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General Information

Hydra Pipe hoses meets several industry standards and Type Approvals, please specify your requirements when ordering.

Use only hoses adapted to operating system pressures not exceeding published working pressures.

Working pressures are indicated and listed in the enclosed tables for each hose type and dimensions.

Hydraulic hoses should not be used as replacement of permanent piping. Hoses are to be used where it is necessary due to vibrations and flexible mounting only.

For gas and air applications outer cover needs to be pin-prickled to allow diffused gas to escape and not to be accumulated under outer cover.

Working Pressure - Type Approvals

Working Pressure Bar

Hose type	Hose dimension										
	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
PL	150	150	120	100	100		100	75			
G1 / 1SN		225	215	180	160	130	105	88	63	50	40
SK117		290	250	230	210	130	105	88			
SK142		345	295	275	240						
M3K		225	225	225	225	225	225	225			
M4K		280	280	280	280	280	280				
M5K		350	350	350	350						
M6K		420									
G2 / 2SN		400	350	330	275	250	215	165	125	90	80
CM2T / 2SC		400	350	330	275	250	215	165			
SK216		450	420	385	345	290	280	230	175		
4SP		500		460	425	400	380	320	210	185	175
4SH							420	385	350	300	250
G3K									210	210	210
G4K							280	280	280		
G5K					350	350	350	350	350	350	350
G6K				420	420	420	420	420	420	420	420
VHP		700	700								
R7		190		155	140	105	87	70			
R8		350		280	245	195	162	142			

Type approvals

Hose type	DNV	GL	LR	MOD	ABS	BV/RINA	MSHA
G1 / 1SN	x	x					x
G2/ 2SN	x	x					x
M3-4-5-6K	x	x					x
SK216	x	x					x
CM2T	x	x					x
	x	x					x
4SP	x	x					x
4SH	x	x					x
R13/F5000	x	x					x
R15/F6000	x	x					x

G1 - EN 853/1SN

TECHNICAL SPECIFICATION:

Recommended: Hydraulic systems, lubr. oils
 Construction: NBR tube
 1 wire reinforced
 SBR-CR cover
 Temperature: -40°C – +100°C
 Intermittent +120°C
 Compatibility: The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids

Hydraulic Hoses



Coupling: 1-piece **M-SERIE**
 No-Skive **3-SERIE**

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
G1-04	1/4"	6	13,5	13050	900	3262	225	50	0,22
G1-05	5/16"	8	15,1	12325	850	3117	215	55	0,26
G1-06	3/8"	10	17,1	10440	720	2610	180	65	0,32
G1-08	1/2"	12	20,3	9380	640	2320	160	90	0,39
G1-10	5/8"	16	23,5	7540	520	1885	130	100	0,46
G1-12	3/4"	20	27,6	6090	420	1522	105	120	0,59
G1-16	1"	25	35,4	5075	350	1276	88	150	0,84
G1-20	1 1/4"	32	43,5	3625	250	913	63	210	1,28
G1-24	1 1/2"	38	50,0	2900	200	725	50	250	1,46
G1-32	2"	50	64,0	2320	160	580	40	315	2,07

G2 - EN 853/2SN

TECHNICAL SPECIFICATION:

Recommended: High pressure hydraulic oil lines
 Construction: NBR tube
 2 wire braid reinforcement
 coverCR
 Temperature: -40°C – +100°C
 Intermittent +120°C
 Compatibility: The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



Coupling: 1-piece **M-SERIE**
 No-Skive **3-SERIE**

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
G2-04	1/4"	6	15,0	23200	1600	5800	400	50	0,35
G2-05	5/16"	8	16,3	20300	1400	5075	350	55	0,40
G2-06	3/8"	10	18,8	19140	1320	4785	330	65	0,52
G2-08	1/2"	12	21,8	15950	1100	3987	275	90	0,63
G2-10	5/8"	16	25,1	14500	1000	3625	250	100	0,75
G2-12	3/4"	20	29,0	12325	850	3117	215	120	0,91
G2-16	1"	25	37,6	9425	650	2392	165	150	1,34
G2-20	1 1/4"	32	47,5	7250	500	1812	125	210	1,92
G2-24	1 1/2"	38	54,6	5220	360	1305	90	250	2,23
G2-32	2"	50	67,3	4640	320	1160	80	315	2,78

Hydraulic Hoses

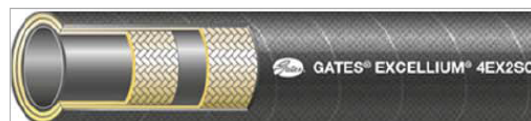
2SC Excellium™

TECHNICAL SPECIFICATION:

Recommended: High pressure hydraulic application. Easy to route

Construction: NBR rubber tube
2 wire braid reinforcement
SBR based rubber cover

Temperature: -40°C – +100°C



ISO 11237 2SC R16

Coupling: 1-piece M-SERIE

No-Skive 3-SERIE

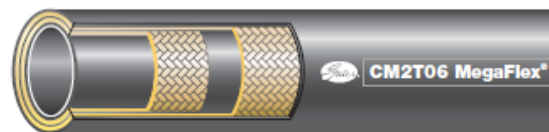
Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
2SCE-04	1/4"	6	13,7	23200	1600	5800	400	75	0,28
2SCE-05	5/16"	8	15,1	20300	1400	5075	350	85	0,34
2SCE-06	3/8"	10	17,5	19140	1320	4785	330	90	0,41
2SCE-08	1/2"	12	21,0	15950	1100	3987	275	130	0,56
2SCE-10	5/8"	16	24,0	14500	1000	3625	250	170	0,64
2SCE-12	3/4"	19	27,8	12450	860	3100	215	200	0,81
2SCE-16	1"	25	35,7	9550	660	2375	165	250	1,25

CM2T Megaflex

TECHNICAL SPECIFICATION:

Recommended: High pressure hydraulic oil lines
 Construction: NBR tube
 2 wire braid reinforcement
 CR cover
 Temperature: -40°C – +120°C
 Intermittent +150°C
 Couplings: M-series and 3-series
 Also available with extremely abrasion resistant MegaTuff cover
 Compatibility: The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids

Hydraulic Hoses



ISO 11237 2SC R16

Coupling: 1-piece M-SERIE

No-Skive 3-SERIE

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
CM2T-04	1/4"	6	14,1	23200	1600	5800	400	50	0,31
CM2T-05	5/16"	8	15,5	20300	1400	5075	350	55	0,35
CM2T-06	3/8"	10	17,7	19140	1320	4785	330	65	0,42
CM2T-08	1/2"	12	20,8	15950	1100	3987	275	90	0,51
CM2T-10	5/8"	16	24,6	14500	1000	3625	250	100	0,70
CM2T-12	3/4"	19	27,8	12300	850	3100	215	120	0,81
CM2T-16	1"	25	35,8	9400	650	2400	165	150	1,15

CM2T TWIN

TECHNICAL SPECIFICATION:

Recommended for High pressure and return lines such as boom arm and forklift applications

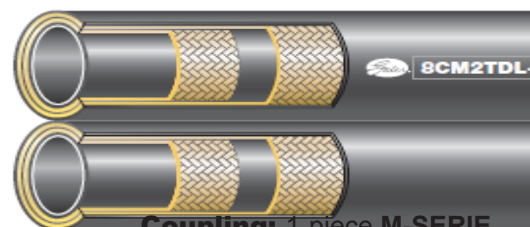
Construction: NBR tube
 2 wire braid reinforcement
 Cover: XtraTuff MSHA Approved
 Temperature: -40°C – +120°C
 Intermittent +150°C
 Couplings: M-series and 3-series

Characteristics/Benefits: 70% bend radii of EN857 2SC. Superior flex impulse performance. Lightweight.
 No need to use clamps as two lines are vulcanised together to form one single unit.
 Gates XtraTuff cover which offers 25 times the abrasion resistance of the standard CM2T cover

Important:



Gates recommends minimum split length of 250mm depending on the application. Do not expose hose reinforcement when splitting hoses.



Coupling: 1-piece M-SERIE

No-Skive 3-SERIE

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
CM2T-04TW	1/4"	6	14,1	23200	1600	5800	400	50	0,58
CM2T-06TW	3/8"	10	15,5	19200	1320	4800	330	65	0,86
CM2T-06TW	1/2"	12	17,7	16000	1100	4000	275	90	1,04

M3K

TECHNICAL SPECIFICATION:

Recommended:	High pressure hydraulic applications
Tube:	NBR (Nitrile)
Reinforcement:	-4-5-6-8: one braid of steel wire -10-12-16: two braids of steel wire
Cover:	NBR/ VC, MSHA approval, available with MegaTuff and XtraTuff covers
Temp. range:	-40°C to +100°C constant +120°C intermittent
Couplings:	M-series and 3-series
Compatibility:	The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



MEGASYS ISO 11237 2SC R16

Coupling: 1-piece **M-SERIE**

No-Skive **3-SERIE**

Part No	Hose bore		Hose O.D. [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
M3K-04	1/4"	6	12,2	13000	900	3250	225	50	0,17
M3K-05	5/16"	8	15,1	13000	900	3250	225	55	0,26
M3K-06	3/8"	10	16,0	13000	900	3250	225	65	0,28
M3K-08	1/2"	12	20,2	13000	900	3250	225	90	0,41
M3K-10	5/8"	16	25,2	13000	900	3250	225	100	0,73
M3K-12	3/4"	19	29,0	13000	900	3250	225	120	0,91
M3K-16	1"	25,4	37,7	13000	900	3250	225	150	1,55

M4K

TECHNICAL SPECIFICATION:

Recommended:	High pressure hydraulic applications
Tube:	NBR (Nitrile)
Reinforcement:	2 braids of high tensile steel wire
Cover:	NBR/PVC, MSHA approval Available with MegaTuff and XtraTuff covers
Temp. range:	-40°C to +100°C constant +120°C intermittent
Couplings:	M-series and 3-series
Compatibility:	The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



MEGASYS

Coupling: 1-piece **M-SERIE**

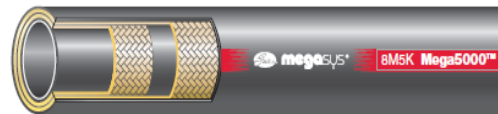
No-Skive **3-SERIE**

Part No	Hose bore		Hose O.D. [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
M4K-04	1/4"	6	13,7	16000	1120	4000	280	50	0,33
M4K-05	5/16"	8	15,4	16000	1120	4000	280	55	0,34
M4K-06	3/8"	10	17,5	16000	1120	4000	280	65	0,46
M4K-08	1/2"	12	20,8	16000	1120	4000	280	60	0,51
M4K-10	5/8"	16	25,0	16000	1120	4000	280	100	0,74
M4K-12	3/4"	19	29,1	16000	1120	4000	280	120	0,93

M5K

TECHNICAL SPECIFICATION:

Recommended:	High pressure hydraulic applications
Tube:	NBR (Nitrile)
Reinforcement:	2 braids of high tensile steel wire
Cover:	NBR/PVC, MSHA approval Available with abrasion resistant MegaTuff and XtraTuff covers
Temp. range:	-40°C to +100°C constant +120°C intermittent
Couplings:	M-series and 3-series
Compatibility:	The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



MEGASYS

Coupling: 1-piece **M-SERIE**

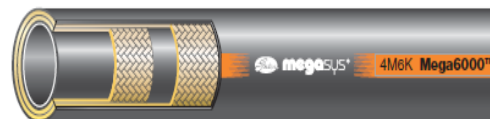
No-Skive **3-SERIE**

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
M5K-04	1/4"	6	13,7	20000	1400	5000	350	50	0,30
M5K-05	5/16"	8	15,4	20000	1400	5000	350	55	0,34
M5K-06	3/8"	10	17,5	20000	1400	5000	350	65	0,41
M5K-08	1/2"	12	20,8	20000	1400	5000	350	90	0,51

M6K

TECHNICAL SPECIFICATION:

Recommended:	High pressure hydraulic applications
Tube:	NBR (Nitrile)
Reinforcement:	2 braids of high tensile steel wire
Cover:	NBR/PVC, MSHA approval
Temp. range:	-40°C to +100°C constant +120°C intermittent
Couplings:	M-series and 3-series
Compatibility:	The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



MEGASYS

Coupling: 1-piece **M-SERIE**

No-Skive **3-SERIE**

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
M6K-04	1/4"	6	15,0	24000	1680	6000	420	50	0,35

EFG3K – 3000 psi

TECHNICAL SPECIFICATION:

Recommended:	Extreme high pressure and high impulse hydr. applications
Tube:	CR (Cloroprene)
Reinforcement:	4 alternating layers of spiralled, high tensile steel wire
Cover:	CR (Cloroprene). MSHA Approval Available with abrasion resistant MegaTuff cover
Temp. range:	-40°C to +121°C
Couplings:	GS-GSM-series and 3-series
Characteristics and benefits:	Extremely flexible. Superior flex impulse performance tested to 1000000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radie. 40% of EN 856 4SP bend radius.
Compatibility:	The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



MEGASYS

Coupling: No-Skive GS-SERIE

Double-Skive 5-SERIE

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
G3K-20	1 1/4"	31	47,0	12000	840	3000	210	210	2,90
G3K-24	1 1/2"	38	53,6	12000	840	3000	210	250	3,20
G3K-32	2"	51	66,8	12000	840	3000	210	635	4,39

MEGASYS

EFG4K – 4000 psi

TECHNICAL SPECIFICATION:

Recommended:	Extremely high pressure and high impulse hydraulic applications
Tube:	NBR (Nitrile)
Reinforcement:	4 alternating layers of spiralled, high tensile steel wire
Cover:	CR (Chloroprene), MSHA Approval, available with abrasion resistant MegaTuff cover
Temp. range:	-40°C to +121°C
Couplings:	GS-series and 3-series
Characteristics and benefits:	Extremely flexible. Superior flex impulse performance tested to 1000000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radie. 40% of EN 856 4SP bend radius.
Compatibility:	The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



Coupling: No-Skive GS-SERIE

Double-Skive 5-SERIE

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
G4K-12	3/4"	19	30,7	16000	1120	4000	280	120	1,31
G4K-16	1"	25	38,1	16000	1120	4000	280	150	1,93
G4K-20	1 1/4"	31	47,0	16000	1120	4000	280	210	2,89

EFG5K – 5000 psi

TECHNICAL SPECIFICATION:

- Recommended:** Extremely high pressure and high impulse hydraulic applications.
- Tube:** NBR: 08-20 CR.24-32 (Chloroprene).
- Reinforcement:** -08-10-12-16:4 alternating layers of spiralled, high tensile steel wire
-20-24-32: 6 layers.
- Cover:** CR (Chloroprene), MSHA Approval, available with abrasion resistant MegaTuff cover
- Temp. range:** -40°C to +121°C
- Couplings:** GS-series, GSM-series, 3-serie and 5-serie(Interlock)
- Characteristics and benefits:** Extremely flexible. Superior flex impulse performance tested to 1000000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radie.
40% of EN 856 4SP bend radius.
- Compatibility:** The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids

Hydraulic Hoses



MEGASYS

Coupling: No-Skive **GS-SERIE**

Double-Skive **5-SERIE**

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
G5K-08	1/2"	12	23,9	20000	1400	5000	350	90	0,89
G5K-10	5/8"	16	28,2	20000	1400	5000	350	100	1,16
G5K-12	3/4"	19	32,0	20000	1400	5000	350	120	1,47
G5K-16	1"	25	38,9	20000	1400	5000	350	150	2,28
G5K-20	1 1/4"	31	50,0	20000	1400	5000	350	210	4,08
G5K-24	1 1/2"	38	57,4	20000	1400	5000	350	250	4,82
G5K-32	2"	51	71,1	20000	1400	5000	350	635	7,19

EFG6K – 6000 psi

MEGASYS

TECHNICAL SPECIFICATION:

- Recommended:** Extremely high pressure and high impulse hydraulic applications.
- Tube:** NBR: 08-20 CR.24-32 (Chloroprene).
- Reinforcement:** -08-10-12-16:4 alternating layers of spiralled, high tensile steel wire
-20-24-32: 6 layers.
- Cover:** CR (Chloroprene), MSHA Approval, available with abrasion resistant MegaTuff cover
- Temp. range:** -40°C to +121°C
- Couplings:** GS-series, GSM-series, 3-serie and 5-serie(Interlock)
- Characteristics and benefits:** Extremely flexible. Superior flex impulse performance tested to 1000000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radie.
40% of EN 856 4SP bend radius.
- Compatibility:** The hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids



Coupling: No-Skive **GS-SERIE**

Double-Skive **5-SERIE**

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
G6K-06	3/8"	10	20,3	24000	1680	6000	420	65	0,73
G6K-08	1/2"	12	23,9	24000	1680	6000	420	90	0,89
G6K-10	5/8"	16	28,2	24000	1680	6000	420	100	1,16
G6K-12	3/4"	19	32,0	24000	1680	6000	420	120	1,47
G6K-16	1"	25	38,9	24000	1680	6000	420	150	2,28
G6K-20	1 1/4"	31	50,0	24000	1680	6000	420	210	4,08
G6K-24	1 1/2"	38	57,4	24000	1680	6000	420	250	4,82
G6K-32	2"	51	71,1	24000	1680	6000	420	635	7,19

Hydraulic Hoses

PL Pilot Hose

1-Wire Slim

Coupling: NO-SKIVE 3-SERIE



OPERATING

TEMPERATURE RANGE:

-40° C / + 100° C
with peak of +125°C

QUALIFIED FLUIDS:

mineral oils, vegetable and rapeseed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

TUBE:

oil resistant
synthetic rubber

REINFORCEMENT:

one high tensile
steel braid.

