

High Pressure Hose & Couplings

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Hydraulic Hoses

Working Pressure - Type Approvals

Working Pressures (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
MXT/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/ R13					350	350	350	350	350	350	350
G6K/ R15				420	420	420	420	420	420	420	420
T9 (PTFE)		*224		*183	*161		*103	*80			
R7		190		155	140	105	87	70			
R8		350		280	245	195	162	142			
VHP(10.000PSI)		700		700							

Mininum burst pressure is standard 4 x working pressure, except those marked * which are 3 x working pressure

Type Approvals

Hose type	DNV	GL	LR	MOD	ABS	BV/RINA	MSHA
G1 / 1SN	x	x	x		x		x
G2/ 2SN	x	x	x		x		x
M3-4-5-6K	x	x	x		x		x
SK216	x	x					x
2SC	x	x					
CM2T	x	x	x		x		x
4SP	x	x					x
4SH	x	x	x		x		x
G3K G4K	x	x	x		x		x
R13 G5K	x	x	x		x		x
R15 G6K	x	x	x		x		x

Hydraulic Hoses



MEET MXT. THE NEXT GENERATION OF PREMIUM HYDRAULICS.

MXT was designed to address our customers' evolving application challenges.

Using materials science and process innovation, combined with a patent-pending construction, Gates now offers a new hydraulic solution that is lighter, stronger, and more flexible. Made with strong, high-performance reinforcement and high quality, abrasion-resistant rubber, MXT is a universally applicable premium product offering performance above industry standards. Its diversified application allows you to consolidate inventory while giving you exactly the hose you need, when you need it.

We believe operating challenges are made to be overcome. That's why thousands of industrial facilities, global operations, and OE manufacturers around the world choose Gates hose and hydraulic systems to power their most demanding fluid power applications.



FEATURES + BENEFITS

Patent-pending in the U.S.

Proprietary application of materials science and processing technology

More flexible with lower force-to-bend for faster and more ergonomic installation

Lighter weight for easier handling

Tested to 3 times impulse criteria (600,000 cycles)

Consolidate inventory with a universal, multi-use hose

Compatible with MegaCrimp® Couplings and Gates Crimpers

Hydraulic Hoses

MXT

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

STANDARD	Meets SAE 100R16 and 100R17* dimension and performance. Meets SAE 100R2 and SAE 100R19* performance. Meets EN 853 2SN and EN 857 2SC performance. * Applies only to sizes up to and including -12 for SAE 100R17 and -8 for SAE 100R19.
CONSTRUCTION	Black, oil resistant, synthetic rubber tube. Braided high-tensile steel wire reinforcement.
COVER	SMOOTH Black, abrasion resistant, synthetic rubber. Meets MSHA flame resistance.
TEMPERATURE RANGE	(-40°C to +100°C)



Part No	DN	ID (INCH)	OD (MM)	WP (PSI)	WP (BAR)	BURST (PSI)	BURST (BAR)	MIN. BEND RADIUS (MM)	WEIGHT (KG/100M)
* MXT-04	6	1/4	14.5	5,800	400	23,200	1600	51	31
MXT-06	10	3/8	17.1	4,800	331	19,200	1324	64	39
MXT-08	12	1/2	20.2	4,000	276	16,000	1103	70	46
MXT-10	16	5/8	24.0	3,625	250	14,500	1000	76	57
MXT-12	19	3/4	27.4	3,125	215	12,500	862	121	70
MXT-16	25	1	35.1	2,400	165	9,600	662	152	100

*
Under Development

Hydraulic Hoses

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



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 Exellium



TECHNICAL SPECIFICATION:

Recommended for :High pressure hydraulic application.

Easy to route and install in tight areas.

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

Temperature: Hydraulic fluids : -40 to +100°C
Water based fluids : -40 to +70°C
Water : 0 to +70°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

Hydraulic Hoses



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



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 radius 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-08TW	1/2"	12	17,7	16000	1100	4000	275	90	1,04

Hydraulic Hoses

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

Hydraulic Hoses

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

Hydraulic Hoses

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

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



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]		
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

Hydraulic Hoses

EFG5K 5000 psi

TECHNICAL SPECIFICATION:

Recommended: Extremely high pressure and high impulse hydraulic applications.

Tube: NBR: 08-20 CR.24-32 (Cloroprene).

