUIRED.

TEMPERATURE RANGE: -20°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
10	250	304	-	-	-	-	-	27	12
12	300	361	-	-	-	-	-	33	12
16	400	462	-	-	-	-	-	44	12
20	500	575	-	-	-	-	-	57	12
24	600	680	-	-	-	-	-	72	12
27 1/2	700	765	-	-	-	-	-	92	12
31 1/2	800	886	-	-	-	-	-	107	12
35 1/2	900	994	-	-	-	-	-	132	12
31 1/2	800	886	-	-	-	-	-	107	12

Dredge master can be manufactured to operate at the following working pressures:

7 BAR, 10 BAR & 15 BAR

with full vacuum rating on all variations.



05 PILOT

(TWIN AIRLINE HOSE FOR SHOTBLASTING)

Order Ref: SIA-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK PVC COMPOUND

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE

COVER: ABRASION, WEATHER AND FLAME RESISTANT PVC

APPLICATION: FOR THE CONVEYANCE OF AIR IN SHOTBLASTING APPLICATIONS

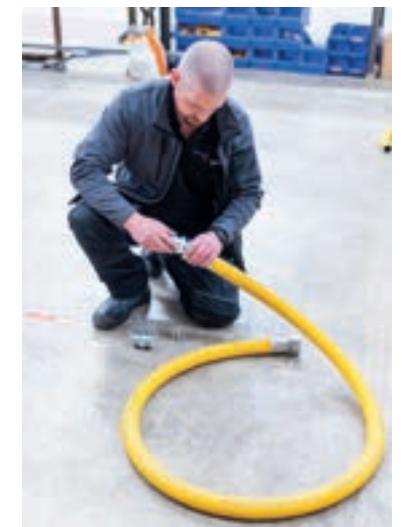
TEMPERATURE RANGE: -30°C TO +60°C



INCH	MM	MM	BAR	PSI	BAR	PSI
1/4	6	12	20	300	60	900



MM	GR/MT	MT
60	125	100



abrasion resistant hose

06 GIMBALMASTER™

TECHNICAL INFORMATION:








LINING: Smooth bore, hand built mandrel built, highly abrasion and cut resistant black natural rubber in varying thicknesses from 10mm - 30mm.

REINFORCEMENT: A substantial carcass of high strength synthetic textile cords and extremely robust separate steel rings embedded in solid rubber giving maximum resistance to crushing and vacuum collapse.

COVER: Tough chloroprene (neoprene) rubber for Excellent resistance against abrasion, weathering, oil, Grease and seawater.

APPLICATION: For use on outboard systems of suction hopper and trailing suction dredgers where gimbal supports are used. These dredge hoses are capable of high angular deflection over short lengths.

TEMPERATURE RANGE: -20°C TO +70°C

									
	ID	OD	WP	BP	BR	W/A	COIL		
	INCH	MM	MM	BAR	PSI	BAR/PSI	MM	GR/MT	MT
12	300	-	10	-	-	-	55	6	
16	400	-	10	-	-	-	85	6	
20	500	-	10	-	-	-	120	6	
24	600	-	10	-	-	-	145	6	
27 1/2	700	-	10	-	-	-	165	6	
31 1/2	800	-	10	-	-	-	215	6	
35 1/2	900	-	10	-	-	-	240	6	
39 1/2	1000	-	10	-	-	-	275	6	



07 ANIMAL FEED

Order Ref: AFH-SIZE MM

TECHNICAL INFORMATION:









TUBE: Abrasion resistant natural rubber

REINFORCEMENT: High tensile synthetic textile, steel wire helix and antistatic copper wire

COVER: Abrasion, ozone and weather resistant pin-pricked special synthetic rubber

APPLICATION: For suction and discharge of abrasive powders, dust, granules

TEMPERATURE RANGE: -40°C TO +70°C

										
ID	OD	WP	BP	VACUUM	BR	W/A	COIL			
INCH	MM	MM	BAR	PSI	BAR	PSI	BAR	MM	GR/M	M
4	101.6	120	10	145	30	435	0.93	610	4502	7.8,9,10ft
									30M COILS	

All coil lengths supplied with free of wire cuffs to both ends



08 SANDMASTER™ HAND BUILT HOSE

TECHNICAL INFORMATION:








LINING: Smooth bore mandrel built. Two types of lining are available in thicknesses from 3mm to 12mm depending on the nature and severity of the application. A specially compounded soft red or tan coloured gum 40° hard natural rubber for fine air-borne abrasives and a black reinforced 60° hard natural rubber for slurries and heavy abrasives such as gravel and rock.

REINFORCEMENT: High strength cord layers give the hose suction resistance and stability under pressure giving a minimum 3.5:1 Safety factor. A steel wire helix gives flexibility and crush protection and a minimum 6 x bore size bend radius.

COVER: All hoses have a corrugated tough weather and abrasion resistant chloroprene rubber cover to increase flexibility with a uniform curvature.

APPLICATION: For use in highly abrasive applications Such as sand and gravel pits, glass and mineral processing plants.

TEMPERATURE RANGE: -20°C TO +70°C

	ID		OD		WP		BP		BR		W/A		COIL
	INCH	MM	MM	BAR	PSI	BAR/PSI		MM	MM	GR/MT		MT	
2	51	68	10	-	-	-		203	2.2	12			
3	76	102	10	-	-	-		305	5	12			
4	102	128	10	-	-	-		406	6.4	12			
6	152	188	10	-	-	-		610	12.9	12			
8	203	240	10	-	-	-		1190	17.8	12			
10	254	294	10	-	-	-		1520	23.9	12			
12	305	346	10	-	-	-		1800	29.1	12			
14	356	404	10	-	-	-		2490	37.1	12			
16	406	454	10	-	-	-		2900	42.1	12			



09 ANTI-STATIC POLYURETHANE

DUCTING – SMOOTH BORE





Order Ref: PU-AS-SIZE MM

TECHNICAL INFORMATION:

Features: Ester based polyurethane liner, with rigid PVC spiral. Perfectly smooth bore results in excellent flow of powders even on bends. Good resistance to chemicals, UV, and Ozone

APPLICATION: Suction and delivery of abrasive materials such as powders, pellets, granulates, fibres, can be used for vacuuming and industrial cleaning, as well as high volume transfer of pellets e.g. injection moulding. Supplied with anti-static copper wire that can easily be earthed to ensure dissipation of static electricity. Additional metric sizes available on request.

