

EXITFLEX[®]

Hydraulic Hose & Fittings

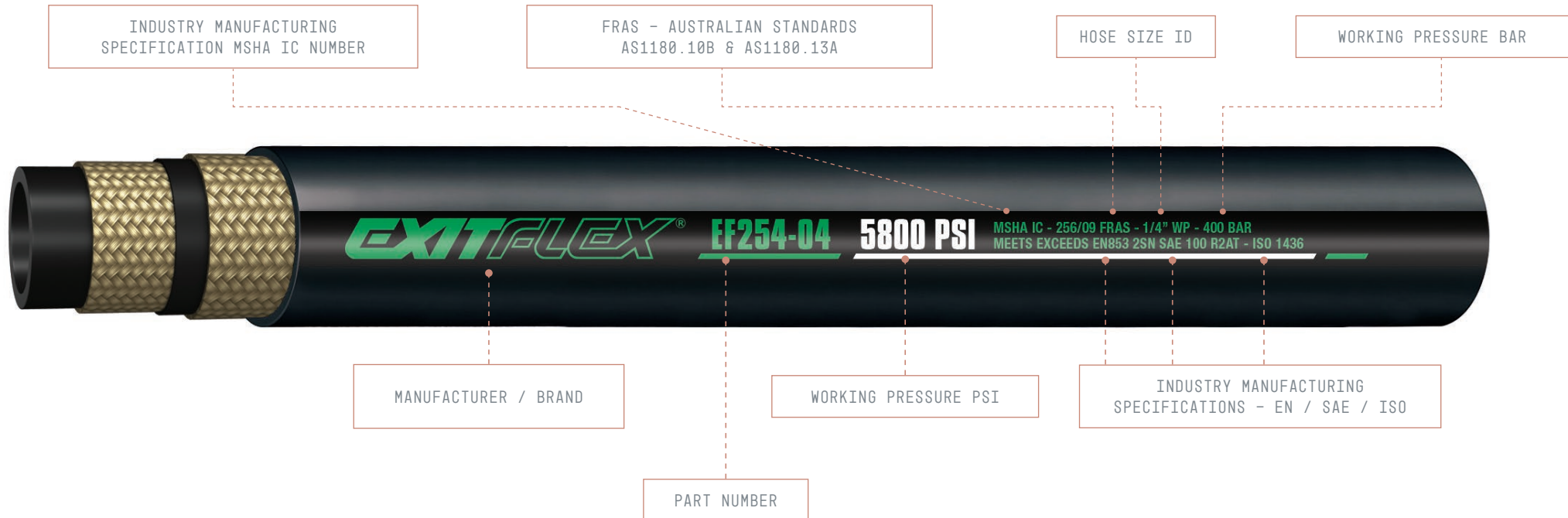
Exitflex providing global flexible solutions.

Critical data at a glance.

The OEM & Distributor choice when it comes to quality.



Premium quality



You demand a lot from your hydraulic hose. That's why we put so much into making Exitflex Hydraulic Hose the longest-lasting, strongest, most dependable hose available.



The cover compound, which outperforms the competition in abrasion resistance. It's also FRAS and MSHA compliant, chemical and oil resistant and performs in even the harshest temperatures and weather conditions.

Exitflex new look rubber hydraulic hoses feature a clear streamline intelligent layline with easy-to-read industry specifications and icons. The Exitflex Hydraulic Hose range is a colour coded system that distinguishes hose construction type and premium abrasion resistant hoses to our standard hoses lines.

Hydraulic hose meeting the demands of Australian standards



Fire resistant



Electricity resistant



Exitflex Hydraulic Hose Performance & Life Cycle

NEW RELEASE

Exitflex has earned a strong reputation providing flexible solutions globally working with distributors, OEMs and engineering partners providing end users with access to the best fit for purpose Hydraulic Hoses that deliver increased flexibility, lighter weight, reduced bend radius, cover abrasion resistance and life cycle performance. This is achieved through manufacturing innovation and the commitment to research and development.

Exitflex is committed to product development that simplifies the complexities associated with changing and managing hose and coupling systems.

Exitflex products provide the market with a 100% engineered matched system. Our engineering departments globally design, create and comprehensively test the hoses and coupling engineered systems together to ensure performance and reliability. Exitflex assembly methods and crimp tables make it a reliable and safe system to follow and train ensuring *BE SAFE – BEST INDUSTRY PRACTICE.*



Exitflex Hydraulic Hose

Layline critical data at a glance

Exitflex Hydraulic Hose and Coupling packages when used in conjunction will provide customers with a unique engineering capability tailored to all application requirements optimizing life cycle, safety and performance.

The new easy to read laylines provide simply identification and information that reduces the risk of incorrect hose selection when replacing and manufacturing new hose assemblies.