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



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

TECHNICAL SPECIFICATION:

Recommended: Extremely high pressure and high impulse hydraulic applications.

Tube: NBR: 08-20 CR.24-32 (Cloroprene).

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



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]		
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 aque-ous emulsion, water	TUBE: oil resistant synthetic rubber	REINFORCEMENT: one high tensile steel braid.	COVER: black, oil and environ- ment resistant syn- thetic rubber.
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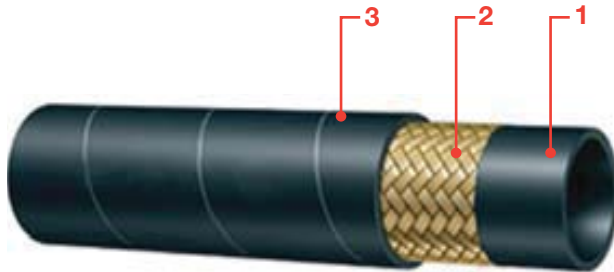
Code	 Hose size			 Reinforcement diameter		 Outside diameter		 Max working pressure		 Minimum burst pressure		 Minimum bend radius		 Weight	
	DN	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lb/ft	Kg/mt
PL-03	5	3/16"	4,8	0,33	8,3	0,41	10,3	2170	150	8680	600	0,79	20	0,09	0,130
PL-04	6	1/4"	6,4	0,39	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

1SN

Hydraulic Hoses

1SN - SAE100 R1AT

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).

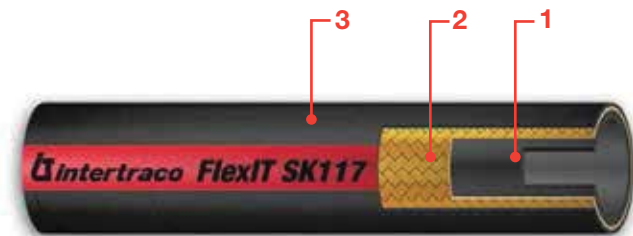
HOSE TYPE	 Ø HOSE			 REINFORCEMENT DIAMETER		 OUTSIDE DIAMETER		 WORKING PRESSURE		 BURST PRESSURE		 BEND RADIUS		 WEIGHT	
	DN	INCH	SIZE	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[mm]	[in]	[kg/m]	[lb/ft]
1SN-04	6	1/4"	04	11,1	0,437	13,2	0,520	225	3250	900	13000	100	3,94	0,21	0,14
1SN-05	8	5/16"	05	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

Hydraulic Hoses

SK117

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);

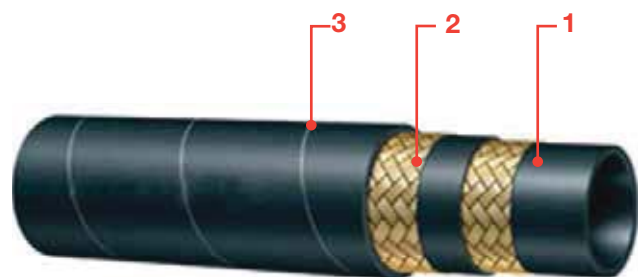
Polyglycol base oils, water-oil emulsions and water: up to +85°C (+185°F).

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

2SN

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

Hydraulic Hoses

2SC

EN 857 2SC

Coupling NO-SKIVE 3-SERIE



OPERATING	QUALIFIED FLUIDS:	TUBE:	REINFORCEMENT:	COVER:
TEMPERATURE RANGE:	mineral oils, vegetable and rapeseed	oil resistant	two high tensile steel	black, oil and environment
-40° C / + 100° C	oils, glycol and polyglycol based oils,	synthetic rubber	braids.	resistant synthetic rubber.
with peak of +125°C	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
2SC-04	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-05	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-06	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-08	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-10	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-12	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-16	25	1"	25,4	1,31	33,3	1,39	35,3	2400	165	9600	660	6,30	160	0,81	1,200
2SC-20	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-24	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-32	51	2"	50,8	2,38	60,4	2,50	63,4	1300	90	5200	360	15,75	400	1,68	2,500

