

 **ALFAGOMMA**

FLEXTREME



ALFA TECH 4000 *FL_EXTREME*

Hydraulic Hose - HIGH PULSATING PRESSURE

Four Wire Spiral Hose

ALFAGOMMA PROPRIETARY HOSE

EXCEEDS THE REQUIREMENT OF SAE J517 100R12 - EN 856 R12

MEETS FLAME RESISTANCE ACCEPTANCE DESIGNATION
US MSHA IC-152/8



Construction

Synthetic rubber black tube, oil resistant; four layers of spirally wrapped high tensile steel wire reinforcement separated by synthetic rubber cushion on a fabric layer; synthetic rubber black outer cover oil, fuel, weather, ozone and abrasion resistant. Biodegradable hydraulic fluids.

Application

High pulsating pressure service with petroleum base hydraulic fluids. Developed to withstand punishing conditions and to meet increasing pressure pulsing, flexing and temperature demands not currently covered by International specifications.

Features

Extraordinary flexibility.
Excellent bend radii properties.
Superior performance under flex-impulse conditions.
Exceptional long life.
Tested over 1.000.000 impulse cycle at 133% of rated working pressure at 121°C (+250°F).
Clear branding and coding for ease of selection and identification.

Benefits

Greater design, installation and routing efficiency.
Use less hose for bent applications.
Reduces inventory needs.
MSHA accepted cover on request.

Temperature Range

-40°C to +121°C (-40°F to +250°F) constant operation.
Operating temperatures in excess of +121°C (+250°F) may materially reduce the life of the hose.

Ambient

-40°C to +80°C (-40°F to +175°F).

Couplings

Crimp-on permanent.

Length

Random up to 1". 40 m (131') max over 1".

Note

Hose cover needs to be removed before attaching couplings.

HOSE I.D. (in)	3/4	1	1 1/4
HOSE I.D. (mm)	19	25.4	31.8
HOSE DASH size	-12	-16	-20
HOSE O.D. (in)	1.21	1.50	1.87
HOSE O.D. (mm)	30.7	38	47.5
MIN. BURST PRESS. (MPa)	110.0	110.0	110.0
MIN. BURST PRESS. (psi)	16000	16000	16000
MAX. WORK. PRESS. (MPa)	28.0	28.0	28.0
MAX. WORK. PRESS. (psi)	4000	4000	4000
MIN. BEND RADIUS (in)	4.7	6.0	9.0
MIN. BEND RADIUS (mm)	125	150	210
WEIGHT (lb/C ft)	87	128	181
WEIGHT (Kg/m)	1.30	1.90	2.70

ALFA TECH 5000 *FL_EXTREME*

Hydraulic Hose - EXTRA HIGH PULSATING PRESSURE

Four Wire Spiral Hose

ALFAGOMMA PROPRIETARY HOSE

EXCEEDS THE REQUIREMENT OF SAE J517 100R13 - EN 856 R13

MEETS FLAME RESISTANCE ACCEPTANCE DESIGNATION
US MSHA IC-152/8



Construction

Synthetic rubber black tube, oil resistant; four layers of spirally wrapped high tensile steel wire reinforcement separated by synthetic rubber cushion on a fabric layer; synthetic rubber black outer cover oil, fuel, weather, ozone and abrasion resistant. Biodegradable hydraulic fluids.

Application

Extremely high pulsating pressure service with petroleum base hydraulic fluids. Developed to withstand punishing conditions and to meet increasing pressure pulsing, flexing and temperature demands not currently covered by International specifications.

Features

Extraordinary flexibility.
Excellent bend radii properties.
Superior performance under flex-impulse conditions.
Exceptional long life.
Tested over 1.000.000 impulse cycle at 120% of rated working pressure at 121°C (+250°F).
Clear branding and coding for ease of selection and identification.

Benefits

Greater design, installation and routing efficiency.
Use less hose for bent applications.
Reduces inventory needs.
MSHA accepted cover on request.

Temperature Range

-40°C to +121°C (-40°F to +250°F) constant operation.
Operating temperatures in excess of +121°C (+250°F) may materially reduce the life of the hose.

Ambient

-40°C to +80°C (-40°F to +175°F).

Couplings

Crimp-on permanent.

Length

Random up to 1". 40 m (131') max over 1".

Note

Hose cover needs to be removed before attaching couplings.