Every key piece of critical hose data information is located at regular intervals on the hose layline ensuring the correct hose and coupling system is selected every time.

Exitflex Hydraulic Hose provides enhanced visibility and readability of the critical data. The laylines will take the guesswork out of hose and coupling selection ensuring our employee's and customer base that the finished hose assembly system is a matched system. The Exitflex layline contains important information about the hose such as the brand, part number, hose size, abrasion resistance, manufacturing specifications and working pressure.



BRAND

COVER TYPE | ABRASION

PART NUMBER | HOSE SIZE

WORKING PRESSURE | PSI

MSHA IC NUMBER

EN MANUFACTURING SPEC

SAE MANUFACTURING SPEC

ISO MANUFACTURING SPEC

FRAS BRANDING

HOSE SIZE - ID

WORKING PRESSURE - BAR

Exitflex Hydraulic Hose Cover and abrasion

Understanding Exitflex layline information and colour code system.

The simple colour system:

The new Exitflex layline system introduces straightforward colour schemes and names for the entire Exitflex range. The hose range consists of 4 different cover types across the complete hose offering.

- > Madmax Blue Hi-Temp Range
- > Exitflex Ultra Tuff / Standard Cover
- > Exitflex Hard-X Cover
- > Exitflex Abrasion-X Cover



ABRASION COVER & SUB BRAND



STAY TOUGH IN THE MOST EXTREME CONDITIONS WITH COVER COMPOUNDS

You demand a lot from your hydraulic hose. That's why we put so much into making ours the longest-lasting, strongest, most dependable hose available. Exitflex Hydraulic Hose has our exclusive "COVER COMPOUNDS", which outperforms the competition in abrasion resistance. It's also FRAS / MSHA compliant, chemical and oil resistant and performs in even the harshest temperatures and weather conditions.

The Exitflex Hydraulic hose brand names has been developed in conjunction with customers to provide an easy-to-use system that reduces the confusion in delivering accurate hose identification. These Exitflex brand are recognised and trusted by many global OEM'S and Distributors.

Exitflex Hydraulic Hose

Colour layline guide

Easily identify 1 or 2 wire braid, textile, spiral, and temperature designations by knowing Exitflex layline color designations.

The layline colour system follows the same scheme but varies slightly for the below cover types:

- > Ultra Tuff Standard Cover
- > Hard X Cover
- > Abrasion X Cover

BLUE MADMAX
HIGH-TEMP RANGE
BRAIDED, TEXTILE



ORANGE EXUT6
(R15)



RED EXUT5
(R13)



BLUE EXUT4
(R12)



GREEN 1-2 WIRE
BRAIDED



ORANGE R6-FRAS
TEXTILE



Exitflex Hydraulic Hose

Cover and abrasion family types

UNDERSTANDING EXITFLEX LAYLINE INFORMATION & COLOUR CODE SYSTEM

COVER TYPE: BRANDING BRAIDED HOSE



Exitflex Standard / Ultra Tuff abrasion cover hose provides 10 x greater than the ISO 6945 industry



Exitflex Hard-X abrasion cover hose provides 100 x greater than the ISO 6945 industry standard



Exitflex Abrasion-X Cover hose provides 300 x greater than the ISO 6945 industry standard