Hydraulic Hoses

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 aqueous 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
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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
2SCA-04	6	1/4"	6,4	0,44	11,3	0,52	13,3	5800	400	23200	1600	1,77	45	0,20	0,300
2SCA-05	8	5/16"	7,9	0,51	12,9	0,59	14,9	5070	350	20280	1400	2,17	55	0,24	0,355
2SCA-06	10	3/8"	9,5	0,59	15,0	0,67	17,0	4780	330	19120	1320	2,56	65	0,28	0,420
2SCA-08	12	1/2"	12,8	0,72	18,4	0,80	20,4	4000	275	16000	1100	3,15	80	0,35	0,520
2SCA-10	16	5/8"	16,0	0,86	21,8	0,94	23,8	3620	250	14480	1000	3,54	90	0,42	0,630
2SCA-12	19	3/4"	19,0	1,00	25,5	1,08	27,5	3120	215	12480	860	4,72	120	0,54	0,810
2SCA-16	25	1"	25,4	1,31	33,3	1,39	35,3	2400	165	9600	660	6,30	160	0,81	1,200
2SCA-20	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
2SCA-24	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
2SCA-32	51	2"	50,8	2,38	60,4	2,50	63,4	1300	90	5200	360	15,75	400	1,68	2,500

Hydraulic Hoses

2SC ICEBERG

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 aque-ous emulsion, water	TUBE: oil resistant synthetic rubber	REINFORCEMENT: two high tensile steel braids	COVER: black, oil, environ-ment and lowtemper-ature resistant syn- thetic rubber MSHA approved
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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
2SCICE-04	6	1/4"	6,4	0,44	11,3	0,53	13,5	5800	400	23200	1600	1,77	45	0,20	0,300
2SC-05ICE	8	5/16"	7,9	0,51	12,9	0,59	15,1	5070	350	20280	1400	2,17	55	0,24	0,355
2SC-06ICE	10	3/8"	9,5	0,59	15,0	0,68	17,2	4780	330	19120	1320	2,56	65	0,28	0,420
2SC-08ICE	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
2SC-12ICE	19	3/4"	19,0	1,00	25,5	1,09	27,7	3120	215	12480	860	4,72	120	0,54	0,810
2SC-16ICE	25	1"	25,4	1,31	33,3	1,40	35,5	2400	165	9600	660	6,30	160	0,81	1,200
2SC-20ICE	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
2SC-24ICE	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
2SC-32ICE	51	2"	50,8	2,38	60,4	2,48	63,1	1300	90	5200	360	15,75	400	1,68	2,500

Hydraulic Hoses

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

Hydraulic Hoses

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

Hydraulic Hoses

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

Hydraulic Hoses

4SH

EN856 4SH

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
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

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

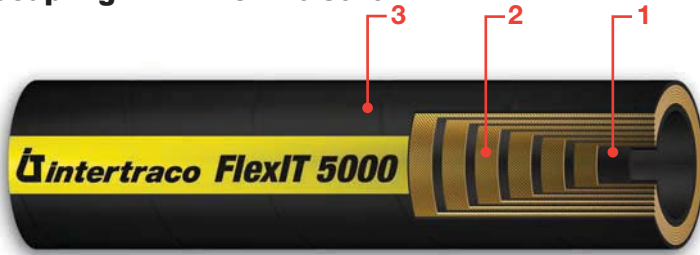
QUALIFIED FLUIDS:
mineral oils, vegetable and rapeseed oils, glycol and-polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

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
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-24HC	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-32HC	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

R13 EN 856 R13 - SAE 100 R13

Coupling INTERLOCK 5-Series



Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals for sizes 12 and 16 and six high tensile steel wire spirals for other sizes;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

High pressure hydraulic system with extreme high pressure peaks for use with hydraulic oils, both mineral and biological, polyglycol base oils, water-oil emulsions and water.

Temperature range

Hydraulic oils: -40°C to +121°C occasional peaks up to +125°C

Polyglycol base oils, water-oil emulsions and water: up to +85°C

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]
R13-12	19	3/4"	12	29,0	1,142	32,1	1,264	350	5000	1400	20000	240	9,45	1,60	1,08
R13-16	25	1"	16	35,1	1,382	38,4	1,512	350	5000	1400	20000	300	11,81	2,13	1,43
R13-20	31	1.1/4"	20	46,8	1,843	49,8	1,961	350	5000	1400	20000	420	16,54	4,40	2,96
R13-24	38	1.1/2"	24	54,3	2,138	57,3	2,256	350	5000	1400	20000	500	19,69	4,80	3,23
R13-32	51	2"	32	68,1	2,681	71,6	2,819	350	5000	1400	20000	630	24,80	7,20	4,84
R13-40	63	2.1/2"	40	81,8	3,220	86	3,386	350	5000	1400	20000	800	31,50	8,00	5,38

