



Fittings for Braided Hose



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www.hardyspicer.com.au

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Due to our continuous product and range development we reserve the right to alter the specification without prior notice.

We welcome any feedback re suspected errors or omissions to the information enclosed. We can be contacted via email hspicer@hardyspicer.com.au

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Wire Braid Fittings

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Document No:	HSHYDCAT
Issue:	7
Issue Date:	01/11/16

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CONTENTS

DESCRIPTION	PART No.	SECTION
AIR BRAKE SWIVEL FEMALE	MCABS	D:2-35
BANJO BSP	MCBB	D:2-43
BANJO METRIC	MCMB	D:2-43
BSPT MALE	MCBM	D:2-36
BSPP MALE	MCPM	D:2-37
BSPP FEMALE	MCBF	D:2-38
BSPP FEMALE 45°	MCBF45	D:2-39
BSPP FEMALE 90°	MCBF90	D:2-40
BSPP FEMALE 90° COMPACT	MCBF90C	D:2-41
BSP FLAT FACE MALE	MCBFFM	D:2-42
BSP FLAT FACE SWIVEL FEMALE	MCBFFS	D:2-42
CODE 61 FLANGE STRAIGHT	MC3FL	D:2-26
CODE 61 FLANGE 22 1/2°	MC3FL22	D:2-27
CODE 61 FLANGE 30°	MC3FL30	D:2-28
CODE 61 FLANGE 45°	MC3FL45	D:2-29
CODE 61 FLANGE 60°	MC3FL60	D:2-30
CODE 61 FLANGE 67 1/2°	MC3FL67	D:2-31
CODE 61 FLANGE 90°	MC3FL90	D:2-32
FERRULES - GS	GS-**GS1F-2	D:2-53
FERRULES - GSP	GSP-**1F-2	D:2-53
GREASE FEMALE	MCFG	D:2-35
JIC MALE	MCJM	D:2-12
JIC FEMALE	MCJF	D:2-13
JIC FEMALE 30°	MCJF30	D:2-14
JIC FEMALE 45°	MCJF45	D:2-15
JIC FEMALE 90°	MCJF90	D:2-16
JIC FEMALE 90° COMPACT	MCJF90C	D:2-18
JAPANESE INDUSTRIAL STANDARD FEMALE	MCBJF	D:2-52
KOMATSU FEMALE	MCKF	D:2-51
KOMATSU 45° FEMALE	MCKF45	D:2-51
KOMATSU 90° FEMALE	MCKF90	D:2-52
METRIC FEMALE LIGHT	MCLMF	D:2-45
METRIC FEMALE LIGHT 45°	MCLMF45	D:2-46
METRIC FEMALE LIGHT 90°	MCLMF90	D:2-47
METRIC MALE LIGHT	MCLMM	D:2-44
METRIC FEMALE HEAVY	MCHMF	D:2-49
METRIC FEMALE HEAVY 45°	MCHMF45	D:2-50
METRIC FEMALE HEAVY 90°	MCHMF90	D:2-50
METRIC MALE HEAVY	MCHMM	D:2-48
NPT MALE	MCNM	D:2-5
NPT MALE LONG NOSE	MCNML	D:2-6
NPT MALE SWIVEL	MCNMS	D:2-6
NPT MALE 90° COMPACT	MCNM90C	D:2-7
NPT FEMALE	MCNF	D:2-7

www.hardyspicer.com.au

Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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CONTENTS

DESCRIPTION	PART No.	SECTION
ORFS MALE.....	MCORFM.....	D:2-21
ORFS.....	MCORF.....	D:2-22
ORFS 45°.....	MCORF45.....	D:2-23
ORFS 90°.....	MCORF90.....	D:2-24
PRESSURE WASH SWIVEL.....	MCKAF.....	D:2-35
SAE 45° FLARE MALE.....	MCSM.....	D:2-18
SAE 45° FLARE FEMALE.....	MCSF.....	D:2-19
SAE 45° FLARE FEMALE 45°.....	MCSF45.....	D:2-19
SAE 45° FLARE FEMALE 90°.....	MCSF90.....	D:2-20
SAE MALE INVERTED SWIVEL.....	MCIFM.....	D:2-33
SAE MALE INVERTED SWIVEL 45°.....	MCIFM45.....	D:2-33
SAE MALE INVERTED SWIVEL 90°.....	MCIFM90.....	D:2-34
SAE MALE FLARELESS ASSEMBLY.....	MCIFM.....	D:2-34
UN 'O' RING MALE.....	MCUM.....	D:2-8
UN 'O' RING MALE SWIVEL.....	MCUMS.....	D:2-9
UN 'O' RING MALE SWIVEL 45°.....	MCUMS45.....	D:2-9
UN 'O' RING MALE SWIVEL 90°.....	MCUMS90.....	D:2-10
UN 'O' RING MALE ADAPTOR-LESS SWIVEL.....	MCUMA.....	D:2-10
UN 'O' RING MALE ADAPTOR-LESS SWIVEL 45°.....	MCUMA45.....	D:2-11
UN 'O' RING MALE ADAPTOR-LESS SWIVEL 90°.....	MCUMA90.....	D:2-11
GL Fittings		
CODE 61 FLANGE STRAIGHT.....	GL3FL.....	D:2-57
CODE 61 FLANGE 22 1/2°.....	GL3FL22.....	D:2-57
CODE 61 FLANGE 30°.....	GL3FL30.....	D:2-58
CODE 61 FLANGE 45°.....	GL3FL45.....	D:2-58
CODE 61 FLANGE 60°.....	GL3FL60.....	D:2-59
CODE 61 FLANGE 67 1/2°.....	GL3FL67.....	D:2-59
CODE 61 FLANGE 90°.....	GL3FL90.....	D:2-60
JIC FEMALE.....	GLJF.....	D:2-55
JIC FEMALE 90°.....	GLJF90.....	D:2-55
NPT MALE.....	GLNM.....	D:2-54
NPT MALE SWIVEL.....	GLNMS.....	D:2-54
ORFS FEMALE.....	GLORF.....	D:2-56
ORFS 45° FEMALE.....	GLORF45.....	D:2-56
ORFS 90° FEMALE.....	GLORF90.....	D:2-56

