



FLUID TRANSFER TECHNOLOGY

# HYDRAULIC HOSES



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<b>Section</b>	<b>Page</b>	<b>Section</b>	<b>Page</b>
<b>Wire Braid</b>	<b>4-10</b>	<b>Fabric Braid</b>	<b>16-18</b>
CR1	4	GTH - High Temp	16
G1	4	LOL Plus Lock-On Hose	16
G1H - High Temp	4	C5C-XH Xtreme® Heat Hose	16
CR2	5	TH7 Hydraulic Hose	17
G2	5	TH7DL Dual Line Hydraulic	17
G2XH 2 - Wire Braid Xtreme®	5	TH7NC Non Conductive	17
J2AT - Jacking Hose	6	TH7NCDL Non Conductive Dual Line	18
M3K	6	TH8 Hydraulic Hose	18
M3K - Megatuff®	6	TH8NC Non Conductive	18
M4K	7		
M4K - MegaTuff®	7		
M5K	7		
M5K - MegaTuff®	8		
M2T - MegaTuff®	8		
MXG™ 4K Hydraulic Hose	8		
MXT™ Hydraulic Hose	9		
MXT XTP™ Hydraulic Hose	9		
Clean Master Pressure Washer Hose	10		
<b>Multi Spiral</b>	<b>12-14</b>		
EFG3K	12		
EFG3K - MegaTuff®	12		
EFG4K	12		
EFG4K - MegaTuff®	13		
EFG5K	13		
EFG5K - MegaTuff®	13		
EFG6K	14		
EFG6K - MegaTuff®	14		
EFG8K	14		



# WIRE BRAID

## CR1



### Applications

Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1, ISO 1436 1SNR1 and EN 853 1SN.

### Features

- MSHA
- Available with Gates 1 or 2 Piece Fittings

### Temperature Range

-40°C to +100°C.

#									
	inch	DN	mm	bar	psi	bar	psi	mm	
4CR1	1/4	6	13.2	226	3,275	903	13,100	102	
6CR1	3/8	10	16.8	179	2,600	717	10,400	127	
8CR1	1/2	12	19.8	160	2,325	641	9,300	178	
10CR1	5/8	16	23.1	131	1,900	524	7,600	203	
12CR1	3/4	19	27.2	105	1,525	420	6,100	241	
16CR1	1	25	35.1	86	1,250	345	5,000	300	

## G1



### Applications

Medium pressure hydraulics with low flexure/non-severe applications requiring the SAE 100R1 or EN853 1SN specification for dimensions and performance.

### Features

- MDG41 and FRAS Compliant
- Available with Field Attachable Fittings

### Temperature Range

-40°C to +100°C.

#									
	inch	DN	mm	bar	psi	bar	psi	mm	
3G1	3/16	5	11.9	250	3,625	1000	14,500	76	
4G1	1/4	6	13.5	225	3,275	900	13,100	102	
6G1	3/8	10	17.3	180	2,600	720	10,400	127	
8G1	1/2	12	20.3	160	2,325	640	9,300	178	
10G1	5/8	16	23.6	130	1,900	520	7,600	203	
12G1	3/4	19	27.7	105	1,525	420	6,100	229	
16G1	1	25	35.6	90	1,300	358	5,200	305	
20G1	1 1/4	31	43.4	63	925	252	3,700	406	
24G1	1 1/2	38	49.8	50	725	200	2,900	508	
32G1	2	51	63.8	41	600	186	2,700	635	

## G1H - High Temp



### Applications

High temperature medium pressure hydraulic oil lines. Meets or exceeds requirements of SAE 100R1 Type AT.

### Features

- High Temperature Rating

### Temperature Range

-40°C to +135°C constant and +149°C intermittent (up to 10% of operating time).

#									
	inch	DN	mm	bar	psi	bar	psi	mm	
4G1H	1/4	6	13.5	190	2,750	758	11,000	102	
6G1H	3/8	10	17.5	155	2,250	620	9,000	127	
8G1H	1/2	12	20.3	138	2,000	552	8,000	178	
10G1H	5/8	16	23.9	103	1,500	414	6,000	203	
12G1H	3/4	19	27.9	86	1,250	345	5,000	229	
16G1H	1	25	35.8	68	1,000	276	4,000	305	
20G1H	1 1/4	31	43.4	63	925	255	3,700	406	
24G1H	1 1/2	38	49.8	50	725	200	2,900	508	
32G1H	2	51	63.8	41	600	165	2,400	635	

## CR2



### Applications






High pressure hydraulics with low flexure/non-severe applications requiring the SAE 100R2 or EN853 2SN specification for dimensions and performance.