R15 EXCEEDS SAE 100 R-13

Coupling INTERLOCK 5-Series



Construction

- 1 - Synthetic rubber tube;
- 2 - Four high tensile steel wire spirals for size 12 and 16 and six high tensile steel wire spirals for other sizes;
- 3 - Synthetic rubber cover, MSHA flame retardant approved;

Application

High pressure hydraulic system with extreme high pressure peaks for use with hydraulic oils, both mineral and biological, polyglycol base oils, water-oil emulsions and water;

Temperature range

Hydraulic oils: -40°C to +121°C, occasional peaks up to +125°C; Polyglycol base oils, water-oil emulsions and water: up to +85°C

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]
R15-12	19	3/4"	12	28,1	1,106	31,8	1,252	420	6000	1680	24000	265	10,43	1,43	0,96
R15-16	25	1"	16	35,3	1,389	38,3	1,508	420	6000	1680	24000	340	13,39	2,16	1,45
R15-20	31	1.1/4"	20	46,8	1,843	50,1	1,972	420	6000	1680	24000	420	16,54	2,96	1,99
R15-24	38	1.1/2"	24	53,4	2,102	57,3	2,256	420	6000	1680	24000	510	20,08	5,10	3,43
R15-32	51	2"	32	67,7	2,665	71,5	2,815	420	6000	1680	24000	600	23,62	6,90	4,64

Hydraulic Hoses

R7

SAE100 R7

Coupling NO-SKIVE 3-SERIE

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

R7TW

Twin SAE100 R7

Coupling NO-SKIVE 3-SERIE

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

Coupling NO-SKIVE 3-SERIE

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

R8TW

Twin SAE100 R8

Coupling NO-SKIVE 3-SERIE

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

Hydraulic Hoses

R8 NC

Non-Conductive SAE100 R8

Coupling NO-SKIVE 3-SERIE

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

Coupling NO-SKIVE 3-SERIE

TECHNICAL SPECIFICATION:

Recommended:	Aggressive fluids and high and low temperature applications
Construction:	PTFE SMOOTH tube, AISI 304 stainless steel high tensile braid
Temperature:	-70°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]			[bar]		[bar]		
T9-04	1/4	6,45	9,9		672		224	76	0,090
T9-06	3/8	9,93	14,1		552		183	133	0,148
T9-08	1/2	13,06	17,2		483		161	152	0,249
T9-10	5/8	16,1	20,6		345		114	178	0,290
T9-12	3/4	19,3	23,7		310		103	203	0,339
T9-16	1	25,6	28,0		241		80	305	0,461

VHP

Hydraulic Hoses for very high pressure hydraulic applications

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

VHP original parts.

Use only VHP inserts and
ferrules



OPTIONAL
STAND



Twin multilined



Multicolour

part no.															
	hose size		ID		OD		WP		BP			bend radius	weight		
	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi			mm	inch	g/m
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
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

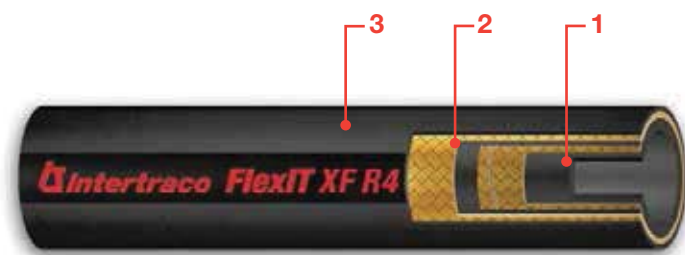
Hydraulic Hoses

Suction-Return

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

High Pressure Cleaner Hoses

Cleanmaster

Smooth Cover  THE WORLD OF HOSE

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	1 or 2 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

High Pressure Cleaner Hoses

JW1K

1-Wire **Smooth Cover**

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

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															
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															
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															
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															

B= BLUE color cover

High Pressure Cleaner Hoses

JW2K

2-Wire **Smooth Cover**

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

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

High Pressure Cleaner Hoses

TEKNOJET TEKNOJET PLUS

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
2SCWB-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
2SCWB-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
2SCWB-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
2SCWB-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

Note:
G for Grey colour (2SW-05G)