COVER:

black, oil and environment resistant synthetic rubber.

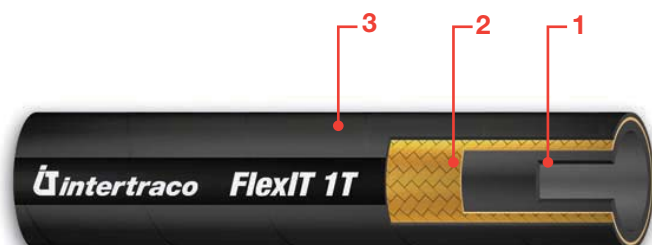
Code															
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
PL-03	5	3/16"	4,8	0,33	8,3	0,41	10,3	2170	150	8680	600	0,79	20	0,09	0,130
PL-04	6	1/4"	6,4	0,39	9,9	0,45	11,5	2170	150	8680	600	0,98	25	0,10	0,145
PL-05	8	5/16"	7,9	0,45	11,5	0,52	13,1	1740	120	6960	480	1,18	30	0,11	0,160
PL-06	10	3/8"	9,5	0,52	13,2	0,58	14,8	1450	100	5800	400	1,57	40	0,13	0,200
PL-08	12	1/2"	12,8	0,65	16,5	0,73	18,5	1450	100	5800	400	1,97	50	0,17	0,260
PL-12	19	3/4"	19,0	0,91	23,0	0,98	25,0	1450	100	5800	400	3,15	80	0,27	0,400
PL-16	25	1"	25,4	1,16	29,4	1,24	31,4	1090	75	4360	300	4,72	120	0,35	0,520

1T

1SN - SAE100 R1AT

Coupling: NO-SKIVE 3-SERIE

Hydraulic Hoses



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water/oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F);
Polyglycol base oils, water-oil emulsions and water:
up to +85°C (+185°F).

HOSE TYPE	Ø HOSE			REINFORCEMENT DIAMETER		OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
1SN-04	6	1/4"	04	11,1	0,437	13,2	0,520	225	3250	900	13000	100	3,94	0,21	0,14
1SN-05	8	5/16"	05	12,7	0,500	14,5	0,571	215	3100	860	12400	115	4,53	0,24	0,16
1SN-06	10	3/8"	06	15,1	0,594	17,2	0,677	180	2600	720	10400	125	4,92	0,33	0,22
1SN-08	12	1/2"	08	18,0	0,709	20,4	0,803	160	2300	640	9200	180	7,09	0,41	0,28
1SN-10	16	5/8"	10	21,2	0,835	23,5	0,925	130	1900	520	7600	200	7,87	0,45	0,30
1SN-12	19	3/4"	12	25,2	0,992	27,5	1,083	105	1500	420	6000	240	9,45	0,58	0,39
1SN-16	25	1"	16	33,1	1,303	35,4	1,394	88	1250	352	5000	300	11,81	0,88	0,59
1SN-20	31	1.1/4"	20	40,2	1,583	43,5	1,713	63	920	252	3680	420	16,54	1,23	0,83
1SN-24	38	1.1/2"	24	46,7	1,839	50	1,969	50	725	200	2900	500	19,69	1,51	1,01
1SN-32	51	2"	32	60,2	2,370	63,6	2,504	40	580	160	2320	630	24,80	1,97	1,32
1SN-40	63	2.1/2"	40	73	2,874	76,5	3,012	40	580	160	2320	760	29,92	2,54	1,71
1SN-48	76	3"	48	85	3,346	88,5	3,484	35	500	140	2000	900	35,43	2,71	1,82

SK117

Hydraulic Hoses

Exceeds EN857 1SC - SAE100 R17

Coupling: NO-SKIVE 3-SERIE

Construction

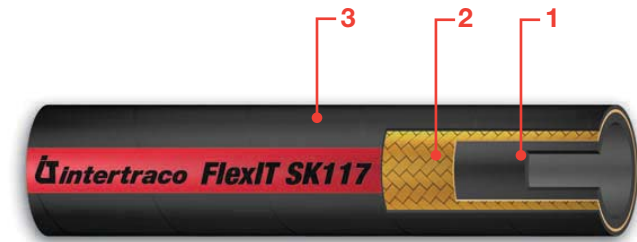
- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological; Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F), occasional peaks up to +125°C (+250°F); Polyglycol base oils, water-oil emulsions and water: up to +85°C (+185°F).



HOSE TYPE	Ø HOSE			MEDIUM REINFORCEMENT DIAMETER		MAX OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
SK117-04	6	1/4"	04	10,4	0,409	12,7	0,500	290	4200	1160	16800	40	1,57	0,18	0,12
SK117-05	8	5/16"	05	11,5	0,453	14,2	0,559	250	3600	1000	14400	55	2,17	0,21	0,14
SK117-06	10	3/8"	06	13,6	0,535	16,6	0,654	230	3300	920	13200	65	2,56	0,28	0,18
SK117-08	12	1/2"	08	17,4	0,685	20,0	0,787	210	3000	840	12000	90	3,54	0,36	0,24
SK117-10	16	5/8"	10	20,4	0,803	23,0	0,906	130	1900	520	7600	150	5,91	0,41	0,28
SK117-12	19	3/4"	12	23,8	0,937	26,7	1,051	105	1500	420	6000	180	7,09	0,52	0,35
SK117-16	25	1"	16	31,3	1,232	34,0	1,339	88	1250	352	5000	230	9,06	0,78	0,52

SK142

1-WIRE COMPACT

Coupling: NO-SKIVE 3-SERIE

Construction

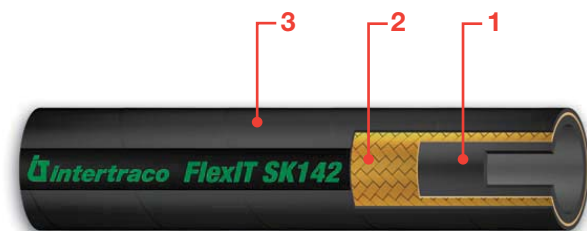
- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - Synthetic rubber cover;

Application

Hydraulic oils, both mineral and biological; Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F); Polyglycol base oils, water-oil emulsions and water: up to +85°C (+185°F).



HOSE TYPE	Ø HOSE			MEDIUM REINFORCEMENT DIAMETER		MAX OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
SK142-04	6	1/4"	04	10,5	0,413	13,5	0,531	345	5000	1380	20000	51	2,01	0,18	0,12
SK142-05	8	5/16"	05	12,5	0,492	15,1	0,594	295	4300	1180	17200	57	2,24	0,27	0,18
SK142-06	10	3/8"	06	14,6	0,575	17,8	0,701	275	4000	1100	16000	63	2,48	0,28	0,18
SK142-08	12	1/2"	08	18,5	0,728	21,3	0,839	240	3500	960	14000	89	3,50	0,36	0,24

2T

2SN - SAE100 R2AT

Coupling: NO-SKIVE 3-SERIE



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water/oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F);
Polyglycol base oils, water-oil emulsions and water:
up to +85°C (+185°F).

HOSE TYPE	Ø HOSE			REINFORCEMENT DIAMETER		OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
2SN-04	6	1/4"	04	12,7	0,500	15,0	0,591	400	5800	1600	23200	100	3,94	0,33	0,22
2SN-05	8	5/16"	05	14,3	0,563	16,4	0,646	350	5000	1400	20000	115	4,53	0,39	0,26
2SN-06	10	3/8"	06	16,7	0,657	18,8	0,740	330	4800	1320	19200	125	4,92	0,50	0,34
2SN-08	12	1/2"	08	19,8	0,780	22,2	0,874	275	4000	1100	16000	180	7,09	0,59	0,40
2SN-10	16	5/8"	10	23,0	0,906	25,2	0,992	250	3600	1000	14400	200	7,87	0,71	0,48
2SN-12	19	3/4"	12	27,0	1,063	29,3	1,154	215	3100	860	12400	240	9,45	0,86	0,58
2SN-16	25	1"	16	34,9	1,374	37,2	1,465	165	2400	660	9600	300	11,81	1,28	0,86
2SN-20	31	1.1/4"	20	44,5	1,752	47,3	1,862	125	1800	500	7200	420	16,54	2,02	1,36
2SN-24	38	1.1/2"	24	50,8	2,000	53,7	2,114	90	1300	360	5200	500	19,69	2,23	1,50
2SN-32	51	2"	32	63,5	2,500	66,7	2,626	80	1150	320	4600	630	24,80	2,85	1,92
2SN-40	63	2.1/2"	40	75,8	2,984	79,3	3,122	69	1000	276	4000	760	29,92	3,81	2,56
2SN-48	76	3"	48	87,8	3,457	91,3	3,594	50	725	200	2900	900	35,43	4,04	2,71

2SC

EN 857 2SC

Coupling: NO-SKIVE 3-SERIE

Hydraulic Hoses



OPERATING

TEMPERATURE RANGE:

-40° C / + 100° C
with peak of +125°C

QUALIFIED FLUIDS:

mineral oils, vegetable and
rapeseed oils, glycol and
polyglycol based oils, synthetic
ester based oils, oils in
aqueous emulsion, water

TUBE:

oil resistant
synthetic rubber

REINFORCEMENT:

two high tensile
steel braids.

COVER:

black, oil and
environment
resistant syn-thetic
rubber.

Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
2SC04	6	1/4"	6,4	0,44	11,3	0,52	13,3	5800	400	23200	1600	1,77	45	0,20	0,300
2SC05	8	5/16"	7,9	0,51	12,9	0,59	14,9	5070	350	20280	1400	2,17	55	0,24	0,355
2SC06	10	3/8"	9,5	0,59	15,0	0,67	17,0	4780	330	19120	1320	2,56	65	0,28	0,420
2SC08	12	1/2"	12,8	0,72	18,4	0,80	20,4	4000	275	16000	1100	3,15	80	0,35	0,520
2SC10	16	5/8"	16,0	0,86	21,8	0,94	23,8	3620	250	14480	1000	3,54	90	0,42	0,630
2SC12	19	3/4"	19,0	1,00	25,5	1,08	27,5	3120	215	12480	860	4,72	120	0,54	0,810
2SC16	25	1"	25,4	1,31	33,3	1,39	35,3	2400	165	9600	660	6,30	160	0,81	1,200
2SC20	31	1" 1/4	31,8	1,60	40,7	1,70	43,1	1820	125	7280	500	9,84	250	1,04	1,550
2SC24	38	1" 1/2	38,1	1,84	46,8	1,96	49,8	1450	100	5800	400	11,81	300	1,41	2,100
2SC32	51	2"	50,8	2,38	60,4	2,50	63,4	1300	90	5200	360	15,75	400	1,68	2,500

2SC FOREVER

EN857 2SC ABRAISON RESISTANT!

Coupling: NO-SKIVE 3-SERIE



OPERATING

TEMPERATURE RANGE:

- 40°C/+100°C with
peak of +125°C

QUALIFIED FLUIDS:

mineral oils, vegetable and
rapeseed oils, glycol and
polyglycol based oils, synthetic
ester based oils, oils in aque-
ous emulsion, water

TUBE:

oil resistant
synthetic rubber

REINFORCEMENT:

two high tensile
steel braids

COVER:

black, synthetic rubber
covered by a **polyethylene**
film with high abrasion, oil
and environment resistance

Code															
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
2SC-04A	6	1/4"	6,4	0,44	11,3	0,52	13,3	5800	400	23200	1600	1,77	45	0,20	0,300
2SC-05A	8	5/16"	7,9	0,51	12,9	0,59	14,9	5070	350	20280	1400	2,17	55	0,24	0,355
2SC-06A	10	3/8"	9,5	0,59	15,0	0,67	17,0	4780	330	19120	1320	2,56	65	0,28	0,420
2SC-08A	12	1/2"	12,8	0,72	18,4	0,80	20,4	4000	275	16000	1100	3,15	80	0,35	0,520
2SC-10A	16	5/8"	16,0	0,86	21,8	0,94	23,8	3620	250	14480	1000	3,54	90	0,42	0,630
2SC-12A	19	3/4"	19,0	1,00	25,5	1,08	27,5	3120	215	12480	860	4,72	120	0,54	0,810
2SC-16A	25	1"	25,4	1,31	33,3	1,39	35,3	2400	165	9600	660	6,30	160	0,81	1,200
2SC-20A	31	1" 1/4	31,8	1,60	40,7	1,70	43,1	1820	125	7280	500	9,84	250	1,04	1,550
2SC-24A	38	1" 1/2	38,1	1,84	46,8	1,96	49,8	1450	100	5800	400	11,81	300	1,41	2,100
2SC-32A	51	2"	50,8	2,38	60,4	2,50	63,4	1300	90	5200	360	15,75	400	1,68	2,500

2SC ICEBERG

Hydraulic Hoses

for installation in extremely low temperature conditions

Coupling: NO-SKIVE 3-SERIE



OPERATING TEMPERATURE RANGE:
- 55°C / +100°C with peak of +125°C

QUALIFIED FLUIDS:
mineral oils, vegetable and rapeseed oils, glycol and-polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

TUBE:
oil resistant synthetic rubber

REINFORCEMENT:
two high tensile steel braids

COVER:
black, oil, environment and lowtemperature resistant synthetic rubber **MSHA** approved

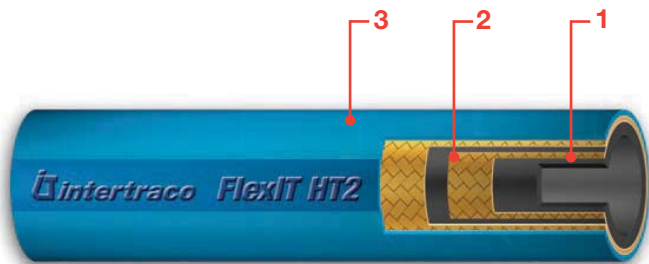
Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
2SC04ICE	6	1/4"	6,4	0,44	11,3	0,53	13,5	5800	400	23200	1600	1,77	45	0,20	0,300
2SC05ICE	8	5/16"	7,9	0,51	12,9	0,59	15,1	5070	350	20280	1400	2,17	55	0,24	0,355
2SC06ICE	10	3/8"	9,5	0,59	15,0	0,68	17,2	4780	330	19120	1320	2,56	65	0,28	0,420
TSC08ICE	12	1/2"	12,8	0,72	18,4	0,81	20,6	4000	275	16000	1100	3,15	80	0,35	0,520
2SC10ICE	16	5/8"	16,0	0,86	21,8	0,94	24	3620	250	14480	1000	3,54	90	0,42	0,630
2SC12ICE	19	3/4"	19,0	1,00	25,5	1,09	27,7	3120	215	12480	860	4,72	120	0,54	0,810
2SC16ICE	25	1"	25,4	1,31	33,3	1,40	35,5	2400	165	9600	660	6,30	160	0,81	1,200
2SC20ICE	31	1" 1/4	31,8	1,60	40,7	1,71	43,4	1820	125	7280	500	9,84	250	1,04	1,550
2SC24ICE	38	1" 1/2	38,1	1,84	46,8	1,95	49,5	1450	100	5800	400	11,81	300	1,41	2,100
2SC32ICE	51	2"	50,8	2,38	60,4	2,48	63,1	1300	90	5200	360	15,75	400	1,68	2,500

HT2

2SN - SAE100 R2AT!

