

# GH663 MATCHMATE Plus HI-IMPULSE Single wire braid



Meets or exceeds:  
SAE 100R1AT Type S, EN853 1SN, ISO 1436-1 Type 1SN

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH663-4	6,4	0.25	13,5	0.53	227,0 192,0	3250† 2750	897,0 770,0	13000† 11000	100,0	4.00	0,24	0.16
GH663-6	9,7	0.38	17,5	0.69	210,0 157,0	3000† 2250	840,0 630,0	12000† 9000	125,0	5.00	0,37	0.25
GH663-8	12,7	0.50	20,6	0.81	175,0 140,0	2500† 2000	700,0 560,0	10000† 8000	180,0	7.00	0,45	0.30
GH663-12	19,1	0.75	27,7	1.09	124,0 87,0	1800† 1250	497,0 350,0	7200† 5000	241,3	9.50	0,67	0.45
GH663-16	25,4	1.00	35,8	1.41	90,0 70,0	1300† 1000	359,0 280,0	5200† 4000	304,8	12.00	1,01	0.68
GH663-20	31,8	1.25	43,4	1.71	66,0	950	260,0	3770	419,1	16.50	1,31	0.88
GH663-24	38,1	1.50	50,6	1.99	50,0	725	200,0	2900	508,0	20.00	1,56	1.05
GH663-32	50,8	2.00	64,0	2.52	40,0	580	160,0	2320	635,0	25.00	1,95	1.31

### Construction

Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover.

### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

† Improved performance when used with Global Crimp fittings.

### Fitting Reference Page

<i>Crimp</i>	
TTC	66
Skive Nipple	66
Socket Data	64
<i>Reusable</i>	
Fitting	148
Socket Data	65

# GH194 AQP MATCHMATE BLUE HI-IMPULSE Single wire braid



Meets or exceeds:  
SAE 100R1AT Type S, EN853 1SN, ISO 1436-1 Type 1SN

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH194-4	6,4	0.25	13,5	0.53	227,0	3250	897,0	13000	100,0	4.00	0,25	0.17
GH194-6	9,7	0.38	17,5	0.69	210,0	3000	840,0	12000	125,0	5.00	0,37	0.25
GH194-8	12,7	0.50	20,6	0.81	175,0	2500	700,0	10000	180,0	7.00	0,45	0.30
GH194-10	16,0	0.63	23,9	0.94	140,0	2000	560,0	8000	205,0	8.00	0,54	0.36
GH194-12	19,1	0.75	27,7	1.09	124,0	1800	497,0	7200	240,0	9.50	0,68	0.46
GH194-16	25,4	1.00	35,8	1.41	90,0	1300	359,0	5200	300,0	12.00	0,98	0.66
GH194-20	31,8	1.25	43,9	1.73	62,0	900	248,0	3600	420,0	16.50	1,26	0.85

### Construction

AQP elastomer tube, single wire braid reinforcement and blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F].

### Application

Petroleum and fire-resistant hydraulic fluids, fuel and lubricating oils, gasoline, water and other industrial fluids. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

<i>Crimp</i>	
TTC	66
Skive Nipple	66
Socket Data	64

# FC194 AQP HI-IMPULSE Single wire braid



Meets or exceeds:  
SAE 100R1A, EN853 1ST, ISO 1436-1 Type 1ST

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC194-04	6,4	0.25	16,0	0.63	227,0	3250	897,0	13000	100,0	4.00	0,28	0.19
FC194-06	9,7	0.38	19,8	0.78	210,0	3000	840,0	12000	125,0	5.00	0,45	0.30
FC194-08	12,7	0.50	22,9	0.90	175,0	2500	700,0	10000	180,0	7.00	0,58	0.39
FC194-10	16,0	0.63	26,2	1.03	140,0	2000	560,0	8000	200,0	8.00	0,68	0.46
FC194-12	19,1	0.75	30,2	1.19	124,0	1800	497,0	7200	240,0	9.50	0,79	0.53
FC194-16	25,4	1.00	38,1	1.50	90,0	1300	359,0	5200	300,0	12.00	1,19	0.80
FC194-20	31,8	1.25	46,0	1.81	62,0	900	248,0	3600	420,0	16.50	1,46	0.98

### Construction

AQP elastomer tube, single wire braid reinforcement and blue AQP elastomer cover.

### Application

Petroleum and fire-resistant hydraulic fluids, fuel, lubricating oils, gasoline, water, and other industrial fluids. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Skive Nipple	66
Socket Data	64

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

# FC611 EPDM hose Single wire braid



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC611-04	6,4	0.25	13,5	0.53	210,0	3000	840,0	12000	101,6	4.00	0,24	0.16
FC611-06	9,7	0.38	17,3	0.68	157,0	2250	630,0	9000	127,0	5.00	0,33	0.22
FC611-08	12,7	0.50	20,3	0.80	140,0	2000	560,0	8000	177,8	7.00	0,42	0.28
FC611-12	19,1	0.75	27,9	1.10	87,0	1250	350,0	5000	241,3	9.50	0,64	0.43
FC611-16	25,4	1.00	35,8	1.41	70,0	1000	280,0	4000	304,8	12.00	0,89	0.60
FC611-20	31,8	1.25	43,4	1.71	43,0	625	175,0	2500	419,1	16.50	1,19	0.80
FC611-24	38,1	1.50	50,5	1.99	35,0	500	140,0	2000	508,0	20.00	1,52	1.02
FC611-32	50,8	2.00	64,0	2.52	26,0	375	105,0	1500	635,0	25.00	1,90	1.28

### Construction

Synthetic EPDM tube, single wire braid reinforcement and green EPDM synthetic cover.