TEKNOJET PLUS

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-08	10	3/8"	9,5	0,66	16,7	0,74	18,7	8700	600	21750	1500	5,12	130	0,36	0,530

Hose Couplings Overview

Coupling Types	Size	Design	Hose preparation
3-serie	-03 to -48 (1/8"-3")	2-Piece	No-Skive / External Skive
5-serie	-12 to -48 (3/4"-3")	2-Piece Interlock	Double-Skive
Gates MegaCrimp	-04 to -20 (1/4"-1.1/4")	1-Piece	No-Skive
Gates GS-Serie	-06 to -32 (3/8"-2")	2-Piece	No-Skive
Gates GSM-serie	-24 to -32 (1.1/2"-2")	1-Piece	No-Skive

Couplings

3-Serie TWO PIECE FITTINGS UNIVERSAL SERIES FOR 1-3 WIRE BRAIDED AND 4 SPIRAL HYDRAULIC HOSES

SIZE	-02	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
mm	3	5	6	8	10	12	16	19	25	31	38	51	63	76
inch	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2.1/2	3

5-Serie INTERLOCK FITTINGS FOR 4 AND 6 SPIRAL HOSES

SIZE	-06	-08	-10	-12	-16	-20	-24	-32
mm	10	12	16	19	25	31	38	51
inch	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2



Couplings

M MegaCrimp® COUPLINGS 1-2 WIRE, TEXTILE HOSE
MegaCrimp (M) COUPLINGS 1-Piece NO-SKIVE

GS COUPLINGS FOR 4-6 WIRE SPIRAL HYDRAULIC HOSE
GlobalSpiral (GS) 2-pcs. NO-SKIVE

GSM COUPLINGS FOR 6-WIRE SPIRAL HYDRAULIC HOSE
GlobalSpiral Maximum (GSM) 1-pcs. NO-SKIVE

Hose Couplings Overview



Ferrule overview 3-Series & 5-Series

Ferrule

Hose type		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-0 6	399-06		x
2SC-0 8	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	399-08		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	596-32	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

Hose Couplings



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

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

Hose Couplings



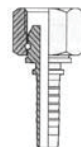
BSP Female

3-Serie Couplings (1-4 Wire)

						
			301- Straight female	303- 90° female	304- 45° female	305- 90° compact
Part No	Conn.	Hose Dia.				
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.			
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"			

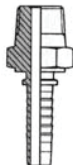
Other dimensions available, contact us for further details
For stainless steel add HP...-316 on all part no. HP399-06-316



Hose Couplings

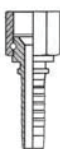
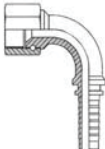
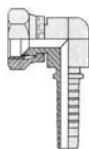
3-Serie Couplings (1-4 Wire)

Male BSP / NPT

								
			310- BSP Male Taper		900- Banjo BSP		311- NPT Male	
Part No	Conn.	Hose Dia.						
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.										
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"										

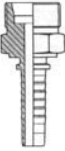
Other dimensions available, contact us for further details For stainless steel
add HP....-316 on all part no. HP399-06-316

Hose Couplings



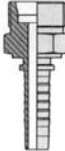
3-Serie Couplings (1-4 Wire)

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.				
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.				
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"				

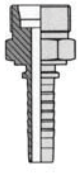
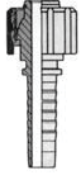
Other dimensions available, contact us for further details For stainless steel
add HP...-316 on all part no. HP399-06-316

Hose Couplings



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.					
02-04	1/8"	1/4"	x				
04-04	1/4"	1/4"	x				
06-04	3/8"	1/4"	x				
06-06	3/8"	3/8"	x				
08-06	1/2"	3/8"	x				
08-08	1/2"	1/2"	x				
12-12	3/4"	3/4"	x				
16-16	1"	1"	x				
20-20	1 1/4"	1 1/4"	x				
24-24	1 1/2"	1 1/2"	x				
32-32	2"	2"					
04-14	14 x 1,5	1/4"		x			
06-16	16 x 1,5	3/8"		x			
08-22	22 x 1,5	1/2"		x			
12-30	30 x 1,5	3/4"		x			
16-33	33 x 2,0	1"		x			
10-04	10 x 1,0	1/4"					x
12-04	12 x 1,5	1/4"					x
14-04	14 x 1,5	1/4"					x
16-06	16 x 1,5	3/8"					x
18-06	18 x 1,5	3/8"					x
18-08	18 x 1,5	1/2"					
22-04	22 x 1,5	1/4"				x	
22-05	22 x 1,5	5/16"				x	
22-06	22 x 1,5	3/8"				x	x
10-22	30 x 1,5	5/8"					
12-28	36 x 1,5	3/4"					
16-28	36 x 1,5	1"					

