CATERPILLAR FLUID SYSTEMS PROVIDES HIGH QUALITY HYDRAULIC HOSE AND COUPLINGS FOR OEM AND FOR THE GENERAL MARKET BUSINESS SECTOR.

THE PRODUCT LINE INCLUDES MANY DIFFERENT CONFIGURATIONS OF HOSE AND COUPLINGS FROM SMALL DIAMETERS TO LARGE BORE HOSE PRODUCTS.

OUR HYDRAULIC HOSE, COUPLINGS, AND ASSEMBLIES ARE MARKETED UNDER THE ANCHOR BRAND.
ANCHOR, WITH A HISTORY DATING BACK TO 1938, SPECIALIZES IN HIGH QUALITY HYDRAULIC HOSE AND COUPLINGS FOR BOTH THE OEM AND GENERAL MARKET BUSINESS SECTORS.

THE ANCHOR PRODUCT LINE INCLUDES MANY DIFFERENT CONFIGURATIONS OF HOSE AND COUPLINGS FROM SMALL DIAMETERS UP TO THE LARGE BORE HOSE PRODUCTS. ANCHOR BRANDED PRODUCT IS MANUFACTURED FOLLOWING HIGHEST QUALITY STANDARDS AND PRODUCTION SPECIFICATIONS. THE ANCHOR BRAND OFFERS PERFORMANCE PRODUCTS AND SYSTEMS SOLUTIONS WITH PERSONALIZED SERVICE.
BRAIDED HOSE

Synthetic rubber tube, one or two braids of special high tensile steel wire reinforcements separated by layers of synthetic rubber. Oil and weather resistant synthetic rubber cover. Temperature range: -40°C to +150°C

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<tr>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>1SN EN 853 / SAE 100 R1 AT</td>
<td>HIGH-TEMPERATURE 150°C</td>
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<tr>
<td>1SC EN 857</td>
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<tr>
<td>1SN EN 853 / SAE 100 R1 AT</td>
<td>HIGH-TEMPERATURE 150°C BLUE COVER</td>
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<tr>
<td>2SC EN 857 / SAE 100 R16</td>
<td>HIGH-PRESSURE TOUGHGUARD™</td>
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<td>HIGH-TEMPERATURE 150°C BLUE COVER</td>
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SPIRAL HOSE
Synthetic rubber tube, four or six spiral plies of high tensile steel wire reinforcements separated by layers of synthetic rubber. Oil and weather resistant synthetic rubber cover. Temperature range: -40°C to +120°C
TEXTILE BRAIDED HOSE

Synthetic rubber tube, one or two textile braid reinforcements, synthetic rubber cover with all layers bonded. Temperature range: -40°C to +120°C

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<thead>
<tr>
<th>Hose Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>R4 SAE 100 R4</td>
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<tr>
<td>R4 SAE 100 R4 PLUS MSHA</td>
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<td>R5 SAE 100 R5</td>
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<td>R6 EN 854 / SAE 100 R6</td>
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THERMOPLASTIC HOSE

Elastomeric core tube, one or two fiber braid reinforcements special polyester cover with all layers bonded. Temperature range: -56°C to +100°C
A **LARGE SELECTION OF COUPLINGS** to meet needs of the market, designed & tested as a system to work with Anchor hose. Complete traceability of the product.
COUPLINGS: Series 1
COUPLINGS: Series 2
A full line of tooling for servicing Anchor hose assemblies. **High Quality Assembly Equipment:** economic/low maintenance; fast cycling; quick tooling change; robust & precise.

**Workshop Crimpers**

**Cutting Machines**

**Skiving Machines**

**Peripheral Equipment**

**ASSEMBLING EQUIPMENT**
Testing according to ASTM D 380 – SAE – EN Standards
Monsanto Rheometer and Mooney Viscometer for compound characteristics.
Tension, aging, hardness, & immersion testing conducted using statistical sampling.
Testing conducted according to highest engineering/design specifications

Wire dimension, tensile strength, torsion & coating.

Hydraulic Hose Testing: Wire Tensile Strength
Dimensional evaluations are made at the final production phase before shipping to customers

According to the applicable SAE & EN Standards, the following dimensions are verified: internal bore, external diameter with exposed wire, cover elongation under pressure, burst pressure & adhesion between liner, wire and cover.

Hydraulic Hose Testing: Dimensional
Additional test performed: Standards EN 6945, EN27326, ASTM D117
Cover abrasion resistance, ozone resistance, salt spray test (for couplings only).

Hydraulic Hose Testing: Abrasion, Corrosion, Climate
Testing conducted following Standards EN 1402 - SAE J343, SAE J343 - EN 6803, SAE J1405 - EN 8032
Static pressure test, static impulse test, flex impulse test.

Hydraulic Hose Testing: Pressure Testing
Static pressure test according to EN 1402 – SAE J343

Hydraulic Hose Testing: Burst
The Sikora measuring system is applied on the liner extruders
It ensures the concentricity within the prescribed tolerances on 100% of the hose batches.

Hydraulic Hose Testing: Concentricity
Our couplings are designed to work as a system with Anchor Hose and according to specific standards. Couplings are evaluated in the laboratories for: overall dimensions, thread dimensions, steel characteristics, e.g. hardness, tensile strength. Final finish e.g. rust prevention treatment/coatings.

Hydraulic Hose Testing: Metallurgical
Assembling instruction and crimping charts are provided in a password-protected section of the web-site.
Si certifica che il sistema di gestione di:

**CATERPILLAR FLUID SYSTEMS S.r.l.**

È conforme ai requisiti della norma per il Sistema di Gestione Qualità:

**UNI EN ISO 9001:2015**

Questa certificazione è valida per il seguente campo applicativo:

- Progettazione e produzione di tubi idraulici flessibili in gomma con rinforzi metallici e tessili per uso industriale. Progettazione e produzione di raccordi per tubi idraulici in gomma.
  
  (Settore EA: 14 - 17)

**Vimercate (MB), 15 dicembre 2017**

Per l’Organismo di Certificazione:

Nicola Privato

Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
First response to claim within 24 working hours

qms@cat.com

eMail address specifically created and devoted

24h

First response to claim within 24 working hours

QUALITY