### Application

Ground support equipment (GSE), industrial phosphate ester-based fluids, water glycol systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
TTC	66

### Operating Temperature Range

-40°C to +75°C [-40°F to +175°F]

# FC310 Hi-Pac wire braid

SAE 100R16 performance



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC310-04	6,4	0.25	14,0	0.55	350,0	5000.00	1400,0	20000	50,8 76,2	2.00† 3.00	0,31	0.21
FC310-06	9,7	0.38	17,3	0.68	280,0	4000.00	1120,0	16000	63,5 88,9	2.50† 3.50	0,40	0.27
FC310-08	12,7	0.50	20,1	0.79	245,0	3500.00	980,0	14000	88,9 127,0	3.50† 5.00	0,51	0.34
FC310-10	16,0	0.63	23,6	0.93	192,0	2750.00	770,0	11000	101,6 152,4	4.00† 6.00	0,65	0.44
FC310-12	19,1	0.75	27,4	1.08	157,0	2250.00	630,0	9000	120,7 177,8	4.75† 7.00	0,74	0.50
FC310-16	25,4	1.00	34,6	1.36	140,0	2000.00	560,0	8000	152,4 228,6	6.00† 9.00	1,06	0.71
FC310-20	31,8	1.25	42,9	1.69	113,0	1625.00	455,0	6500	209,6 279,4	8.25† 11.00	1,58	1.06

### Construction

Synthetic rubber tube, HI-PAC braided wire reinforcement, synthetic rubber cover.

### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more specific information on fluid applications, see pages 349-355.

### For Complete Agency Listings

See pages 397-398.

† Improved minimum bend radius when used with global fittings.

### Fitting Reference Page

<i>Crimp</i>	
TTC	66
Skive Nipple	66
Socket Data	64
<i>Reusable</i>	
Fitting	151
Socket Data	65

# FC510 AQP Hi-Pac wire braid



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC510-04	6,4	0.25	14,5	0.57	350,0	5000	1400,0	20000	76,2	3.00	0,34	0.23
FC510-06	9,7	0.38	17,5	0.69	280,0	4000	1120,0	16000	88,9	3.50	0,43	0.29
FC510-08	12,7	0.50	20,3	0.80	245,0	3500	980,0	14000	127,0	5.00	0,51	0.34
FC510-10	16,0	0.63	23,6	0.93	192,0	2750	770,0	11000	152,4	6.00	0,65	0.44
FC510-12	19,1	0.75	27,7	1.09	157,0	2250	630,0	9000	177,8	7.00	0,77	0.52
FC510-16	25,4	1.00	34,8	1.37	140,0	2000	560,0	8000	228,6	9.00	1,06	0.71
FC510-20	31,8	1.25	43,2	1.70	113,0	1625	455,0	6500	279,4	11.00	1,61	1.08

### Construction

AQP elastomer tube, HI-PAC braided wire reinforcement and blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

### Application

Petroleum and fire-resistant hydraulic fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 397-398.

### Fitting Reference Page

<i>Crimp</i>	
TTC	66
Skive Nipple	66
Socket Data	64
<i>Reusable</i>	
Fitting	151
Socket Data	65

# FC639

## Flexible cover

### 3000 PSI Constant pressure

SAE 100R17



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC639-04	6,4	0.25	13,2	0.52	210,0	3000	840,0	12000	50,8	2.00	0,22	0.15
FC639-06	9,7	0.38	17,0	0.67	210,0	3000	840,0	12000	63,5	2.50	0,34	0.23
FC639-08	12,7	0.50	20,6	0.81	210,0	3000	840,0	12000	88,9	3.50	0,48	0.32
FC639-10**	16,0	0.63	25,4	1.00	210,0	3000	840,0	12000	101,6	4.00	0,76	0.51
FC639-12**	19,1	0.75	29,0	1.14	210,0	3000	840,0	12000	120,7	4.75	0,94	0.63
FC639-16**	25,4	1.00	36,3	1.43	210,0	3000	840,0	12000	152,4	6.00	1,24	0.83

#### Construction

Synthetic rubber tube with one or two wire braid reinforcements, ozone flexible neoprene rubber cover.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

General industrial and hydraulic system service with petroleum and water-base fluids. Recommended for high-pressure oil lines used on construction equipment and other off-highway applications. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

\*\*Two braids of high tensile wire.

#### Fitting Reference Page

Crimp	Page
TTC	66
Skive Nipple	66
Socket Data	64

# GH681

## 3000 PSI Constant pressure

### Single wire braid

Exceeds EN 853 Type 1



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH681-4	6,4	0.25	11,9	0.47	210,0	3000	840,0	12000	50,8	2.00	0,16	0.11
GH681-6	9,7	0.38	16,0	0.63	210,0	3000	840,0	12000	63,5	2.50	0,28	0.18
GH681-8	12,7	0.50	19,8	0.78	210,0	3000	840,0	12000	88,9	3.50	0,39	0.26

#### Construction

Synthetic rubber tube, single wire braid reinforcement and synthetic rubber cover. Meets or exceeds EN requirements at 1/2 SAE Bend Radius.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	Page
TTC (-6 only)	66
Skive Nipple	66
Socket Data	64

SPECIALTY & TRUCK HOSE  
 LOW & MEDIUM PRESSURE HOSE  
 HIGH PRESSURE HOSE  
 HOSE FITTINGS  
 ADAPTERS & TUBE FITTINGS  
 ACCESSORIES & ASSEMBLY INSTRUCTIONS  
 HOSE ASSEMBLY EQUIPMENT  
 APPENDICES

# FC839B BRUISER

## Ultra-abrasion resistant cover

### 3000 PSI Constant pressure

SAE 100R17



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC839B-04	6,4	0.25	13,2	0.52	210,0	3000	840,0	12000	50,8	2.00	0,22	0.15
FC839B-06	9,7	0.38	17,0	0.67	210,0	3000	840,0	12000	63,5	2.50	0,34	0.23
FC839B-08	12,7	0.50	20,6	0.81	210,0	3000	840,0	12000	88,9	3.50	0,48	0.32
FC839B-10**	16,0	0.63	25,4	1.00	210,0	3000	840,0	12000	101,6	4.00	0,76	0.51
FC839B-12**	19,1	0.75	29,0	1.14	210,0	3000	840,0	12000	120,7	4.75	0,94	0.63
FC839B-16**	25,4	1.00	36,3	1.43	210,0	3000	840,0	12000	152,4	6.00	1,24	0.83

#### Construction

Synthetic rubber tube with one or two layers of braided wire reinforcement, synthetic rubber intermediate cover and BRUISER outer cover.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids. Recommended for use on critical applications in construction, forestry, and other off-highway vehicles. BRUISER outer cover offers unmatched abrasion, chemical, and environmental protection. For more information on specific fluid applications and temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

\*\*Two braids of high tensile wire.