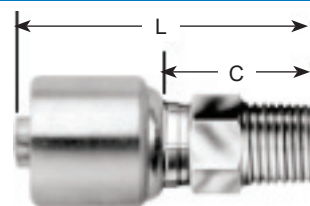
Wire Braid Fittings

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Document No:	HSHYDCAT
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Male Pipe (NPTF - 30° Cone Seat)

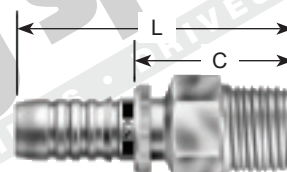


H1

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
MCNM-02-04	4G-2MP	7100-10025	1/4	6.4	1/8-27	1/2	50.0	24.0
MCNM-04-04	4G-4MP	7100-10035	1/4	6.4	1/4-18	9/16	55.0	29.0
MCNM-06-04	4G-6MP	7100-10045	1/4	6.4	3/8-18	11/16	55.0	29.0
MCNM-08-04¥	4G-8MP	7100-10055	1/4	6.4	1/2-14	7/8	62.0	36.0
MCNM-04-05¥	5G-4MP	7100-00065	5/16	7.9	1/4-18	5/8	58.0	30.0
MCNM-04-06	6G-4MP	7100-10075	3/8	9.5	1/4-18	5/8	59.0	31.1
MCNM-06-06	6G-6MP	7100-10085	3/8	9.5	3/8-18	11/16	59.0	31.1
MCNM-08-06	6G-8MP	7100-10095	3/8	9.5	1/2-14	7/8	64.0	36.1
MCNM-06-08	8G-6MP	7100-00105	1/2	12.7	3/8-18	13/16	69.0	31.5
MCNM-08-08	8G-8MP	7100-00115	1/2	12.7	1/2-14	7/8	73.0	35.5
MCNM-12-08¥	8G-12MP	7100-00125	1/2	12.7	3/4-14	1 1/16	75.0	37.5
MCNM-08-10¥	10G-8MP	7100-00135	5/8	15.8	1/2-14	15/16	75.0	37.5
MCNM-12-10¥	10G-12MP	7100-00145	5/8	15.8	3/4-14	1 1/16	73.5	36.0
MCNM-08-12¥	12G-8MP	7100-00155	3/4	19	1/2-14	1 1/16	88.0	37.0
MCNM-12-12	12G-12MP	7100-00165	3/4	19	3/4-14	1 1/16	88.0	37.0
MCNM-16-12¥	12G-16MP	7100-00175	3/4	19	1-11 1/2	1 3/8	96.0	45.0
MCNM-12-16¥	16G-12MP	7100-00195	1	25.4	3/4-14	1 3/8	100.0	43.2
MCNM-16-16	16G-16MP	7100-00205	1	25.4	1-11 1/2	1 3/8	104.5	47.7
MCNM-20-20	20G-20MP	7100-00215	1 1/4	31.7	1 1/4-11 1/2	1 3/4	113.0	54.0

¥ Coupling pricing & availability on request.

Male Pipe (NPTF - 30° Cone Seat)



H1

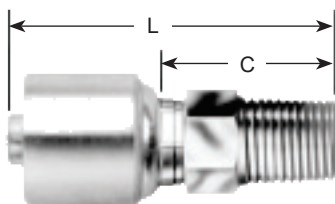
Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
GSPNM-24-24	24GSP-24MP	7347-20725	1 1/2	38.1	1 1/2-11 1/2	2	133	59.4
GSPNM-32-32	32GSP-32MP	7347-20795	2	50.8	2-11 1/2	2.5	153.7	61.7

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Male Pipe Long Nose

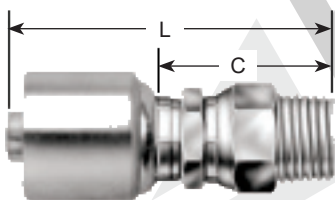


H1

For use with J2AT Jack Hose and special high-pressure applications.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
MCNML-04-04	4G-4MPLN	7100-16615	1/4	6.4	1/4-18	9/16	65.0	39.0
MCNML-06-04	4G-6MPLN	7100-16625	1/4	6.4	3/8-18	11/16	65.0	39.0
MCNML-04-06	6G-4MPLN	7100-16645	3/8	9.5	1/4-18	5/8	69.0	41.1
MCNML-06-06	6G-6MPLN	7100-16635	3/8	9.5	3/8-18	11/16	69.0	41.1