HIGH TEMPERATURE

Coupling: NO-SKIVE 3-SERIE



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - Blue synthetic rubber cover, **smooth** cover available MSHA flame retardant approved.

Application

High temperature hose;
Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +135°C (-40°F to +275°F)
occasional peaks up to +150°C (+302°F);
Polyglycol base oils, water-oil emulsions and water:
up to +85°C (+185°F).

HOSE TYPE	Ø HOSE			REINFORCEMENT DIAMETER		OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
HT2-04	6	1/4"	04	12,7	0,500	15,0	0,591	400	5800	1600	23200	100	3,94	0,33	0,22
HT2-05	8	5/16"	05	14,3	0,563	16,4	0,646	350	5000	1400	20000	115	4,53	0,39	0,26
HT2-06	10	3/8"	06	16,7	0,657	18,8	0,740	330	4800	1320	19200	125	4,92	0,50	0,34
HT2-08	12	1/2"	08	19,8	0,780	22,2	0,874	275	4000	1100	16000	180	7,09	0,59	0,40
HT2-10	16	5/8"	10	23,0	0,906	25,2	0,992	250	3600	1000	14400	200	7,87	0,71	0,48
HT2-12	19	3/4"	12	27,0	1,063	29,3	1,154	215	3100	860	12400	240	9,45	0,86	0,58
HT2-16	25	1"	16	34,9	1,374	37,2	1,465	165	2400	660	9600	300	11,81	1,28	0,86
HT2-20	31	1.1/4"	20	44,5	1,752	47,3	1,862	125	1800	500	7200	420	16,54	2,02	1,36
HT2-24	38	1.1/2"	24	50,8	2,000	53,7	2,114	90	1300	360	5200	500	19,69	2,23	1,50
HT2-32	51	2"	32	63,5	2,500	66,7	2,626	80	1150	320	4600	630	24,80	2,85	1,92

SK216 Smooth Cover

Exceeds E857 2SC - SAE100 R16

Coupling: NO-SKIVE 3-SERIE



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braids;
- 3 - **Smooth** synthetic rubber cover MSHA flame retardant

Application

Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)
occasional peaks up to +125°C (+250°F);
Polyglycol base oils, water-oil emulsions and water:
up to +85°C (+185°F).

HOSE TYPE	Ø HOSE			MEDIUM REINFORCEMENT DIAMETER		MAX OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
SK216-04	6	1/4"	04	11,5	0,453	13,8	0,543	450	6500	1800	26000	45	1,77	0,29	0,19
SK216-05	8	5/16"	05	13,0	0,512	15,6	0,614	420	6000	1680	24000	60	2,36	0,34	0,23
SK216-06	10	3/8"	06	15,0	0,591	17,8	0,701	385	5500	1540	22000	70	2,76	0,44	0,30
SK216-08	12	1/2"	08	18,8	0,740	21,4	0,843	345	5000	1380	20000	90	3,54	0,54	0,36
SK216-10	16	5/8"	10	21,6	0,850	24,4	0,961	290	4200	1160	16800	130	5,12	0,63	0,42
SK216-12	19	3/4"	12	25,7	1,010	28,5	1,122	280	4000	1120	16000	160	6,30	0,84	0,56
SK216-16	25	1"	16	34,1	1,341	36,6	1,441	230	3300	920	13200	240	9,45	1,35	0,91
SK216-20	31	1.1/4"	20	40,5	1,594	44,7	1,760	175	2540	700	10200	300	11,81	1,57	1,06

SK216HC: HARC antiabrasion cover - cold temperature -50 °C / -58 °F

SK216W: Wrapped cover

4SP

EN856 4SP exceeds SAE100 R12

Coupling: NO-SKIVE 3-SERIE



OPERATING TEMPERATURE RANGE: - 40°C/+100°C with peak of +125°C

TUBE:
oil resistant synthetic rubber

REINFORCEMENT: four high tensile steel spirals

COVER:
black, oil and environment resistant synthetic rubber

QUALIFIED FLUIDS:
mineral oils, vegetable and rapeseed oils, glycol and-polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
4SP-04	6	1/4"	6,4	0,58	14,7	0,70	17,9	7250	500	29000	2000	5,91	150	0,40	0,600
4SP-06	10	3/8"	9,5	0,69	17,5	0,84	21,4	6650	460	26600	1840	7,09	180	0,52	0,780
4SP-08	12	1/2"	12,8	0,80	20,2	0,97	24,6	6150	425	24600	1700	9,06	230	0,62	0,920
4SP-10	16	5/8"	16,0	0,94	23,8	1,11	28,2	5800	400	23200	1600	9,84	250	0,78	1,155
4SP-12	19	3/4"	19,0	1,11	28,2	1,27	32,2	5500	380	22000	1520	11,81	300	1,02	1,520
4SP-16	25	1"	25,4	1,39	35,3	1,54	39,0	4600	320	18400	1280	13,39	340	1,34	2,000
4SP-20	31	1" 1/4	31,8	1,81	46,0	1,98	50,2	3000	210	12000	840	18,11	460	2,02	3,000
4SP-24	38	1" 1/2	38,1	2,06	52,4	2,24	57,0	2650	185	10600	740	22,05	560	2,45	3,650
4SP-32	51	2"	50,8	2,57	65,4	2,79	70,8	2550	175	10200	700	25,98	660	3,53	5,250

4SH

EN856 4SH

Coupling: NO-SKIVE 3-SERIE



Hydraulic Hoses

OPERATING TEMPERATURE RANGE: - 40°C/+100°C with peak of +125°C

TUBE:
oil resistant synthetic rubber

REINFORCEMENT: four high tensile steel spirals

COVER:
black, oil and environment resistant synthetic rubber

QUALIFIED FLUIDS:
mineral oils, vegetable and rapeseed oils, glycol and-polyglycol based oils, synthetic ester based oils, oils in aque-ous emulsion, water

Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
4SH-12	19	3/4"	19,0	1,11	28,2	1,27	32,2	6090	420	24360	1680	11,02	280	1,08	1,600
4SH-16	25	1"	25,4	1,39	35,3	1,50	38,1	5580	385	22320	1540	13,39	340	1,31	1,950
4SH-20	31	1" 1/4	31,8	1,65	41,9	1,79	45,5	5070	350	20280	1400	18,11	460	1,65	2,450
4SH-24	38	1" 1/2	38,1	1,93	49,1	2,11	53,5	4350	300	17400	1200	22,05	560	2,29	3,410
4SH-32	51	2"	50,8	2,50	63,5	2,68	68,0	3620	250	14480	1000	27,56	700	3,04	4,520

Hydraulic Hoses

4SH FOREVER

EN856 4SH ABRAISON RESISTANT

Coupling: NO-SKIVE 3-SERIE



OPERATING TEMPERATURE RANGE: - 40°C/+100°C with peak of +125°C

TUBE:
oil resistant synthetic rubber

REINFORCEMENT: four high tensile steel spirals

COVER:
black, synthetic rubber covered by a polyethylene film with high abrasion, oil and environment resistance

QUALIFIED FLUIDS:
mineral oils, vegetable and rapeseed oils, glycol and-polyglycol based oils, synthetic ester based oils, oils in aque-ous emulsion, water

Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
4SH-12HC	19	3/4"	19,0	1,11	28,2	1,27	32,2	6090	420	24360	1680	11,02	280	1,08	1,600
4SH-16HC	25	1"	25,4	1,39	35,3	1,50	38,1	5580	385	22320	1540	13,39	340	1,31	1,950
4SH-20HC	31	1" 1/4	31,8	1,65	41,9	1,79	45,5	5070	350	20280	1400	18,11	460	1,65	2,450
4SH-24	38	1" 1/2	38,1	1,93	49,1	2,11	53,5	4350	300	17400	1200	22,05	560	2,29	3,410
4SH-32	51	2"	50,8	2,50	63,5	2,68	68,0	3620	250	14480	1000	27,56	700	3,04	4,520

R7 SAE100 R7

TECHNICAL SPECIFICATION:

Recommended: Air, water and hydraulic oil lines
Very flexible

Construction: Polymer tube, polyester reinforcement
Polymer cover

Temperature: -40°C – +100°C

Couplings: 3-series



Part No	Hose bore		Hose O.D. [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
R7-04	1/4"	6,4	12,2	11000	770	2750	190	50	0,095
R7-06	3/8"	9,6	16,0	9000	630	2250	155	80	0,135
R7-08	1/2"	12,7	20,3	8000	560	2000	140	95	0,19
R7-10	5/8"	15,9	23,5	6000	420	1500	105	130	-
R7-12	3/4"	19,0	26,5	5000	350	1250	87	185	0,26
R7-16	1"	25,0	32,5	4000	280	1000	70	230	0,30

R7 Twin SAE100 R7

TECHNICAL SPECIFICATION:

Recommended: Air, water and hydraulic oil lines
Very flexible

Construction: Polymer tube, polyester reinforcement
Polymer cover

Temperature: -40°C – +100°C

Couplings: 3-series



Part No	Hose bore		Hose O.D. [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
R7-04TW	1/4"	6,50	24,0	11000	758	2750	190	50	0,185
R7-06TW	3/8"	9,50	32,5	9000	620	2250	155	80	0,26
R7-08TW	1/2"	13	41,0	8000	552	2000	138	95	0,30

Hydraulic Hoses

R8 SAE100 R8

TECHNICAL SPECIFICATION:

Recommended: Air, water and hydraulic oil lines
Very flexible

Construction: Polymer tube, Kevlar reinforcement
Polymer cover

Temperature: -40°C – +100°C

Couplings: 3-series



Part No	Hose bore		Hose O.D. [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
R8-04	1/4"	6,5	12,3	20300	1400	5075	350	50	0,095
R8-06	3/8"	9,5	16,7	16240	1120	4060	280	80	0,135
R8-08	1/2"	13	20,5	14210	980	3550	245	95	0,19
R8-12	3/4"	19	28,0	9430	650	2350	162	185	0,26
R8-16	1"	25	34,7	8270	570	2060	142	230	0,30

R8 TWIN SAE100 R8

TECHNICAL SPECIFICATION:

Recommended: Air, water and hydraulic oil lines
Very flexible

Construction: Polymer tube, Kevlar reinforcement
Polymer cover

Temperature: -40°C – +100°C

Couplings: 3-series



Part No	Hose bore		Hose O.D. [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
R8-04TW	1/4"	6,50	25,0	20300	1400	5075	350	50	0,18
R8-06TW	3/8"	9,50	34,0	16240	1120	4060	280	80	0,23
R8-08TW	1/2"	13	41,0	14210	980	3550	245	95	0,30

R8 Non-ConductiveSAE 100 R8

TECHNICAL SPECIFICATION:

Recommended:	Hydraulic and lubricating oil lines - non conductive
Construction:	Hytrel / Polymer tube, with Kevlar reinforcement, fire resistant Polymer cover with Kevlar reinforcement
Cover:	Orange polyurethan
Temperature:	-40°C – +100°C
Couplings:	3-series



Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight kgs. 100 m
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
R8-04N	1/4"	6,4	12,9	20000	1380	5000	345	50	0,095
R8-06N	3/8"	9,5	16,8	16000	1140	4000	280	80	0,135
R8-08N	1/2"	12,7	20,5	14000	966	3500	245	95	0,23
R8-10N	5/8"	16,0	24,5	11300	780	2830	195	130	-
R8-12N	3/4"	19,1	27,5	9000	631	2250	160	185	0,26
R8-16N	1"	25,1	34,7	8270	570	2060	140	230	0,36

T9 Teflon / PTFE hose

TECHNICAL SPECIFICATION:

Recommended:	Aggressive fluids and high temperature applications
Construction:	PTFE SMOOTH tube, stainless steel braid
Temperature:	-60°C – +260°C
Couplings:	3-series



Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]		[psi]	[bar]	[psi]	[bar]		
T9-04	1/4	6,5	9,4	11300	780	2800	195	75	0,11
T9-06	3/8	10,3	13,6	8700	600	2200	150	75	0,20
T9-08	1/2	13	16,5	8400	580	2100	145	135	0,24
T9-12	3/4	19,8	23,5	5500	380	1400	95	210	0,37
T9-16	1	24,7	28,0	4000	280	1000	70	260	0,44

VHP

Coupling: Use only VHP Inserts
assembled by Hydra Pipe



INNER TUBE

Polyester elastomer.

REINFORCEMENT

One or two braids of aramid fiber plus one braid of steel wire.

COVER

Polyurethane, black, non pinpricked, white inkjet branding.

APPLICATIONS

Rescue and safety equipment // High pressure systems and pumps // Bolt tensioning tools // Jacking and rerailing equipment.

FEATURES

Combined Aramid Steel braid construction for compact design // Lightweight and flexible // Light bend radii for use on hose reels and in tight environments // Antiabrasion cover.

TEMPERATURE RANGE

-40°C to +100°C (-40°F to +212°F): limited to +70°C (+158°F) for air and water based fluids.

DESCRIPTION

Exceeds the former American Jacking Specifications IJ100 (1/4") - Very High Pressure hose suitable for petroleum or synthetic or water based hydraulic fluids in hydraulic systems - Combined Aramid Steel braid ensures longevity pressure performance and compact design.

VACUUM RATING

0,93 bar; 700 mm Hg|-13,5 psi; 27,5 inch Hg

Hydraulic hose for very high pressure hydraulic applications

APPLICATIONS



VHP original parts.



Use only VHP inserts and ferrules

STANDARD
OPTIONAL



Twin multilined



Multicolour



04R



04Y



04O



04B



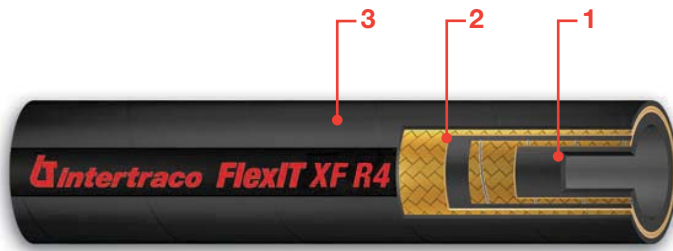
04G

part no.	hose size		ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	std	A316L
VHP-04	1/4"	DN6	6,60	0,260	12,70	0,500	700	10000	2800	40000	4:1	35	1,38	180	0,121	SAF121	SAF821
VHP-06	3/8"	DN10	9,80	0,386	18,70	0,736	700	10000	2800	40000	4:1	90	3,54	330	0,222	SAF141	SAF841

FXR4

HALF BEND RADIUS - SAE100 R4

Coupling: NO-SKIVE 3-SERIE



Construction

- 1 - Synthetic rubber tube;
- 2 - Helical wire between an inner and an outer textile braid;
- 3 - Synthetic rubber cover, MSHA flame retardant approved.