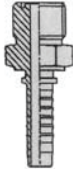
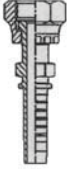
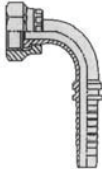
For stainless steel add HP-316 on all part no. HP399-06-316

Hose Couplings



3-Serie 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.				
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"				

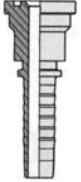
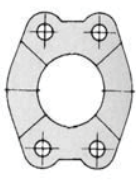
Other dimensions available, contact us for further details For stainless steel
add HP...-316 on all part no. HP399-06-316

Hose Couplings



3-Series Couplings (1-4 Wire)

Code 61- 62 SAE Flange

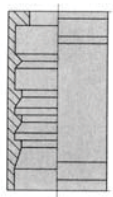
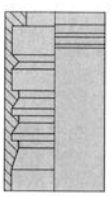
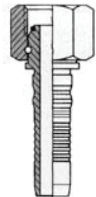
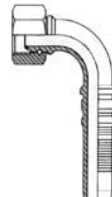
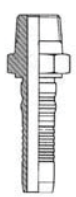
3000 psi SAE Flanges with O-ring												
			343- Straight SAE		344- 90° SAE Flange		345- 45° SAE Flange		943- Split flange		945- Monoblock	
Part No	Conn.	Hose Dia.										
08-08	1/2"	1/2"										
12-12	3/4"	3/4"										
16-12	1"	3/4"										
16-16	1"	1"										
20-16	1 1/4"	1"										
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

Hose Couplings

Interlock 5-Serie (4-6 Spiral)

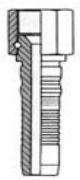
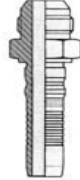
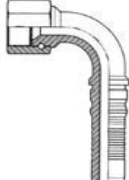
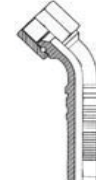
Ferrules - BSP - NPT

								
			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.						
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

							
				523- Male straight	536- Female O-ring	537- Female 90° O-ring	538- Female 45° O-ring
Part No	Conn.	Hose					
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

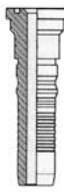
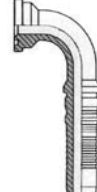
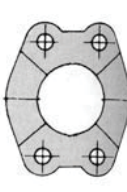
						
			513- Female straight	514- Male straight	516- Female 90°	517- Female 45°
Part No	Conn.	Hose				
17-12	1 1/16-12	3/4"				
21-16	1 5/16-12	1"				
26-20	1 5/8-12	1 1/4"				
30-24	1 7/8-12	1 1/2"				

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

Hose Couplings

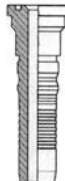
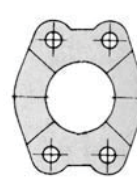
Interlock 5-Serie (4-6 Spiral)

Code 61 SAE Flanges

3000 psi SAE Flanges with O-ring												
			543- Straight SAE		544- 90° SAE		545- 45° SAE		943- Split flange		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"										

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

Code 62 SAE Flanges

6000 psi SAE Flanges with O-ring												
			546- Straight SAE		547- 90° SAE		548- 45° SAE		944- Split flange		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

Hose Couplings Overview

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
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
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
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
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
M6K-04	1-PC	no-skive	399-04	no-skive

Gates 1-2 wire braided hoses



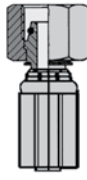
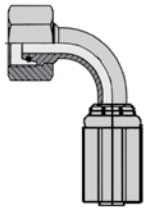
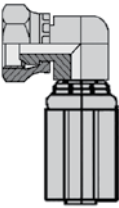
Gates 4-6 spiral hoses

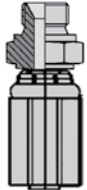
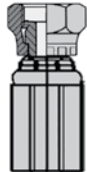