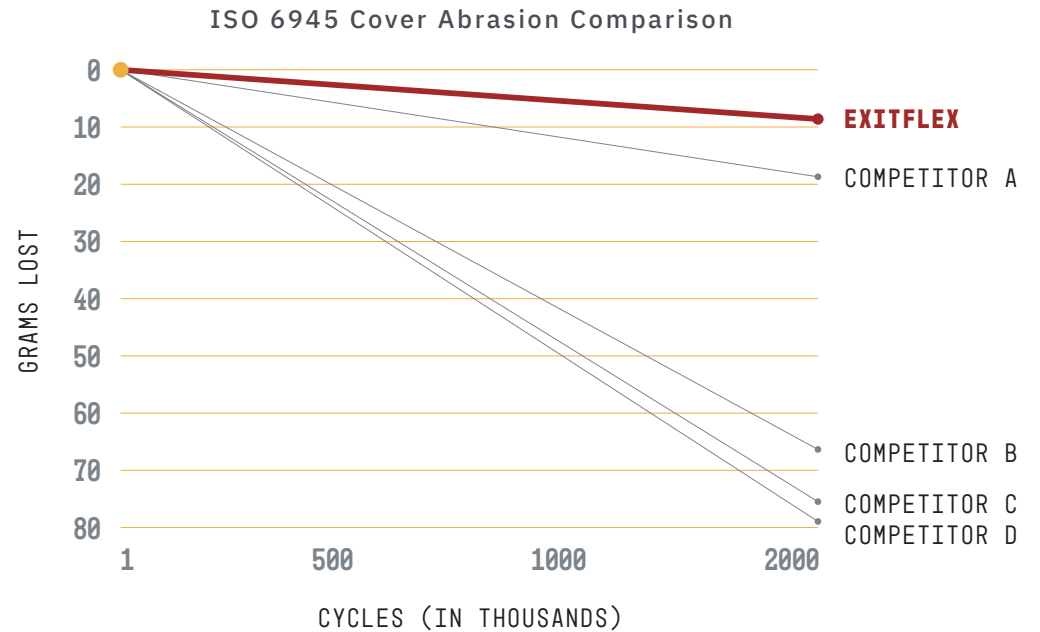


Exitflex Hydraulic Hose Abrasion resistance

The Exitflex Hydraulic Hose range and different cover compounds are vigorously tested to ISO – 6945.

The cover compounds meets the Flame Resistance and Electrical Resistance (Anti-Static) - FRAS - requirements of AS 2660 when tested in accordance with test methods AS 1180.10B & AS 1180.13A. The cover compounds exceeds Mine Safety and Health Administration (MSHA).

Exitflex Hydraulic Hose range is the engineered solution for all applications specifically designed to provide optimum life cycle of the hose and reduce maintenance and break downs. Meeting and exceeding FRAS and MSHA requirements, Exitflex Hydraulic Hose has been designed with a robust tough cover which provides excellent flame resistant and anti-static properties along with the extended abrasion resistance cover to survive arduous applications and conditions.



OIL RESISTANT
SYNTHETIC RUBBER
INNER TUBE



4 OR 6 ALTERNATING LAYERS OF
SPIRAL HIGH-TENSILE STEEL WIRE

OUTER COVER ULTRA ABRASION
RESISTANT OIL & WEATHER
RESISTANT SYNTHETIC RUBBER



Hose manufacturing specifications and standards information

SELECT THE CORRECT HOSE FOR THE APPLICATION

MANUFACTURING SPECIFICATIONS



Hydraulic Hose manufacturing specifications are clearly defined on all Exitflex Hydraulic Hoses: SAE, ISO, MSHA, EN, and FRAS.

The designation specifications are displayed clearly on each hose, reducing the risk and providing simple training certification when selecting the correct hydraulic hose qualifications for an application.

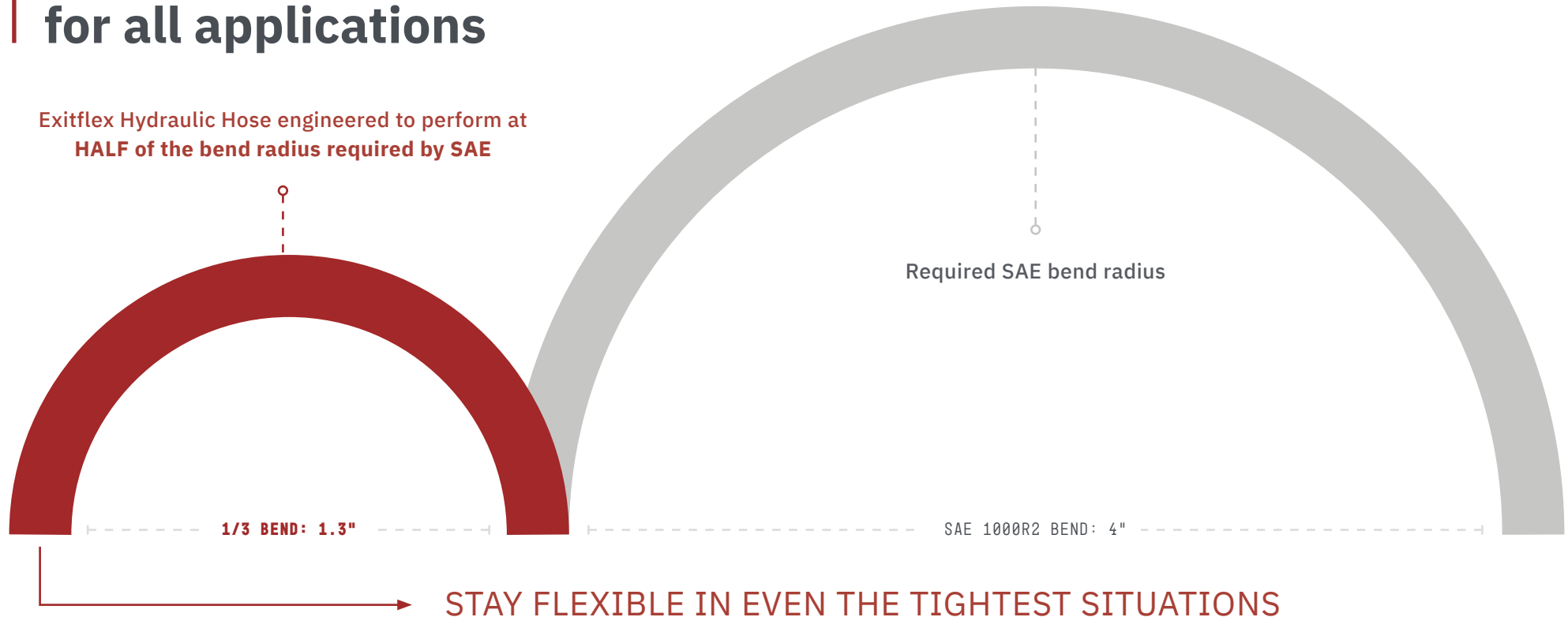
The Exitflex range of hydraulic hoses exceed ISO, SAE, EN and Australian specifications providing superior performance to our customers.