TEMPERATURE RANGE: -40°C TO +80°C

	Min. wall thickness	Max. wall thickness	 W/A	 VACUUM	 BR	Roll length	Volume
ID							
MM	MM	MM	G/M	MH20	MM	M	M3
25	0,4	2,6	150	2,5	30	20	0,035
31,8	0,4	2,6	180	2	35	20	0,051
38,1	0,4	2,8	225	2	50	20	0,068
40	0,4	2,8	235	2	60	20	0,071
50,8	0,5	3,2	325	2	70	20	0,104
60	0,5	3,6	480	1,6	80	20	0,170
63,5	0,5	3,6	520	1,6	80	20	0,180
76,2	0,5	4,0	615	1,6	100	30	0,328
90	0,5	4,4	795	1,4	125	30	0,548
102	0,6	4,4	845	1,3	140	30	0,652
110	0,6	4,7	970	1,2	150	30	0,743
127	0,6	5,0	1170	1	170	30	0,900
151,5	0,6	5,6	1650	0,8	200	20	0,957
180	0,7	6,7	2170	0,4	250	20	1,236
203	0,7	6,7	2360	0,4	260	20	1,460
250	0,8	7,5	3450	0,4	300	10	0,952
300	0,8	7,7	4150	0,3	350	10	1,419



10 LYMRA – PU

(PU HEAVY DUTY ANTI-ABRASIVE SUCTION & DELIVERY HOSE)

Order Ref: LYM-SIZE MM

TECHNICAL INFORMATION:

TUBE: ANTI-ABRASIVE POLYURETHANE INSIDE LAYER








COVER: STRONG, FLEXIBLE PLASTICIZED PVC

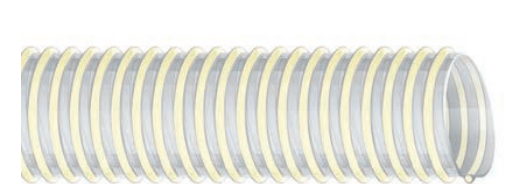
REINFORCEMENT: SHOCK RESISTANT PVC SPIRAL

APPLICATION: FOR HEAVY DUTY SUCTION AND DELIVERY OF WATER, SLURRIES, DUST AND GRAVEL IN INDUSTRIAL AND CONSTRUCTION ENVIRONMENTS. EXCELLENT RESISTANCE IN ABRASIVE APPLICATIONS

SPECIFICATION: ISO 1307

TEMPERATURE RANGE: -5°C TO +60°C

								
ID	OD	BP	VACUUM	BR	W/A	COIL		
INCH	MM	MM	BAR	PSI	m.H2O	MM	G/M	M
3	76	92	20	290	9	495	1950	30
4	102	120	15	219	9	700	3250	30



11 ZEUS PU FOOD

Order Ref: ZEUS-PU SIZE MM

TECHNICAL INFORMATION:

FEATURES: Ether based PU wall, food grade, with antishock rigid PVC spiral. Smooth inside, corrugated outside. Light, flexible, extremely resistant to abrasion and bending, this hose features high mechanical properties. Resistant to many chemicals. Food grade according to the European Regulation 2002/72/CE (classes A, B, C, D including dairy products and liquids with max 50% alcohol concentration).

APPLICATION: Suction and delivery of food products and liquids including sugar, flour, grains and animal feeds.

TEMPERATURE RANGE: -20°C TO +80°C

Also available in an antistatic version.

FOR FULL SIZE RANGE PLEASE SEE PAGE 38

LOOKING FOR HOSE CLAMPS?
PLEASE SEE PAGE 18

STORZ DIN SUCTION COUPLINGS



01 FEMALE ADAPTOR BSPP

ALU PART	BRASS PART	PIPE THREAD DIN ISO 228	KA/mm Lug Distance
SF1	SF1BR	1/2"	31
SF2	SF2BR	3/4"	31
SF3	SF3BR	1"	31
SF4	SF4BR	1"	44
SF5	SF5BR	1.1/4"	44
SF6	SF6BR	1.1/2"	52
SF7	SF7BR	2"	52
SF8	SF8BR	1"	66
SF9	SF9BR	1.1/4"	66
SF10	SF10BR	1.1/2"	66
SF11	SF11BR	2"	66
SF12	SF12BR	2.1/2"	66
SF13	SF13BR	2"	81
SF14	SF14BR	2.1/2"	81
SF15	SF15BR	2"	89
SF16	SF16BR	2.1/2"	89
SF17	SF17BR	3"	89
SF18	SF18BR	3"	105
SF19	SF19BR	4"	115
SF20	SF20BR	4"	133
SF21	SF21BR	4.1/2"	133
SF22	SF22BR	5"	148
SF23	SF23BR	6"	160
SF24	SF24BR	6"	188
SF25	SF25BR	7"	188
SF26	SF25BR	8	220
SSP	-	STORZ SPANNER	-



02 HOSE TAIL

ALU PART	BRASS PART	NORMAL SIZE	D/mm	KA/mm	L/mm
ST1	ST1BR	STORZ 25	25	31	50
ST2	ST2BR	STORZ 32	19	44	65
ST3	ST3BR	STORZ 32	25	44	65
ST4	ST4BR	STORZ 32	32	44	75
ST5	ST5BR	STORZ 38	38	52	75
ST6	ST6BR	STORZ 52	25	66	90
ST7	ST7BR	STORZ 52	32	66	90
ST8	ST8BR	STORZ 52	45	66	90
ST9	ST9BR	STORZ 52	52	66	90
ST10	ST10BR	STORZ 52	60	66	125
ST11	ST11BR	STORZ 65	65	81	9
ST12	ST12BR	STORZ 75	65	89	125
ST13	ST13BR	STORZ 75	70	89	95
ST14	ST14BR	STORZ 75	75	89	125
ST15	ST15BR	STORZ 75	80	89	135
ST16	ST16BR	STORZ 90	90	105	150
ST17	ST17BR	STORZ 100	100	115	120
ST18	ST18BR	STORZ 110	100	133	170
ST19	ST19BR	STORZ 110	110	148	170
ST20	ST20BR	STORZ 125	125	159	196
S21	ST21BR	STORZ 135	135	160	196
ST22	ST22BR	STORZ 150	150	188	180
ST23	ST23BR	STORZ 165	150	133	275
ST24	ST24BR	STORZ 205	205	220	375
SSP	-	STORZ SPANNER	-	-	-