Hose Couplings

MegaCrimp®

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

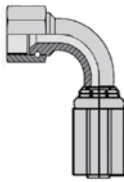
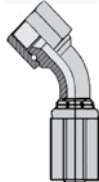
BSP 60°						
Part No	Conn.	Hose Dia.	M301-	M303-	M304-	M305-
02-04	1/8"	1/4"	BSP O-RING	90° BSP O-RING	45° BSP O-RING	90° BSP compact
04-04	1/4"	1/4"				
06-04	3/8"	1/4"				
04-06	1/4"	3/8"				
06-06	3/8"	3/8"				
08-06	1/2"	3/8"				
06-08	3/8"	1/2"				
08-08	1/2"	1/2"				
12-08	3/4"	1/2"				
10-10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

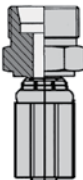
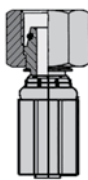
BSP/NPT							
Part No	Conn.	Hose Dia.	M302-	M920-	M310-	M900-	M311-
02-04	1/8"	1/4"	BSPP male	Female flat face	BSPT taper	Banjo BSP	NPT Male
04-04	1/4"	1/4"					
06-04	3/8"	1/4"					
04-06	1/4"	3/8"					
06-06	3/8"	3/8"					
08-06	1/2"	3/8"					
06-08	3/8"	1/2"					
08-08	1/2"	1/2"					
12-08	3/4"	1/2"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

Hose Couplings

MegaCrimp®

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

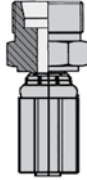
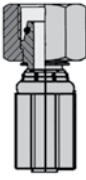
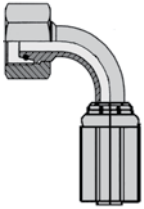
JIC 37°						
Part No	Conn.	Hose Dia.	M313-	M316-	M317-	M314-
			Straight Female	90° Female	45° Female	Straight Male
07-04	7/16-20	1/4"				
08-04	1/2-20	1/4"				
09-04	9/16-18	1/4"				
09-06	9/16-18	3/8"				
12-06	3/4-16	3/8"				
12-08	3/4-16	1/2"				
14-08	7/8-14	1/2"				
14-10	7/8-14	5/8"				
17-10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

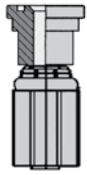
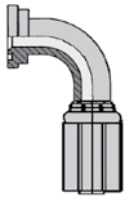
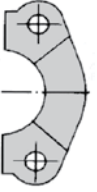
SKL-DKOL- Standpipe								
Part No	Pipe Dia.	Conn.	Hose Dia.	M320-	M333-	M334-	M335-	M339-
				SKL Male	DKOL Female	DKOL 90°	DKOL 45°	Standpipe
06-04	6	12 x 1,5	1/4"					
08-04	8	14 x 1,5	1/4"					
10-04	10	16 x 1,5	1/4"					
10-06	10	16 x 1,5	3/8"					
12-06	12	18 x 1,5	3/8"					
15-08	15	22 x 1,5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

Hose Couplings

MegaCrimp®

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

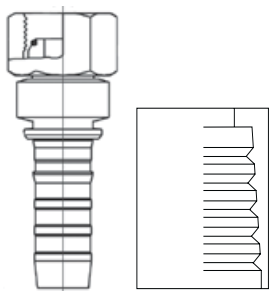
SKS-DKOS							
Part No	Pipe Dia.	Conn.	Hose Dia.	G323-	G336-	G337-	G338-
				SKS Male	DKOS Female	DKOS 90°	DKOS 45°
06-04	6	14 x 1,5	1/4"				
08-04	8	16 x 1,5	1/4"				
10-04	10	18 x 1,5	1/4"				
10-06	10	18 x 1,5	3/8"				
12-06	12	20 x 1,5	3/8"				
14-06	14	22 x 1,5	3/8"				
16-06	16	24 x 1,5	3/8"				
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.	M343-	M344-	M345-	943-
			Straight SAE	90° SAE Flange	45° SAE Flange	Split flange
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"				

Hose Couplings

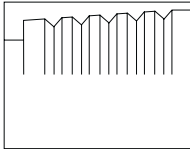
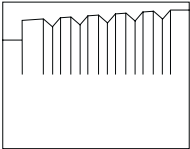
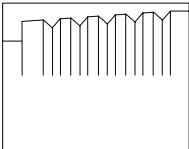
GS-series 2-Piece and GSM-series 1-Piece couplings

