



OUR GLOBAL HOSE OFFERING

 BRANCH SOLUTIONS

 ON-SITE SOLUTIONS

 DO-IT-MYSELF SOLUTIONS

 MOBILE SOLUTIONS

TAILOR-MADE HOSE SOLUTIONS

- >>> Stock **availability**
- >>> **Analysis & expertise**
- >>> **Emergency & scheduled** repairs
- >>> On-site **24/7** service
- >>> **Broad range** of tooling options
- >>> Mobile, On-site or Workshop **solutions**



WHY TRUST US ?

- >>> Manufactured from **100%** Cat genuine components
- > **12 months** warranty*
- >>> **Contamination control**
- > Process validated by Caterpillar
- >>> **Hose marking** over its entire length
- > Easier to identify & replicate

*See conditions with our local representative

HOSE RANGE BENEFITS



HIGH TEMPERATURES RESISTANT

- >>> High pressure hoses are tested at **121°C**
- > **15%** above industry standards
- >>> Rubber designed in Cat dedicated labs
- > **Increased resistance** to hydraulic fluid circulation



IMPULSE CYCLES AND ABRASION RESISTANCE

- >>> Designed to perform above and beyond the industry standards, achieving **1 million** impulse cycles
- > Tested up to **133%** of maximum operating pressure
- 2,5** x SAE standard
- >>> Superior performance in the toughest applications
- > **Enhanced Spiral** (-ES) is **20 times** higher than industry standard. **Toughguard** (-TG) surpassed **2 million cycles** without failure



BEND RADIUS

- >>> **1/2 SAE** bend radius
- >>> **Ultra compact** design
- >>> **Ideal** for confined spaces
- >>> **Increased** to torsion resistance
- >>> **MSHA certified** (mining standard)



CONTAMINATION CONTROL

- >>> **Instant** hose cleaning after cutting
- > Using a projectile launched under pneumatic pressure into the hose
- >>> Hydraulic component storage
- > **Kept** in their original packaging and stored in the shelter until assembly

COUPLING RANGE BENEFITS



REUSABLE COUPLING RANGE

- >>> Save **time** and save **money**
- >>> **Easy** to assemble and disassemble
- There is **no specific limit** to the number of
- >>> times a coupling can be reused*
- >>> **40%** cost savings after several uses

*Follow the Reclaiming procedure



PERMANENT COUPLING RANGE

- >>> **One piece design** without removable sleeve
- >>> Internal claws for a **better hose crimp**
- >>> Forged and heat-treated steel **for more resistance**
- >>> **Versatile, economical** and **adapted** to confined spaces

A LARGE HOSE RANGE

Range	Hose	Standard	Pressure (Psi)	Pressure (Kpa)	Temperature range *	PC*	RC*	Material	Plies of spirally-wrapped	Applications
High pressure	XT-3ES (736)	SAE 100R12	2500 - 4000	17500 - 28000	-40c à +121°c	YES	YES	synthetic rubber tube	4	Universal, general and intensive applications.
	XT-5ES (1036)	SAE 100R13	5000	34500	-40C à +121°C	YES	YES	synthetic rubber tube and cover	4 (Ø < 1") 6 (Ø > 1")	Conceived for Cat Excavator Range.
	XT-6ES (2836)	SAE 100R15	6000	41400	-40C à +121°C	YES	YES	synthetic rubber tube	4 (Ø < 1") 6 (Ø > 1")	Extreme high-pressure service with petroleum base hydraulic fluids. MSHA-approved cover.

*T°: for all temperature range, please contact solutionflexible@jadelmas.com for specific applications.

*PC: Permanent Coupling

*RC: Reusable Coupling

Range	Hose	Standard	Pressure (Psi)	Pressure (Kpa)	Temperature range *	PC*	RC*	Material	Plies of spirally-wrapped	Applications
Low and Medium pressure	716	SAE 100R1 AT	375 - 2750	2600 - 19000	-40°C à +135°C	YES	NO	synthetic rubber tube	Braided	Medium pressure service with high temperature petroleum base hydraulic fluids, hot oil, grease, lubricants, and crude oils. MSHA-approved cover.
	294	SAE 100R2 AT	1125 - 5000	7500 - 34500	-40°C à +100°C	YES	NO	synthetic rubber tube	Braided	High pressure service with petroleum base hydraulic fluids, water-glycol and water-oil fire resistant hydraulic fluids, hot oil, grease, lubricants, crude and fuel oils, air and water. MSHA-approved cover.
	844	SAE 100R4	100 - 300	690 - 2070	-40°C à +135°C	YES	NO	synthetic rubber tube	1 helical wire spiral	Hydraulic system suction or return lines with petroleum base hydraulic fluids. MSHA-approved cover.

Range	Hose	Standard	Pressure (Psi)	Pressure (Kpa)	Temperature range *	PC*	RC*	Material	Plies of spirally-wrapped	Applications
Special application	743	N/A	290 - 508	2000 - 3500	-40°C à +135°C	YES	NO	synthetic rubber tube	2	Hose is intended for use with petroleum based hydraulic fluids and lubricating oils.
	1130	SAE J1402	250 - 2002	1724 - 13800	-30°C à +135°C	NO	YES	synthetic rubber tube textile inner braid	1	Air, engine oil, water, lubricating oils, diesel fuel, petroleum base hydraulic oils. All air brake approved.
	1543J	SAE J51 D	400 - 500	2758 - 3448	-30°C à +125°C	YES	NO	Thermoplastic tube	N/A	Air conditioning systems for trucks & Construction machines.

OUR ADDED VALUE

- >>> **New** assembly tool available
- >>> Cat hoses and fittings covering **many applications for Cat & non Cat equipment**
- >>> **The only** machine manufacturer to design and produce its hoses
- >>> Find our **COMPLETE** hose and fittings range on parts.cat.com or solutionflexible@jadelmas.com

MAXIMIZE LIFE OF YOUR HYDRAULIC SYSTEM

- >>> Cat lubricants will **maximize** the **durability** and **productivity** of your machines
- >>> **Increase** machine life and performance
- >>> Offer **long-lasting protection** to your components