03 MALE ADAPTOR BSPP

ALU PART	BRASS PART	PIPE THREAD DIN ISO 228	KA/mm Lug Distance
SM1	SM1BR	1"	31
SM2	SM2BR	1"	44
SM3	SM3BR	1.1/4"	44
SM4	SM4BR	1.1/2"	52
SM5	SM5BR	1.1/4"	66
SM6	SM6BR	1.1/2"	66
SM7	SM7BR	2"	66
SM8	SM8BR	2.1/2"	81
SM9	SM9BR	2.1/2"	89
SM10	SM10BR	3"	89
SM11	SM11BR	4"	133
SSP	-	STORZ SPANNER	-

FIT FOR FITTING?

INTEGRAFLEX ARE SPECIALISTS IN HOSE ASSEMBLIES, WHY NOT GET YOUR ASSEMBLIES MANUFACTURED BY US.

storz fittings

STORZ REDUCERS (ALUMINIUM)



04 SWIVEL REDUCER

PART#	KA + KA mm
SS1	66/31
SS2	89/66
SS3	133/89
SSP	STORZ SPANNER



05 FIXED REDUCER

PART#	KA + KA mm
SR1	66/52
SR2	66/44
SR3	81/66
SR4	89/81
SR5	105/89
SR6	115/89
SR7	133/115
SR8	148/133
SR9	160/133
SSP	STORZ SPANNER

STORZ REDUCERS (BRASS)



06 SWIVEL REDUCER

PART#	KA + KA mm
SS1BR	66/31
SS2BR	89/66
SS3BR	133/89
SSP	STORZ SPANNER



07 FIXED REDUCER

PART#	KA + KA mm
SR1BR	66/52
SR2BR	66/44
SR3BR	81/66
SR4BR	89/81
SR5BR	105/89
SR6BR	115/89
SR7BR	133/115
SR8BR	148/133
SR9BR	160/133
SSP	STORZ SPANNER

guillemin/unicorn fittings

STORZ BLANK CAP & CHAIN



08 FEMALE END WITH LOCKING RING (ALUMINIUM)

PART	KA + KA mm
SB1	31
SB2	44
SB3	52
SB4	66
SB5	81
SB6	89
SB7	105
SB8	115
SB9	133
SB10	148
SB11	160
SB12	188
SB13	220
SSP	STORZ SPANNER



09 FEMALE END WITH LOCKING RING (BRASS)

PART	KA + KA mm
SB1BR	31
SB2BR	44
SB3BR	52
SB4BR	66
SB5BR	81
SB6BR	89
SB7BR	105
SB8BR	115
SB9BR	133
SB10BR	148
SB11BR	160
SB12BR	188
SB13BR	220
SSP	STORZ SPANNER

DIN COUPLINGS



10 BLANK CAP

SIZE	PART
DN50 2"	GBC2 AL
DN80 3"	GBC3 AL
DN100 4"	GBC4 AL



11 HOSE END

SIZE	HOSE TAIL	PART
DN50 2"	50m/m	GH2 AL
DN80 3"	80m/m	GH3 AL
DN80 3"	90m/m	GH3 AL
DN100 4"	100m/m	GH4 AL



12 FEMALE END WITH LOCKING RING

SIZE	PART
DN50 2"	GFL2 AL
DN65 2.1/2"	GFL2.5 AL
DN80 3"	GFL3



13 MALE BSPP END WITH LOCKING RING

SIZE	PART
DN50 2"	GML2 AL
DN80 3"	GML2 AL
DN100 4"	GML4 AL



FLARED END FITTINGS



14 FLARED END x SERRATED HOSE TAIL

SIZE	PART
3"	300UNISER
4"	400UNISER
5"	500UNISER
6"	600UNISER



15 FLARED END x BSP MALE THREAD

SIZE	PART
3"	300UNIM
4"	400UNIM
5"	500UNIM
6"	600UNIM



16 FLARED END x WELD END

SIZE	PART
3"	300UNI/WELDING
4"	400UNI/WELDING
5"	500UNI/WELDING
6"	600UNI/WELDING



17 RUBBER BLANK PLUG

SIZE	PART
4"	3UNIBP



18 SPARE WHITE FOOD QUALITY GASKETS

SIZE	PART
3"	3UNIB
4"	4UNIB
5"	5UNIB
6"	6UNIB



19 FLARED END SINGLE LEVER CLAMP

SIZE	PART
3"	300UNICLAMP
4"	400UNICLAMP
5"	500UNICLAMP
6"	600UNICLAMP



BESPOKE ASSEMBLIES

Integralflex manufacture automotive OEM parts that include extensive quality checks throughout the production process.

We can incorporate unique features into the hose assembly make up including external insulation, heat shrink to prevent external abrasion and kinking and clipping points along the length of the hose.

Please contact us for more information.



01 RADIATOR

Order Ref: SUN-SIZE MM

TECHNICAL INFORMATION:

TUBE: HEAT RESISTANT EPDM RUBBER.

REINFORCEMENT: HIGH TENSILE SYNTHETIC TEXTILE.

COVER: HEAT, AGEING AND WEATHER RESISTANT EPDM BASED RUBBER.

APPLICATION: COOLING SYSTEMS OF AUTOMOTIVE AND STATIONARY ENGINES.