#### Fitting Reference Page

Crimp	Page
TTC	66
Skive Nipple	66
Socket Data	64

# FC849

## 4000 PSI Constant pressure



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC849-04	6,4	0.25	15,2	0.60	280,0	4000	1120,0	16000	50,8	2.00	0,36	0.24
FC849-06	9,7	0.38	19,3	0.76	280,0	4000	1120,0	16000	63,5	2.50	0,54	0.36
FC849-08	12,7	0.50	22,6	0.89	280,0	4000	1120,0	16000	88,9	3.50	0,64	0.43
FC849-10	16,0	0.63	25,7	1.01	280,0	4000	1120,0	16000	101,6	4.00	0,90	0.60
FC849-12	19,1	0.75	30,0	1.18	280,0	4000	1120,0	16000	120,7	4.75	1,07	0.72

#### Construction

Synthetic rubber tube with two layers of wire braid reinforcement and abrasion resistance synthetic rubber cover.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

Industrial and hydraulic system applications with petroleum and water-based fluids. Recommended for use on construction, forestry, and other off-highway vehicles. For more information on specific fluid applications and temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	Page
TTC	66
Skive Nipple *	66
Socket Data	64

\*-06 thru -12 only

# FC849B BRUISER

## Ultra-abrasion resistant cover

### 4000 PSI Constant Pressure



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC849B-04	6,4	0.25	15,2	0.60	280,0	4000	1120,0	16000	50,8	2.00	0,36	0.24
FC849B-06	9,7	0.38	19,3	0.76	280,0	4000	1120,0	16000	63,5	2.50	0,54	0.36
FC849B-08	12,7	0.50	22,6	0.89	280,0	4000	1120,0	16000	88,9	3.50	0,64	0.43
FC849B-10	16,0	0.63	25,7	1.01	280,0	4000	1120,0	16000	101,6	4.00	0,90	0.60
FC849B-12	19,1	0.75	30,0	1.18	280,0	4000	1120,0	16000	120,7	4.75	1,07	0.72

#### Construction

Synthetic rubber tube with two layers of wire braid reinforcement, synthetic rubber intermediate cover and BRUISER outer cover.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids. Recommended for use on critical applications in construction, forestry, and other off-highway vehicles. BRUISER outer cover offers unmatched abrasion, chemical, and environmental protection. For more information on specific fluid applications and temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	
TTC	66
Skive Nipple*	66
Socket Data	64

\*-06 thru -12 only

# FC212

## Double wire braid

SAE 100R2AT



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC212-04	6,4	0.25	15,2	0.60	350,0	5000	1400,0	20000	101,6	4.00	0,40	0.27
FC212-06	9,7	0.38	19,1	0.75	280,0	4000	1120,0	16000	127,0	5.00	0,57	0.38
FC212-08	12,7	0.50	22,4	0.88	245,0	3500	980,0	14000	177,8	7.00	0,68	0.46
FC212-12	19,1	0.75	29,5	1.16	157,0	2250	630,0	9000	241,3	9.50	0,98	0.66
FC212-16	25,4	1.00	38,1	1.50	140,0	2000	560,0	8000	304,8	12.00	1,49	1.00
FC212-20	31,8	1.25	48,0	1.89	113,0	1625	455,0	6500	419,1	16.50	2,25	1.51
FC212-24	38,1	1.50	54,6	2.15	87,0	1250	350,0	5000	508,0	20.00	2,60	1.75
FC212-32	50,8	2.00	63,8	2.51	78,0	1125	315,0	4500	635,0	25.00	3,35	2.25

#### Construction

Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	
TTC	66
Skive Nipple	66
Socket Data	64
Reusable	
Fitting	165
Socket Data	65

# GH120 MATCHMATE ICE Cold temperature applications

SAE 100R16 performance



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH120-4	6,4	0.25	14,2	0.56	350,0	5000	1400,0	20000	50,8	2.00	0,30	0.20
GH120-6	9,7	0.38	17,3	0.68	280,0	4000	1120,0	16000	63,5	2.50	0,40	0.27
GH120-8	12,7	0.50	20,8	0.82	245,0	3500	980,0	14000	88,9	3.50	0,58	0.39
GH120-10	16,0	0.63	24,9	0.98	192,0	2750	770,0	11000	101,6	4.00	0,74	0.50
GH120-12	19,1	0.75	28,4	1.12	157,0	2250	630,0	9000	120,7	4.75	0,92	0.62
GH120-16	25,4	1.00	35,8	1.41	140,0	2000	560,0	8000	152,4	6.00	1,22	0.82
GH120-20	31,8	1.25	43,4	1.71	113,0	1625	455,0	6500	209,6	8.25	1,60	1.07
GH120-24	38,1	1.50	51,6	2.03	87,0	1250	350,0	5000	254,0	10.00	2,11	1.42
GH120-32	50,8	2.00	63,8	2.51	78,0	1125	315,0	4500	317,5	12.50	2,80	1.88

### Construction

Aeroquip brand exclusive low temperature compound tube and cover, double wire braid reinforcement.

### Operating Temperature Range

-57°C to +100°C [-70°F to +212°F]

### Application

Low temperature flexing and hydraulic system service with petroleum and water-base fluids. For use in frigid environments on construction equipment and other mobile applications. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference

Fitting Reference	Page
<i>Crimp</i>	
TTC	66
Skive Nipple *	66
Socket Data	64

\*-04 thru -20 only

# 2766 Double wire braid

MIL-DTL-13531, Type II, Class A



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in.	mm	in.	bar	psi	bar	psi	mm	in.	Kg/m	lbs/ft
2766-4	6,4	0.25	17,5	0.69	350,0	5000	1400,0	20000	101,6	4.00	0,47	0.32
2766-6	9,7	0.38	21,3	0.84	280,0	4000	1120,0	16000	127,0	5.00	0,68	0.46
2766-8	12,7	0.50	24,6	0.97	245,0	3500	980,0	14000	177,8	7.00	0,80	0.54
2766-12	19,1	0.75	31,8	1.25	157,0	2250	630,0	9000	241,3	9.50	1,11	0.75
2766-16	25,4	1.00	39,6	1.56	140,0	2000	560,0	8000	279,4	11.00	1,51	1.02
2766-20	31,8	1.25	50,8	2.00	113,0	1625	455,0	6500	406,4	16.00	2,41	1.63
2766-24	38,1	1.50	57,2	2.25	87,0	1250	350,0	5000	508,0	20.00	2,42	1.64
2766-32	50,8	2.00	69,9	2.75	78,0	1000	315,0	4500	558,8	22.00	3,97	2.69