### Features

- MSHA
- Available with Gates 1 or 2 Piece Fittings

### Temperature Range

-40°C to +100°C.

#									
	inch	DN	mm	bar	psi	bar	psi		
4CR2	1/4	6	14.5	400	5,800	1600	23,200	102	
6CR2	3/8	10	17.2	331	4,800	1324	19,200	127	
8CR2	1/2	12	20.2	276	4,000	1103	16,000	178	
10CR2	5/8	16	24.0	250	3,625	1000	14,500	203	
12CR2	3/4	19	27.4	215	3,125	862	12,500	214	
16CR2	1	25	35.0	165	2,400	662	9,600	305	

## G2



### Applications






High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

### Features

- MDG41 and FRAS Compliant
- Available with Field Attachable Fittings

### Temperature Range

-40°C to +100°C : limited to +70°C for water based fluids.

#									
	inch	DN	mm	bar	psi	bar	psi		
4G2	1/4	6	15.0	400	5,800	1599	23,200	102	
6G2	3/8	10	18.8	331	4,800	1324	19,200	127	
8G2	1/2	12	21.8	276	4,000	1103	16,000	178	
10G2	5/8	16	25.2	250	3,625	1000	14,500	203	
12G2	3/4	19	29.2	214	3,100	855	12,400	214	
16G2	1	25	37.6	165	2,400	662	9,600	305	
20G2	1 1/4	31	47.2	126	1,825	503	7,300	419	
24G2	1 1/2	38	53.6	90	1,300	358	5,200	508	
32G2	2	51	66.5	81	1,175	324	4,700	635	

## G2XH 2 - Wire Braid Xtreme®



### Applications






Extremely High temperature high-pressure hydraulic applications where pressure or temperature requirements exceed SAE100R2, ISO1436 2SN R2 and EN 853 2SN or where resistance to either petroleum-base or phosphate ester fluids is required. Meets SAE J1942 requirements.

### Features

- Each hose features a constant working pressure.
- Black, oil resistant synthetic rubber (CPE)
- Tested to industry leading 1,000,000 impulse cycles.

### Temperature Range

-40°C to +149°C.

#									
	inch	DN	mm	bar	psi	bar	psi		
4G2XH	1/4	6	15.0	413	6,000	1654	24,000	102	
6G2XH	3/8	10	18.8	344	5,000	1378	20,000	127	
8G2XH	1/2	12	21.8	293	4,250	1172	17,000	178	
10G2XH	5/8	16	25.2	249	3,625	999	14,500	203	
12G2XH	3/4	19	29.2	213	3,100	854	12,400	214	
16G2XH	1	25	37.6	172	2,500	689	10,000	305	
20G2X	1 1/4	31	47.2	155	2,250	620	9,000	419	
24G2X	1 1/2	38	53.6	124	1,800	496	7,200	508	
32G2X	2	51	66.5	103	1,500	413	6,000	635	

# WIRE BRAID

## J2AT - Jacking Hose



### Applications

Used in hydraulic jacking systems which operate at 10,000 psi (690 bar).

### Features

- For use in harsh environments where thermoplastic hoses aren't suited

### Temperature Range

-40°C to +49°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4J2AT	1/4	6	15.0	689	10,000	1379	20,000			102		
6J2AT	3/8	10	18.8	689	10,000	1379	20,000			127		

## M3K



### Applications

High-pressure hydraulic oil lines. Exceeds ISO 18752 Grade B, SAE 100R17 and ISO11237 R17 working pressure. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

### Features

- Isobaric hose, 3,250 psi working pressure
- Very flexible hose when compared to 1 and 2 wire product.