Male Pipe Swivel (NPTF - Without 30° Cone Seat)



H1 H2

NOT TO BE USED AS A LIVE SWIVEL.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCNMS-04-04	4G-4MPX	7100-10255	1/4	6.4	1/4-18	1/2	11/16	66.3	40.2
MCNMS-06-04	4G-6MPX	7100-10265	1/4	6.4	3/8-18	5/8	7/8	69.5	43.5
MCNMS-08-04	4G-8MPX	7100-10275	1/4	6.4	1/2-14	3/4	1	75.4	49.4
MCNMS-04-06	6G-4MPX	7100-10285	3/8	9.5	1/4-18	5/8	7/8	72.8	44.9
MCNMS-06-06	6G-6MPX	7100-10295	3/8	9.5	3/8-18	5/8	7/8	71.5	43.6
MCNMS-08-06	6G-8MPX	7100-10305	3/8	9.5	1/2-14	3/4	1	77.5	49.5
MCNMS-06-08	8G-6MPX	7100-00315	1/2	12.7	3/8-18	13/16	7/8	82.0	44.6
MCNMS-08-08	8G-8MPX	7100-00325	1/2	12.7	1/2-14	13/16	1	86.9	49.4
MCNMS-12-10	10G-12MPX	7100-00335	5/8	15.9	3/4-14	1 1/16	1 5/16	88.5	51.1
MCNMS-08-12	12G-8MPX	7100-00345	3/4	19.1	1/2-14	1 1/16	1	100.9	49.9
MCNMS-12-12	12G-12MPX	7100-00355	3/4	19.1	3/4-14	1 1/16	1 5/16	102.0	51.0
MCNMS-16-16	16G-16MPX	7100-00365	1	25.4	1-11 1/2	1 3/8	1 5/8	120.2	63.4

⌘ Coupling pricing & availability on request.

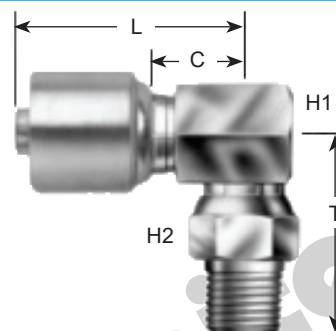
Wire Braid Fittings

www.hardyspicer.com.au

Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

Male Pipe Swivel – 90° Block (NPTF – Without 30° Cone)

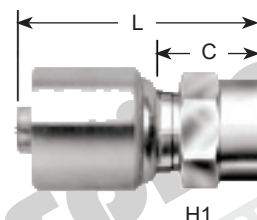
NOT TO BE USED AS A LIVE SWIVEL.



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCNM90C-04-04¥	4G-4MPX90	7100-10375	1/4	6.4	1/4-18	11/16	11/16	41.3	44.5	18.4
MCNM90C-06-04¥	4G-6MPX90	7100-10385	1/4	6.4	3/8-18	11/16	7/8	43.9	46.3	20.2
MCNM90C-04-06¥	6G-4MPX90	7100-10395	3/8	9.5	1/4-18	3/4	11/16	42.1	49.6	21.7
MCNM90C-06-06¥	6G-6MPX90	7100-10405	3/8	9.5	3/8-18	3/4	7/8	44.8	49.6	21.7
MCNM90C-08-06¥	6G-8MPX90	7100-10415	3/8	9.5	1/2-14	3/4	1	49.1	49.7	21.7
MCNM90C-06-08¥	8G-6MPX90	7100-07135	1/2	12.7	3/8-18	1	7/8	48.0	64.7	27.2
MCNM90C-08-08¥	8G-8MPX90	7100-00425	1/2	12.7	1/2-14	1	1	52.3	64.7	27.2
MCNM90L-08-08¥	8G-8MPX90L	7100-00455	1/2	12.7	1/2-14	1	1	52.3	95.5	45.6
MCNM90C-12-12¥	12G-12MPX90	7100-00435	3/4	19.1	3/4-14	1 3/8	1 5/16	58.4	80.7	29.7
MCNM90L-12-12¥	12G-12MPX90L	7100-00475	3/4	19.1	3/4-14	1 3/8	1 5/16	58.4	99.7	48.7

¥ Coupling pricing & availability on request.

Female Pipe (NPTF – Without 30° Cone Seat)



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
MCNF-02-04¥	4G-2FP	7100-10485	1/4	6.4	1/8-27	9/16	44.3	18.3
MCNF-04-04¥	4G-4FP	7100-10495	1/4	6.4	1/4-18	11/16	50.5	24.5
MCNF-06-04¥	4G-6FP	7100-10505	1/4	6.4	3/8-18	13/16	50.5	24.5
MCNF-04-06¥	6G-4FP	7100-10515	3/8	9.5	1/4-18	11/16	51.0	23.1
MCNF-06-06¥	6G-6FP	7100-10525	3/8	9.5	3/8-18	13/16	52.5	24.6
MCNF-08-06¥	6G-8FP	7100-10535	3/8	9.5	1/2-14	1	57.1	29.2
MCNF-06-08¥	8G-6FP	7100-00545	1/2	12.7	3/8-18	13/16	62.5	25.0
MCNF-08-08	8G-8FP	7100-00555	1/2	12.7	1/2-14	1	67.0	29.5
MCNF-12-12¥	12G-12FP	7100-00565	3/4	19	3/4-14	1 1/4	82.0	31.0