Terminology reference	Product performance compared to SAE, ISO, FRAS and EN requirements (excluding dimensions if Applicable)	Example as shown on layline
SAE	Meets or exceeds specification requirements	Meets exceeds SAE100R16
ISO	Meets or exceeds specification requirements	Meets exceeds ISO 11237-1
EN	Meets or exceeds specification requirements	Meets exceeds EN857 2SC
FRAS	Meets AS1180.10B & AS1180.13A	FRAS
Type	Standard norm	SAE 100 R16
MSHA	Meets MSHA specifications	MSHA IC - 256/09

Exitflex Hydraulic Hose

The flexible solution for all applications

Exitflex Hydraulic Hose engineered to perform at **HALF** of the bend radius required by SAE



SAE hose standard specifies the minimum bend radius of a Hydraulic hose.

The bend is defined as the smallest diameter the hose can bend without kinking. Exitflex Hydraulic Hose surpasses the SAE specification bend radius standard as a more flexible solution is often required for applications where tight hose assembly routing occurs in many of your applications. All Exitflex Hydraulic Hoses have been engineered to perform at half of the bend radius required by SAE.

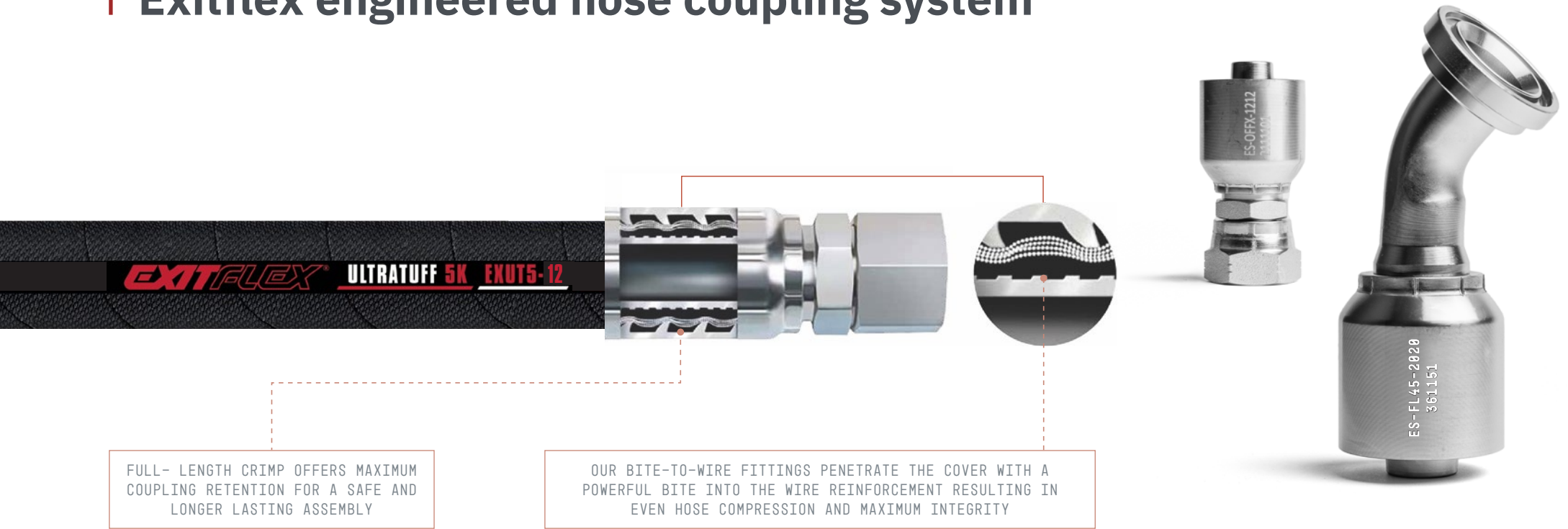
Flexibility plays a major role in your Hydraulic hose operation and efficiency. With a bend radius up to $\frac{1}{2}$ that of SAE specifications, our Exitflex Hydraulic Hose range is extremely flexible, easier to route and reduces the chance of bending too tightly. This helps provide increased hose cost savings while equipping you with a safer, cost effective way to keep your piece of equipment in operation reducing down time.