High flexibility. Half bend radius;

Application

Suction and return lines;
Hydraulic oils, both mineral and biological;
Polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +100°C (-40°F to +212°F);
Polyglycol base oils, water-oil emulsions and water:
up to +85°C (+185°F).

HOSE TYPE	Ø HOSE			MAX OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[bar]	[inHg]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
FXR4-12	19	3/4"	12	29	1,142	0,8	28	21	300	84	1200	50	1,97	0,52	0,35
FXR4-16	25	1"	16	35	1,378	0,8	28	17	250	68	1000	65	2,56	0,64	0,43
FXR4-20	31	1.1/4"	20	42	1,653	0,8	28	14	200	56	800	85	3,35	0,82	0,55
FXR4-24	38	1.1/2"	24	49	1,929	0,8	28	10	150	40	600	95	3,74	1,07	0,72
FXR4-32	51	2"	32	62	2,441	0,8	28	7	100	28	400	135	5,31	1,54	1,04
FXR4-40	63	2.1/2"	40	76	2,992	0,8	28	4	70	16	250	180	7,09	2,02	1,36
FXR4-48	76	3"	48	89	3,504	0,8	28	4	70	16	250	225	8,86	2,50	1,69
FXR4-64	102	4"	64	115	4,527	0,8	28	2	35	8	140	390	15,35	3,63	2,45

Cleanmaster™

High Pressure Cleaner Hoses



Coupling: 1-piece M-SERIE

No-Skive 3-SERIE

RECOMMENDED FOR	Use on pressure cleaning equipment. Specially compounded to handle high pressure water service.
TUBE	Type C (Nitrile), black.
REINFORCEMENT	One or two braid of high tensile steel wire.
COVER	C2 (Modified Nitrile). Smooth , available in black, blue (B) and grey (G). Blue and grey covers are nonmarking.
TEMPERATURE RANGE	-40 to + 121°C
BRANDING	GATES® CLEAN MASTER™ PRESSURE WASH (2500-5000) NOT FOR STEAM SERVICE MADE IN U.S.A.

Part No	Hose bore		Hose O.D [mm]	Min. burst pressure		Max. working pressure		Min. bend radius [mm]	Weight [kg/m]
	[inch]	[mm]			[bar]		[bar]		
1CM-04	1/4"	6	13,5		900		240	100	0,23
1CM-05	5/16"	8	15,1		1000		250	130	0,23
1CM-06	3/8"	10	17,2		840		210	130	0,33
1CM-08	1/2"	12	20,3		640		175	180	0,43
2CM-05	5/16"	8	16,3		1320		350	130	0,40
2CM-06	3/8"	10	18,8		1320		350	130	0,52
2SM-08	1/2"	12	21,8		1100		280	180	0,62

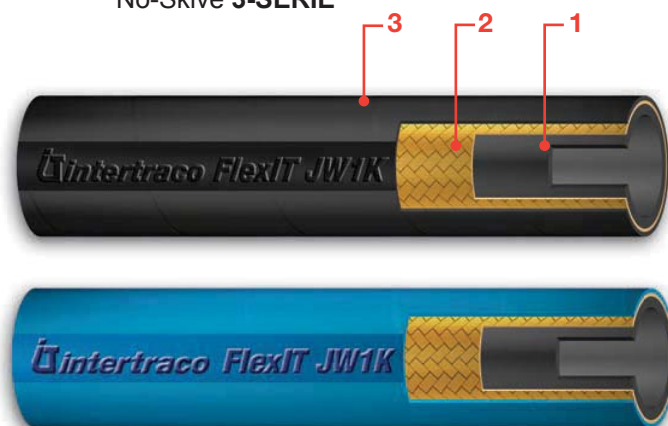
*Add B for Blue Cover, G for Grey Cover

JW1K

1-Wire JETWASH HOSE

Coupling: 1-piece M-SERIE

No-Skive 3-SERIE



Construction

- 1 - Synthetic rubber tube;
- 2 - One high tensile steel wire braid;
- 3 - **Smooth** synthetic rubber cover
black or blue pin pricked

Application

Medium pressure cleaning application with hot water;

Temperature range

-40°C to +150°C (-40°F to +300°F);

HOSE TYPE	Ø HOSE			MEDIUM REINFORCEMENT DIAMETER		OUTSIDE DIAMETER		WORKING PRESSURE		BURST PRESSURE		BEND RADIUS		WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
JW1K-04	6	1/4"	04	10,4	0,409	12,2	0,480	250	3600	1000	14500	75	2,95	0,18	0,12
JW1KB-04			04	10,4	0,409	12,2	0,480	250	3600	1000	14500	75	2,95	0,18	0,12
JW1K-05	8	5/16"	05	11,5	0,453	13,6	0,535	250	3600	1000	14500	85	3,35	0,22	0,15
JW1KB-05			05	11,5	0,453	13,6	0,535	250	3600	1000	14500	85	3,35	0,22	0,15
JW1K-06	10	3/8"	06	13,6	0,535	15,5	0,610	250	3600	1000	14500	90	3,54	0,26	0,17
JW1KB-06			06	13,6	0,535	15,5	0,610	250	3600	1000	14500	90	3,54	0,26	0,17
JW1K-08	12	1/2"	08	17,0	0,669	19,0	0,748	250	3600	1000	14500	130	5,12	0,35	0,23
JW1KB-08			08	17,0	0,669	19,0	0,748	250	3600	1000	14500	130	5,12	0,35	0,23

B= BLUE color cover

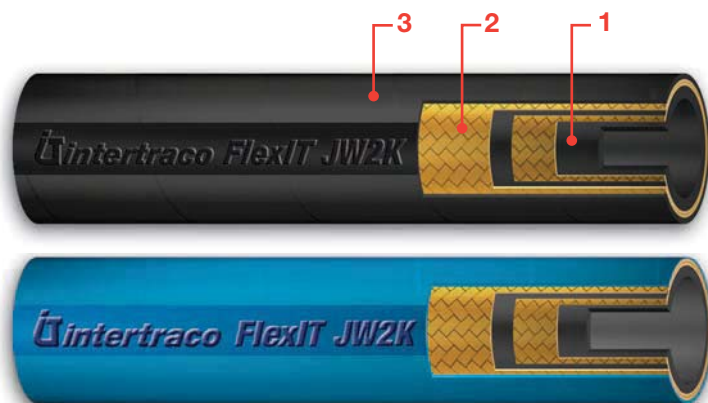
JW2K

High Pressure Cleaner Hoses

2-Wire JETWASH HOSE

Coupling: 1-piece M-SERIE

No-Skive 3-SERIE



Construction

- 1 - Synthetic rubber tube;
- 2 - Two high tensile steel wire braid;
- 3 - **Smooth** synthetic rubber cover (black or blue) pin pricked

Application

Medium pressure cleaning application with hot water;

Temperature range

-40°C to +150°C (-40°F to +300°F);

HOSE TYPE	HOSE			MEDIUM DIAMETER		OUTSIDE DIAMETER		WORKING		BURST		BEND		WEIGHT	
	DN	NCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
JW2K-04	6	1/4"	04	11,3	0,445	13,4	0,528	400	5800	1600	23200	75	2,95	0,29	0,19
JW2KB-04															
JW2K-05	8	5/16"	05	12,9	0,508	15,0	0,591	400	5800	1600	23200	85	3,35	0,34	0,23
JW2KB-05															
JW2K-06	10	3/8"	06	15,0	0,591	17,1	0,673	400	5800	1600	23200	90	3,54	0,42	0,28
JW2KB-06															
JW2K-08	12	1/2"	08	18,6	0,732	20,7	0,815	400	5800	1600	23200	130	5,12	0,58	0,39
JW2KB-08															

B= BLUE color cover

TEKNOJET TEKNOJET PLUS

High Pressure Cleaner Hoses

High Pressure Hose Cleaner Hose

Coupling: NO-SKIVE 3-SERIE



Colours   

**OPERATING
TEMPERATURE RANGE:**
-10° C / + 135° C
with peak of +150°C

QUALIFIED FLUIDS:
water and detergents

TUBE:
water resistant
synthetic rubber

REINFORCEMENT:
two high tensile steel
braids.

COVER:
black, grey or blue
environment
resistant synthetic
rubber.

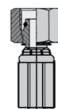
Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
2SCW-04	6	1/4"	6,4	0,44	11,3	0,52	13,3	5800	400	23200	1600	2,95	75	0,20	0,300
2SCW-05	8	5/16"	7,9	0,51	12,9	0,59	14,9	5800	400	23200	1600	3,35	85	0,24	0,355
2SCW-06	10	3/8"	9,5	0,59	15,0	0,67	17,0	5800	400	23200	1600	3,54	90	0,29	0,425
2SCW-08	12	1/2"	12,8	0,72	18,4	0,80	20,4	4350	300	17400	1200	5,12	130	0,36	0,530
2SNW-04	6	1/4"	6,4	0,50	12,6	0,57	14,6	8700	600	21750	1500	3,94	100	0,25	0,365
2SNW-05	8	5/16"	8,0	0,56	14,3	0,64	16,3	8700	600	21750	1500	4,53	115	0,29	0,435
2SNW-06	10	3/8"	9,5	0,66	16,7	0,74	18,7	8700	600	21750	1500	5,12	130	0,36	0,530

Note:

Add **B** for Blue colour (2SW-05B) or **G** for Grey colour (2SW-05G)

Hydra Pipe Part No	Coupling type	Size	Design	Hose preparation
M3...	M-serie	-04 to -20	MegaCrimp 1-piece	No-Skive
GS3...	GSP-serie	-24 and -32	2-piece	No-Skive
GS5...	GS-serie	-06 to -24	2-piece	No-Skive
GSM5...	GSM-serie	-24 and -32	1-piece	No-Skive
3...	3-serie	-04 to -32	2-piece	No-Skive / Skive
5...	5-serie	-12 to -32	2-piece Interlock	Double-Skive

Couplings for Gates 1-2 wire braided hoses



Hose	M-SERIE MegaCrimp COUPLING		3-SERIE COUPLING	
Part.No	Ferrule	Hose preparation	Ferrule	Hose preparation
G1-04	1-PC	no-skive	399-04	no-skive
G1-05	1-PC	no-skive	399-05	no-skive
G1-06	1-PC	no-skive	399-06	no-skive
G1-08	1-PC	no-skive	399-08	no-skive
G1-10	1-PC	no-skive	399-10	no-skive
G1-12	1-PC	no-skive	399-12	no-skive
G1-16	1-PC	no-skive	399-16	no-skive
G1-20	1-PC	no-skive	399-20	no-skive
G1-24			399-24	no-skive
G1-32			399-32	no-skive

	Ferrule	Hose preparation	Ferrule	Hose preparation
G2-04	1-PC	no-skive	399-04	no-skive
G2-05	1-PC	no-skive	399-05	no-skive
G2-06	1-PC	no-skive	399-06	no-skive
G2-08	1-PC	no-skive	399-08	no-skive
G2-10	1-PC	no-skive	399-10	no-skive
G2-12	1-PC	no-skive	399-12	no-skive
G2-16	1-PC	no-skive	399-16	no-skive
G2-20	1-PC	no-skive	399-20	no-skive
G2-24			399-24	no-skive
G2-32			399-32	no-skive

	Ferrule	Hose preparation	Ferrule	Hose preparation
M3K-04	1-PC	no-skive	399-04	no-skive
M3K-05	1-PC	no-skive	399-05	no-skive
M3K-06	1-PC	no-skive	399-06	no-skive
M3K-08	1-PC	no-skive	399-08	no-skive
M3K-10	1-PC	no-skive	399-10	no-skive
M3K-12	1-PC	no-skive	399-12	no-skive
M3K-16	1-PC	no-skive	399-16	no-skive

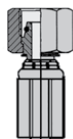
	Ferrule	Hose preparation	Ferrule	Hose preparation
M4K-04	1-PC	no-skive	399-04	no-skive
M4K-05	1-PC	no-skive	399-05	no-skive
M4K-06	1-PC	no-skive	399-06	no-skive
M4K-08	1-PC	no-skive	399-08	no-skive
M4K-10	1-PC	no-skive	399-10	no-skive
M4K-12	1-PC	no-skive	399-12	no-skive

	Ferrule	Hose preparation	Ferrule	Hose preparation
M5K-04	1-PC	no-skive	399-04	no-skive
M5K-05	1-PC	no-skive	399-05	no-skive
M5K-06	1-PC	no-skive	399-06	no-skive
M5K-08	1-PC	no-skive	399-08	no-skive

	Ferrule	Hose preparation	Ferrule	Hose preparation
M6K-04	1-PC	no-skive	399-04	no-skive

Coupling types

Couplings for Gates 1-2 wire braided hoses



Hose Part.No	M-SERIE MegaCrimp COUPLING		3-SERIE COUPLING	
	Ferrule	Hose preparation	Ferrule	Hose preparation
CM2T-04	1-PC	no-skive	399-04	no-skive
CM2T-05	1-PC	no-skive	399-05	no-skive
CM2T-06	1-PC	no-skive	399-06	no-skive
CM2T-08	1-PC	no-skive	399-08	no-skive
CM2T-10	1-PC	no-skive	399-10	no-skive
CM2T-12	1-PC	no-skive	399-12	no-skive
CM2T-16	1-PC	no-skive	399-16	no-skive

Couplings for Gates 4-6 spiral hoses

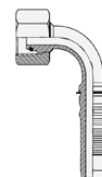


Hose Part.No	GS-GSM-SERIE COUPLING		3-SERIE COUPLING	
	Ferrule	Hose preparation	Ferrule	Hose preparation
G3K-20	GS594-20	no-skive	499-20	no-skive
G3K-24	GS594-24	no-skive	499-24	no-skive
G3K-32	GS594-32	no-skive	499-32	no-skive

GS-GSM-SERIE COUPLING			3-SERIE COUPLING		3-SERIE COUPLING	
G4K-12	GS599-12	no-skive	499-12	non-skive	382-12	outside
G4K-16	GS599-16	no-skive	499-16	non-skive	382-16	outside
G4K-20	GS594-20	no-skive			382-20	outside

GS-GSM-SERIE COUPLING			3-SERIE COUPLING		3-SERIE COUPLING		5-SERIE INTERLOCK	
G5K-08	GS599-08	no-skive	499-08	no-skive	382-08	outside		
G5K-10	GS599-10	no-skive	499-10	no-skive	382-10	outside	594-12	in-outside
G5K-12	GS599-12	no-skive	499-12	no-skive	382-12	outside	594-16	in-outside
G5K-16	GS599-16	no-skive	499-16	no-skive	382-16	outside	596-20	in-outside
G5K-20	GS596-20	no-skive					596-24	in-outside
G5K-24	GSM5..	no-skive					596-32	in-outside
G5K-32	GSM5..	no-skive						

GS-GSM-SERIE COUPLING			3-SERIE COUPLING		3-SERIE COUPLING		5-SERIE INTERLOCK	
G6K-06	GS599-06	no-skive	499-06	no-skive	382-06	outside		
G6K-08	GS599-08	no-skive	499-08	no-skive	382-08	outside	594-12	in-outside
G6K-10	GS599-10	no-skive	499-10	no-skive	382-10	outside	594-16	in-outside
G6K-12	GS599-12	no-skive	499-12	no-skive	382-12	outside	596-20	in-outside
G6K-16	GS599-16	no-skive	499-16	no-skive	382-16	outside	596-24	in-outside
G6K-20	GS596-20	no-skive					596-32	in-outside
G6K-24	GSM5..	no-skive						
G6K-32	GSM5..	no-skive						





GSM COUPLINGS FOR 6-WIRE SPIRAL HYDRAULIC HOSE

GlobalSpiral Maximum (GSM) 1-pcs. NO-SKIVE

2)

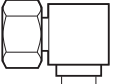
GS COUPLINGS FOR 4-6 WIRE SPIRAL HYDRAULIC HOSE

GlobalSpiral (GS) 2-pcs. NO-SKIVE

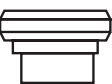
M MegaCrimp® COUPLINGS 1-2 WIRE, TEXTILE HOSE

