

590TJ ToughJACKET™ Hose

Ideal for Heavy Duty Hydraulics



The 590TJ hose targets all hydraulic applications with increased requirements for durability and lifetime under tough conditions.

The ToughJACKET™ cover offers excellent resistance against

- Abrasion
- UV & Ozone
- Temperatures up to 121°C

This increases service life and reduces machine down times.

The 590TJ has been optimized to simplify design and installation. Combined with its durability and reliability it offers an overall excellent cost of ownership.

Example applications are

- Construction equipment
- Agricultural equipment
- Material handling
- Machine Tools



Features:

Cover

- Excellent abrasion resistance
- Excellent UV & Ozone resistance
- Anti sticking cover
- Seawater resistant

Hose Characteristics

- Compact design
- Very small bend radius
- Twin & multiple lines available, small length change under pressure
- Preformed hose assemblies
- Lightweight
- Temperature range -40°C ... 121°C

Benefits:

Rugged & Durable

- Long life time & reduced machine down time in critical applications and in harsh environments

- Easy to install & longer life time
- Ideal for marine environments

Improved Product Design & Installation

- Ideal when space is limited
- Ideal for very compact machines
- No hose tangling or abrasion between hoses, easy installation
- Optimized & individual design
- Easy handling, reduced fuel costs, increased payload
- Extended range of applications



ENGINEERING YOUR SUCCESS.

590TJ ToughJACKET™ Hose

EXAMPLE APPLICATIONS & MARKETS:

- Construction Equipment
- Machine Tools
- Material Handling
- Agriculture Equipment

CONSTRUCTION:

Core Tube: Copolyester
Reinforcement: Aramid fiber, high tensile wire braid
Cover: Polyurethane TOUGHJACKET™, black

OPERATING PARAMETERS:

Temperature Range:

Petroleum base hydraulic fluids and lubricating oils:

-40°C to +121°C (-40°F to +250°F)

Synthetic, synthetic blend, and water/oil emulsion hydraulic fluids:

up to +85°C (+185°F)

Water/glycol hydraulic fluids:

up to +57°C (+135°F)






Vacuum Rating: 28 inch Hg


Change in length at Max. Working Pressure: ± 2%

Min. Burst Pressure: 4x Max. Working Pressure at 23°C (73°F)

CERTIFICATIONS:

- Meets/Exceeds SAE 100R2
- MSHA Accepted

Part Number #	Nominal I.D. inch mm		Maximum O.D. inch mm		Max. Working Pressure MPa psi		Min. Bend Radius inch mm		Weight lbs/ft kg/m		Permanent Fitting Series
											
590TJ-4	1/4	6.3	0.53	12.5	34.5	5,000	1.75	44	0.13	0.20	56
590TJ-6	3/8	10.0	0.65	16.3	27.6	4,000	2.25	57	0.19	0.29	56
590TJ-8	1/2	12.5	0.78	19.3	24.1	3,500	3.25	82	0.24	0.36	56
590TJ-12	3/4	19.0	1.11	28.0	17.2	2,500	4.72	120	0.39	0.58	43/48
590TJ-16	1	25.0	1.43	36.0	13.8	2,000	5.91	150	0.77	1.06	43/48



Crimping details are just a click away.

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