### Construction

Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

### Operating Temperature Range

-54°C to +93°C [-65°F to +200°F]

### Application

High pressure hydraulics, fuel and lubricating oil and gasoline. For more information specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference

Fitting Reference	Page
<i>Crimp</i>	
Skive Nipple	66
Socket Data	64
<i>Reusable</i>	
Fitting	156
Socket Data	65

# FC693

## EPDM hose

### Double wire braided high pressure



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC693-04	6,4	0.25	15,2	0.60	350,0	5000	1400,0	20000	101,6	4.00	0,37	0.25
FC693-06	9,7	0.38	19,1	0.75	280,0	4000	1120,0	16000	127,0	5.00	0,54	0.36
FC693-08	12,7	0.50	22,1	0.87	245,0	3500	980,0	14000	177,8	7.00	0,60	0.40

#### Construction

Synthetic EPDM tube, double wire braid reinforcement and green EPDM synthetic cover.

#### Operating Temperature Range

-40°C to +75°C [-40°F to +175°F]

#### Application

Ground support equipment (GSE), industrial phosphate ester-based fluids, water glycol systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	
TTC	66

# FC735 BRUISER

## Ultra-abrasion resistant cover

### Double wire braid



Meets or exceeds:

SAE 100R16 Type S, EN 857 2SC, ISO 11237-1 Type 2SC

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC735-04*	6,4	0.25	13,5	0.53	350,0	5000*	1400,0	20000*	50,8	2.00	0,33	0.22
FC735-06	9,7	0.38	17,5	0.69	350,0	5000	1400,0	20000	63,5	2.50	0,43	0.29
FC735-08	12,7	0.50	20,6	0.81	297,0	4250	1190,0	17000	88,9	3.50	0,58	0.39
FC735-10	16,0	0.63	23,6	0.93	250,0	3625	1000,0	14500	101,6	4.00	0,65	0.44
FC735-12	19,1	0.75	27,9	1.10	216,0	3125	870,0	12500	120,7	4.75	0,79	0.53
FC735-16	25,4	1.00	36,1	1.42	175,0	2500	700,0	10000	152,4	6.00	1,07	0.72
FC735-20	31,8	1.25	43,2	1.70	157,0	2250	630,0	9000	209,6	8.25	1,62	1.09

#### Construction

Synthetic rubber tube, double wire braid reinforcement, synthetic rubber intermediate cover, and BRUISER outer cover. Meets or exceeds EN requirements at 1/2 SAE bend radius.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

High abrasion applications. Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

\*Meets SAE100R2 pressures.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	
TTC	66
Skive Nipple	66
Socket Data	64



# 2781 HI-IMPULSE Double wire braid



Meets or exceeds:  
SAE 100R2A, EN853 2ST, ISO 1436-1 Type 2ST

#	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
2781-4	6,4	0.25	17,5	0.69	400,0 350,0	5800† 5000	1600,0 1400	23200† 20000	101,6	4.00	0,50	0.33
2781-6	9,7	0.38	21,3	0.84	350,0 280,0	5000† 4000	1400,0 1120,0	20000† 16000	127,0	5.00	0,67	0.45
2781-8	12,7	0.50	24,6	0.97	297,0 245,0	4250† 3500	1190,0 980,0	17000† 14000	177,8	7.00	0,83	0.56
2781-10	16,0	0.63	27,7	1.09	250,0 227,0	3625† 3250	1000,0 770,0	14500† 11000	203,2	8.00	0,97	0.62
2781-12	19,1	0.75	31,8	1.25	216,0 210,0	3125† 3000	870,0 630,0	12500† 9000	241,3	9.50	1,19	0.80
2781-16	25,4	1.00	39,6	1.56	175,0 140,0	2500† 2000	700,0 560,0	10000† 8000	304,8	12.00	1,58	1.06
2781-20	31,8	1.25	50,8	2.00	157,0 113,0	2250† 1625	630,0 455,0	9000† 6500	419,1	16.50	2,57	1.73
2781-24	38,1	1.50	57,2	2.25	124,0 122,0	1800† 1750	497,0 350,0	7200† 5000	508,0	20.00	3,05	2.05
2781-32	50,8	2.00	69,9	2.75	105,0 87,0	1500† 1250	420,0 315,0	6000† 4500	635,0	25.00	4,02	2.70

**Construction**  
Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

**Operating Temperature Range**  
-40°C to +100°C [-40°F to +212°F]

**Application**  
Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

**For Complete Agency Listings**  
See pages 346-348.

*Improved pressure performance when used with global fittings.*

Fitting Reference	Page
<i>Crimp</i>	
Skive Nipple	66
Socket Data	64
<i>Reusable</i>	
Fitting	156
Socket Data	65

# GH781 MATCHMATE Plus HI-IMPULSE Double wire braid



Meets or exceeds:  
SAE 100R16 Type S, EN857 2SC, ISO 11237-1 Type 2SC

#	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH781-4	6,4	0.25	13,5	0.53	400,0	5800	1600,0	23200	50,8	2.00	0,33	0.22
GH781-6	9,7	0.38	17,5	0.69	350,0	5000	1400,0	20000	63,5	2.50	0,43	0.29
GH781-8	12,7	0.50	20,6	0.81	297,0	4250	1190,0	17000	88,9	3.50	0,58	0.39
GH781-10	16,0	0.63	23,6	0.93	250,0	3625	1000,0	14500	101,6	4.00	0,65	0.44
GH781-12	19,1	0.75	27,9	1.10	216,0	3125	870,0	12500	120,7	4.75	0,79	0.53
GH781-16	25,4	1.00	36,1	1.42	175,0	2500	700,0	10000	152,4	6.00	1,07	0.72
GH781-20	31,8	1.25	41,9	1.65	157,0	2250	630,0	9000	209,6	8.25	1,62	1.09
GH781-24	38,1	1.50	51,6	2.03	124,0	1800	497,0	7200	254,0	10.00	2,08	1.40
GH781-32	50,8	2.00	64,3	2.53	90,0	1300	359,0	5200	317,5	12.50	2,83	1.90

**Construction**  
Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover. Meets or exceeds EN requirements at 1/2 SAE Bend Radius.