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M3K	1/4	6	12.2	224	3,250	896	13,000			13.1		
6M3K	3/8	10	16	224	3,250	896	13,000			50.8		
8M3K	1/2	12	20.3	224	3,250	896	13,000			71.1		

## M3K - Megatuff®



### Applications

High-pressure hydraulic oil lines. Exceeds ISO 18752 Grade B, SAE 100R17 and ISO11237 R17 working pressure. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

### Features

- Isobaric hose, 3,250 psi working pressure.
- Extra abrasion resistance

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M3K-MTF	1/4	6	12.2	224	3,250	896	13,000			38.1		
6M3K-MTF	3/8	10	16	224	3,250	896	13,000			50.8		
8M3K-MTF	1/2	12	20.3	224	3,250	896	13,000			71.1		
10M3K-MTF	5/8	8	25.1	224	3,250	896	13,000			76.2		
12M3K-MTF	3/4	19	29.2	224	3,250	896	13,000			96.5		

## M4K



### Applications

Exceeds ISO18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards.

### Features

- Isobaric hose, 4,000 psi working pressure

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M4K	1/4	6	14.0	276	4,000	1103	16,000	38				
6M4K	3/8	10	17.8	276	4,000	1103	16,000	51				
8M4K	1/2	12	20.8	276	4,000	1103	16,000	71				
10M4K	5/8	16	25.2	276	4,000	1103	16,000	76				
12M4K	3/4	19	29.7	276	4,000	1103	16,000	97				
16M4K	1	25	38.6	276	4,000	1103	16,000	114				

## M4K - MegaTuff®



### Applications

Exceeds ISO18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards.

### Features

- Isobaric hose, 4,000 psi working pressure
- Extra abrasion resistance

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M4K-MTF	1/4	6	14.0	276	4,000	1103	16,000	38				
6M4K-MTF	3/8	10	17.8	276	4,000	1103	16,000	51				
8M4K-MTF	1/2	12	20.8	276	4,000	1103	16,000	71				
10M4K-MTF	5/8	16	25.2	276	4,000	1103	16,000	76				
12M4K-MTF	3/4	19	29.7	276	4,000	1103	16,000	97				
16M4K-MTF	1	25	38.6	276	4,000	1103	16,000	114				

## M5K



### Applications

High-pressure hydraulic applications exceeds ISO18752 Grade B. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

### Features

- Isobaric Hose, 5,000 psi working pressure
- High flexibility and low weight when compared to spiral hoses

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M5K	1/4	6	14.0	345	5,000	1379	20,000	50				
6M5K	3/8	10	17.8	345	5,000	1379	20,000	64				
8M5K	1/2	12	21.8	345	5,000	1379	20,000	89				

# WIRE BRAID

## M5K - MegaTuff®



### Applications

High-pressure hydraulic applications exceeds ISO18752 Grade B. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

### Features

- Isobaric Hose, 5,000 psi working pressure
- High flexibility and low weight when compared to spiral hoses

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M5K-MTF	1/4	6	14.0	345	5,000	1379	20,000	51				
6M5K-MTF	3/8	10	17.8	345	5,000	1379	20,000	63				
8M5K-MTF	1/2	12	21.8	345	5,000	1379	20,000	89				

## M2T - MegaTuff®



### Applications

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945 Exceeds SAE 100R16, SAE 100R2, ISO11237 2SC R16 and ISO 1436. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

### Features

- Compact design braided hose
- Extra Abrasion Resistant

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4M2T-MTF	1/4	6	14.2	414	6,000	1655	24,000	38				
6M2T-MTF	3/8	10	17.8	345	5,000	1379	20,000	51				
8M2T-MTF	1/2	12	20.8	296	4,300	1186	17,200	71				
10M2T-MTF	5/8	16	24.1	262	3,800	1048	15,200	76				
12M2T-MTF	3/4	19	28.2	241	3,500	965	14,000	97				
16M2T-MTF	1	25	35.3	172	2,500	689	10,000	114				

## MXG™ 4K Hydraulic Hose



### Applications

MXG™ 4K is an innovative addition to Gates premium, MegaSys™ Hydraulics portfolio that leverages our materials science and process technologies to deliver a lighter weight, flexible and more compact solution without compromising performance.

### Features

- 1,000,000 cycle impulse life exceeds industry standards (2X spiral and 5X wire braid standards)
- Compact construction with excellent flexibility and lower force-to-bend for faster and more ergonomic installation (Force to Bend is 40% better and OD is 8% smaller)
- 30% lighter weight for easier handling and installation
- Gates new XtraTuff™ Plus cover comes standard on MXG, providing abrasion and ozone resistance

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
6MXG	3/8	10	17.7	280	4,060	1120	16,240	65				
8MXG	1/2	12	20.7	280	4,060	1120	16,240	90				
10MXG	5/8	16	25.2	280	4,060	1120	16,240	100				
12MXG	3/4	19	28.9	280	4,060	1120	16,240	120				
16MXG	1	25	38.0	280	4,060	1120	16,240	150				



## MXT™ Hydraulic Hose



### Applications

MXT™ is an innovative addition to Gates premium, MegaSys™ Hydraulics portfolio that leverages our materials science and process technologies to deliver a lighter weight, flexible and more compact solution without compromising performance.