Exitflex Hydraulic Hose

Exitflex engineered hose coupling system



The easy to use Exitflex Hose Coupling system provides you with size variations simplified into six coupling types so you are confident you choose the correct coupling and Exitflex Hydraulic Hose combination.

STAY CONNECTED UNDER THE HIGHEST PRESSURES

Exitflex Engineered Hose Couplings are constructed from a single piece of steel without brazed or welded joints to provide ultimate protection against leaks and potential leak paths. With full-length crimps and a low-profile design that will last longer, the Bite-to-Wire technology delivers maximum coupling retention for safer assembly and reliability under the toughest pressure - no internal or external skive required when it comes to the Exitflex One-piece Range.

Exitflex Hydraulic Hose

Exitflex engineered hose coupling system



ONE-PIECE COUPLING FAMILY

- EB Braided
- ES Braided / Spiral
- EE Spiral



TWO-PIECE COUPLING FAMILY

- TP Braided
- DG Spiral - interlock
- DE Spiral - interlock

EXITFLEX ENGINEERED HOSE COUPLING

Exitflex manufactures hose couplings in many different styles and sizes, being 1-piece and 2-piece design and each is matched to the Exitflex Hydraulic Hose Range.

Exitflex Two-Piece Crimp couplings offer an extensive range of connection types and end configurations.

HOSE COUPLING & CONNECTION PLATING

Exitflex with its manufacturing facilities have given high importance and consideration regarding corrosion resistance of metal products in OEM, general industry and mining conditions and applications.

Industry minimum requirements of 200 hours salt spray corrosion are required before the appearance of red rust should be achieved when tested in accordance with ASTM B117 or ISO 9227.

Exitflex Hose Coupling plating protects against corrosion for 500+ hours, far exceeding the industry specification and increasing safety and product life cycle by providing an extended service life to hose assemblies and connections. Exitflex plating technologies provide optimum corrosion resistance when compared to standard plated competitive products on the market.

Exitflex Hydraulic Hose

Exitflex braided hose coupling system | EB



The Exitflex EB Hose Coupling has been designed and engineered to perform across all braided Exitflex Hydraulic Hose types. The EB coupling provides the industry with ergonomically designed coupling with the added benefits of a professional smooth crimp finish. The EB Coupling through rigorous material research and development will benefit the industry as the EB Coupling is an economical solution in braided volume hose markets.

EXITFLEX PART NO

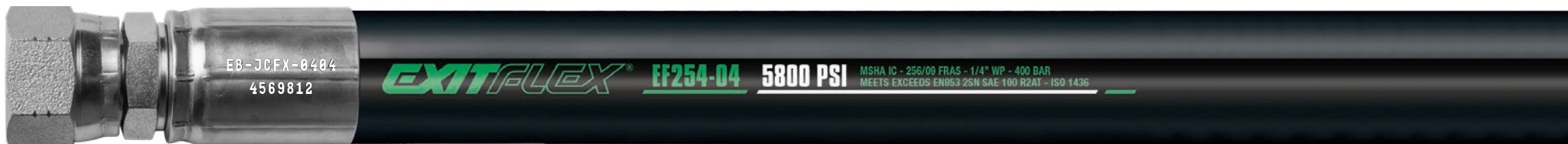
EB	EXITFLEX BRAIDED
JCFX	INDUSTRY IDENTIFICATION
SIZE	HOSE AND IDENTIFICATION SIZE
BATCH NO	MATERIAL CERTIFICATION / TRACEABILITY

ONE-PIECE COUPLING FAMILY

EB = ONE-PIECE NON SKIVE BRAIDED COUPLING

The EB Coupling suits all braided Exitflex Hose types covering specifications:

- > SAE 100 R1AT - EN 853-1SN
- > SAE 100 R2AT - EN 853-2SN
- > EN857 – 1SC
- > SAE 100 R16 - EN 857-2SC
- > SAE 100 R17
- > SAE 100 R19
- > SAE 100 R1AT - FIRE SUPPRESSION
- > PRESSURE WASHER 2SC 6000PSI
- > SAE 100 R12



Exitflex Hydraulic Hose

Exitflex braided/spiral hose coupling system | ES



The Exitflex ES Hose coupling is one of the most universal one-piece couplings on the global market today that can be used on a large range of braided and spiral Exitflex Hydraulic Hose types. The ES Coupling is a universal coupling that reduces inventory volume, cost, warehouse and mobile service van space with the benefit of reducing weight.