TEMPERATURE RANGE: -40°C TO +125°C



INCH	MM	MM	BAR	PSI	BAR	PSI	GR/MT	MT
3/4	20	26	4	58	12	174	308	1-40
7/8	22	28	4	58	12	174	334	1-40
1	25.4	32	4	58	12	174	421	1-40
1 1/8	28	34.5	4	58	12	174	459	1-40
1 3/16	30	38	4	58	12	174	586	1-40
1 1/4	32	40	4	58	12	174	621	1-40
1 3/8	35	43	4	58	12	174	672	1-40
1 1/2	38	47	4	58	12	174	825	1-40
-	40	49	4	58	12	174	864	1-40
1 5/8	42	51	4	58	12	174	903	1-40
1 3/4	44.5	54	4	58	12	174	1021	1-40
-	48	57.5	4	58	12	174	1094	1-40
2	50.8	60	4	58	12	174	1152	1-40
2 3/16	55	65	4	58	12	174	1324	1-40
2 3/8	60	70	4	58	12	174	1434	1-40
2 1/2	63.5	73.5	4	58	12	174	1511	1-40
2 3/4	70	80	4	58	12	174	1654	1-40
3	76.2	86	4	58	12	174	1791	1-40
-	80	90	4	58	12	174	1875	1-40
3 1/2	90	100	4	58	12	174	2095	1-40
4	101.6	111.5	4	58	12	174	2165	1-40

LOOKING FOR WORM DRIVE CLIPS?

INTEGRALFLEX YORKSHIRE STOCK A WIDE RANGE OF ZEBRA CLIPS.
SEE PAGE 17 FOR DETAILS OR GIVE US A CALL.



02 SUPER FLEXIBLE GRECATO RADIATOR

Order Ref: GRH-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK, HEAT RESISTANT EPDM RUBBER.

REINFORCEMENT: SYNTHETIC TEXTILE, GALVANISED STEEL WIRE.

COVER: BLACK, HEAT, WEATHER AND OZONE RESISTANT CASTELLATED EPDM RUBBER COVER.

APPLICATION: VEHICLE RADIATOR HOSE.

TEMPERATURE RANGE: -40°C TO +120°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
3/4	19	27	45	3	135	9	-	-	40/10/1
7/8	22	30	45	3	135	9	220	493	40/10/1
1	25	34	45	3	135	9	254	568	40/10/1
1 1/8	28	36	45	3	135	9	280	574	40/10/1
1 1/4	32	41	45	3	135	9	320	775	40/10/1
1 3/8	35	45	45	3	135	9	350	902	40/10/1
1 1/2	38	47	45	3	135	9	380	920	40/10/1
1 3/4	45	55	45	3	135	9	450	1164	40/10/1
2	51	61	45	3	135	9	508	1312	40/10/1



04 CAR HEATER SAEJ20R3

Order Ref: CHH-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK, HEAT RESISTANT EPDM RUBBER.

REINFORCEMENT: SYNTHETIC TEXTILE.

COVER: BLACK, HEAT, WEATHER AND OZONE RESISTANT EPDM.

APPLICATION: FOR THE CONVEYANCE OF HOT WATER FOR VEHICLE USE.

SPECIFICATION: SAE J20 R3.

TEMPERATURE RANGE: -40°C TO +120°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/2	13	20	10	145	30	435	130	260	20/100
5/8	16	23	10	145	30	435	160	310	20/100
3/4	19	28	10	145	30	435	190	475	20/100
1	25	34	10	145	30	435	-	750	20/100



03 PETROL BSAU108/SAEJ30R6

Order Ref: BSAU-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK, NBR.

REINFORCEMENT: SYNTHETIC FIBRES.

COVER: BLACK, WEATHER, HEAT AND FUEL RESISTANT.

APPLICATION: FOR CONVEYANCE OF UNLEADED OR LEADED FUEL TYPES.

TEMPERATURE RANGE: -30°C TO +100°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1/4	6	13	116	8	-	-	75	135	100
5/16	8	15	116	8	-	-	95	160	100
3/8	10	17	116	8	-	-	120	190	100



Call: 0114 321 0756

welding, cutting & marine



05 PREMIUM RUBBER BLUE OXYGEN 20 BAR

Order Ref: WHB-SIZE MM

TECHNICAL INFORMATION:

TUBE: ALL RUBBER GAS WELDING AND CUTTING HOSE PROVIDING EXCELLENT KINK AND CRUSH RESISTANCE. MANUFACTURED TO BS EN 559:1994.

REINFORCEMENT: BLACK SBR RUBBER.

COVER: SMOOTH BLUE SBR.

APPLICATION: GAS WELDING & CUTTING, ALSO SUITABLE FOR AIR AND WATER APPLICATIONS.

TEMPERATURE RANGE: -20°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MT
1/4	6	13	20	290	60	870	100
5/16	8	15	20	290	60	870	100
3/8	10	17	20	290	60	870	100



07 PREMIUM ORANGE LPG 20 BAR

Order Ref: LPG-SIZE MM

TECHNICAL INFORMATION:

TUBE: DUAL PURPOSE ORANGE PROPANE HOSE. SUITABLE FOR HEAVY DUTY GAS WELDING HOSE PROVIDING EXCELLENT KINK AND CRUSH RESISTANCE. MANUFACTURED TO BS EN 559:1994.

REINFORCEMENT: BLACK NITRILE (NBR) RUBBER.

COVER: SMOOTH ORANGE CR RUBBER.

APPLICATION: WELDING & CUTTING APPLICATIONS USING LIQUEFIED PETROLEUM GAS. ALSO SUITABLE FOR LPG BOTTLES TO HEATING OR COOKING APPLIANCES.

TEMPERATURE RANGE: -20°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MT
1/4	6	13	20	290	60	870	100
5/16	8	15	20	290	60	870	100
3/8	10	17	20	290	60	870	100



08 MARINE DIESEL EXHAUST

Order Ref: MDE-SIZE MM

TECHNICAL INFORMATION:

TUBE: BLACK. EXHAUST GAS, SALT WATER RESISTANT EPDM RUBBER.

REINFORCEMENT: SYNTHETIC TEXTILE FABRICS AND DOUBLE STEEL HELIX WIRE.

COVER: BLACK CORRUGATED, RESISTANT TO HEAT, SALT WATER, OZONE, ABRASION, EPDM RUBBER.

APPLICATION: MARINE DIESEL EXHAUST HOSE, CORRUGATED FOR MARINE CRAFT.

SPECIFICATION: SAEJ2006R1 LLOYDS APPROVED.