### Features

- Patent-pending in the U.S.
- More flexible with up to 40% lower force-to-bend for faster and more ergonomic installation
- Up to 30% lighter weight for easier handling
- Tested to 3X impulse criteria (600,000 cycles)

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4MXT	1/4	6	14.0	414	6000	1655	24,000			38.1		
5MXT	5/16	8	15.2	380	5510	1517	22,000			44.5		
6MXT	3/8	10	17.1	331	4800	1324	19,200			64.0		
8MXT	1/2	12	20.2	276	4000	1103	16,000			70.0		
10MXT	5/8	16	24.0	250	3620	1000	14,500			76.0		
12MXT	3/4	19	27.4	215	3120	862	12,500			121.0		
16MXT	1	25	35.1	165	2390	662	9,600			152.0		

## MXT XTP™ Hydraulic Hose



### Applications

MXT is an innovative addition to Gates premium, MegaSys™ Hydraulics portfolio that leverages our materials science and process technologies to deliver a lighter weight, flexible and more compact solution without compromising performance.

### Features

- Patent-pending in the U.S.
- Gates XtraTuff Plus cover now available on MXT, providing increased abrasion and ozone resistance
- More flexible with up to 40% lower force-to-bend for faster and more ergonomic installation
- Up to 30% lighter weight for easier handling
- Tested to 3X impulse criteria (600,000 cycles)

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
4MXT-XTP	1/4	6	14.0	414	6,000	1655	24,000			38.1		
5MXT-XTP	5/16	8	15.2	380	5,500	1517	22,000			44.5		
6MXT-XTP	3/8	10	17.1	331	4,800	1324	19,200			64.0		
8MXT-XTP	1/2	12	20.2	276	4,000	1103	16,000			70.0		
10MXT-XTP	5/8	16	24.0	250	3,625	1000	14,500			100.0		
12MXT-XTP	3/4	19	27.4	215	3,125	862	12,500			121.0		
16MXT-XTP	1	25	35.1	165	2,400	662	9,600			152.0		



# WIRE BRAID

## Clean Master Pressure Washer Hose



### Applications

Pressure washer hose that exceeds EN1829 standard.  
Available in non-marking blue with abrasion resistant cover.