EXITFLEX PART NO

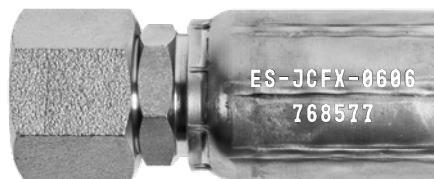
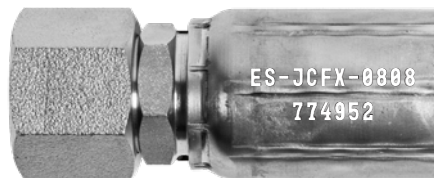
ES	EXITFLEX SPIRAL
JCFX	INDUSTRY IDENTIFICATION
SIZE	HOSE AND IDENTIFICATION SIZE
BATCH NO	MATERIAL CERTIFICATION / TRACEABILITY

ONE-PIECE COUPLING FAMILY

ES = ONE-PIECE NON SKIVE BRAIDED & SPIRAL COUPLING

The ES Coupling suits all braided Exitflex Hydraulic Hose types covering specifications :

- > SAE 100 R2AT - EN 853-2SN – 1/2 > 2”
- > SAE 100 R16 - EN 857-2SC – 1/2 > 1 ¼”
- > SAE 100 R12 - EN 856 R12 – 1 ¼ > 2”
- > EXUT4 – ISOBARIC 4000 – 3/8 > 2”
- > EXUT5 – ISOBARIC 5000 – 3/8 > 1 ¼”
- > EXUT6 – ISOBARIC 6000 – 3/8 > 1 ¼”



Exitflex Hydraulic Hose

Exitflex extreme spiral hose coupling system | EE



Exitflex EE Hose coupling has been designed and engineered to perform in the most critical extreme high pressure applications. The Exitflex Extreme Coupling has been vigorously impulse tested to suit our EXUT5 (5000psi) and EXUT6 (6000psi) hose ranges in sizes DN38 (1 ½”) AND DN51 (2”).

EXITFLEX PART NO

EE-NPM-3232
971422

EE	EXITFLEX SPIRAL
NPM	INDUSTRY IDENTIFICATION
SIZE	HOSE AND IDENTIFICATION SIZE
BATCH NO	MATERIAL CERTIFICATION / TRACEABILITY

ONE-PIECE COUPLING FAMILY

EE = ONE-PIECE NON SKIVE SPIRAL COUPLING

The EE Coupling suits Spiral Exitflex Hydraulic Hose types covering specifications:

- > EXUT5 – ISOBARIC 5000 – 1 ½” > 2”
- > EXUT6 – ISOBARIC 6000 – 1 ½” > 2”



Exitflex Hydraulic Hose

Exitflex Multi-Crimp hose coupling system | TP



Exitflex TP Multi-Crimp Hose coupling has been designed and engineered suit a wide range of Exitflex Hydraulic Hose types from industrial hose, textile braid, wire braid and a range of spiral hose. The Exitflex TP range versatility can provide the industry with a decreased inventory range and is a popular system within the mobile hose van/truck market where weight restrictions may apply.

TWO-PIECE COUPLING FAMILY

TP = TWO-PIECE MULTI-CRIMP COUPLING FAMILY

The TP Coupling suits the below Exitflex Hydraulic Hose types covering specifications:

- > INDUSTRIAL HOSE
- > SAE 100 R1AT - EN 853-1SN
- > SAE 100 R2AT - EN 853-2SN
- > EN857 – 1SC
- > SAE 100 R16 - EN 857-2SC
- > SAE 100 R17
- > SAE 100 R19
- > SAE 100 R12 - EN 856 R12
- > SAE 100R3
- > SAE 100R5
- > SAE 100R6
- > SAE 100R7
- > SAE 100R8
- > SAE 100R14
- > EXUT4 – 4000PSI Sizes > 1”
- > EXUT5 – 5000PSI Sizes > 1”
- > EXUT6 – 6000PSI Sizes > 1”



EXITFLEX PART NO

TP TWO-PIECE
F5 FERRULE FAMILY
SIZE HOSE AND IDENTIFICATION SIZE
BATCH NO MATERIAL CERTIFICATION / TRACEABILITY



Exitflex Hydraulic Hose

Exitflex Dual-Grip spiral hose coupling system | DG

Exitflex DG Dual-Grip Inter-lock two-piece internal / external skive Hose coupling has been designed and engineered suit a range of Exitflex Spiral Hydraulic Hose types. The Exitflex DG Hose coupling will perform in the most critical extreme high pressure applications. The Exitflex DG Inter-lock Coupling has been vigorously impulse tested to suit our EXUT4 (4000psi) in sizes 1 ¼ > 2", EXUT5 (5000psi) in sizes 1 ¼ > 2", and will also couple up to EXUT6 (6000psi) in sizes 1 ¼ > 1 ½".