MegaCrimp (M) COUPLINGS 1-pcs. NO-SKIVE

EXPLANATION OF COUPLING NOMENCLATURE

4	G	6	F	BSP	OR	X	45	BL
								
Hose inside diameter in 1/16 inches	GATES GLOBAL REFERENCE MegaCrimp® Coupling	Thread size	Male / female	Type (e.g. BSP)	Soft seal 'O' ring	Swivel	Degree of bend (e.g. 45° or 90°)	Compact 90° block
Termination type								

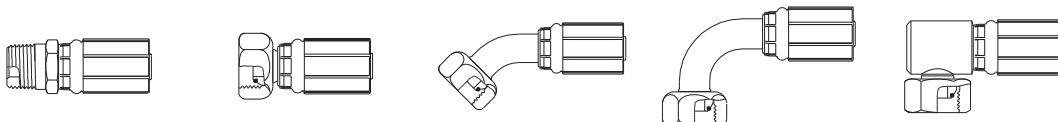
EXPLANATION OF SYMBOLS

Thread	SAE flange size	Banjo bolt size	Coupling
			

MegaCrimp (M) 1-pcs. NO-SKIVE

M6K, M5K, M4K, M3K, CM2T, G2 (-04:-16), G1 (-04:-20), R8, R7, G3H (-04:-10), GTH, GMV (-04:-20), M4KH, M4KL, M3KH, G2XH (-04:-20), G2H (-20), G2L (-04:-20), G1H (-04:-20), MegaTech (-04:-20), 2JC, 1JC, Cleanmaster,

BSP



M310 BSP MBSPT

M301 BSP FBSPORX

M304 BSP FBSPORX45

M304 BSP FBSPORX90

M305 BSP FBSPORX90BL

BSP



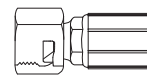
M302 BSP MBSPP

BSP MBSPPBKHD

M301 BSP FBFFX

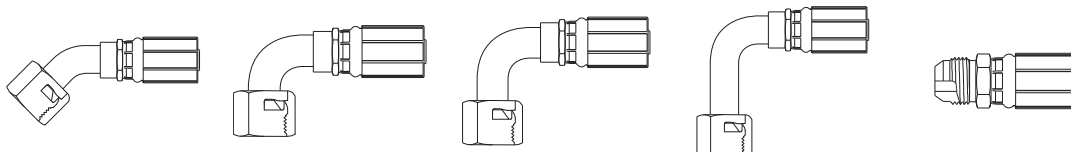
M900 BSP BSPBJ

JIC



M313 JIC 37° FJX

JIC



M317 JIC 37° FJX45

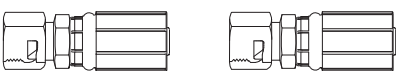
M316S JIC 37° FJX90S

M316 JIC 37° FJX90M

M316L JIC 37° FJX90L

M314 JIC 37° MJ

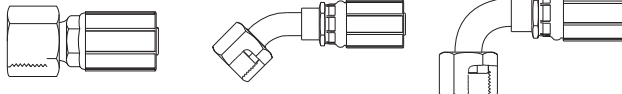
JIS



M712 JIS FJISX

M335K JIS FKX

SAE/ORFS

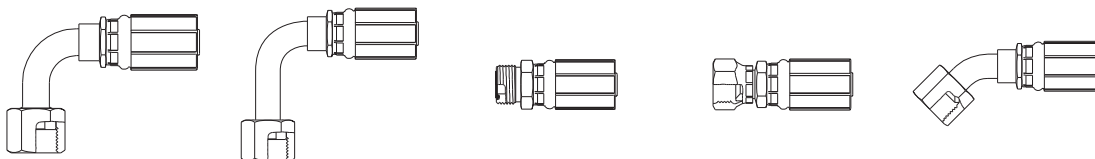


M361 SAE FFORX

M362 SAE FFORX45

M363S SAE FFORX90S

SAE/ORFS



M363 SAE FFORX90M

M363L SAE FFORX90L

M360 SAE MFFOR

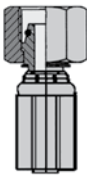
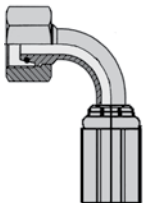
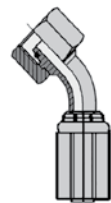
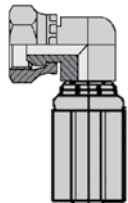
SAE 45° FSX

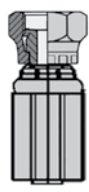
SAE 45° FSX45

Coupling types

MegaCrimp®

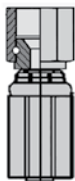
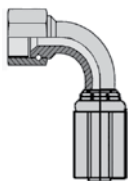
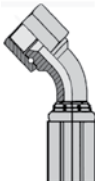
(M3..) 1-pcs. NO-SKIVE

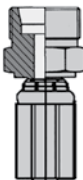
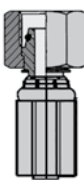
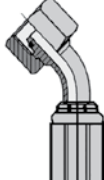
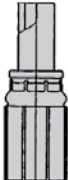
BSP 60° cone						
Part No	Conn.	Hose Dia.	M301-	M303-	M304-	M305-
			BSP O-RING	90° BSP O-RING	45° BSP O-RING	90° BSP compact
02-04	1/8"	1/4"				
04-04	1/4"	1/4"				
06-04	3/8"	1/4"				
04-06	1/4"	3/8"				
06-06	3/8"	3/8"				
08-06	1/2"	3/8"				
06-08	3/8"	1/2"				
08-08	1/2"	1/2"				
12-08	3/4"	1/2"				
10-10	5/8"	5/8"				
12-10	3/4"	5/8"				
12-12	3/4"	3/4"				
16-16	1"	1"				
20-20	1 1/4"	1 1/4"				

BSP/NPT							
Part No	Conn.	Hose Dia.	M302-	M920-	M310-	M900-	M311-
			BSPP male	Female flat face	BSPT taper	Banjo BSP	NPT Male
02-04	1/8"	1/4"					
04-04	1/4"	1/4"					
06-04	3/8"	1/4"					
04-06	1/4"	3/8"					
06-06	3/8"	3/8"					
08-06	1/2"	3/8"					
06-08	3/8"	1/2"					
08-08	1/2"	1/2"					
12-08	3/4"	1/2"					
10-10	5/8"	5/8"					
12-10	3/4"	5/8"					
12-12	3/4"	3/4"					
16-16	1"	1"					
20-20	1 1/4"	1 1/4"					

MegaCrimp®

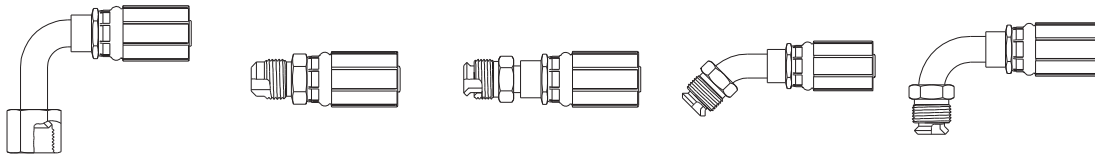
(M3..) 1-pcs. NO-SKIVE

JIC 37° cone						
Part No	Conn.	Hose Dia.	M313- Straight Female	M316- 90° Female	M317- 45° Female	M314- Straight Male
07-04	7/16-20	1/4"				
08-04	1/2-20	1/4"				
09-04	9/16-18	1/4"				
09-06	9/16-18	3/8"				
12-06	3/4-16	3/8"				
12-08	3/4-16	1/2"				
14-08	7/8-14	1/2"				
14-10	7/8-14	5/8"				
17-10	1 1/16-12	5/8"				
17-12	1 1/16-12	3/4"				
19-12	1 3/16-12	3/4"				
21-12	1 5/16-12	3/4"				
21-16	1 5/16-12	1"				
26-16	1 5/8-12	1"				
26-20	1 5/8-12	1 1/4"				

SKL/DKOL/Metric L - Standpipe								
Part No	Pipe Dia.	Conn.	Hose Dia.	M320- SKL Male	M333- DKOL Female	M334- DKOL 90°	M335- DKOL 45°	M339- Standpipe
06-04	6	12 x 1,5	1/4"					
08-04	8	14 x 1,5	1/4"					
10-04	10	16 x 1,5	1/4"					
10-06	10	16 x 1,5	3/8"					
12-06	12	18 x 1,5	3/8"					
15-08	15	22 x 1,5	1/2"					
18-08	18	26 x 1,5	1/2"					
18-10	18	26 x 1,5	5/8"					
22-12	22	30 x 2,0	3/4"					
28-16	28	36 x 2,0	1"					
35-20	35	45 x 2,0	1 1/4"					

MegaCrimp (M) 1-pcs. NO-SKIVE

SAE



SAE 45° FSX90

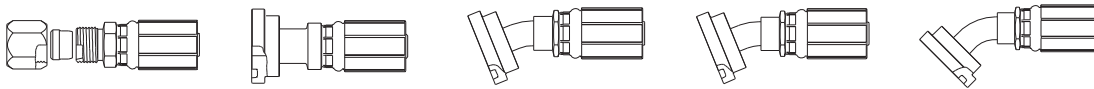
SAE 45° MS

SAE 45° MIX

SAE 45° MIX45

SAE 45° MIX90

SAE



SAE 24° MFA

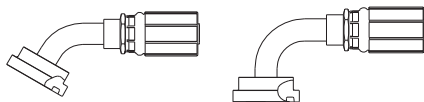
M343 SAE300 FL

M340 SAE3000 FL22

M341 SAE3000 FL30

M345 SAE30000 FL45

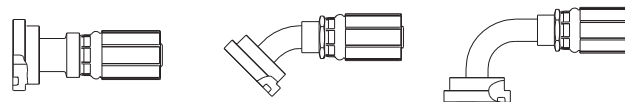
SAE



M343 SAE3000 FL60

M344 SAE3000 FL90

KOMATSU

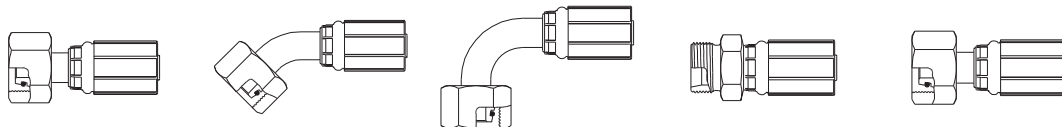


M553 FLK

M555 FLK45

M554 FLK90

DIN



M333 DIN 24° FDLORX

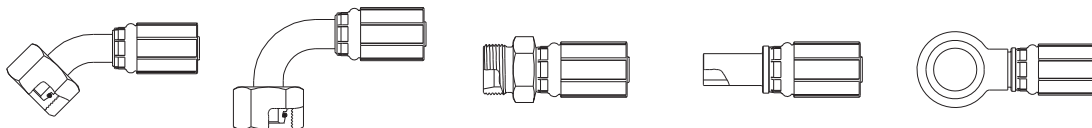
M335 DIN 24° FDLORX45

M334 DIN 24° FDLORX90

M320 DIN 24° MDL

M336 DIN 24° FDHORX

DIN



M338 DIN 24° FDHORX45

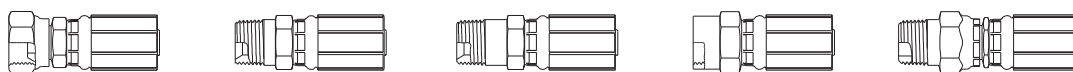
M337 DIN 24° FDHORX90

M323 DIN 24° MDH

M339 METRIC MSP

M901 METRIC DBJ

NPTF



NPTF FPX

M311 NPTF MP

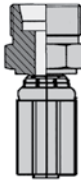
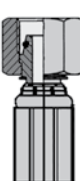
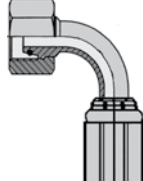
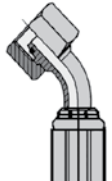
NPTF MPLN

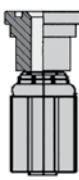
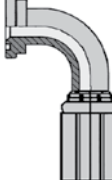
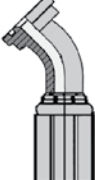
NPTF FP

NPTF MPX

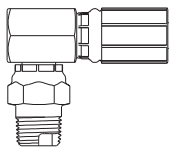
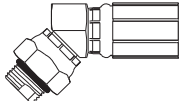
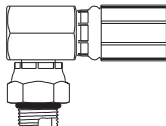
MegaCrimp®

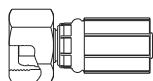
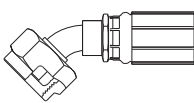
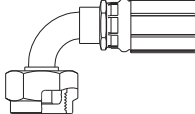
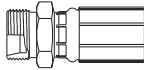
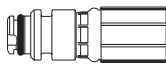
(M3..) 1-pcs. NO-SKIVE

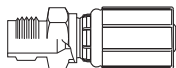
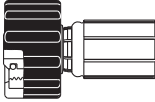
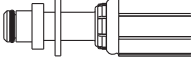
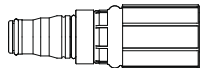
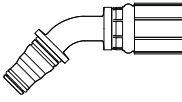
SKS/DKOS/Metric S							
Part No	Pipe Dia.	Conn.	Hose Dia.	G323-	G336-	G337-	G338-
06-04	6	14 x 1,5	1/4"	SKS Male	DKOS Female	DKOS 90°	DKOS 45°
08-04	8	16 x 1,5	1/4"				
10-04	10	18 x 1,5	1/4"				
10-06	10	18 x 1,5	3/8"				
12-06	12	20 x 1,5	3/8"				
14-06	14	22 x 1,5	3/8"				
16-06	16	24 x 1,5	3/8"				
16-08	16	24 x 1,5	1/2"				
20-10	20	30 x 2,0	5/8"				
20-12	20	30 x 2,0	3/4"				
25-12	25	36 x 2,0	3/4"				
25-16	25	36 x 2,0	1"				
30-16	30	42 x 2,0	1"				
38-20	38	52 x 2,0	1 1/4"				

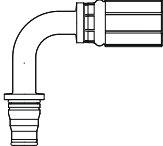
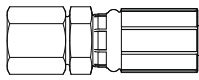
SAE Code 61 3000 psi						
Part No	Conn.	Hose Dia.	G343- Straight SAE	G344- 90° SAE Flange	G345- 45° SAE Flange	943- Splitflange
08-08	1/2"	1/2"				
12-12	3/4"	3/4"				
16-12	1"	3/4"				
16-16	1"	1"				
20-16	1 1/4"	1"				
20-20	1 1/4"	1 1/4"				
24-20	1 1/2"	1 1/4"				
24-24*	1 1/2"	1 1/2"				

Gates MegaCrimp (M) 1-pcs. NO-SKIVE

NPTF		UNF			
					
NPTF MPX90		UNF MB	UNF MBX	UNF MBX45	UNF MBX90

FRENCH GAZ				PRESS-LOK
				
M371 FG FFGX	M372 FG FFGX45	M373 FG FFGX90	FG MFG	PL

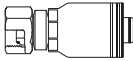
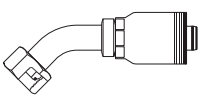
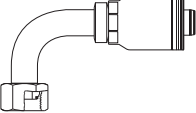
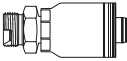
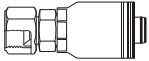
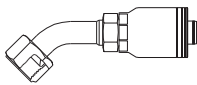
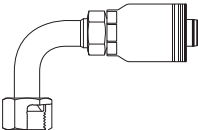
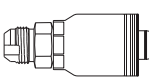
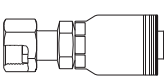
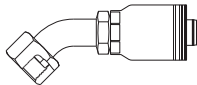
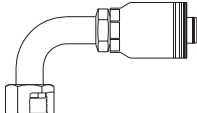
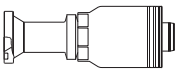
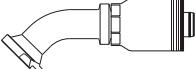
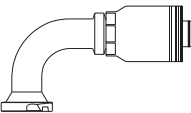
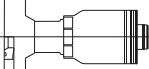
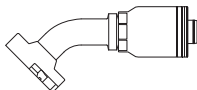
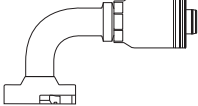
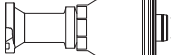
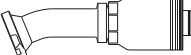
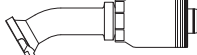
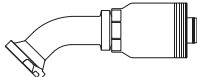
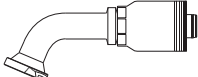
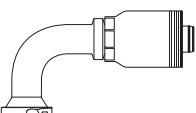
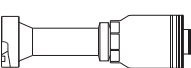
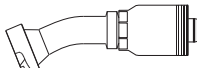
AGRICULTURAL VALVE	POWERWASH / KÆRCHER		QUICK-LOK HIGH	
				