### Features

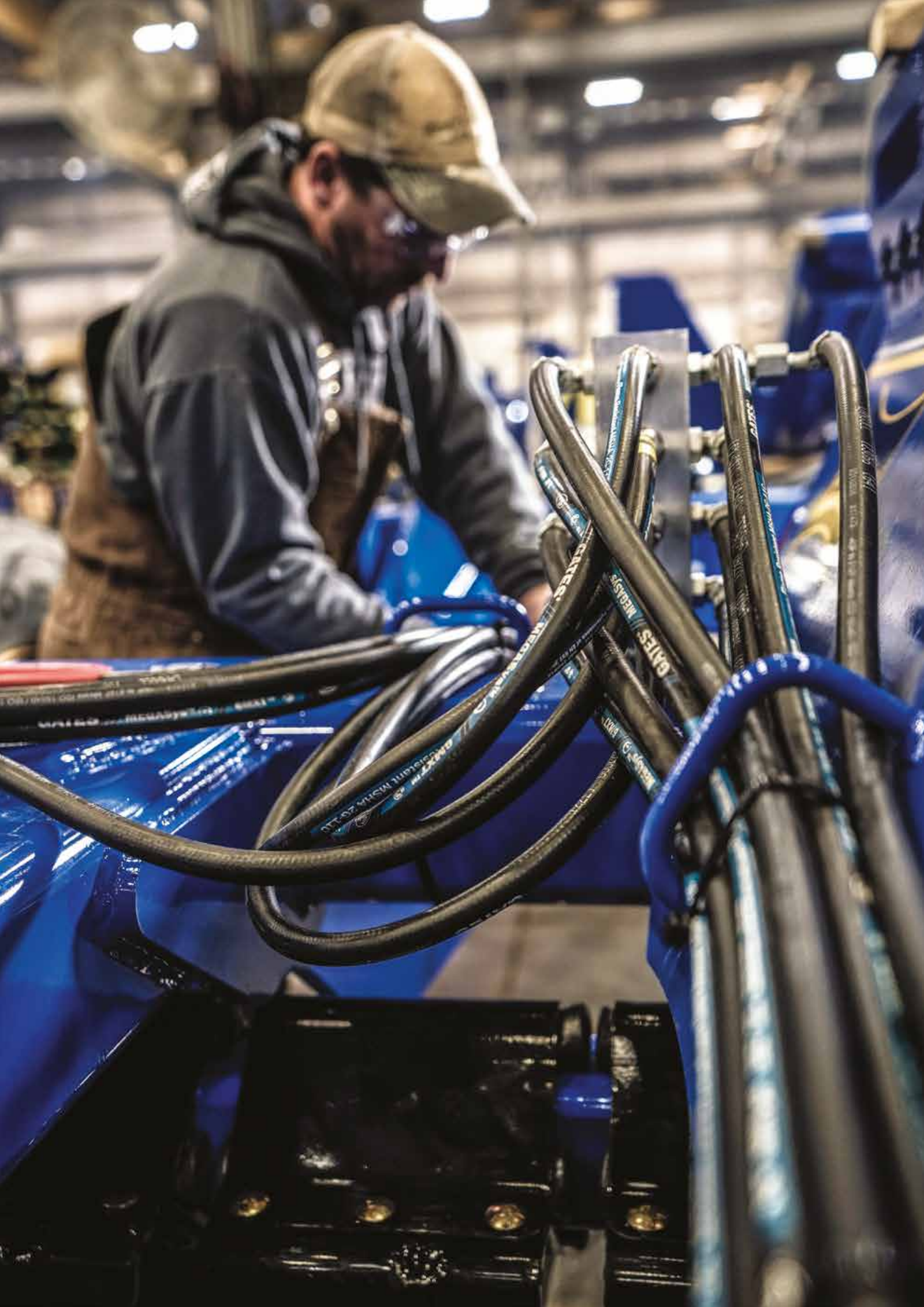
- Supplied on reels in long lengths
- Cover is ozone and MSHA Flame Resistant

### Temperature Range

-40°C to +121°C.

#	inch		mm		bar		psi		mm
	inch	DN	mm	bar	psi	bar	psi		
4CM4K	1/4	6	13.5	280	4,000	700	10,000	51	
6CM3K	3/8	10	17.3	210	3,000	525	7,500	64	
6CM6K	3/8	10	18.7	420	6,000	1,050	15,000	64	





# MULTI SPIRAL

## EFG3K



### Applications

High-pressure, high-impulse applications. Exceeds all requirements for ISO 18752 Grade D, SAE 100R12, EN 856R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids.

### Features

- Isobaric Hose, 3,000 psi working pressure

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi	
	inch	DN	mm	bar	psi	bar	psi	mm		
20EFG3K	1 1/4	31	1.85	207	3,000	827	12,000	8.2		
24EFG3K	1 1/2	38	2.11	207	3,000	827	12,000	10.0		
32EFG3K	2	51	2.63	207	3,000	827	12,000	12.5		

## EFG3K - MegaTuff®



### Applications

High-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

### Features

- Isobaric Hose, 3,000 psi working pressure
- Extra abrasion resistance

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi	
	inch	DN	mm	bar	psi	bar	psi	mm		
20EFG3K-MTF	1 1/4	31	2.11	207	3,000	827	12,000	8.2		
24EFG3K-MTF	1 1/2	38	2.11	207	3,000	827	12,000	10.0		
32EFG3K-MTF	2	51	2.63	207	3,000	827	12,000	25.0		

## EFG4K



### Applications

High-pressure, high-impulse applications. Exceeds all requirements of ISO 18752 Grade D, SAE 100R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids.

### Features

- Each hose features a constant working pressure
- Isobaric hose, 4,000 psi working pressure
- Tested to industry-leading 1,000,000 impulse cycles

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi	
	inch	DN	mm	bar	psi	bar	psi	mm		
6EFG4K	3/8	10	20.3	280	4,000	1103	16,000	64		
8EFG4K	1/2	12	23.9	280	4,000	1103	16,000	89		
10EFG4K	5/8	16	27.7	280	4,000	1103	16,000	102		
12EFG4K	3/4	19	30.7	280	4,000	1103	16,000	119		
16EFG4K	1	25	38.1	280	4,000	1103	16,000	152		
20EFG4K	1 1/4	31	47.0	280	4,000	1103	16,000	208		
48EFG4K	3	75	98.0	280	4,000	1103	16,000	889		

## EFG4K - MegaTuff®



### Applications

High-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids.