TEMPERATURE RANGE: -30°C TO +100°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1 1/4	32	41	4	60	12	180	128	585	10/40
1 1/2	38	47	4	60	12	180	152	780	10/40
1 9/16	40	49	4	60	12	180	160	815	10/40
1 3/4	45	54	4	60	12	180	180	895	10/40
2	51	60	4	60	12	180	203	1010	10/40
2 1/4	57	66	3.3	50	10	150	228	1125	10/40
2 3/8	60	69	3.3	50	10	150	240	1180	10/40
2 1/2	63	72	3.3	50	10	150	254	1245	10/40
3	76	85	3.3	50	10	150	305	1480	10/40
3 1/2	90	99	2	30	6	90	360	1925	10/40
4	102	111	2	30	6	90	406	2305	10/40
5	127	137	2	30	6	90	508	3180	10/40
6	153	163	2	30	6	90	610	5030	10/40



06 PREMIUM RUBBER RED ACETYLENE 20 BAR

Order Ref: WHR-SIZE MM

TECHNICAL INFORMATION:

TUBE: ALL RUBBER GAS WELDING AND CUTTING HOSE PROVIDING EXCELLENT KINK AND CRUSH RESISTANCE. MANUFACTURED TO BS EN 559:1994.

REINFORCEMENT: BLACK SBR RUBBER.

COVER: SMOOTH RED SBR.

APPLICATION: GAS WELDING & CUTTING, ALSO SUITABLE FOR AIR AND WATER APPLICATIONS.

TEMPERATURE RANGE: -20°C TO +70°C



INCH	MM	MM	BAR	PSI	BAR	PSI	MT
1/4	6	13	20	290	60	870	100
5/16	8	15	20	290	60	870	100
3/8	10	17	20	290	60	870	100



HOSE WITHOUT HASSLE?

OUR HOSE MANAGEMENT SERVICE
TAKES ALL THE HASSLE OUT OF HOSE.

GIVE US A CALL TO FIND OUT MORE



air & fumes flexible ducting



01 NEOPRENE UNLINED 1 PLY

Order Ref: NEODUCT1-SIZE-MM

- 1-ply neoprene coated glass fibre fabric.
- Bronze plated steel wire helix.
- Close wire pitch offers excellent flexibility.
- Very lightweight.
- Good temperature resistance -50°C to +150°C.



INCH	MM	BAR	PSI	MM HG	MM	MT
2	51	1.2	17	315	22	4
3	76	1.0	15	250	27	4
4	102	0.8	12	190	33	4
6	152	0.7	10	100	43	4
8	203	0.6	8	50	57	4



02 SUPERTHERMOPLASTIC DUCTING

Order Ref: SUP-SIZE MM

- Thermoplastic rubber (TPR) supported by a polypropylene coated spring steel wire helix.
- Excellent resistance to chemical & solvent fumes and good ozone resistance making it suitable for external applications.
- Good temperature resistance -40°C to +135°C.
- Excellent for applications where repeated or excessive flexing is required.



INCH	MM	BAR	PSI	MM HG	MM	MT
2	51	0.3	4.4	77	50	10
3	76	0.2	2.9	52	75	10
4	102	0.2	2.2	37	100	10
5	127	0.1	1.9	30	125	10
6	152	0.1	1.6	30	150	10



03 GREY HIGH FLEXIBILITY PVC

Order Ref: URU-SIZE MM

- Very flexible and cost effective PVC ducting
- Smooth bore for improved flow
- Crush resistant PVC Helix
- Cost effective solution for light dust, fumes and light powders
- Also suitable as conduit hose
- Temperature Range -15°C to +60°C
- Available in other colours e.g. Blue/Transparent



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
1	25	30.6	2	29	6	87	441	87.5	30
1 1/4	32	37.6	2	29	6	87	441	112	30
1 1/2	38	45	2	29	6	87	441	133	30
2	51	59.4	1	14.5	3	43.5	405	178.5	30
2 1/2	63	72	1	14.5	3	43.5	368	220.5	30
3	76	86.4	1	14.5	3	43.5	294	266	30
4	102	113.6	1	14.5	3	43.5	294	357	30
5	127	140	1	14.5	3	43.5	221	444.5	30



04 WYREFLEX

Order Ref: WYREFLEX-SIZE MM

- Traditional double ply Neoprene coated Polyester Fabric complete with twin wire helix.

- Excellent flexibility permits a tight bend radius without kinking
- Suction and conveyance of air, fumes and gases. Dust collection and light materials handling.
- Standard Length: 8m length up to 165mm. 4m length from 178mm.
- Temperature Range: -55°C to +130°C



INCH	MM	BAR	PSI	MM HG	MM	MT
1 1/2	38	0.3	4.35	25	50	9.14
1 3/4	44	0.3	4.35	25	65	9.14
2	51	0.3	4.35	25	65	9.14
2 1/4	57	0.3	4.35	25	75	9.14
2 1/2	63	0.3	4.35	25	75	9.14
2 3/4	70	0.3	4.35	25	100	9.14
3	76	0.3	4.35	25	100	9.14
3 1/4	83	0.3	4.35	25	115	9.14
3 1/2	89	0.3	4.35	25	115	9.14
4	102	0.3	4.35	25	125	9.14
4 1/4	108	0.3	4.35	25	125	9.14
4 1/2	114	0.3	4.35	25	125	9.14
5	127	0.3	4.35	25	150	9.14
6	152	0.3	4.35	25	180	9.14
7	178	0.3	4.35	25	230	6.10
8	203	0.3	4.35	25	250	6.10
10	254	0.3	4.35	25	300	4.57
12	305	0.3	4.35	25	350	4.57



05 SILICONE LINED 2-PLY HIGH TEMPERATURE

Order Ref: SILDUCT2 - SIZE-MM

- Double ply silicone coated glass fabric ducting, supported internally with steel wire helix and external glass cord.
- Suitable for dusts and light powders at elevated temperatures.
- Lightweight, highly flexible and resistant to kinking and flexing.
- Temp Range -70°C to +250°C (+300°C intermittent)



INCH	MM	BAR	PSI	MM HG	MM	MT
2	51	1.2	17	315	22	4
3	76	1	15	250	27	4
4	102	0.8	12	190	33	4
6	152	0.7	10	100	43	4
8	203	0.6	8	50	57	4



06 SILICONE UNLINED 1-PLY HIGH TEMPERATURE

Order Ref: SILDUCT - SIZE MM

- Single ply silicone coated glass fabric ducting, supported internally with steel wire helix and external glass cord.
- Lightweight, highly flexible and resistant to kinking and flexing
- Ideally suited for high temperature air & fume applications
- Temp Range -70°C to +250°C (+300°C intermittent)



INCH	MM	BAR	PSI	MM HG	MM	MT
2	51	1.2	18	315	32	4
2 1/2	63	1	15	250	38	4
3	76	1	15	250	45	4
4	102	0.9	13	190	50	4
6	152	0.7	10	125	65	4



07 VEHICLE EXHAUST-CRUSHPROOF

Order Ref: EXDUCT-SIZE MM

- Reinforced EPDM rubber
- Crush proof polyester wire- allows ducting to recover form if accidentally run over
- High temperature resistance - -40°C to +190°C (intermittent 220°C) smooth bore means excellent airflow characteristics
- Can be fitted with cuffs(factory options)
- Other sizes available.