AV	M330 POWERWASH FPWX	POWERWASH PWSP	MQLH	MQLH45

QUICK-LOK HIGH	
	
MQLH90	FQLH

GSM COUPLINGS FOR 6-WIRE SPIRAL HYDRAULIC HOSE

GlobalSpiral Maximum (GSM) 1-pcs. NO-SKIVE

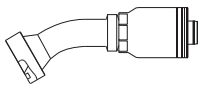
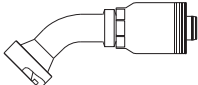
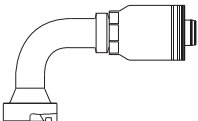
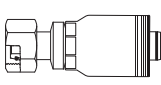
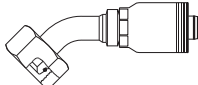
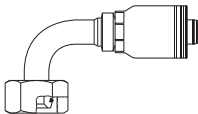
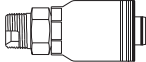
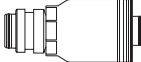
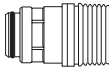
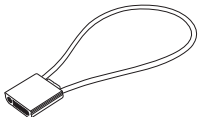
EFG6K (-24:-32), EFG5K (-24:-32)

BSP				JIC
				
GSM501 BSP FBSPORX	GSM504 BSP FBSPORX45	GSM503 BSP FBSPORX90	GS502 BSP MBSP	GSM513 JIC 37° FJX
JIC			SAE/ ORFS	
				
GSM 517 JIC 37° FJX45	GSM516 JIC 37° FJX90	GSM514 JIC 37° MJ	GSM561 SAE FFORX	GSM562 SAE FFORX45
SAE/ ORFS		SAE		
				
GSM563 SAE FFORX90	GSM543 SAE3000 FL	GSM545 SAE3000 FL45	GSM544 SAE3000 FL90	SAE FLHCFM
SAE				
				
SAE FLHCFM45	SAE FLHCFM90	GSM546 SAE6000 FLH	GSM540 SAE6000 FLH22	GSM541 SAE6000 FLH30
SAE			CATERPILLAR	
				
GSM548 SAE6000 FLH45	GSM552 SAE6000 FLH60	GSM547 SAE6000 FLH90	GSM583 FLC	GSM586 FLC22



GlobalSpiral Maximum (GSM) 1-pcs. NO-SKIVE

EFG6K (-24:-32), EFG5K (-24:-32)

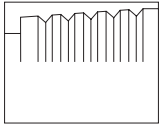
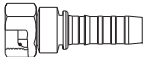
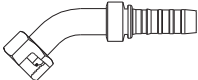
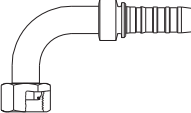
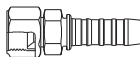
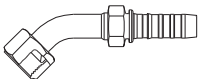
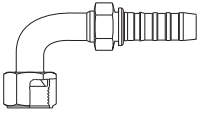
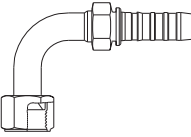
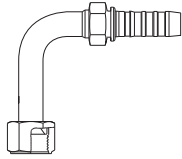
CATERPILLAR			DIN	
				
GSM587 FLC30	GSM585 FLC45	GSM584 FLC90	GS536 DIN 24° FDHORX	GS538 DIN 24° FDHORX45
DIN	NPTF	PRESS-LOK SUPER	iLOK™	
				
GS537 DIN 24° FDHORX90	GSM511 NPTF MP	PLSOR	iLOK™ FILOR	iLOK™ MILX
iLOK™				
				
PLSOR to iLOK™	iCL			



GS COUPLINGS FOR 4-6 WIRE SPIRAL HYDRAULIC HOSE

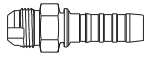
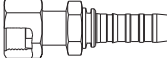
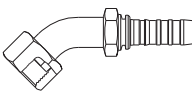
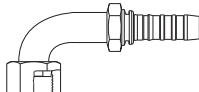
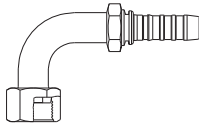
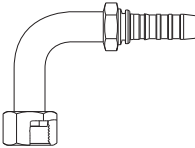
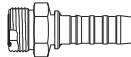
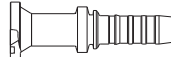
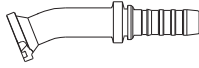
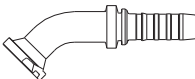
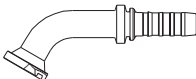
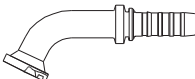
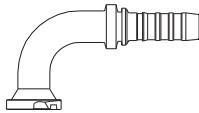
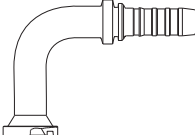
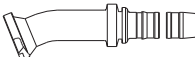
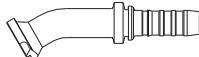
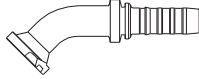
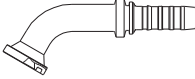
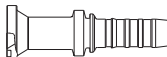
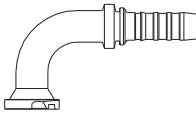
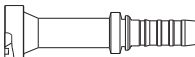
GlobalSpiral (GS) 2-Pcs. NO-SKIVE

EFG6K (-06:-20), EFG5K (-06:-20), EFG4K, EFG3K (-20:-32)

FERRULES	BSP			
				
G599-G594-G596 NO-SKIVE FERRULES	G501 BSP FBSPORX	G504 BSP FBSPORX45	G504 BSP FBSPORX90	G502 BSP MBSP
JIC				
				
G513 JIC 37° FJX	G517 JIC 37° FJX45	G516S JIC 37° FJX90S	G516 JIC 37° FJX90M	G516L JIC 37° FJX90L

GlobalSpiral (GS) 2-Pcs. NO-SKIVE

EFG6K (-06:-20), EFG5K (-06:-20), EFG4K, EFG3K (-20:-32)

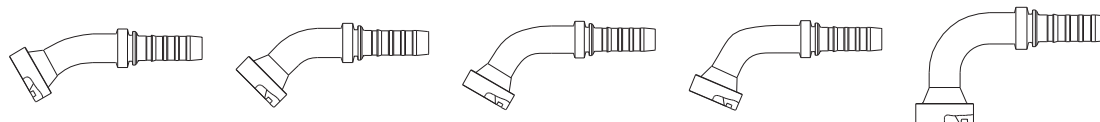
JIC		JIS	SAE/ ORFS		
					
GS514 JIC 37° MJ		JIS FKX	GS561 SAE FF0RX	GS562 SAE FF0RX45	GS563S SAE FF0RX90S
SAE/ORFS			SAE		
					
GS563 SAE FF0RX90M		GS563L SAE FF0RX90L	GS560 SAE MFF0R	GS543 SAE3000 FL	GS540 SAE3000 FL22
SAE					
					
GS541 SAE3000 FL30		GS545 SAE3000 FL45	GS542 SAE 3000 FL60	GS549 SAE3000 FL67	GS544S SAE3000 FL90S
SAE					
					
GS544 SAE3000 FL90M		GS544L SAE3000 FL90L	GS546 SAE6000 FLH	GS550 SAE6000 FLH22	GS551 SAE FLH30
SAE					
					
GS545 SAE6000 FLH45		GS552 SAE6000 FLH60	GS547S SAE6000 FLH90S	GS547 SAE6000 FLH90M	GS547L SAE6000 FLH90L
KOMATSU			CATERPILLAR		
					
GS554 FL		GS555 FLK45	GS554 FLK90	GS583 FLC	
					
				GS586 FLC22	



GlobalSpiral (GS) 2-Pcs. NO-SKIVE

EFG6K (-06:-20), EFG5K (-06:-20), EFG4K, EFG3K (-20:-32)

CATERPILLAR



GS586 FLC30

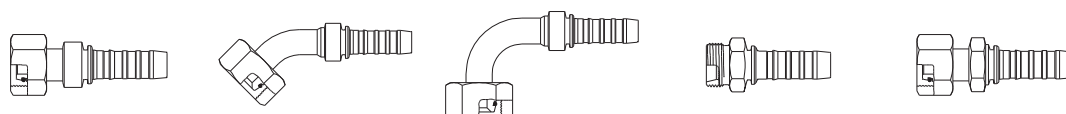
GS585 FLC45

GS585 FLC60

GS589 FLC67

GS584 FLC90

DIN

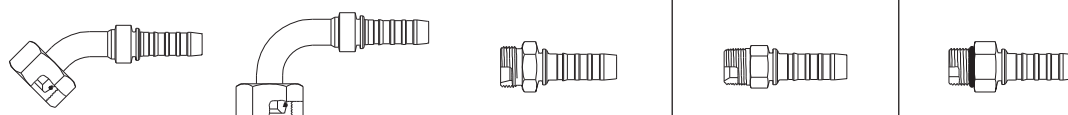


GS533 DIN 24° FDLORX GS535 DIN 24° FDLORX45 GS534 DIN 24° FDLORX90 GS520 DIN 24° MDL GS536 DIN 24° FDHORX

DIN

NPTF

UNF

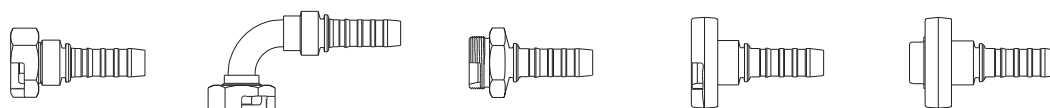


GS538 DIN 24° FDHORX45 GS537 DIN 24° FDHORX90 GS523 DIN 24° MDH

GS511 NPTF MP

UNF MB

FRENCH GAZ



GS571 FG FFGX

GS573 FG FFGX90

FG MFG

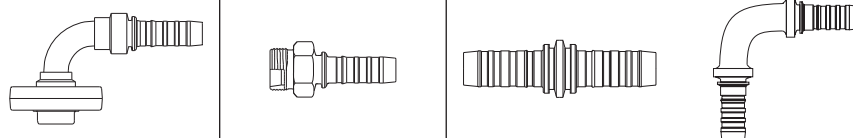
FG FPFL

FG MPFL

FRENCH GAZ

KOBELCO

HOSE LENGTH EXTENDER



FG MPFL90

GS524 KOBELCO MKB

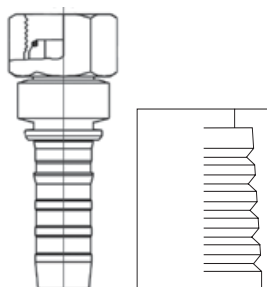
HLE

HLE90

Coupling types

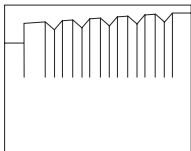
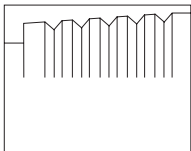
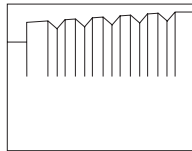
GS-series 2-Piece couplings and GSM-series 1-Piece couplings

(GS5..) 2-pcs. NO-SKIVE

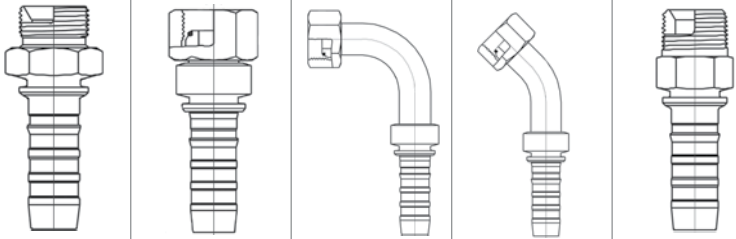


(GSM5..)1-pcs. NO-SKIVE



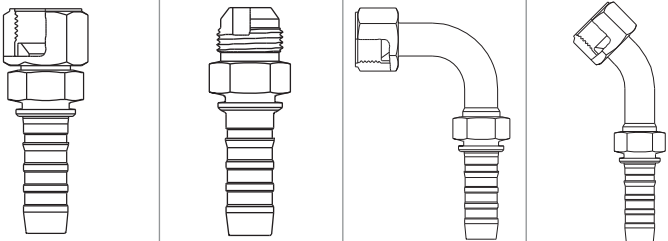
Ferrules GS5..		  		
Part No	Hose Dia.	GS594-	GS596-	GS599-
		G3K-G4K	G5K-G6K	G3K-G4K-G5K-G6K
06	3/8"			X
08	1/2"			X
10	5/8"			X
12	3/4"			X
16	1"			X
20	1 1/4"		X	
24	1 1/2"	X		
32	2"	X		

GS-series 2-Piece couplings and GSM-series 1-Piece couplings

BSP 60° cone							
Part No	Conn.	Hose Dia.	GS502-	GS501-	GS503-	GS504-	GS511-
			BSPP Male	Female O-ring	Female 90° O-ring	Female 45° O-ring	NPT Male
06-06	3/8"	3/8"					
08-08	1/2"	1/2"					
10-10	5/8"	5/8"					
12-12	3/4"	3/4"					
16-16	1"	1"					
20-20	1 1/4"	1 1/4"					
24-24*	1 1/2"	1 1/2"					
32-32*	2"	2"					

*) Sizes -24 and -32 1-piece coupling. Part No starts with GSM5... instead of GS5... for those couplings.

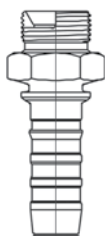
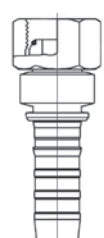
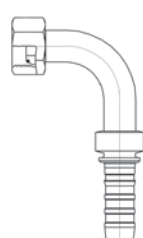
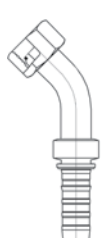


JIC 37° cone						
Part No	Conn.	Hose Dia.	G513- Female straight	G514- Male straight	G516- Female 90°	G517- Female 45°
			ID Code	ID Code	ID Code	ID Code
12-06	3/4"-16	3/8"				
14-08	7/8"-14	1/2"				
17-10	1 1/16"-16	5/8"				
17-12	1 1/16"-12	3/4"				
21-12	1 5/16"-12	3/4"				
21-16	1 5/16"-12	1"				
26-16	1 5/8"-12	1"				
26-20	1 5/8"-12	1 1/4"				
30-24*	1 7/8"-12	1 1/2"				
40-32*	2 1/2"-12	2"				

*) Sizes -24 and -32 new design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings

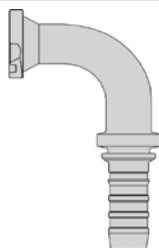
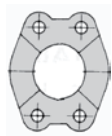


GS-series two piece couplings and GSM-series one piece couplings

DKOS/Metric S							
Part No	Pipe Dia.	Conn.	Hose Dia.	G523-Male straight	G536-Female O-ring	G537-Female 90° O-ring	G538-Female 45° O-ring
12-06	12	20 x 1,5	3/8"				
16-08	16	24 x 1,5	1/2"				
20-10	20	30 x 2	5/8"				
20-12	20	30 x 2	3/4"				
25-12	25	36 x 2	3/4"				
25-16	25	36 x 2	1"				
30-16	30	42 x 2	1"				
38-20	38	52 x 2	1 1/4"				
38-24*	38	52 x 2	1 1/2"				

*) Sizes -24 and -32 new design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings.