**Operating Temperature Range**  
-40°C to +100°C [-40°F to +212°F]

**Application**  
Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

**For Complete Agency Listings**  
See pages 346-348.

Fitting Reference	Page
<i>Crimp</i>	
TTC	66
Skive Nipple *	66
Socket Data	64

\*-04 thru -20 only

# GH793 MATCHMATE Plus HI-IMPULSE Double wire braid



Meets or exceeds:

SAE 100R2AT Type S, EN853 2SN, ISO 1436-1 Type 2SN

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH793-4	6,4	0.25	15,2	0.60	400,0 350,0	5800† 5000	1600,0 1400,0	23200† 20000	101,6	4.00	0,39	0.26
GH793-6	9,7	0.38	19,1	0.75	350,0 280,0	5000† 4000	1400,0 1120,0	20000† 16000	127,0	5.00	0,57	0.38
GH793-8	12,7	0.50	22,1	0.87	297,0 245,0	4250† 3500	1190,0 980,0	17000† 14000	177,8	7.00	0,68	0.46
GH793-10	16,0	0.63	24,9	0.98	250,0 192,0	3625† 2750	1000,0 770,0	14500† 11000	203,2	8.00	0,80	0.54
GH793-12	19,1	0.75	29,5	1.16	216,0 157,0	3125† 2250	870,0 630,0	12500† 9000	241,3	9.50	0,98	0.66
GH793-16	25,4	1.00	38,1	1.50	175,0 140,0	2500† 2000	700,0 560,0	10000† 8000	304,8	12.00	1,50	1.01
GH793-20	31,8	1.25	48,8	1.92	157,0	2250	630,0	9000	419,1	16.50	2,29	1.54
GH793-24	38,1	1.50	54,6	2.15	124,0	1800	497,0	7200	508,0	20.00	2,50	1.68
GH793-32	50,8	2.00	63,8	2.51	90,0	1300	359,0	5200	635,0	25.00	3,30	2.22

### Construction

Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

*Improved pressure performance when used with global fittings.*

### Fitting Reference Page

<i>Crimp</i>	
TTC	66
Skive Nipple	66
Socket Data	64
<i>Reusable</i>	
Fitting	165
Socket Data	65

# GH195 AQP MATCHMATE BLUE HI-IMPULSE Double wire braid



Meets or exceeds:

SAE 100R2AT Type S, EN853 2SN ISO 1436-1 Type 2SN

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH195-4	6,4	0.25	15,2	0.60	400,0	5800	1600,0	23200	101,6	4.00	0,40	0.27
GH195-6	9,7	0.38	19,1	0.75	350,0	5000	1400,0	20000	127,0	5.00	0,60	0.39
GH195-8	12,7	0.50	22,1	0.87	297,0	4250	1190,0	17000	177,8	7.00	0,68	0.46
GH195-10	16,0	0.63	25,2	0.99	227,0	3250	897,0	13000	203,2	8.00	0,80	0.54
GH195-12	19,1	0.75	29,5	1.16	210,0	3000	840,0	12000	241,3	9.50	1,00	0.67
GH195-16	25,4	1.00	37,9	1.49	175,0	2500	700,0	10000	304,8	12.00	1,44	0.97
GH195-20	31,8	1.25	48,8	1.92	157,0	2250	630,0	9000	419,1	16.50	2,39	1.60
GH195-24	38,1	1.50	54,6	2.15	122,0	1750	490,0	7000	508,0	20.00	2,60	1.74
GH195-32	50,8	2.00	67,8	2.67	105,0	1500	420,0	6000	635,0	25.00	3,38	2.27

### Construction

AQP elastomer tube, double wire braid reinforcement and blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

### Application

Petroleum and fire resistant hydraulic fluids, fuel and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

<i>Crimp</i>	
TTC	66
Skive Nipple	66
Socket Data	64

# FC195 AQP HI-IMPULSE Double wire braid



Meets or exceeds:  
SAE 100R2A, EN853 2ST, ISO 1436-1 Type 2ST

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC195-04	6,4	0.25	17,5	0.69	400,0	5800†	1600,0	23200†	101,6	4.00	0,46	0.31
FC195-06	9,7	0.38	21,3	0.84	350,0	5000†	1400,0	20000†	127,0	5.00	0,62	0.42
FC195-08	12,7	0.50	24,6	0.97	280,0	4000	1120,0	16000	177,8	7.00	0,76	0.51
FC195-10	16,0	0.63	27,7	1.09	297,0	4250†	1190,0	17000†	203,2	8.00	0,88	0.59
FC195-12	19,1	0.75	31,8	1.25	245,0	3500	980,0	14000	241,3	9.50	1,12	0.75
FC195-16	25,4	1.00	39,6	1.56	227,0	3250†	1000,0	14500†	304,8	12.00	1,55	1.04
FC195-20	31,8	1.25	50,8	2.00	192,0	2750	770,0	11000	419,1	16.50	2,50	1.68
FC195-24	38,1	1.50	57,2	2.25	216,0	3125†	870,0	12500†	508,0	20.00	2,84	1.91
FC195-32	50,8	2.00	69,9	2.75	210,0	3000	630,0	9000	635,0	25.00	3,56	2.39
FC195-16	25,4	1.00	39,6	1.56	175,0	2500†	700,0	10000†				
FC195-20	31,8	1.25	50,8	2.00	140,0	2000	560,0	8000				
FC195-24	38,1	1.50	57,2	2.25	157,0	2250†	630,0	9000†				
FC195-32	50,8	2.00	69,9	2.75	113,0	1625	455,0	6500				
					124,0	1800†	497,0	7200†				
					122,0	1750	350,0	5000				
					105,0	1500†	420,0	6000†				
					87,0	1250	315,0	4500				

### Construction

AQP elastomer tube, double wire braid reinforcement and blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

### Application

Petroleum and fire resistant hydraulic fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

† Improved pressure performance when used with global crimp fittings.

### Fitting Reference Page

Crimp	Page
Skive Nipple	66
Socket Data	64
Reusable	Page
Fitting	156
Socket Data	65

# FC636 EPDM hose Four spiral wire



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC636-12	19,1	0.75	30,5	1.20	280,0	4000	1120,0	16000	241,3	9.50	1,31	0.88
FC636-16	25,4	1.00	37,6	1.48	280,0	4000	1120,0	16000	304,8	12.00	1,74	1.17
FC636-20	31,8	1.25	46,5	1.83	210,0	3000	840,0	12000	419,1	16.50	2,31	1.55
FC636-24	38,1	1.50	53,6	2.12	175,0	2500	700,0	10000	508,0	20.00	2,90	1.96

### Construction

Synthetic EPDM tube, 4-spiral wire reinforcement, and green EPDM synthetic cover.