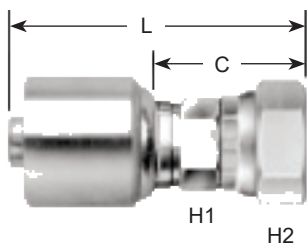
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

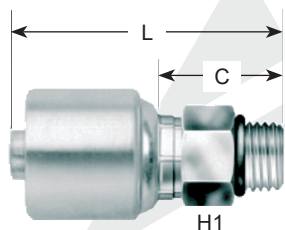
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Female Pipe Swivel (NPSM - 30° Cone Seat)



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCNFS-04-04¥	4G-4FPX	7100-10575	1/4	6.4	1/4-18	1/2	11/16	57.0	30.9
MCNFS-06-06¥	6G-6FPX	7100-10585	3/8	9.5	3/8-18	5/8	7/8	60.2	32.3
MCNFS-08-08¥	8G-8FPX	7100-00595	1/2	12.7	1/2-14	13/16	1	71.4	33.9
MCNFS-12-12¥	12G-12FPX	7100-00605	3/4	19	3/4-14	1 1/16	1 1/4	94.4	43.4
MCNFS-16-16¥	16G-16FPX	7100-00615	1	25.4	1-11 1/2	1 3/8	1 1/2	104.3	47.5

Male O-Ring Boss



SAE J1926/3 ISO 11926-3 Light-Duty (L Series)
Stud End.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
MCUM-07-04¥	4G-4MB	7100-12205	1/4	6.4	7/16-20	9/16	50.5	24.5
MCUM-08-04¥	4G-5MB	7100-12215	1/4	6.4	1/2-20	5/8	50.5	24.5
MCUM-09-04¥	4G-6MB	7100-12225	1/4	6.4	9/16-18	11/16	52.0	26.0
MCUM-09-06¥	6G-6MB	7100-12235	3/8	9.5	9/16-18	11/16	52.5	24.5
MCUM-12-06¥	6G-8MB	7100-12245	3/8	9.5	3/4-16	7/8	55.0	27.1
MCUM-14-06¥	6G-10MB	7100-12255	3/8	9.5	7/8-14	1	56.5	28.6
MCUM-17-08¥	6G-12MB	7100-12265	3/8	9.5	1 1/16-12	1 1/4	61.5	33.6
MCUM-12-08¥	8G-8MB	7100-02275	1/2	12.7	3/4-16	7/8	64.5	27.0
MCUM-14-08¥	8G-10MB	7100-02285	1/2	12.7	7/8-14	1	65.5	28.0
MCUM-17-08¥	8G-12MB	7100-02295	1/2	12.7	1 1/16-12	1 1/4	70.5	33.0
MCUM-12-10¥	10G-8MB	7100-02305	5/8	15.8	3/4-16	1 1/4	72.0	34.5
MCUM-14-10¥	10G-10MB	7100-02315	5/8	15.8	7/8-14	1	67.0	29.5
MCUM-17-10¥	10G-12MB	7100-02325	5/8	15.8	1 1/16-12	1 1/4	70.5	33.0
MCUM-17-12¥	12G-12MB	7100-02335	3/4	19	1 1/16-12	1 1/4	84.5	33.5
MCUM-19-12¥	12G-14MB	7100-02345	3/4	19	1 3/16-12	1 3/8	84.0	33.0
MCUM-21-12¥	12G-16MB	7100-02355	3/4	19	1 5/16-12	1 1/2	87.5	36.5
MCUM-19-16¥	16G-14MB	7100-02365	1	25.4	1 3/16-12	1 3/8	96.0	39.2
MCUM-21-16¥	16G-16MB	7100-02375	1	25.4	1 5/16-12	1 1/2	94.5	37.7
MCUM-26-20¥	20G-20MB	7100-02385	1 1/4	31.7	1 5/8-12	1 7/8	97.0	38.0

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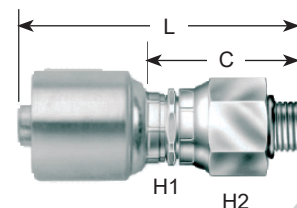
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Male O-Ring Boss Swivel

SAE J1926/3 ISO 11926-3 Light-Duty (L Series)
Stud End

NOT TO BE USED AS A LIVE SWIVEL.



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCUMS-07-04¥	4G-4MBX	7100-12385	1/4	6.4	7/16-20	1/2	23/32	68.4	42.4
MCUMS-09-04¥	4G-6MBX	7100-12395	1/4	6.4	9/16-18	5/8	7/8	67.3	41.2
MCUMS-09-06¥	6G-6MBX	7100-12405	3/8	9.5	9/16-18	5/8	7/8	69.3	41.3
MCUMS-12-06¥	6G-8MBX	7100-12415	3/8	9.5	3/4-16	3/4	1	69.6	41.6
MCUMS-14-06¥	6G-10MBX	7100-12425	3/8	9.5	7/8-14	3/4	1	71.1	43.1
MCUMS-12-08¥	8G-8MBX	7100-02435	1/2	12.7	3/4-16	13/16	1	79.1	41.6
MCUMS-14-08¥	8G-10MBX	7100-02445	1/2	12.7	7/8-14	13/16	1	80.6	43.1
MCUMS-17-12¥	12G-12MBX	7100-02455	3/4	19	1 1/16-12	1 1/16	1 5/16	101.5	50.5

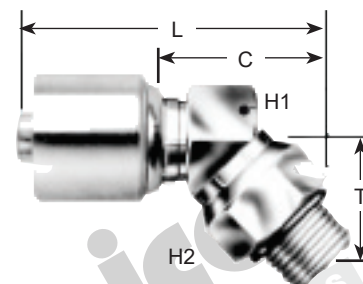
NOTE: Internal O-Rings rated at 121°C

¥ Coupling pricing & availability on request.