EXITFLEX PART NO

DG	TWO-PIECE DUAL-GRIP
F2	FERRULE FAMILY
SIZE	HOSE AND IDENTIFICATION SIZE
BATCH NO	MATERIAL CERTIFICATION / TRACEABILITY

TWO-PIECE DUAL-GRIP INTER-LOCK COUPLING FAMILY

DG = TWO-PIECE INTERNAL / EXTERNAL SKIVE SYSTEM

- > EXUT4 – 4000PSI Sizes > 1 ¼ > 2"
- > EXUT5 – 5000PSI Sizes > 1 ¼ > 2"
- > EXUT6 – 6000PSI Sizes > 1 ¼ > 1 ½"



Exitflex Hydraulic Hose

Exitflex Dual-Extreme spiral hose coupling system | DE



Exitflex DE Dual-Grip Inter-lock two-piece internal / external skive Hose coupling has been designed and engineered suit a range of Exitflex Spiral Hydraulic Hose types. The Exitflex DE Hose coupling will perform in the most critical extreme high pressure applications. The Exitflex DE Inter-lock coupling has been vigorously impulse tested to suit our EXUT6 (6000psi) in size 2”.



EXITFLEX PART NO

DE	TWO-PIECE DUAL-GRIP
F2	FERRULE FAMILY
SIZE	HOSE AND IDENTIFICATION SIZE
BATCH NO	MATERIAL CERTIFICATION / TRACEABILITY

TWO-PIECE COUPLING FAMILY

DE = TWO-PIECE INTERNAL / EXTERNAL SKIVE SYSTEM

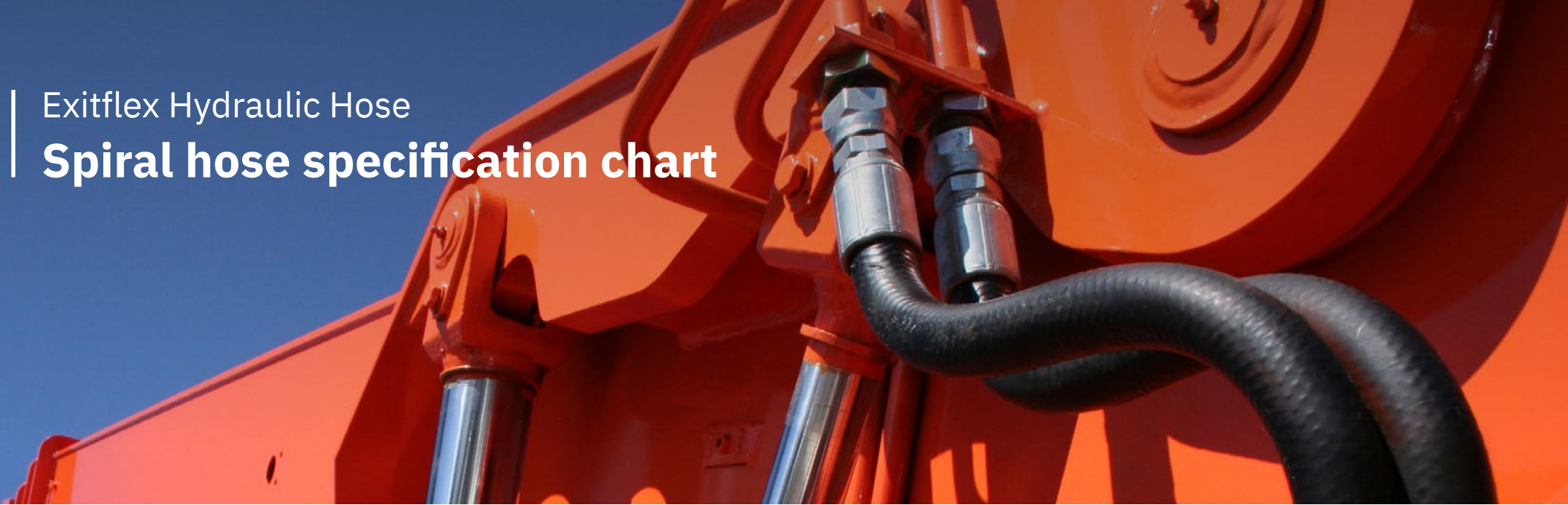
> EXUT6 – 6000PSI Sizes > 2”