### Features

- Isobaric hose, 4,000 psi working pressure
- Extra abrasion resistance

### Temperature Range

-40°C to +121°C.

#	↙		↘		⌚		🔥		↪
	inch	DN	mm	bar	psi	bar	psi	mm	
6EFG4K-MTF	3/8	10	20.3	280	4,000	1103	16,000	64	
8EFG4K-MTF	1/2	12	23.9	280	4,000	1103	16,000	89	
10EFG4K-MTF	5/8	16	27.7	280	4,000	1103	16,000	102	
12EFG4K-MTF	3/4	19	30.7	280	4,000	1103	16,000	119	
16EFG4K-MTF	1	25	38.1	280	4,000	1103	16,000	152	
20EFG4K-MTF	1 1/4	31	47.0	280	4,000	1103	16,000	208	

## EFG5K



### Applications

High pressure high-impulse applications. Exceeds all requirements of ISO 18752 Grade D and SAE 100R13. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids.

### Features

- Each hose features a constant working pressure
- Isobaric hose, 5,000 psi working pressure
- Tested to industry-leading 1,000,000 impulse cycles

### Temperature Range

-40°C to +121°C.

#	↙		↘		⌚		🔥		↪
	inch	DN	mm	bar	psi	bar	psi	mm	
6EFG5K	3/8	10	20.3	350	5,000	1378	20,000	64	
8EFG5K	1/2	12	24.1	350	5,000	1378	20,000	89	
10EFG5K	5/8	16	27.7	350	5,000	1378	20,000	102	
12EFG5K	3/4	19	31.5	350	5,000	1378	20,000	119	
16EFG5K	1	25	38.9	350	5,000	1378	20,000	152	
20EFG5K	1 1/4	31	50.0	350	5,000	1378	20,000	208	
24EFG5K	1 1/2	38	57.4	350	5,000	1378	20,000	254	
32EFG5K	2	51	71.1	350	5,000	1378	20,000	635	
40EFG5K	2 1/2	64	85.1	350	5,000	1378	20,000	762	

## EFG5K - MegaTuff®



### Applications

High-pressure hydraulic applications. EFG5K is designed to meet or exceed all requirements of SAE 100R13 specifications. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids.

### Features

- Isobaric hose, 5,000 psi working pressure
- Extra abrasion resistance

### Temperature Range

-40°C to +121°C.

#	↙		↘		⌚		🔥		↪
	inch	DN	mm	bar	psi	bar	psi	mm	
6EFG5K-MTF	3/8	10	20.3	350	5,000	1379	20,000	64	
8EFG5K-MTF	1/2	12	24.1	350	5,000	1379	20,000	89	
10EFG5K-MTF	5/8	16	27.7	350	5,000	1379	20,000	102	
12EFG5K-MTF	3/4	19	31.5	350	5,000	1379	20,000	119	
16EFG5K-MTF	1	25	38.9	350	5,000	1379	20,000	152	
20EFG5K-MTF	1 1/4	31	50.0	350	5,000	1379	20,000	208	
24EFG5K-MTF	1 1/2	38	57.4	350	5,000	1379	20,000	254	
32EFG5K-MTF	2	51	71.1	350	5,000	1379	20,000	635	

# MULTI SPIRAL

## EFG6K



### Applications

EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications.

### Features

- Extremely flexible
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of SAE 100R15 bend radii

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
6EFG6K	3/8	6	20.3	414	6,000	1655	24,000	64				
8EFG6K	1/2	8	24.1	414	6,000	1655	24,000	89				
10EFG6K	5/8	10	27.7	414	6,000	1655	24,000	102				
12EFG6K	3/4	19	31.5	414	6,000	1655	24,000	119				
16EFG6K	1	25	38.9	414	6,000	1655	24,000	152				
20EFG6K	1 1/4	31	50.0	414	6,000	1655	24,000	208				
20EFG6K	1 1/4	38	57.4	414	6,000	1655	24,000	254				
24EFG6K	1 1/2	51	71.1	414	6,000	1655	24,000	635				
32EFG6K	2	51	51	414	6,000	1655	24,000	635				

## EFG6K - MegaTuff®



### Applications

Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids.