Male O-Ring Boss Swivel – 45° Block

SAE J1926/3 ISO 11926-3 Light-Duty (L Series)
Stud End

NOT TO BE USED AS A LIVE SWIVEL.



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCUMS45-09-06¥	6G-6MBX45	7100-12475	3/8	9.5	-9/16-18	3/4	7/8	27.8	79.0	51.0
MCUMS45-12-06¥	6G-8MBX45	7100-12485	3/8	9.5	3/4-16	3/4	1	26.9	78.1	50.2
MCUMS45-12-08¥	8G-8MBX45	7100-02495	1/2	12.7	3/4-16	1	1	28.4	77.2	39.7
MCUMS45-14-08¥	8G-10MBX45	7100-02505	1/2	12.7	7/8-14	1	1	29.5	78.3	40.8

NOTE: Internal O-Rings rated at 121°C

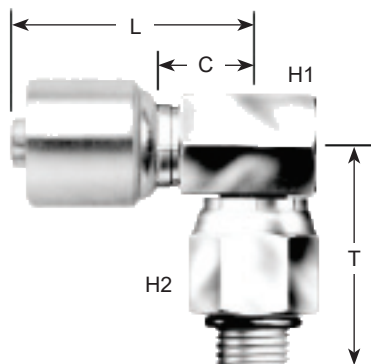
¥ Coupling pricing & availability on request.

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Male O-Ring Boss Swivel - 90° Block



SAE J1926/3 ISO 11926-3 Light-Duty (L Series)
Stud End

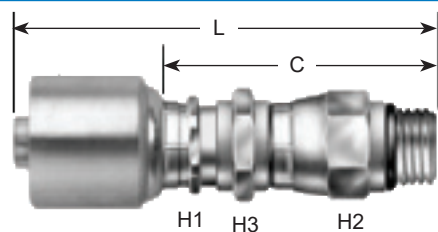
NOT TO BE USED AS A LIVE SWIVEL.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCUMS90-08-04¥	4G-5MBX90	7100-12555	1/4	6.4	1/2-20	11/16	11/16	40.0	46.3	20.2
MCUMS90-09-04¥	4G-6MBX90	7100-12515	1/4	6.4	9/16-18	11/16	7/8	41.8	46.3	20.2
MCUMS90-09-06¥	6G-6MBX90	7100-12525	3/8	9.5	9/16-18	3/4	7/8	42.5	49.7	21.7
MCUMS90-12-06¥	6G-8MBX90	7100-12535	3/8	9.5	3/4-16	3/4	1	41.3	49.0	21.1
MCUMS90-14-06¥	6G-10MBX90	7100-12545	3/8	9.5	7/8-14	3/4	1	42.8	49.6	21.7
MCUMS90-12-08¥	8G-8MBX90	7100-02555	1/2	12.7	3/4-16	1	1	44.5	64.7	27.2
MCUMS90-14-08¥	8G-10MBX90	7100-02565	1/2	12.7	7/8-14	1	1	46.0	64.7	27.2
MCUMS90-17-08¥	8G-12MBX90	7100-02575	1/2	12.7	1 1/16-12	1	1 5/16	53.1	64.1	26.6
MCUMS90-14-10¥	10G-10MBX90	7100-02585	5/8	15.8	7/8-14	1	1	46.0	60.9	23.5
MCUMS90-17-12¥	12G-12MBX90	7100-02595	3/4	19	1 1/16-12	1 3/8	1 5/16	60.6	80.7	29.7

NOTE: Internal O-Rings rated at 121°C

¥ Coupling pricing & availability on request.

Male O-Ring Boss Adaptor-less Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	H3	L	C
			inch	mm		mm	mm	mm	mm	mm
MCUMA-07-04¥	4G-4MBAX	7100-17115	1/4	6.4	7/16-20	14.0	17.0	17.0	81.0	55.0
MCUMA-09-04¥	4G-6MBAX	7100-17135	1/4	6.4	9/16-18	14.0	17.0	17.0	81.0	55.0
MCUMA-09-06¥	6G-6MBAX	7100-17215	3/8	9.5	9/16-18	17.0	22.0	22.0	87.5	59.6
MCUMA-12-06¥	6G-8MBAX	7100-17225	3/8	9.5	3/4-16	17.0	22.0	22.0	87.0	59.1
MCUMA-12-08¥	8G-8MBAX	7100-17265	1/2	12.7	3/4-16	22.0	24.0	24.0	102.0	64.5
MCUMA-14-10¥	10G-10MBAX	7100-17315	5/8	15.8	7/8-14	24.0	30.0	30.0	108.0	70.5
MCUMA-17-12¥	12G-12MBAX	7100-17365	3/4	19	1 1/16-12	27.0	36.0	36.0	131.0	80.0

NOTE: Internal O-Rings rated at 121°C

¥ Coupling pricing & availability on request.