INCH	MM	MM	BAR	PSI	BAR	PSI	MM	GR/MT	MT
4	102								10

Call: 0114 321 0756

abrasion resistant ducting



01 ANTI-STATIC POLYURETHANE DUCTING – SMOOTH BORE

Order Ref: PU-AS-SIZE MM

TECHNICAL INFORMATION:

Features: Ester based polyurethane liner, with rigid PVC spiral. Perfectly smooth bore results in excellent flow of powders even on bends. Good resistance to chemicals, UV, and Ozone

APPLICATION: Suction and delivery of abrasive materials such as powders, pellets, granulates, fibres, can be used for vacuuming and industrial cleaning, as well as high volume transfer of pellets e.g. injection moulding. Supplied with anti-static copper wire that can easily be earthed to ensure dissipation of static electricity. Additional metric sizes available on request.

TEMPERATURE RANGE: -40°C TO + 80°C

ID	Min. wall thickness	Max. wall thickness	W/A	VACUUM	BR	Roll length	Volume
MM	MM	MM	G/M	MH20	MM	M	M3
25	0,4	2,6	150	2,5	30	20	0,035
31,8	0,4	2,6	180	2	35	20	0,051
38,1	0,4	2,8	225	2	50	20	0,068
40	0,4	2,8	235	2	60	20	0,071
50,8	0,5	3,2	325	2	70	20	0,104
60	0,5	3,6	480	1,6	80	20	0,170
63,5	0,5	3,6	520	1,6	80	20	0,180
76,2	0,5	4,0	615	1,6	100	30	0,328
90	0,5	4,4	795	1,4	125	30	0,548
102	0,6	4,4	845	1,3	140	30	0,652
110	0,6	4,7	970	1,2	150	30	0,743
127	0,6	5,0	1170	1	170	30	0,900
151,5	0,6	5,6	1650	0,8	200	20	0,957
180	0,7	6,7	2170	0,4	250	20	1,236
203	0,7	6,7	2360	0,4	260	20	1,460
250	0,8	7,5	3450	0,4	300	10	0,952
300	0,8	7,7	4150	0,3	350	10	1,419



02 POLYURETHANE DUCTING – LIGHT DUTY

Order Ref: PU-LD-SIZE-MM

TECHNICAL INFORMATION:

Colour: Transparent with zinc spiral

TEMPERATURE RANGE: -40°C + 90°C

FEATURES: Ester based PU duct reinforced with a zinc covered steel spiral. Wall thickness from 0,35 to 0,50mm. Very flexible, and axially compressible (about 5:1) for easy handling and cost effective stocking and transporting. Resistant to abrasion, mineral oils, ageing, ozone and atmospheric agents. Halogen free, conform to RoHS, can be made antistatic in accordance with TRB S 2153 by grounding the spiral.

APPLICATION: Woodworking, dedusting, vapours, small industrial cleaning and suction plants. Can be used as protection sleeve. Suction of dry food according to EC Directives*.

ID	Min. wall thickness	W/A	VACUUM	BR	Roll length	Volume
MM	MM	G/M	MH20	MM	M	M3
51	0.35	230	0.40	26	10	0.006
60	0.35	270	0.40	30	10	0.009
63	0.35	285	0.40	32	10	0.009
65	0.35	295	0.40	33	10	0.010
70	0.35	360	0.40	35	10	0.011
76	0.35	390	0.40	38	10	0.013
80	0.35	410	0.40	40	10	0.014
90	0.35	450	0.40	45	10	0.018
100	0.40	510	0.30	50	10	0.024
102	0.40	520	0.30	51	10	0.025
110	0.40	560	0.30	55	10	0.029
120	0.40	610	0.25	60	10	0.034
127	0.40	640	0.25	64	10	0.038
130	0.40	660	0.20	65	10	0.040
140	0.40	710	0.20	70	10	0.046
150	0.40	760	0.20	75	10	0.052
152	0.40	770	0.20	76	10	0.054
160	0.45	880	0.15	80	10	0.067
180	0.45	990	0.15	90	10	0.083
200	0.45	1100	0.10	100	10	0.101
203	0.45	1120	0.10	102	10	0.104
220	0.45	1200	0.10	110	10	0.116
228	0.45	1250	0.10	114	10	0.129
250	0.50	1300	0.10	125	10	0.154
254	0.50	1320	0.10	127	10	0.159
279	0.50	1450	0.08	140	10	0.190
300	0.50	1550	0.08	150	10	0.218
305	0.50	1580	0.08	153	10	0.225
350	0.50	1820	0.07	175	10	0.293
400	0.50	2070	0.06	200	10	0.379



03 POLYURETHANE DUCTING – MEDIUM DUTY

Order Ref: PU-MD-SIZE-MM

TECHNICAL INFORMATION:

Colour: Clear PU with PU coated coppered steel spiral

TEMPERATURE RANGE: -40°C + 90°C / -40°F + 194°F

FEATURES: Ester base PU duct reinforced with PU coated steel wire. Smooth inside bore for better flow of products.

WALL THICKNESS: from 0.4 to 0.75 mm. Resistant to abrasion, mineral oils, weather conditions, ozone and ageing. Especially suitable for dynamic applications because the PU-coated spiral allows more repetitive flexing than a hose with an uncoated steel spiral. Halogen free and with raw materials according to REACH, also conform to RoHS regulations, can be made antistatic according to TRB S 2153 by earthing the spiral wire.