### Features

- Isobaric hose, 6,000 psi working pressure
- Extra abrasion resistance

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
6EFG6K-MTF	3/8	6	20.3	414	6,000	1655	24,000	64				
8EFG6K-MTF	1/2	8	24.1	414	6,000	1655	24,000	89				
10EFG6K-MTF	5/8	10	27.7	414	6,000	1655	24,000	102				
12EFG6K-MTF	3/4	19	31.5	414	6,000	1655	24,000	119				
16EFG6K-MTF	1	25	38.9	414	6,000	1655	24,000	152				
20EFG6K-MTF	1 1/4	31	50.0	414	6,000	1655	24,000	208				
24EFG6K-MTF	1 1/2	36	57.4	414	6,000	1655	24,000	254				
32EFG6K-MTF	2	51	71.1	414	6,000	1655	24,000	635				

## EFG8K



### Applications

Ultra high-pressure, high-impulse applications such as hydrostatic transmissions, for use in the construction, agriculture, forestry, underground or open pit mining, or other industries on applications where extremely high pressure capability is required. G8K hose and couplings offer industry-leading bend radius capability, which leads to ease of routing and installation, longer hose life in flexing applications, and fewer bent tube fitting requirements.

### Features

- Ultra-High Pressure Hose

### Temperature Range

-40°C to +121°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
12G8K	3/4	19	34.5	552	8,000	2206	32,000	241				
16G8K	1	25	42.2	552	8,000	2206	32,000	305				



# FABRIC BRAID

## GTH - High Temp



### Applications

Hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R6.

### Features

- R6 Hose

### Temperature Range

-40°C to +135°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
3GTH	3/16	5	11.2	34	500	137	2,000	50.8				
4GTH	1/4	6	12.7	28	400	110	1,600	63.5				
5GTH	5/16	8	14.2	28	400	110	1,600	76.2				
8GTH	1/2	12	19.8	28	400	110	1,600	101.6				
10GTH	5/8	16	23.1	24	350	96	1,400	127.0				
12GTH	3/4	19	26.8	20	300	82	1,200	139.7				
16GTH	1	25	28.7	17	250	69	1,000	203.2				

## LOL Plus Lock-On Hose



### Applications

Petroleum-base hydraulic oils, water, glycol antifreeze solutions, engine lubricating oils, and air. Lock-On hose and couplings are NOT recommended for pressure surge applications or critical applications. Do not use for gasoline or diesel fuels, unless approved by Gates H/C Product Application.

### Features

- Lock-On Hose

### Temperature Range

-40°C to +100°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
3LOLA	3/16	5	10.4	21	300	83	1,200	76.2				
4LOLA	1/4	6	11.9	21	300	83	1,200	76.2				
5LOLA	5/16	8	14.0	21	300	83	1,200	76.2				
6LOLA	3/8	10	16.0	21	300	83	1,200	76.2				
8LOLA	1/2	12	19.6	21	300	83	1,200	127.0				
10LOLA	5/8	16	23.9	21	300	83	1,200	152.4				
12LOLA	3/4	19	26.9	21	300	83	1,200	177.8				

## C5C-XH Xtreme® Heat Hose



### Applications

Extremely high temperature petroleum based or phosphate ester fluids, turbo charger oil supply and hot lube oil lines. Meets the requirements of SAE J1405 performance specifications for high temperature transmission and lubrication oil systems.

### Temperature Range

-40°C to +150°C.

#	inch		DN		mm		bar		psi		mm	
	inch	DN	mm	bar	psi	bar	psi	bar	psi	mm		
5C5CXH	1/4	6	14.7	207	3,000	827	12,000	86				
6C5CXH	5/16	8	17.0	155	2,250	620	9,000	101				
8C5CXH	13/32	10	19.6	138	2,000	551	8,000	116				
10C5CXH	1/2	12	23.4	120	1,750	482	7,000	139				
12C5CXH	5/8	16	27.4	103	1,500	413	6,000	165				
16C5CXH	7/8	22	31.2	55	800	221	3,200	187				
20C5CXH	1 1/8	28	38.1	43	625	172	2,500	229				



## TH7 Hydraulic Hose



### Applications






Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines. TH7 hose meets or exceeds performance requirements of SAE 100R7.