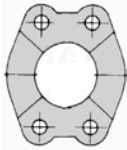


SAE Code 61 3000 psi						
Part No	Hose Dia.	G543-Straight SAE fl.	G544-90° SAE fl.	G545-45° SAE fl.	943-Split flange	945-Monoblock
08-08	1/2"					
12-10	5/8"					
12-12	3/4"					
16-12	3/4"					
16-16	1"					
20-16	1"					
20-20	1 1/4"					
24-20	1 1/4"					
24-24	1 1/2"					
32-24	1 1/2"					

*) Sizes -24 and -32 new design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings.

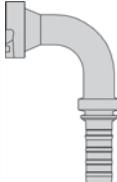


GS-series two piece couplings and GSM-series one piece couplings

SAE Code 62 6000 psi						
Part No	Hose Dia.	G546- Straight SAE fl.	G547- 90° SAE fl.	G548- 45° SAE fl.	944- Split flange	946- Monoblock
08-08	1/2"					
12-10	5/8"					
12-12	3/4"					
16-12	3/4"					
16-16	1"					
20-16	1"					
20-20	1 1/4"					
24-20	1 1/4"					
24-24*	1 1/2"					
32-24*	1 1/2"					
32-32*	2"					
24-32*	2"					

*) Sizes -24 and -32 new design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings.



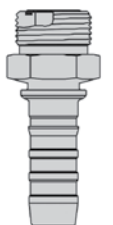
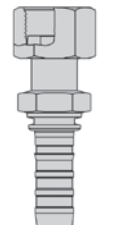
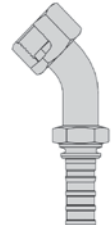
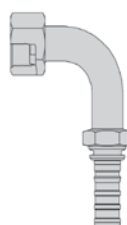
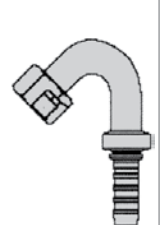
Catepillar style O-ring flange									
Part No	Conn.	Hose Dia.	G583- Straight SAE flange	G586- 22° SAE flange	G587- 30° SAE flange	G585- 45° SAE flange	G588- 60° SAE flange	G589- 67° SAE flange	G584- 90° SAE flange
							ID Code		
12-12	3/4"	3/4"							
12-12L	3/4"	3/4"							
12-12S	3/4"	3/4"							
16-12	1"	3/4"							
16-12S	1"	3/4"							
16-16	1"	1"							
16-16S	1"	1"							
16-16L	1"	1"							
20-16	1 1/4"	1"							
20-20	1 1/4"	1 1/4"							
20-20S	1 1/4"	1 1/4"							
24-20	1 1/2"	1 1/4"							
24-20S	1 1/2"	1 1/4"							
24-24*	1 1/2"	1 1/2"							
32-24*	2"	1 1/2"							
32-32*	2"	2"							

*) Sizes -24 and -32 new design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings. Cat GSM-couplings on request.



GS-series two piece couplings and GSM-series one piece couplings

Komatsu style SAE flange					
Part No	Conn.	Hose Dia.	G553-Straight SAE flange	G555-45° SAE flange	G554-90° SAE flange
10-08	5/8"	1/2"			
10-10	5/8"	5/8"			
10-12	5/8"	3/4"			

ORFS/SAE J1453							
Part No	Conn.	Hose Dia.	G560-Male straight	G561-Female straight	G562-Female 45°	G563-Female 90°	G564-Female 135°
06-06S	11/16"-12UN	3/8"					
06-06L	11/16"-12UN	3/8"					
06-06	11/16"-16UN	3/8"					
08-06	13/16"-12UN	3/8"					
08-08	13/16"-16UN	1/2"					
08-08S	13/16"-12UN	1/2"					
10-08	1"-14UNS	1/2"					
12-08S	13/16"-12UN	1/2"					
12-08	13/16"-12UN	1/2"					
10-10	1"-14UNS	5/8"					
10-10L	1"-14UNS	5/8"					
10-12	1"-14UNS	3/4"					
10-12S	1"-14UNS	3/4"					
12-12S	13/16"-12UN	3/4"					
12-12	13/16"-UN	3/4"					
12-12L	13/16"-12UN	3/4"					
16-12S	17/16"-12UN	3/4"					
16-12	17/16"-12UN	3/4"					
16-16S	17/16"-12UN	1"					
16-16	17/16"-12UN	1"					
16-16L	17/16"-12UN	1"					
20-16S	1.11/16"-12UN	1"					
20-16	1.11/16"-12UN	1"					
20-20S	111/16"-12UN	1 1/4"					
20-20	111/16"-12UN	1 1/4"					
20-20L	111/16"-12UN	1 1/4"					
24-20	2"-12UN	1 1/4"					
24-24	2"-12UN	1 1/2"					

*) Size -24 new design one piece coupling. Part No GSM561-24-24





Ferrule overview 3-Serie (2-Piece)

Hose type	Ferrule	Skive	Non-skive
P1T-04	394-04		x
P1T-06	394-05		x
P1T-06	394-06		x
1SN-04	399-04		x
1SN-05	399-05		x
1SN-06	399-06		x
1SN-08	399-08		x
1SN-10	399-10		x
1SN-12	399-12		x
1SN-16	399-16		x
1SN-20	399-20		x
1SN-24	399-24		x
1SN-32	399-32		x
HT1/H2T-04	399-04		x
HT1/H2T-05	399-05		x
HT1/H2T-06	399-06		x
HT1/H2T-08	399-08		x
HT1/H2T-10	399-10		x
HT1/H2T-12	399-12		x
HT1/H2T-16	399-16		x
HT1/H2T-20	399-20		x
2SN-04	399-04		x
2SN-05	399-05		x
2SN-06	399-06		x
2SN-08	399-08		x
2SN-10	399-10		x
2SN-12	399-12		x
2SN-16	399-16		x
2SN-20	399-20		x
2SN-24	399-24		x
2SN-32	399-32		x
SK216-04	399-04		x
SK216-05	399-05		x
SK216-06	399-06		x
SK216-08	399-08		x
SK216-10	399-10		x
SK216-12	399-12		x
SK216-16	399-16		x
2SC-04	399-04		x
2SC-06	399-06		x
2SC-08	399-08		x
2SC-10	399-10		x
2SC-12	399-12		x
2SC-16	399-16		x
JW1/JW2-04	399-04		x
JW1/JW2-05	399-05		x
JW1/JW2-06	399-06		x
JW1/JW2-08	399-10		x

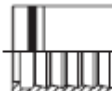
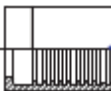
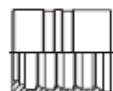
Hose type	Ferrule	Skive	Non-skive
SK117-04	393-04		x
SK117-05	393-05		x
SK117-06	393-06		x
SK117-08	399-08		x
SK142-04	393-04		x
SK142-05	393-05		x
SK142-06	393-06		x
F3T/3SK-04	499-04		x
F3T/3SK-06	499-06		x
F3T/3SK-08	499-08		x
F3T/3SK-10	499-10		x
F3T/3SK-12	499-12		x
F3T/3SK-16	499-16		x
4SP-04	499-04		x
4SP-06	499-06		x
4SP-08	499-08		x
4SP-10	499-10		x
4SP-12	499-12		x
4SP-16	499-16		x
4SP-20	499-20		x
4SP-24	499-24		x
4SP-32	499-32		x
4SH-12	499-12		x
4SH-16	499-16		x
4SH-20	499-20		x
4SH-24	499-24		x
4SH-32	499-32		x
R13/R15-12	499-12		x
R13/R15-16	499-16		x
R13/R15-20	596-20	x	
R13/R15-24	596-24	x	
R13/R15-32	596-24	x	
R7-04	394-04		x
R7-06	394-06		x
R7-08	394-08		x
R7-10	394-10		x
R7-12	394-12		x
R7-16	394-16		x
R8-04	394-04		x
R8-06	394-06		x
R8-08	394-08		x
R8-10	394-10		x
R8-12	394-12		x
R8-16	394-16		x
T9-04	395-04		x
T9-06	395-06		x
T9-08	395-08		x
T9-12	395-12		x
T9-16	395-16		x

Coupling types



3-Serie Couplings (1-4 Wire)

Ferrules

						
Hose dim.	No-Skive Part No	No-Skive Part No	No-Skive Part No	No-Skive Part No	Skive Part No	No-Skive Part No
1/4"	399-04	393-04	394-04	395-04	382-04	
5/16"	399-05	393-05	394-05	395-05	382-05	
3/8"	399-06	393-06	394-06	395-06	382-06	499-06
1/2"	399-08	393-08	394-08	395-08	382-08	499-08
5/8"	399-10		394-10	395-10	382-10	499-10
3/4"	399-12		394-12	395-12	382-12	499-12
1"	399-16		394-16	395-16	382-16	499-16
1 1/4"	399-20				382-20	499-20
1 1/2"	399-24				382-24	499-24
2"	399-32				382-32	499-32

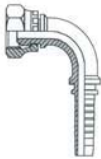
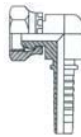
Other dimensions available, contact us for further details

For stainless steel add HP...-316 on all part no. HP399-06-316



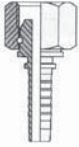
3-Series Couplings (1-4 Wire)

BSP Female

										
			301 Straight female		303 90° female		304 45° female		305 90° compact	
Part No	Conn.	Hose Dia.	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
02-04	1/8"	1/4"								
04-04	1/4"	1/4"								
06-04	3/8"	1/4"								
04-06	1/4"	3/8"								
06-06	3/8"	3/8"								
08-06	1/2"	3/8"								
06-08	3/8"	1/2"								
08-08	1/2"	1/2"								
12-08	3/4"	1/2"								
10-10	5/8"	5/8"								
12-10	3/4"	5/8"								
12-12	3/4"	3/4"								
16-16	1"	1"								
20-20	1 1/4"	1 1/4"								
24-24	1 1/2"	1 1/2"								
32-32	2"	2"								

Other dimensions available, contact us for further details
For stainless steel add HP...-316 on all part no. HP399-06-316

BSP Male Female

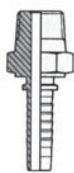
								
			302 Male parallel		307 Female O-ring		920 Female flat face	
Part No	Conn.	Hose Dia.	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
02-04	1/8"	1/4"						
04-04	1/4"	1/4"						
06-04	3/8"	1/4"						
04-06	1/4"	3/8"						
06-06	3/8"	3/8"						
08-06	1/2"	3/8"						
06-08	3/8"	1/2"						
08-08	1/2"	1/2"						
12-08	3/4"	1/2"						
10-10	5/8"	5/8"						
12-10	3/4"	5/8"						
12-12	3/4"	3/4"						
16-16	1"	1"						
20-20	1 1/4"	1 1/4"						
24-24	1 1/2"	1 1/2"						
32-32	2"	2"						

Other dimensions available, contact us for further details
For stainless steel add HP...-316 on all part no. HP399-06-316



3-Serie Couplings (1-4 Wire)

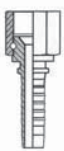
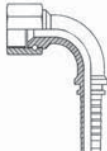
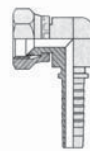
Male **BSP / NPT**

								
			310-BSP Male Taper		900-Banjo BSP		311-NPT Male	
Part No	Conn.	Hose Dia.	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
02-04	1/8"	1/4"						
04-04	1/4"	1/4"						
06-04	3/8"	1/4"						
04-06	1/4"	3/8"						
06-06	3/8"	3/8"						
08-06	1/2"	3/8"						
06-08	3/8"	1/2"						
08-08	1/2"	1/2"						
12-08	3/4"	1/2"						
10-10	5/8"	5/8"						
12-10	3/4"	5/8"						
12-12	3/4"	3/4"						
16-16	1"	1"						
20-20	1 1/4"	1 1/4"						
24-24	1 1/2"	1 1/2"						
32-32	2"	2"						

Other dimensions available, contact us for further details

For stainless steel add HP...-316 on all part no. HP399-06-316

JIC

												
			313-Straight Female		316-90° Female		317-45° Female		314-Straight Male		315-Fem. compact 90°	
Part No	Conn.	Hose Dia.	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
07-04	7/16-20	1/4"										
08-04	1/2-20	1/4"										
09-04	9/16-18	1/4"										
09-06	9/16-18	3/8"										
12-06	3/4-12	3/8"										
12-08	3/4-12	1/2"										
14-08	7/8-14	1/2"										
14-10	7/8-14	5/8"										
17-10	1 1/16-12	5/8"										
17-12	1 1/16-12	3/4"										
19-12	1 3/16-12	3/4"										
21-12	1 5/16-12	3/4"										
21-16	1 5/16-12	1"										
26-16	1 5/8-12	1"										
26-20	1 5/8-12	1 1/4"										
30-24	1 7/8-12	1 1/2"										
40-32	2 1/2-12	2"										

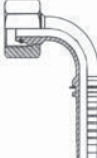
Other dimensions available, contact us for further details

For stainless steel add HP...-316 on all part no. HP399-06-316



3-Series Couplings (1-4 Wire)

DKOL / SKL Metric (L-Serie)

											
				320-Male straight		333-Female O-ring		334-Female 90° O-ring		335-Female 45° O-ring	
Part No	Pipe Dia.	Conn.	Hose Dia.	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
06-04	6	12x1,5	1/4"								
08-04	8	14x1,5	1/4"								
10-04	10	16x1,5	1/4"								
10-06	10	16x1,5	3/8"								
12-06	12	18x1,5	3/8"								
15-08	15	22x1,5	1/2"								
18-08	18	26x1,5	1/2"								
18-10	18	26x1,5	5/8"								
22-12	22	30x2,0	3/4"								
28-16	28	36x2,0	1"								
35-20	35	45x2,0	1 1/4"								
42-24	42	50x2,0	1 1/2"								

Other dimensions available, contact us for further details

For stainless steel add HP...-316 on all part no. HP399-06-316

DKOS / SKS Metric (S-Serie)

											
				323-Male straight		336-Female O-ring		337-Female 90° O-ring		338-Female 45° O-ring	
Part No	Pipe Dia.	Conn.	Hose Dia.	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
08-04	8	16 x 1,5	1/4"								
10-04	10	18 x 1,5	1/4"								
10-06	10	18 x 1,5	3/8"								
12-06	12	20 x 1,5	3/8"								
14-06	14	22 x 1,5	3/8"								
16-06	16	24 x 1,5	3/8"								
16-08	16	24 x 1,5	1/2"								
20-10	20	30 x 2,0	5/8"								
20-12	20	30 x 2,0	3/4"								
25-12	25	36 x 2,0	3/4"								
25-16	25	36 x 2,0	1"								
30-16	30	42 x 2,0	1"								
38-20	38	52 x 2,0	1 1/4"								
38-24	38	52 x 2,0	1 1/2"								

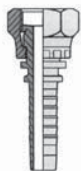
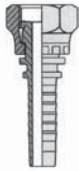
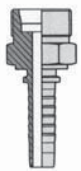
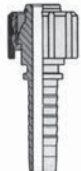
Other dimensions available, contact us for further details

For stainless steel add HP...-316 on all part no. HP399-06-316



3-Serie Couplings (1-4 Wire)

JIS - Komatsu - Banjo - Kobelco - Kærcher

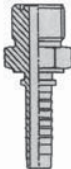
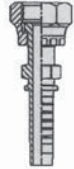
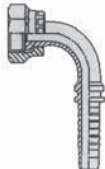
												