### Operating Temperature Range

-40°C to +75°C (-40°F to +175°F).

### Application

Ground support equipment (GSE), industrial phosphate ester based fluids, water glycol systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
TTC12	66

# FC323 AQP

## High temperature Four spiral wire



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC323-12	19,1	0.75	30,5	1.20	210,0	3000	840,0	12000	241,3	9.50	1,40	0.94
FC323-16	25,4	1.00	37,6	1.48	210,0	3000	840,0	12000	304,8	12.00	1,82	1.22
FC323-20	31,8	1.25	47,2	1.86	210,0	3000	840,0	12000	419,1	16.50	2,53	1.70
FC323-24	38,1	1.50	53,6	2.11	210,0	3000	840,0	12000	508,0	20.00	3,27	2.20
FC323-32	50,8	2.00	66,8	2.63	210,0	3000	840,0	12000	635,0	25.00	4,78	3.21

### Construction

AQP elastomer tube, 4-spiral wire reinforcement and a blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

### Application

Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Single Skive*	106
Internal Skive	118
Socket Data	64

\* -12 thru -24 only

# FC324 AQP

## High temperature Four spiral wire



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC324-08	12,7	0.50	23,1	0.91	280,0	4000	1120,0	16000	177,8	7.00	0,91	0.61
FC324-12	19,1	0.75	30,5	1.20	280,0	4000	1120,0	16000	241,3	9.50	1,47	0.99
FC324-16	25,4	1.00	37,6	1.48	280,0	4000	1120,0	16000	304,8	12.00	1,92	1.29

### Construction

AQP elastomer tube, 4-spiral wire reinforcement and a blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

### Application

Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Single Skive (-12, -16)	106
Internal Skive (-12, -16)	118
Socket Data	64

### Reusable

Fitting (-8 only)	169
Socket Data	65

# FC325 AQP

## Four spiral wire



#	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC325-12	19,1	0.75	32,0	1.26	350,0	5000	1400,0	20000	241,3	9.50	1,62	1.09
FC325-16	25,4	1.00	38,6	1.52	350,0	5000	1400,0	20000	304,8	12.00	2,11	1.42

### Construction

AQP elastomer tube, 4-spiral wire reinforcement and a blue AQP elastomer cover.

### Operating Temperature Range

-40°C to +150°C [-40°F to +300°F]

### Application

Hydraulic system service with petroleum, fire-resistant, and water-base fluids, fuel, and lubricating systems. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	
Internal Skive	123
Socket Data	64

# GH493

## MATCHMATE Plus

### Four spiral wire



SAE 100R12, EN 856 Type R12

#	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH493-6	9,7	0.38	20,1	0.79	280,0	4000	1120,0	16000	125,0	5.00	0,70	0.47
GH493-8	12,7	0.50	23,4	0.92	280,0	4000	1120,0	16000	180,0	7.00	0,88	0.59
GH493-10	16,0	0.63	28,2	1.11	280,0	4000	1120,0	16000	200,0	8.00	1,03	0.69
GH493-12	19,1	0.75	30,5	1.20	280,0	4000	1120,0	16000	240,0	9.50	1,37	0.92
GH493-16	25,4	1.00	37,6	1.48	280,0	4000	1120,0	16000	300,0	12.00	1,82	1.22
GH493-20	31,8	1.25	46,5	1.83	210,0	3000	840,0	12000	420,0	16.50	2,44	1.64
GH493-24	38,1	1.50	53,8	2.12	175,0	2500	700,0	10000	500,0	20.00	3,12	2.10
GH493-32	50,8	2.00	67,1	2.64	175,0	2500	700,0	10000	640,0	25.00	4,18	2.81

### Construction

Synthetic rubber tube, 4-spiral wire reinforcement, black synthetic rubber cover.

### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial use. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	
TTC12	66
Single Skive	106
Socket Data	64
Reusable	
Fitting	169
Socket Data	65

# FC659

## Flexible, 1/2 SAE bend radius

### Four spiral wire

Exceeds SAE 100R12, EN856 Type R12



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC659-06	9,7	0.38	20,1	0.79	280,0	4000	1120,0	16000	62,5*	2.50*	0,70	0.47
FC659-08	12,7	0.50	23,4	0.92	280,0	4000	1120,0	16000	90,0*	3.50*	0,85	0.57
FC659-10	16,0	0.63	28,2	1.11	280,0	4000	1120,0	16000	100,0*	4.00*	1,04	0.70
FC659-12	19,1	0.75	30,5	1.20	280,0	4000	1120,0	16000	120,0*	4.75*	1,34	0.90
FC659-16	25,4	1.00	37,6	1.48	280,0	4000	1120,0	16000	150,0*	6.00*	1,80	1.21
FC659-20	31,8	1.25	46,5	1.83	210,0	3000	840,0	12000	210,0*	8.25*	2,43	2.40
FC659-24	38,1	1.50	55,0	2.17	175,0	2500	700,0	10000	250,0*	10.00*	3,06	2.06
FC659-32	50,8	2.00	68,3	2.69	175,0	2500	700,0	10000	320,0*	12.50*	4,44	2.99

#### Construction

Synthetic rubber tube, 4-spiral wire reinforcement and synthetic rubber cover.

#### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

#### Application

Hydraulic system service with petroleum and water-base fluids requiring premium performance and flexibility. For more specific information on fluid applications, see pages 349-355.

#### For Complete Agency Listing

See pages 346-348.