APPLICATION: Suction of pellets, granulates, abrasive powders and chemicals. In woodworking and ceramic industry and where very high flexibility is required.

ID	Min. wall thickness	W/A	VACUUM	BR	Roll length	Vol.x 10 mt.
MM	MM	G/M	MH20	MM	M	M3
38	0.40	175	2.0	30	10	0.005
40	0.40	185	2.0	32	10	0.005
45	0.40	205	2.0	36	10	0.006
51	0.40	230	2.0	40	10	0.007
60	0.40	265	1.7	50	10	0.010
63	0.40	275	1.7	55	10	0.011
65	0.40	285	1.7	56	10	0.011
70	0.43	375	1.7	60	10	0.013
76	0.43	405	1.7	65	10	0.015
80	0.43	420	1.6	65	10	0.016
90	0.43	470	1.6	75	10	0.022
102	0.53	530	1.3	85	10	0.028
110	0.53	570	1.2	90	10	0.032
120	0.53	620	1.0	100	10	0.037
127	0.63	760	1.0	105	10	0.045
130	0.63	775	0.8	105	10	0.047
140	0.63	840	0.8	115	10	0.054
152	0.63	900	0.8	125	10	0.063
160	0.63	945	0.7	130	10	0.069
180	0.63	1210	0.5	150	10	0.087
200	0.63	1345	0.4	165	10	0.106
203	0.63	1360	0.4	165	10	0.109
228	0.63	1525	0.4	185	10	0.142
254	0.65	1845	0.4	210	10	0.174
279	0.65	2025	0.4	230	10	0.209
305	0.65	2205	0.3	250	10	0.248
356	0.65	2570	0.3	300	-	-
406	0.75	3285	0.3	350	-	-



04 POLYURETHANE DUCTING-HEAVY DUTY

Order Ref: PU-HD-SIZE-MM

TECHNICAL INFORMATION:

COLOUR: Clear with PU coated grey colour steel spiral

TEMPERATURE RANGE: -40°C + 90°C / -40°F + 194°F

FEATURES: Ester based polyurethane hose reinforced with PU coated high adhesion steel wire. Smooth bore ensures optimum flow and less blockages.

WALL THICKNESS: Constant 0.9mm for the whole diameter range. Strong but very flexible even at low temperatures, is suitable to heavy duty applications where a very good abrasion resistance is required. Resistant to mineral oils, chemicals, atmospheric agents and ozone. Halogen free and with raw materials according to REACH, conform to RoHS regulations. Antistatic according to TRB S 2153 by earthing the spiral*. It can be made in the microbes resistant version and with antistatic raw material*.

APPLICATION: Suction of granulates, abrasive powders, pellets, ice and sawdust. For plastic woodworking and ceramic industries and suction plants.

ID	Min. wall thickness	W/A	VACUUM	BR	Roll length	Volume
MM	MM	G/M	MH20	MM	M	M3
38	0.90	300	5.0	40	20	0.076
40	0.90	315	5.0	50	20	0.079
45	0.90	390	5.0	50	20	0.092
51	0.90	440	5.0	60	20	0.108
60	0.90	510	4.0	70	20	0.137
63	0.90	530	4.0	70	20	0.150
65	0.90	550	4.0	70	20	0.162
70	0.90	675	4.0	80	20	0.181
76	0.90	740	3.5	90	20	0.232
80	0.90	775	3.5	90	20	0.254
90	0.90	865	3.0	100	20	0.294
102	0.90	955	2.5	120	15	0.286
110	0.90	1045	2.5	130	15	0.326
120	0.90	1135	2.0	140	15	0.377
127	0.90	1375	2.0	150	15	0.414
130	0.90	1405	2.0	150	15	0.437
140	0.90	1510	1.5	160	15	0.514
150	0.90	1610	1.5	170	15	0.548
152	0.90	1635	1.5	170	15	0.554
160	0.90	1715	1.5	180	15	0.690
180	0.90	1720	1.0	210	15	0.882
203	0.90	1930	1.0	230	15	1.178
228	0.90	2165	0.5	260	10	0.956
254	0.90	2405	0.5	290	10	1.215
279	0.90	2995	0.5	320	10	1.436
305	0.90	3270	0.5	350	10	1.644

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hose reels



Gen III Air & Water

The GEN III is a durable yet economical reel, lightweight and easy to operate. The GEN III has been designed to meet the harsh demands of industrial environments and is manufactured from corrosion proof, composite materials for continuous, trouble-free operation.

Other options including hot wash, breathing air, lubrication & welding are available in the Gen III series

MODELS with hose	I.D. mm	LENGTH m	PRESSURE Bar	CONNECTION inlet/outlet	WEIGHT with hose
AW815-001	8	15	17	3/8"	11kg
AW820-001	8	20	17	3/8"	12Kg
AW1015-001	10	15	17	3/8"	12Kg
AW1020-001	10	20	17	3/8"	12Kg
AW1215-001	12	15	17	1/2"	12Kg
AW1218-001	12	18	17	1/2"	12Kg



SE Range Heavy Duty Air & Water

The 540 is a large capacity series of hose reels for long lengths of hose. The 540 Series is an extremely durable range of high quality steel hose reels that will suit hose sizes ranging from 10mm id (3/8") up to 25mm id (1").

MODELS	I.D. mm	LENGTH m	PRESSURE Bar	CONNECTION inlet/outlet	WEIGHT with hose
SE540-10	19 & 25	20 & 15	20	1" 1"	24kg
SE540-12	19	20	20	1" 3/4"	35Kg
SE540-13	25	15	20	1" 1"	37Kg



Stainless Steel Hot Water Wash Reel

The 530 Series of spring driven hose reels represents outstanding value for money. This is an extremely durable range of high quality steel hose reels.



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Reels available.