			712- JIS Japanese		335- JIS Komatsu		324- Kobelco mm		330- Kærcher		901- Banjo mm	
Part No	Conn.	Hose Dia.										
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
02-04	1/8"	1/4"										
04-04	1/4"	1/4"										
06-04	3/8"	1/4"										
06-06	3/8"	3/8"										
08-06	1/2"	3/8"										
08-08	1/2"	1/2"										
12-12	3/4"	3/4"										
16-16	1"	1"										
20-20	1 1/4"	1 1/4"										
24-24	1 1/2"	1 1/2"										
32-32	2"	2"										
04-04	14 x 1,5	1/4"										
06-06	18 x 1,5	3/8"										
08-08	22 x 1,5	1/2"										
12-12	30 x 1,5	3/4"										
16-16	33 x 2,0	1"										
02-04	10 x 1,0	1/4"										
04-04	12 x 1,5	1/4"										
05-04	14 x 1,5	1/4"										
06-06	16 x 1,5	3/8"										
08-06	18 x 1,5	3/8"										
08-08	18 x 1,5	1/2"										
14-04	22 x 1,5	1/4"										
14-05	22 x 1,5	5/16"										
14-06	22 x 1,5	3/8"										
10-22	30 x 1,5	5/8"										
12-28	36 x 1,5	3/4"										
16-28	36 x 1,5	1"										

For stainless steel add HP-316 on all part no. HP399-06-316



3-Series Couplings (1-4 Wire)

ORFS / SAE Flat Face O-Ring

										
			360-ORFS Male		361-ORFS Female		362-ORFS 45°		363-ORFS 90°	
Part No	Conn.	Hose Dia.								
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
04-04	9/16"-18	1/4"								
06-04	1 1/16"-16	1/4"								
06-05	1 1/16"-16	5/16"								
06-06	1 1/16"-16	3/8"								
08-06	1 3/16"-16	3/8"								
08-08	1 3/16"-16	1/2"								
10-08	1" -14	1/2"								
10-10	1" -14	5/8"								
12-10	1 3/16"-12	5/8"								
12-12	1 3/16"-12	3/4"								
16-12	1 7/16"-12	3/4"								
16-16	1 7/16"-12	1"								

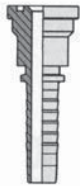
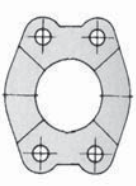
Other dimensions available, contact us for further details

For stainless steel add HP...-316 on all part no. HP399-06-316



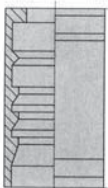
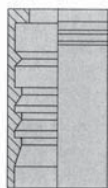
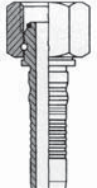
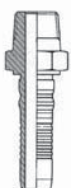
3-Serie Couplings (1-4 Wire)

Code 61- 62 SAE Flange

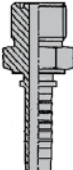
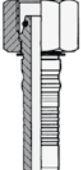
3000 psi SAE Flanges with O-ring												
			343-Straight SAE		344-90° SAE Flange		345-45° SAE Flange		943-Splitflange		945-Monoblock	
Part No	Conn.	Hose Dia.										
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
08-08	1/2"	1/2"										
12-12	3/4"	3/4"										
16-12	1"	3/4"										
16-16	1"	1"										
20-16	1 1/4"	1"										
20-20	1 1/4"	1 1/4"										
24-20	1 1/2"	1 1/4"										
24-24	1 1/2"	1 1/2"										
32-24	2"	1 1/2"										
32-32	2"	2"										
6000 psi			346		347		348		944		946	
08-08	1/2"	1/2"										
12-12	3/4"	3/4"										
16-12	1"	3/4"										
16-16	1"	1"										
20-16	1 1/4"	1"										
20-20	1 1/4"	1 1/4"										
24-20	1 1/2"	1 1/4"										
24-24	1 1/2"	1 1/2"										
32-24	2"	1 1/2"										
32-32	2"	2"										

Other dimensions available, contact us for further details
For stainless steel add HP...-316 on all part no. HP399-06-316

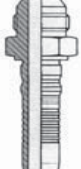
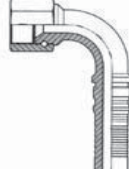
Ferrules - BSP and NPT Couplings

														
			594-4-spiral ferrule		596-6-spiral ferrule		501-Female O-ring		503-90° Fem. O-ring		504-45° Fem. O-ring		511-NPT Male	
Part No	Conn.	Hose Dia.												
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
12-12	3/4"	3/4"												
16-16	1"	1"												
20-20	1 1/4"	1 1/4"												
24-24	1 1/2"	1 1/2"												
32-32	2"	2"												

DKOS / SKS metric

											
				523-Male straight		536-Female O-ring		537-Female 90° O-ring		538-Female 45° O-ring	
Part No	Conn.	Hose		Ste	AISI	Ste		Ste	AISI	Ste	AISI
				el	316	el		el	316	el	316
20-12		30 x 2	3/4"								
25-12		36 x 2	3/4"								
25-16		36 x 2	1"								
30-16		42 x 2	1"								
38-20		52 x 2	1 1/4"								
38-24		52 x 2	1 1/2"								

JIC

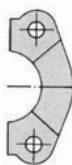
										
			513- Female straight	514- Male straight	516- Female 90°	517- Female 45°				
Part No	Conn.	Hose Dia.	Price RMB/pc							
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
17-12	1 1/16-12	3/4"								
21-16	1 5/16-12	1"								
26-20	1 5/8-12	1 1/4"								
30-24	1 7/8-12	1 1/2"								

Other dimensions available, contact us for further details

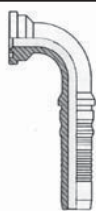
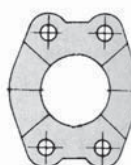
For stainless steel add HP...-316 on all part no. HP594-24-316

Interlock 5-Serie (4-6 Spiral)

Code 61 SAE Flanges

3000 psi SAE Flanges with O-ring												
			543-Straight SAE		544-90° SAE		545-45° SAE		943-Splitflange		945-Monoblock	
Part No	Conn.	Hose Dia.										
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
12-12	3/4"	3/4"										
16-16	1"	1"										
20-16	1 1/4"	1"										
20-20	1 1/4"	1 1/4"										
24-20	1 1/2"	1 1/4"										
24-24	1 1/2"	1 1/2"										
32-24	2"	1 1/2"										
32-32	2"	2"										
24-32	1 1/2"	2"										

Code 62 SAE Flanges

6000 psi SAE Flanges with O-ring												
			546-Straight SAE		547-90° SAE		548-45° SAE		944-Splitflange		946-Monoblock	
Part No	Conn.	Hose Dia.										
			Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316	Steel	AISI 316
12-12	3/4"	3/4"										
16-16	1"	1"										
20-16	1 1/4"	1"										
20-20	1 1/4"	1 1/4"										
24-20	1 1/2"	1 1/4"										
24-24	1 1/2"	1 1/2"										
32-24	2"	1 1/2"										
32-32	2"	2"										
24-32	1 1/2"	2"										

Other dimensions available, contact us for further details
For stainless steel add HP...-316 on all part no. HP594-24-316

Suction Low Pressure Hose Couplings

Big range of suction and low pressure fittings in straight, 45° and 90° design.
In addition special angular positions and customized solutions are available on short notice



Size range: 1" - 4"

Standard designs

- Straight
- Angle 45°
- Angle 90°

Custom made solutions

manufacture of custom made solutions within a short time. Special fittings for your applications may include:

- Deviating angular positions
- Special leg lengths
- Step sizes
- Short nipples for restricted installation space

To be mounted with:

- Ferrules
- Hose clamps
- Clamp mounting

Connection types:

DKOL
BSP, NPT
SAE flanges
DIN flanges Adjustable
gear pump connections
with hole circle (LK 35,
40, 55)

Seals:

O-ring sealing variants
New suction hose
inserts for high tear
prevention and seal
integrity

Heat resistance protection for hoses

Pyrojacket

Application:

Pyrojacket is used to insulate and protect hoses, pipes/tubes and cables in demanding industrial environments.

Hose assemblies are protected in work situations that involve smelting, welding and casting/founding.

The pyro material insulates very hot hoses and tubes/pipes, protecting workers from injuries.

Material:

The pyro product keeps its flexibility and insulating qualities both at extremely high and low temperatures. The Pyrojacket is excellent for usage in smelting plants and offshore.

The protective hose protects hoses and cables against fire and heat, and may for a shorter period of time be exposed to melted

metal and glass, holding temperatures up to 1650°C.

The hose's red silicone rubber cover reduces heat loss if high temperature mediums are transported inside the hose.

TUBE: Fibreglass

COVER: Silicone

REINF: Polyester

TEMP: -65°C + -1650°C



Description	Stand length	I.D. [mm]
Pyrojacket for 1/4" hose	30 m	16
Pyrojacket for 3/8" hose	30 m	19
Pyrojacket for 1/2" hose	30 m	25
Pyrojacket for 3/4" hose	30 m	32
Pyrojacket for 1" hose	30 m	41
Pyrojacket for 1-1/4" hose	30 m	51
Pyrojacket for 1-1/2" hose	30 m	64
Pyrojacket for 2" hose	30 m	76

Pyrotape

Application:

Protective tape for hoses.

Material:

Non-adhesive high bulk glass fiber tape withstands intense heat and flame and sheds molten splash immediately.

Temperature:

Pyrotape withstands continuous exposure to 500°F (260°C), up to 2000°F (1090°C) for 15-20 minutes, and up to 3000°F (1650°C) for 15-30 seconds



Description	Stand length
Pyrotape 25 mm wide	15 m
Pyrotape 51 mm wide	15 m

Pyrosil

Application:

Protective tape for hoses. Prevents leakage.

Material:

A heat resistant silicone rubber tape. The tape forms a non-adhesive, self-bonding, self-curing, liquid-tight insulation barrier.

Temperature:

Pyrosil is designed to withstand continuous exposure to temperatures up to 475°F (246°C).



Description	Stand length
Pyrosil tape 25 mm wide	11 m

Protection spirals for hoses



Protection Spirals

Plastic hose protectors, protect hoses from deterioration and abrasion.

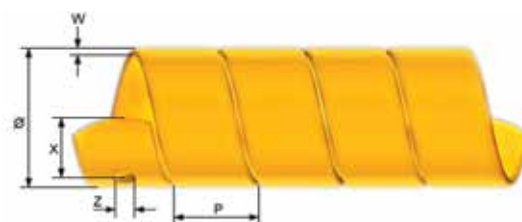
They improve the visibility of hoses and prevent dangerous situations. The protective spirals are easy to install either before or after hose installation.

Spirals are:

- resistant to acids, oils and solvents
- flexible
- UV protected
- made of HD PE plastic
- operative at temperature range -50°C – +100°C.
- recyclable

Nominal o.d. ø mm	Nominal i.d. ø mm	Wall v [mm]	Pitch P [mm]	Distance of hole x mm	10-24Hole dia z 24-28mm28-40	Recommended hose range of use (dia)
12	9,6	1,2	10,5	-	-	-
16	13,4	1,3	12	-	-	13-18
20	10,0	20,0	20	-	-	10-24
25	20,6	2,2	25	-	-	24-28
32	27,0	2,5	30	-	-	28-40
40	34,6	2,7	24	-	-	35-45
50	43,2	3,4	30	-	-	40-55
63	55,6	3,7	37	-	-	55-62
75	66,2	4,4	42	35	10	60-70
90	80,2	4,9	45	35	10	70-90
110	99,0	5,5	50	35	10	80-105
140	127,0	6,5	55	35	10	102-150

Protection spiral for hoses



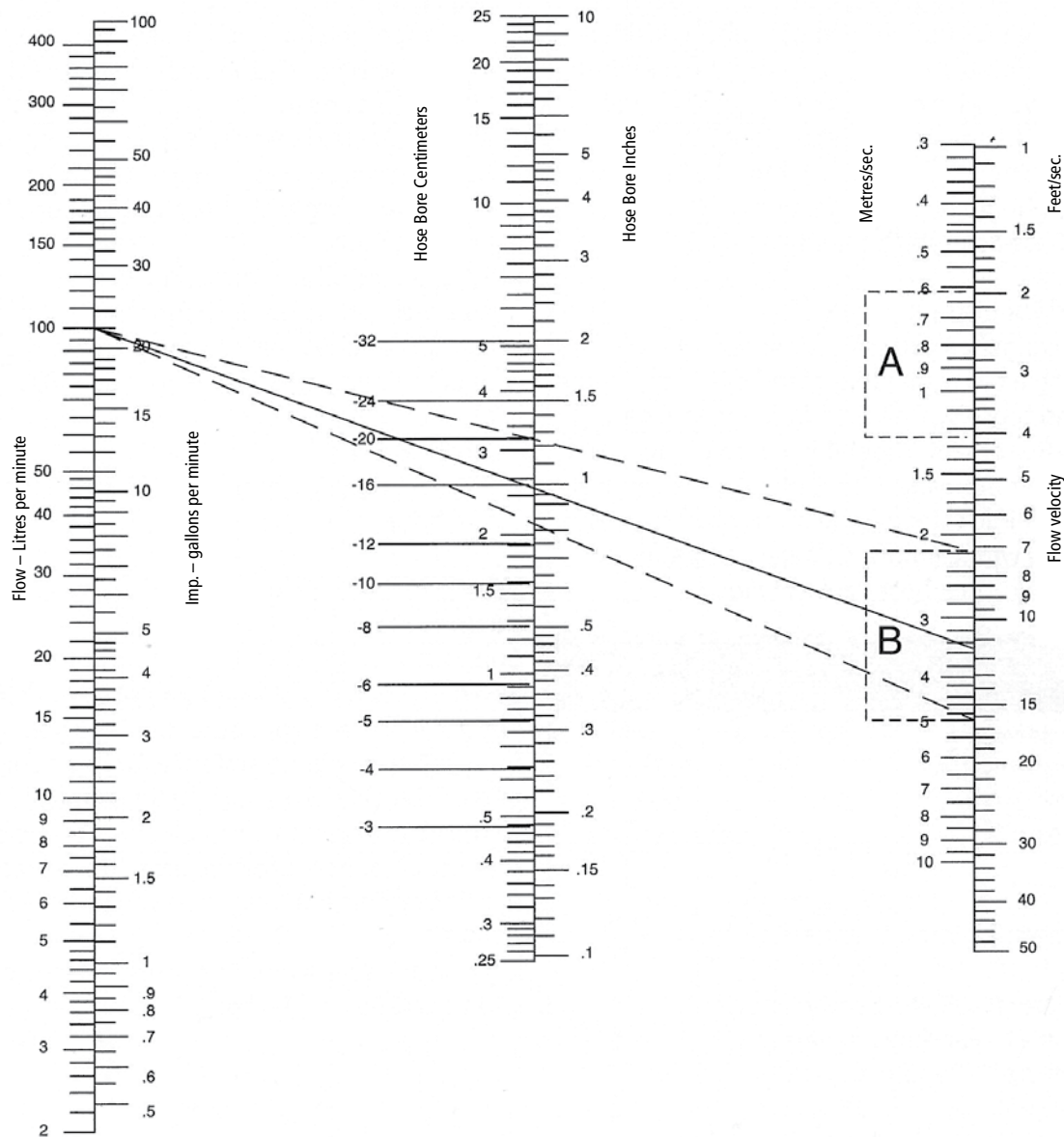
Hose size selection nomogram

To determine the recommended hose assembly size where the flow rate is known, lay a straight edge across the three columns so that the edge registers with the flow rate figure in the left hand scale, and the recommended velocity range in the right hand scale. The point at which the straight edge intersects the centre scale indicates the recommended hose bore size.

Should this reading not coincide with a standard hose assembly bore size, the right hand edge of the straight edge may

be adjusted up or down, within the recommended velocity range, until the straight edge registers with a standard bore size in the centre scale.

Example: Where flow rate is 100 litres per minute and recommended flow velocity is 4.5 metres per second a 25 mm (1 inch) bore size hose assembly is indicated.



Note:
Flow velocities in range A are recommended for suction and return lines.
Flow velocities in range B are recommended for delivery lines.