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



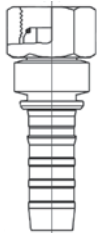
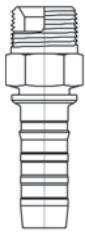
(GSM5..)1-pcs. NO-SKIVE



Ferrules GS5..				
Part No	Hose Dia.	GS594- G3K-G4K	GS596- G5K-G6K	GS599- 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		

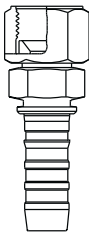
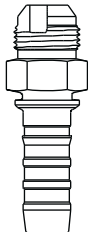
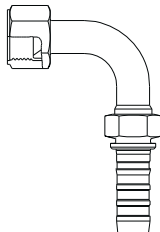
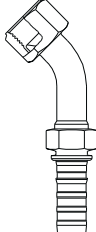
Hose Couplings

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

BSP 60°							
Part No	Conn.	Hose Dia.	GS502- BSPP Male	GS501- Female O-ring	GS503- Female 90° O-ring	GS504- Female 45° O-ring	GS511- 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 design one piece coupling. Part No starts with GSM5... instead of GS5 ... for those couplings



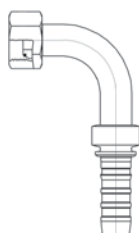
JIC 37°						
Part No	Conn.	Hose Dia.	G513- Female	G514- Male	G516- Female 90°	G517- Female 45°
12-06	3/4"-16	3/8"				
14-08	7/8"-14	1/2"				
17-10	1 1/16"-16	5/8"				
17-12	1 1/16"-12	3/4"				
21-12	1 5/16"-12	3/4"				
21-16	1 5/16"-12	1"				
26-16	1 5/8"-12	1"				
26-20	1 5/8"-12	1 1/4"				
30-24	1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

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



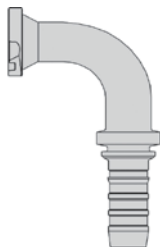
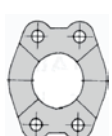
Hose Couplings

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

SKS / DKOS							
Part No	Pipe Dia.	Conn.	Hose Dia.	G523-	G536-	G537-	G538-
				Male straight	Female O-ring	Female 90° O-ring	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 design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings.



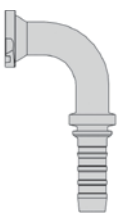
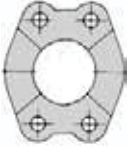
SAE Code 61 3000 psi						
Part No	Hose Dia.	G543-	G544-	G545-	943-	945-
		SAE fl.	90° SAE fl.	45° SAE fl.	Split flange	Monoblock
08-08	1/2"					
12-10	5/8"					
12-12	3/4"					
16-12	3/4"					
16-16	1"					
20-16	1"					
20-20	1 1/4"					
24-20	1 1/4"					
24-24	1 1/2"					
32-24	1 1/2"					

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



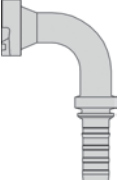
Hose Couplings

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

SAE Code 62 6000 psi						
Part No	Hose Dia.	G546-	G547-	G548-	944-	946-
		SAE fl.	90°	45°	Split flange	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 design one piece coupling. Part No starts with GSM5... instead of GS5... for those couplings.



Catepillar flange									
Part No	Conn.	Hose Dia.	G583-	G586-	G587-	G585-	G588-	G589-	G584-
			SAE flange	22° SAE flange	30° SAE flange	45° SAE flange	60° SAE flange	67° SAE flange	90° SAE flange
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"							

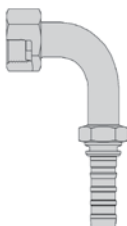
*) Sizes -24 and -32 design one piece coupling. Part No starts with GSM5... instead of GS5 ... for those couplings. Cat GSM-couplings on request.



Hose Couplings

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

Komatsu style SAE flange					
Part No	Conn.	Hose Dia.	G553-	G555-	G554-
			SAE flange	45° SAE flange	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-	G561-	G562-	G563-	G564-
			Male	Female	Female 45°	Female 90°	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	1.11/16"-12UN	1 1/4"					
20-20	1.11/16"-12UN	1 1/4"					
20-20L	1.11/16"-12UN	1 1/4"					
24-20	2"-12UN	1 1/4"					
24-24	2"-12UN	1 1/2"					

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



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

Hose Support - Protection

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

Hose Support - Protection

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