### Features

- R7 Hose

### Temperature Range

-54°C to +93°C.

#							
	inch	mm	bar	psi	bar	psi	mm
2TH7	1/8	8.1	207	3,000	827	12,000	13
3TH7	3/16	10.4	207	3,000	827	12,000	20
4TH7	1/4	12.7	190	2,750	758	11,000	38
5TH7	5/16	14.2	172	2,500	689	10,000	57
6TH7	3/8	16.3	155	2,250	621	9,000	70
8TH7	1/2	20.3	137	2,000	552	8,000	95
12TH7	3/4	26.7	86	1,250	345	5,000	127
16TH7	1	33.6	69	1,000	276	4,000	254

## TH7DL Dual Line Hydraulic



### Applications






Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines. TH7DL hose meets or exceeds performance requirements of SAE 100R7.

### Features

- R7 Twin Hose

### Temperature Range

-54°C to +93°C.

#							
	inch	mm	bar	psi	bar	psi	mm
4TH7DL	1/4	12.7	190	2,750	758	11,000	38
5TH7DL	5/16	14.2	172	2,500	689	10,000	57
6TH7DL	3/8	16.2	155	2,250	621	9,000	70
8TH7DL	1/2	20.3	138	2,000	552	8,000	95

## TH7NC Non Conductive



### Applications






Petroleum and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blow out preventer control lines, hydraulic lifts and farm and construction machinery. Orange colour TH7NC meets SAE 100R7 non-conductivity requirements. Meets ANSI A92.2 for vehicle mounted aerial devices (-4 to -8).

### Features

- R7 Non-Conductive Hose

### Temperature Range

-54°C to +93°C.

#							
	inch	mm	bar	psi	bar	psi	mm
2TH7NC	1/8	8.1	207	3,000	827	12,000	13
3TH7NC	3/16	10.4	207	3,000	827	12,000	20
4TH7NC	1/4	12.7	190	2,750	758	11,000	38
5TH7NC	5/16	14.2	172	2,500	689	10,000	57
6TH7NC	3/8	16.3	155	2,250	620	9,000	70
8TH7NC	1/2	20.3	138	2,000	552	8,000	95
12TH7NC	3/4	26.7	86	1,250	345	5,000	127
16TH7NC	1	33.6	69	1,000	276	4,000	254

# FABRIC BRAID

## TH7NCDL Non Conductive Dual Line



### Applications






Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blow out preventer control lines, hydraulic lifts and farm and construction machinery. Orange colour TH7NCDL meets SAE100R7 non-conductivity requirements. Meets ANSI A92.2 for vehicle mounted aerial devices (-3 and -8).

### Features

- R7 Non-Conductive Twin Hose

### Temperature Range

-54°C to +93°C.

#							
	inch	mm	bar	psi	bar	psi	
4TH7NCDL	1/4	12.7	190	2,750	758	11,000	38
6TH7NCDL	3/8	16.3	155	2,250	621	9,000	70
8TH7NCDL	1/2	20.3	138	2,000	552	8,000	95

## TH8 Hydraulic Hose



### Applications






Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blow out preventer control lines, hydraulic lifts and farm and construction machinery.

### Features

- R8 Hose

### Temperature Range

-54°C to +93°C.

#							
	inch	mm	bar	psi	bar	psi	
3TH8	3/16	12.7	345	5,000	1379	20,000	38
4TH8	1/4	15.5	345	5,000	1379	20,000	51
6TH8	3/8	19.0	276	4,000	1103	16,000	64
8TH8	1/2	22.1	241	3,500	965	14,000	102
12TH8	3/4	28.7	172	2,250	620	9,000	165
16TH8	1	36.8	138	2,000	552	8,000	254

## TH8NC Non Conductive



### Applications






Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blow out preventer control lines, hydraulic lifts and farm and construction machinery. TH8NC hose (orange cover) meets SAE 100R8 non-conductivity requirements.

### Features

- R8 Non-Conductive Hose

### Temperature Range

-54°C to +93°C.

#							
	inch	mm	bar	psi	bar	psi	
4TH8NC	1/4	15.5	345	5,000	1379	20,000	51
6TH8NC	3/8	19.0	276	4,000	1103	16,000	64
8TH8NC	1/2	22.1	241	3,500	965	14,000	102





FLUID TRANSFER TECHNOLOGY

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