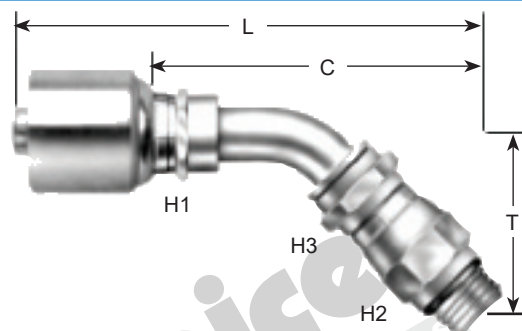
Wire Braid Fittings

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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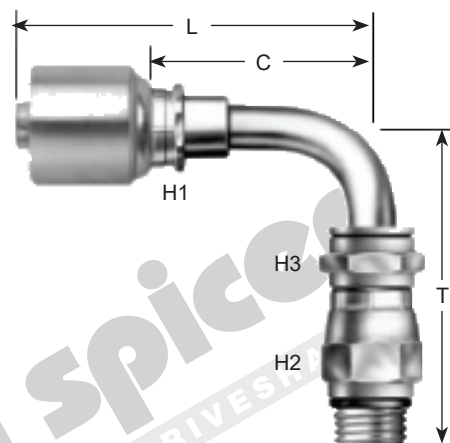
Male O-Ring Boss Adaptor-less Swivel - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	H3	T	L	C
			inch	mm		inch	mm	mm	mm	mm	mm
MCUMA45-07-04¥	4G-4MBAX45	7100-17615	1/4	6.4	7/16-20	11/16	17.0	17.0	36.0	90.0	64.0
MCUMA45-09-06¥	6G-6MBAX45	7100-17715	3/8	9.5	9/16-18	5/8	22.0	22.0	40.0	101.0	73.1
MCUMA45-12-06¥	6G-8MBAX45	7100-17725	3/8	9.5	3/4-16	5/8	22.0	22.0	40.0	101.0	73.1
MCUMA45-12-08¥	8G-8MBAX45	7100-17765	1/2	12.7	3/4-16	13/16	24.0	24.0	46.0	122.0	84.5
MCUMA45-14-10¥	10G-10MBAX45	7100-17815	5/8	15.8	7/8-14	15/16	30.0	30.0	50.0	129.0	92.0
MCUMA45-17-12¥	12G-12MBAX45	7100-17865	3/4	19	1 1/16-12	1 1/16	36.0	36.0	56.0	152.0	101.0

NOTE: Internal O-Rings rated at 121°C

Male O-Ring Boss Adaptor-less Swivel - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	H3	T	L	C
			inch	mm		inch	mm	mm	mm	mm	mm
MCUMA90-07-04-¥	4G-4MBAX90S	7100-18115	1/4	6.4	7/16-20	1/2	17.0	17.0	59.0	68.0	42.0
MCUMA90L-07-04-¥	4G-4MBAX90L	7100-19115	1/4	6.4	7/16-20	1/2	17.0	17.0	85.0	61.0	35.0
MCUMA90-09-06¥	6G-6MBAX90S	7100-18215	3/8	9.5	9/16-18	5/8	22.0	22.0	66.0	78.0	50.1
MCUMA90-12-06¥	6G-8MBAX90S	7100-18225	3/8	9.5	3/4-16	5/8	22.0	22.0	66.0	78.0	50.1
MCUMA90L-09-06¥	6G-6MBAX90L	7100-19215	3/8	9.5	9/16-18	5/8	22.0	22.0	96.0	70.0	42.1
MCUMA90-12-08¥	8G-8MBAX90S	7100-18265	1/2	12.7	3/4-16	13/16	24.0	24.0	77.0	96.5	59.0
MCUMA90L-12-08¥	8G-8MBAX90L	7100-19265	1/2	12.7	3/4-16	13/16	24.0	24.0	112.0	87.5	50.0
MCUMA90-14-10¥	10G-10MBAX90S	7100-18315	5/8	15.8	7/8-14	15/16	30.0	30.0	86.0	106.5	69.0
MCUMA90L-14-10¥	10G-10MBAX90L	7100-19315	5/8	15.8	7/8-14	15/16	30.0	30.0	126.0	95.5	58.0
MCUMA90-17-10¥	10G-12MBAX90S	7100-18325	5/8	15.8	1 1/16-12	15/16	36.0	36.0	97.0	114.0	77.0
MCUMA90-17-12¥	12G-12MBAX90S	7100-18365	3/4	19	1 1/16-12	1 1/16	36.0	36.0	97.0	127.0	76.0
MCUMA90L-17-12¥	12G-12MBAX90L	7100-19365	3/4	19	1 1/16-12	1 1/16	36.0	36.0	143.0	114.0	63.0

NOTE: Internal O-Rings rated at 121°C

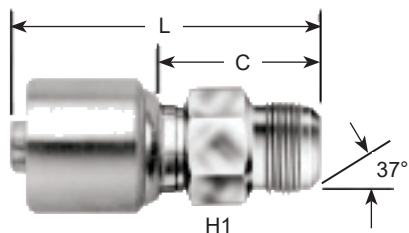
¥ Coupling pricing & availability on request.