HOSE I.D. (in)	3/4	1	1 1/4
HOSE I.D. (mm)	19	25.4	31.8
HOSE DASH size	-12	-16	-20
HOSE O.D. (in)	1.27	1.53	1.97
HOSE O.D. (mm)	30.7	38.7	45.5
MIN. BURST PRESS. (MPa)	140	140.0	140.0
MIN. BURST PRESS. (psi)	20000	20000	20000
MAX. WORK. PRESS. (MPa)	35.0	35.0	35.0
MAX. WORK. PRESS. (psi)	5000	5000	5000
MIN. BEND RADIUS (in)	4.75	7.5	13.8
MIN. BEND RADIUS (mm)	125	190	350
WEIGHT (lb/C ft)	108	135	171
WEIGHT (Kg/m)	1.60	2.00	2.55

ALFA TECH 6000 *FL_EXTREME*

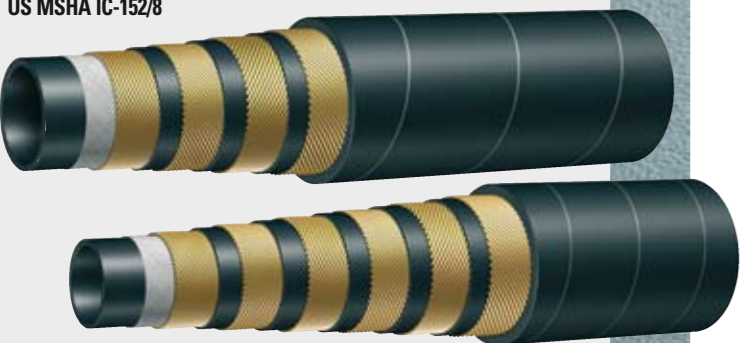
Hydraulic Hose - EXTREMELY HIGH PULSATING PRESSURE

Four or six Wire Spiral Hose

ALFAGOMMA PROPRIETARY HOSE

EXCEEDS THE REQUIREMENTS OF SAE J517 100 R15

MEETS FLAME RESISTANCE ACCEPTANCE DESIGNATION
US MSHA IC-152/8



Construction

Synthetic rubber black tube, oil resistant; four or six layers of spirally wrapped high tensile steel wire reinforcement separated by synthetic rubber cushion on a fabric layer; synthetic rubber black outer cover oil, fuel, weather, ozone and abrasion resistant. Biodegradable hydraulic fluids.

Application

Extremely high pressure high impulse service with petroleum base hydraulic fluids such as hydrostatic transmissions. Developed to withstand punishing conditions and to meet increasing pressure pulsing, flexing and temperature demands not currently covered by International specifications.

Features

Extraordinary flexibility.
Excellent bend radii properties.
Superior performance under flex-impulse conditions.
Exceptional long life.
Tested over 1.000.000 impulse cycle at 120% of rated working pressure at 121°C (+250°F).
Clear branding and coding for ease of selection and identification.

Benefits

Greater design, installation and routing efficiency.
Use less hose for bent applications.
Reduces inventory needs.
MSHA accepted cover on request.

Temperature Range

-40°C to +121°C (-40°F to +250°F) constant operation.
Operating temperatures in excess of +121°C (+250°F) may materially reduce the life of the hose.

Ambient

-40°C to +80°C (-40°F to +175°F).

Couplings

Crimp-on permanent.

Length

Random up to 1". 40 m (131') max over 1".

Note

Hose cover needs to be removed before attaching couplings.

HOSE I.D. (in)	3/4	1	1 1/4 Six spiral
HOSE I.D. (mm)	19	25.4	31.8
HOSE DASH size	-12	-16	-20
HOSE O.D. (in)	1.27	1.52	1.96
HOSE O.D. (mm)	32.2	38.7	49.8
MIN. BURST PRESS. (MPa)	168.0	168.0	168.0
MIN. BURST PRESS. (psi)	24000	24000	24000
MAX. WORK. PRESS. (MPa)	42.0	42.0	42.0
MAX. WORK. PRESS. (psi)	6000	6000	6000
MIN. BEND RADIUS (in)	6.7	8.7	10.5
MIN. BEND RADIUS (mm)	170	220	265
WEIGHT (lb/C ft)	108	135	237
WEIGHT (Kg/m)	1.60	2.00	3.50