MSHA IC - 256/09 - 2" WP - 420 BAR
MEETS EXCEEDS SAE100R15 - ISO 18752

Exitflex Hydraulic Hose

Spiral hose specification chart



Exitflex Hydraulic Hose - EXUT Constant Pressure Quick Guide

Working Pressure PSI	3/8" DN10	1/2" DN12	5/8" DN16	3/4" DN20	1" DN25	1 1/4" DN32	1 1/2" DN38	2" DN51
4000	EXUT4	EXUT4	EXUT4	EXUT4	EXUT4	EXUT4	EXUT4	EXUT4
5000	EXUT5	EXUT5	EXUT5	EXUT5	EXUT5	EXUT5	EXUT5	EXUT5
6000	EXUT6	EXUT6	EXUT6	EXUT6	EXUT6	EXUT6	EXUT6	EXUT6

Working Pressure PSI	Size Range	Specification
4000	3/8" > 1"	Meets or exceeds SAE100R12
4000	1 1/4" > 2"	Meets or exceeds 4SH
5000	1/4" > 5/8"	Meets or exceeds 4SP
5000	3/4" > 2"	Meets or exceeds SAE100R13
5000	1 1/4"	Meets or exceeds 4SH
6000	1/4" > 1/2"	Meets or exceeds 4SP
6000	5/8" > 2"	Meets or exceeds SAE100R15



Exitflex hose coupling application summary

Braided one-piece hose fitting

Premium/Economical

EB – Exitflex Braided



EB-FL-1212

Features:

- > New plating technology for up to 500 hours of corrosion resistance
- > Bite the wire technology delivering a high quality ergonomically designed connection
- > Zero leakage with a proven weather seal
- > The Exitflex EB One-piece Coupling program provides identification markings relating to family type, size, industry connection and a serial number for traceability
- > Smooth crimp finish
- > JIC Female couplings Imperial Hex Nut Sizes.

Braided / Spiral One-Piece Universal hose fittings

Premium

ES – 2SN/2SC/4S/6S



ES-JCFX-1212



ES-FH-1212

Features:

- > New plating technology for up to 500 hours of corrosion resistance
- > Zero leakage with a proven weather seal
- > The Exitflex ES Hose coupling is one of the most universal one-piece couplings on the global market today that can be used on a large range of braided and spiral Exitflex Hydraulic Hose types
- > The Exitflex ES One-piece Coupling program provides identification markings relating to family type, size, industry connection and a serial number for traceability
- > Bite the wire technology
- > JIC Female couplings Imperial Hex Nut Sizes.

Exitflex Hydraulic Hose | Industrial, textile, thermoplastic, braided, spiral

Exitflex hose coupling application summary

Spiral Extreme One-Piece hose fittings

Premium Extreme

EE – EXUT5 & EXUT6



Features:

- > New plating technology for up to 500 hours of corrosion resistance
- > Zero leakage with a proven weather seal
- > Exitflex EE Hose coupling has been designed and engineered to perform in the most critical extreme high pressure applications. The Exitflex Extreme Coupling has been vigorously impulse tested to suit our EXUT5 (5000psi) and EXUT6 (6000psi) hose ranges in sizes DN38 (1 ½”) AND DN51 (2”)
- > The Exitflex EE One-Piece Coupling program provides identification markings relating to family type, size, industry Connection and a serial number for traceability
- > Bite the wire technology.



Exitflex hose coupling application summary

Two-Piece Multi-Crimp hose fitting

Standard

TP – Multi-Crimp



Features:

- > Non-skive, two-piece crimp fitting
- > Exitflex TP Multi-Crimp Hose coupling has been designed and engineered suit a wide range of Exitflex Hydraulic Hose types from industrial hose, textile braid, Wire braid and a range of spiral hose
- > New plating technology for up to 500 hours of corrosion resistance
- > Zero leakage with a proven weather seal
- > Bite the wire technology
- > JIC Female couplings Imperial Hex Nut Sizes.

Spiral Two-Piece Interlock Int & Ext Skive EXUT5 & EXUT6

Premium

Premium/Extreme DG/DE
– 2SN/2SC/4S/6S



Features:

- > New plating technology for up to 500 hours of corrosion resistance
- > Zero leakage with a proven weather seal
- > Exitflex DG & DE Dual-Grip Inter-lock two-piece internal / external skive Hose coupling has been designed and engineered suit a range of Exitflex Spiral Hydraulic Hose types
- > The DG/DE Interlock system will cover Spiral Hydraulic Hose range EXUT4, EXUT5 and EXUT6 from sizes 1 ¼” (DN32) through to 2” ID (DN51)
- > The Exitflex DG/DE Two-Piece Coupling program provides identification markings relating to family type, size, and a serial number for traceability
- > Bite the wire technology.