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Male JIC 37° Flare - Metric Hex

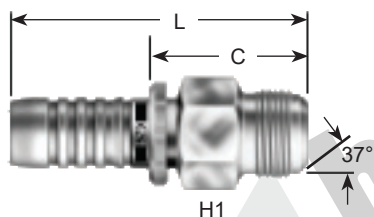


Refer to earlier release catalogues
for imperial dimensions and data

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1 mm	L mm	C mm
			inch	mm				
MCJM-07-04	4G-4MJ	7103-36045	1/4	6.4	7/16-20	14	55.5	29.5
MCJM-08-04	4G-5MJ	7103-36055	1/4	6.4	1/2-20	14	55.5	29.5
MCJM-09-04	4G-6MJ	7103-36065	1/4	6.4	9/16-18	17	56.5	30.5
MCJM-09-05¥	5G-6MJ	7103-36115	5/16	7.9	9/16-18	17	57.5	29.5
MCJM-09-06	6G-6MJ	7103-36155	3/8	9.5	9/16-18	17	58.5	30.6
MCJM-12-06	6G-8MJ	7103-36165	3/8	9.5	3/4-16	19	63.0	35.1
MCJM-14-06	6G-10MJ	7103-36175	3/8	9.5	7/8-14	24	67.0	39.1
MCJM-12-08	8G-8MJ	7103-36215	1/2	12.7	3/4-16	22	71.5	34.0
MCJM-14-08	8G-10MJ	7103-36225	1/2	12.7	7/8-14	24	74.0	36.5
MCJM-17-08	8G-12MJ	7103-36235	1/2	12.7	1 1/16-12	27	81.0	43.5
MCJM-12-10¥	10G-8MJ	7103-36265	5/8	15.8	3/4-16	24	74.5	37.0
MCJM-14-10	10G-10MJ	7103-36275	5/8	15.8	7/8-14	24	77.0	39.5
MCJM-17-10	10G-12MJ	7103-36285	5/8	15.8	1 1/16-12	27	81.0	43.5
MCJM-17-12	12G-12MJ	7103-36325	3/4	19	1 1/16-12	27	94.5	43.5
MCJM-19-12¥	12G-14MJ	7103-36335	3/4	19	1 3/16-12	32	95.5	44.5
MCJM-21-12	12G-16MJ	7103-36345	3/4	19	1 5/16-12	36	96.0	45.0
MCJM-21-16	16G-16MJ	7103-36385	1	25.4	1 5/16-12	36	104.5	47.7
MCJM-26-16¥	16G-20MJ	7103-36395	1	25.4	1 5/8-12	46	109.0	52.2
MCJM-26-20	20G-20MJ	7103-36435	1 1/4	31.7	1 5/8-12	46	112.5	53.5

¥ Coupling pricing & availability on request.

Male JIC 37° Flare



Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1 Inch	L mm	C mm
			Inch	mm				
GSPJM-26-24 ¥	24GSP-20MJ	7347-81455	1 1/2	38.1	1 5/8-12	1.97	127	53.7
GSPJM-30-24	24GSP-24MJ	7347-81465	1 1/2	38.1	1 7/8-12	1.97	130	56.4
GSPJM-40-32	32GSP-32MJ	7347-81535	2	50.8	2 1/2-12	2.56	161.1	69.1

Wire Braid Fittings

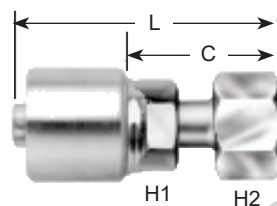
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Document No:	HSKYDCAT
Issue:	7
Issue Date:	01/11/16

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Female JIC 37° Flare Swivel

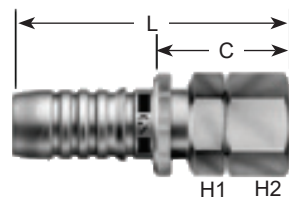
Refer to earlier release catalogues for imperial dimensions and data