\* 1/2 SAE Bend Radius

#### Fitting Reference Page

Crimp	Page
TTC12	66

# FC136

## Four spiral wire

Exceeds SAE 100R12, EN 856 Type R12



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC136-06	9,7	.38	20,1	.79	385,0 280,0	5500 4000*	1517,0 1120,0	22000 16000*	125,0	5.00	0,70	0.45
FC136-08	12,7	.50	23,4	.92	350,0 280,0	5000 4000*	1400,0 1120,0	20000 16000*	180,0	7.00	0,88	0.60
FC136-10	16,0	.63	28,2	1.11	350,0 280,0	5000 4000*	1400,0 1120,0	20000 16000*	200,0	8.00	1,00	0.67
FC136-12	19,1	.75	30,5	1.20	280,0	4000	1120,0	16000	240,0	9.50	1,34	0.90
FC136-16	25,4	1.00	37,6	1.48	280,0	4000	1120,0	16000	300,0	12.00	1,77	1.19
FC136-20	31,8	1.25	46,5	1.83	210,0	3000	840,0	12000	420,0	16.50	2,38	1.60
FC136-24	38,1	1.50	53,8	2.12	175,0	2500	700,0	10000	500,0	20.00	2,99	2.01
FC136-32	50,8	2.00	67,1	2.64	175,0	2500	700,0	10000	640,0	25.00	4,36	2.93

#### Construction

Synthetic rubber tube, 4-heavy spiral wire reinforcement, synthetic rubber cover.

#### Operating Temperature Range

-40°C to +121°C (-40°F to +250°F)

#### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial use. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

\*Pressure rating with TTC12 fittings and reusables

#### For Complete Agency Listings

See pages 346-348.

Accessories and Assembly Instructions see pages 294-326.

#### Fitting Reference Page

Crimp	Page
TTC12	66
Single Skive	106
Internal Skive**	118
Socket Data	64
Reusable	
Fitting	169
Socket Data	65

\* -16 thru -32 only

# FC736 BRUISER

## Ultra-abrasion resistant cover

### Four spiral wire

Exceeds SAE 100R12, EN 856 Type R12



#																
	Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose				
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft				
FC736-06	9,7	.38	20,1	.79	385,0	5500	280,0	4000*	1517,0	22000	1120,0	16000*	127,0	5.00	0,70	0.47
FC736-08	12,7	.50	23,4	.92	350,0	5000	280,0	4000*	1400,0	20000	1120,0	16000*	177,8	7.00	0,88	0.59
FC736-10	16,0	.63	28,2	1.11	350,0	5000	280,0	4000*	1400,0	20000	1120,0	16000*	241,3	9.50	1,19	0.80
FC736-12	19,1	.75	30,5	1.20	280,0	4000	280,0	4000	1120,0	16000	1120,0	16000	241,3	9.50	1,37	0.92
FC736-16	25,4	1.00	37,6	1.48	280,0	4000	280,0	4000	1120,0	16000	304,8	16000	304,8	12.00	1,82	1.22
FC736-20	31,8	1.25	46,5	1.83	210,0	3000	210,0	3000	840,0	12000	419,1	16.50	419,1	16.50	2,44	1.64
FC736-24	38,1	1.50	55,1	2.17	175,0	2500	175,0	2500	700,0	10000	508,0	20.00	508,0	20.00	2,99	2.01
FC736-32	50,8	2.00	68,3	2.69	175,0	2500	175,0	2500	700,0	10000	635,0	25.00	635,0	25.00	4,37	2.94

#### Construction

Synthetic rubber tube, 4-heavy spiral wire reinforcement, synthetic rubber intermediate cover, and BRUISER outer cover.

#### Operating Temperature Range

-40°C to +121°C (-40°F to +250°F)

#### Application

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids. Recommended for use on critical applications in construction, forestry, and other off-highway vehicles. BRUISER outer cover offers unmatched abrasion, chemical and environmental protection. For more information on

specific fluid applications and temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

\*Pressure rating with TTC12 fittings and reusables.

#### Fitting Reference Page

<i>Crimp</i>	
TTC12	66
Single Skive	106
Internal Skive (-16, -20)	118
Socket Data	64
<i>Reusable</i>	
Fitting	169
Socket Data	65

# FC254

## Four heavy spiral wire

Exceeds SAE 100R11, EN 856 4SP



#												
	Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC254-08*	12,7	0.50	24,9	0.98	525,0	7500†	2100,0	30000	203,2	8.00	0,70	0.47
FC254-12	19,1	0.75	32,0	1.26	435,0	6250	1750,0	25000	279,4	11.00	0,88	0.59
FC254-16	25,4	1.00	38,6	1.52	350,0	5000	1400,0	20000	304,8	12.00	1,03	0.69
FC254-20	31,8	1.25	45,7	1.80	280,0	4000	1120,0	16000	419,1	16.50	1,37	0.92
FC254-24	38,1	1.50	54,1	2.13	210,0	3000	840,0	12000	508,0	20.00	1,82	1.22
FC254-32	50,8	2.00	68,1	2.68	210,0	3000	840,0	12000	635,0	25.00	2,44	1.64

#### Construction

Synthetic rubber tube, 4-heavy spiral wire reinforcement and synthetic rubber cover.

#### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

#### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial use. For more specific information on fluid applications, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

† Rated at 10,000 psi for water blast applications using internal skive fittings.

\* Available with BRUISER cover as FC854-08.

#### Fitting Reference Page

<i>Crimp</i>	
Spiral TTC	97
Single Skive (-20, -24)	106
Internal Skive	118
Socket Data	64

# FC273

## Four or six spiral wire

SAE 100R13, EN 856 Type R13, ISO 3862 Type R13



#	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC273-12	19,1	0.75	32,0	1.26	350,0	5000	1400,0	20000	240,0	9.50	1,56	1.05
FC273-16	25,4	1.00	38,6	1.52	350,0	5000	1400,0	20000	300,0	12.00	1,96	1.32
FC273-20	31,8	1.25	49,8	1.96	350,0	5000	1400,0	20000	420,0	16.50	3,66	2.46
FC273-24	38,1	1.50	57,4	2.26	350,0	5000	1400,0	20000	500,0	20.00	4,70	3.16
FC273-32	50,8	2.00	71,1	2.80	350,0	5000	1400,0	20000	640,0	25.00	7,11	4.78

### Construction

Synthetic rubber tube, multiple heavy spiral wire (4 wire for -12, -16; 6 wire for -20, -24 and -32); black synthetic rubber cover.

### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

### Application

Hydraulic system service with petroleum and water-base fluids, for general industrial service. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Spiral TTC	97
Single Skive	113
Internal Skive	123
Socket Data	64

# FC273B BRUISER

## Ultra-abrasion resistant cover

## Four or six spiral wire

SAE 100R13, EN 856 Type R13, ISO 3862 Type R13



#	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC273B-12	19,1	0.75	33,3	1.31	350,0	5000	1400,0	20000	240,0	9.50	1,55	1.04
FC273B-16	25,4	1.00	39,9	1.57	350,0	5000	1400,0	20000	300,0	12.00	1,95	1.31
FC273B-20	31,8	1.25	51,3	2.02	350,0	5000	1400,0	20000	420,0	16.50	3,63	2.44
FC273B-24	38,1	1.50	58,9	2.32	350,0	5000	1400,0	20000	500,0	20.00	4,78	3.21
FC273B-32	50,8	2.00	72,6	2.86	350,0	5000	1400,0	20000	640,0	25.00	7,05	4.74

### Construction

Synthetic rubber tube, multiple heavy spiral wire (4 wire for -12, -16; 6 wire for -20, -24 and -32); synthetic rubber intermediate cover and BRUISER outer cover.

### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

### Application

High abrasion industrial and hydraulic system applications with petroleum and water-based fluids. Recommended for use on critical applications in construction, forestry, and other off-highway vehicles. BRUISER outer cover offers unmatched abrasion, chem-

ical and environmental protection. For more information on specific fluid applications and temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Spiral TTC	97









# GH506

## Four spiral wire

EN 856 4SH



#												
	Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH506-12*	19,1	0.75	32,3	1.27	420,0	6090	1680,0	24360	280,0	11.00	1,49	1.00
GH506-16*	25,4	1.00	38,4	1.51	380,0	5510	1520,0	22040	340,0	13.38	2,05	1.38
GH506-20*	31,8	1.25	45,5	1.79	350,0	5075	1400,0	20300	460,0	18.11	2,54	1.71
GH506-24*	38,1	1.50	53,6	2.11	300,0	4350	1200,0	17400	560,0	22.05	3,27	2.20
GH506-32*	50,8	2.00	68,1	2.68	250,0	3625	1000,0	14500	700,0	27.56	4,58	3.08

### Construction

Synthetic rubber tube, 4-spiral wire reinforcement, synthetic rubber cover.

### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

### Application

Four wire hose for high pressure hydraulic systems with petroleum and water-base fluids. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

\* Also available as an M100 length (GH506-12M100). This P/N is a minimum 100 feet in length.







### Fitting Reference Page

Crimp	Page
Spiral TTC	97

# GH466

## Six spiral wire



#												
	Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
GH466-20	31,8	1.25	49,3	1.94	420,0	6090	1680,0	24000	420,0	16.50	3,48	2.34
GH466-24	38,1	1.50	57,4	2.26	420,0	6090	1680,0	24000	510,0	20.80	4,63	3.11

### Construction

Synthetic rubber tube, 6-spiral wire reinforcement, synthetic rubber cover.

### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

### Application

Six wire spiral hose for pressure systems with extreme pressure peaks. For use with petroleum and water-base fluids. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Spiral TTC	97

SPECIALTY & TRUCK HOSE

LOW & MEDIUM PRESSURE HOSE

HIGH PRESSURE HOSE

HOSE FITTINGS

ADAPTERS & TUBE FITTINGS

ACCESSORIES & ASSEMBLY INSTRUCTIONS

HOSE ASSEMBLY EQUIPMENT

APPENDICES

# FC606

## Six spiral wire

SAE 100R15



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC606-16	25,4	1.00	41,9	1.65	420,0	6000	1680,0	24000	304,8	12.00	2,66	1.79
FC606-20	31,8	1.25	49,5	1.95	420,0	6000	1680,0	24000	419,1	16.50	3,62	2.43
FC606-24	38,1	1.50	58,4	2.30	420,0	6000	1680,0	24000	508,0	20.00	4,72	3.17

### Construction

Synthetic rubber tube, 6-spiral wire reinforcement, synthetic rubber cover.

### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

### Application

High-pressure hydraulics, hydrostatic transmissions. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Spiral TTC	97
Internal Skive	128
Socket Data	64

# FC606B BRUISER

## Ultra-abrasion resistant cover

## Six spiral wire

SAE 100R15, ISO 3862 Type R15



# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC606B-16	25,4	1.00	42,9	1.69	420,0	6000	1680,0	24000	304,8	12.00	2,60	1.79
FC606B-20	31,8	1.25	51,6	2.03	420,0	6000	1680,0	24000	419,1	16.50	3,57	2.43
FC606B-24	38,1	1.50	58,9	2.32	420,0	6000	1680,0	24000	508,0	20.00	4,57	3.07

### Construction

Synthetic rubber tube, 6-spiral wire reinforcement, synthetic rubber intermediate cover and BRUISER outer cover.

### Operating Temperature Range

-40°C to +121°C [-40°F to +250°F]

### Application

High-abrasion industrial and hydraulic system applications with petroleum and water-based fluids. Recommended for use on critical applications in construction, forestry, and other off-highway vehicles. BRUISER outer

cover offers unmatched abrasion, chemical, and environmental protection. For more information on specific fluid applications and temperature ratings, see pages 349-355

### For Complete Agency Listings

See pages 346-348.

### Fitting Reference Page

Crimp	Page
Spiral TTC	97

# FC579

## 10,000 PSI Jack Hose

### Double wire braid

Meets IJ100 requirements



SPECIALTY &  
TRUCK HOSE

LOW & MEDIUM  
PRESSURE HOSE

HIGH PRESSURE HOSE

HOSE FITTINGS

ADAPTERS &  
TUBE FITTINGS

ACCESSORIES &  
ASSEMBLY INSTRUCTIONS

HOSE ASSEMBLY  
EQUIPMENT

APPENDICIES

# Part Number	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight of Hose	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	Kg/m	lbs/ft
FC579-04	6,4	0.25	13,5	0.53	700,0	10000	1400,0	20000	50,8	2.00	0,33	0.22
FC579-06	9,7	0.38	17,5	0.69	700,0	10000	1400,0	20000	63,5	2.50	0,43	0.29

#### Construction

Synthetic rubber tube, double wire braid reinforcement and synthetic rubber cover.

#### Operating Temperature Range

-40°C to +100°C [-40°F to +212°F]

#### Application

Hydraulic jacking system service with petroleum and water-base fluids. Meets the performance requirements of the Material Handling Institute Specification IJ100. For more information on specific fluid applications and high temperature ratings, see pages 349-355.

#### For Complete Agency Listings

See pages 346-348.

#### Fitting Reference Page

Crimp	Page
TTC	66
Skive Nipple	66
Socket Data	64