MODELS with hose	I.D. mm	LENGTH m	PRESSURE Bar	CONNECTION inlet/outlet	WEIGHT with hose
SE532-11	12	20	20	1/2"	19kg
SE532-12	12	25	20	1/2"	-
SE532-21	12	20	100	1/2"	26Kg
SE532-20	12	25	100	1/2"	-
SE532-31	10	25	200	3/8"	24Kg
SE532-32	10	20	200	3/8"	-



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Reelcare's 30000 Series reels with large storage capacity are designed for harsh, heavy duty applications that require long lengths of hose. 30000 Series reels are manufactured from high quality steel components which are individually powder coated to give added corrosion resistance. Each reel is supplied complete with a full flow swivel assembly to allow for maximum product delivery.

MODELS with hose	I.D. mm	LENGTH m	PRESSURE Bar	CONNECTION inlet/outlet	WEIGHT with hose
CA32106 M118	12	30	207	1/2"	18kg
CA32112 M118	12	60	207	1/2"	21kg
CA32118 M118	12	99	207	1/2"	25Kg
CA32122 M118	12	120	207	1/2"	27Kg
CA32128 M118	12	150	207	1/2"	30Kg
CA33106 M118	19	15	207	3/4"	18kg
CA33112 M118	19	30	207	3/4"	21kg
CA33118 M118	19	54	207	3/4"	25Kg
CA33122 M118	19	68	207	3/4"	27Kg
CA33128 M118	19	84	207	3/4"	30Kg



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- When hose is laying on the floor it is susceptible to damage.
- Hoses on reels can reduce the threat of costly air & water leakage.
- When hose is stored on reels less damage means less leakages.
- Hose reels can help reduce tripping accidents.
- Hose is stored off the floor away from any hazard.

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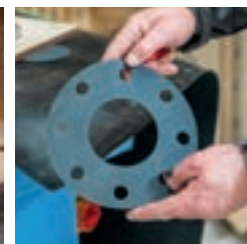
Washers & Gaskets

Integraflex Yorkshire supply a wide range of gaskets and seals that complement our hose assembly offer and make the principle of one-stop shopping easier for our customers. We stock popular sizes of gaskets and seals.

We also offer a gasket and rubber strip cutting service for all types of industry including pump and plant, engineering and waste management.

A wide range of material is available such as Neoprene, Nitrile, EPDM & Viton - all bespoke to your specific requirements.

Standard gaskets such as PN16 full face or IBC are available or we can have cutting tools made to almost any design. All gaskets and strips are cut in house using our cutting press and strip cutter.



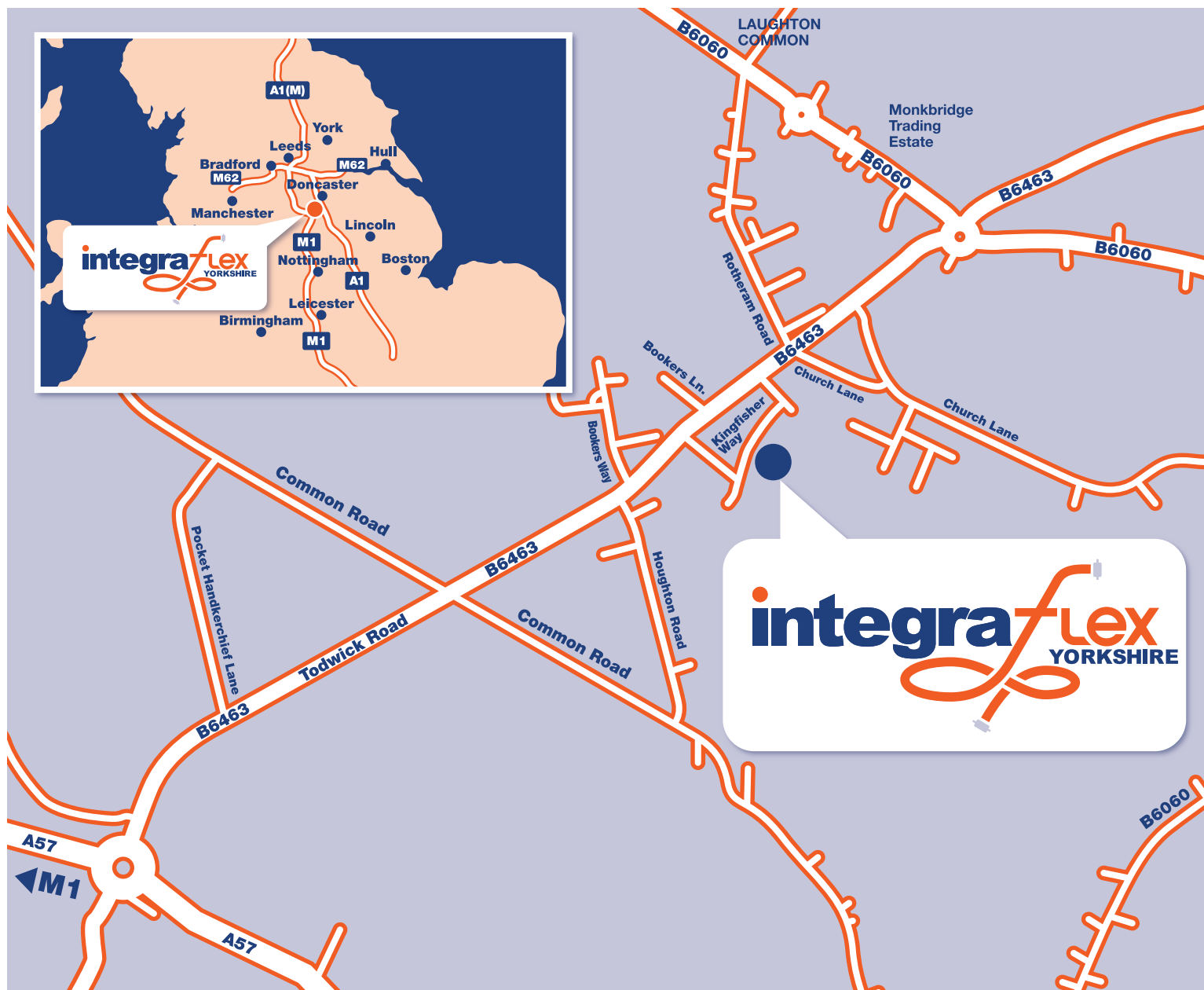
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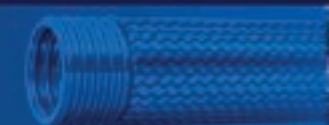
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