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		mm	mm	mm	mm
MCJF-07-04	4G-4FJX	7103-08045	1/4	6.4	7/16-20	15.0	14.0	55.9	29.9
MCJF-08-04	4G-5FJX	7103-08055	1/4	6.4	1/2-20	15.0	17.0	58.3	32.3
MCJF-09-04	4G-6FJX	7103-08065	1/4	6.4	9/16-18	15.0	19.0	59.6	33.6
MCJF-08-05¥	5G-5FJX	7103-09095	5/16	7.9	1/2-20	17.0	17.0	62.1	34.1
MCJF-09-05¥	5G-6FJX	7103-09105	5/16	7.9	9/16-18	17.0	19.0	63.6	35.6
MCJF-07-06¥	6G-4FJX	7103-09135	3/8	9.5	7/16-20		14.0	74.7	46.8
MCJF-08-06¥	6G-5FJX	7103-09125	3/8	9.5	1/2-20	17.0	17.0	75.2	47.3
MCJF-09-06	6G-6FJX	7103-08145	3/8	9.5	9/16-18	18.0	19.0	61.5	32.7
MCJF-12-06	6G-8FJX	7103-08155	3/8	9.5	3/4-16	18.0	24.0	66.7	37.9
MCJF-14-06	6G-10FJX	7103-08165	3/8	9.5	7/8-14	18.0	27.0	70.0	41.2
MCJF-09-08¥	8G-6FJX	7103-09195	1/2	12.7	9/16-18	22.0	19.0	88.1	50.6
MCJF-12-08	8G-8FJX	7103-08205	1/2	12.7	3/4-16	22.0	24.0	73.2	38.0
MCJF-14-08	8G-10FJX	7103-08215	1/2	12.7	7/8-14	22.0	27.0	76.5	41.3
MCJF-17-08	8G-12FJX	7103-08225	1/2	12.7	1 1/16-12	22.0	32.0	77.7	42.5
MCJF-12-10¥	10G-8FJX	7103-09255	5/8	15.8	3/4-16	24.0	24.0	92.6	55.1
MCJF-14-10	10G-10FJX	7103-08265	5/8	15.8	7/8-14	24.0	27.0	79.7	42.2
MCJF-17-10	10G-12FJX	7103-08275	5/8	15.8	1 1/16-12	24.0	32.0	81.4	43.9
MCJF-19-10¥	10G-14FJX	7103-08285	5/8	15.8	1 3/16-12	24.0	36.0	86.1	48.6
MCJF-14-12	12G-10FJX	7103-09315	3/4	19	7/8-14	27.0	27.0	122.0	71.0
MCJF-17-12	12G-12FJX	7103-08325	3/4	19	1 1/16-12	30.0	32.0	98.1	47.1
MCJF-19-12¥	12G-14FJX	7103-08335	3/4	19	1 3/16-12	30.0	36.0	96.9	45.9
MCJF-21-12	12G-16FJX	7103-08345	3/4	19	1 5/16-12	30.0	41.0	101.3	50.3
MCJF-17-16	16G-12FJX	7103-09375	1	25.4	1 1/16-12	36.0	32.0	136.0	79.2
MCJF-19-16¥	16G-14FJX	7103-09385	1	25.4	1 3/16-12	36.0	36.0	146.0	89.2
MCJF-21-16 ‡	16G-16FJX	7103-08395	1	25.4	1 5/16-12	36.0	41.0	107.8	51.0
MCJF-26-16 ‡	16G-20FJX	7103-08405	1	25.4	1 5/8-12	36.0	50.0	115.3	58.5
MCJF-26-20 ‡	20G-20FJX	7100-01145	1 1/4	31.7	1 5/8-12	44.5	50.8	116.9	57.9
MCJF-30-20 ‡	20G-24FJX	7100-01155	1 1/4	31.7	1 7/8-12	47.6	57.5	123.2	66.8

¥ Coupling pricing & availability on request. ‡ These parts will be phased out and replaced with the new ISO metric series.

Female JIC 37° Flare Swivel



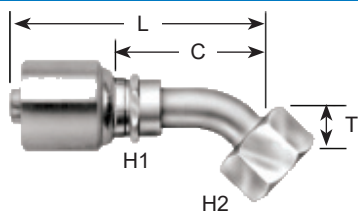
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			Inch	mm		Inch	Inch	mm	mm
GSPJF-30-24	24GSP-24FJX	7347-82455	1 1/2	38.1	1 7/8-12	1.97	2.36	143.4	69.7
GSPJF-40-24 ¥	24GSP-32FJX	7347-82465	1 1/2	38.1	2 1/2-12	2.56	2.95	172.6	80.6
GSPJF-40-32	32GSP-32FJX	7347-82525	2	50.8	2 1/2-12	2.56	2.95	172.6	80.6

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female JIC 37° Flare Swivel - 30° Bent Tube



Refer to earlier release catalogues
for imperial dimensions and data

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCJF30-17-10¥	10G-12FJX30-018	7103-57005	5/8	15.8	1 1/16-12	23.9	32.0	18.0	112.4	74.9
MCJF30-14-12¥	12G-10FJX30-018	7103-59005	3/4	19	7/8-14	27.0	27.0	18.0	113.0	62.0

¥ Coupling pricing & availability on request.

Wire Braid Fittings

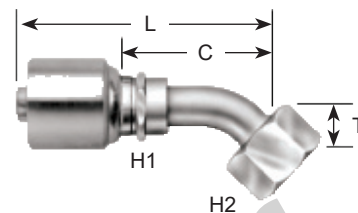
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Issue:	7
Issue Date:	01/11/16

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Female JIC 37° Flare Swivel - 45° Bent Tube

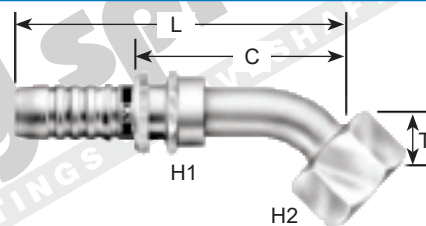
Refer to earlier release catalogues
for imperial dimensions and data



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCJF45S-07-04	4G-4FJX45S	7103-46055	1/4	6.4	7/16-20	12.7	14.0	10.0	69.7	43.7
MCJF45-08-04¥	4G-5FJX45-011	7103-46075	1/4	6.4	1/2-20	17.0	17.0	11.0	65.8	39.7
MCJF45S-09-04	4G-6FJX45S	7103-46135	1/4	6.4	9/16-18	12.7	19.0	11.0	77.8	51.8
MCJF45-08-05¥	5G-5FJX45-011	7103-46175	5/16	7.9	1/2-20	15.9	17.0	11.0	68.3	40.3
MCJF45S-09-05¥	5G-6FJX45S	7103-46195	5/16	7.9	9/16-18	15.9	19.0	11.0	72.4	44.4
MCJF45S-09-06	6G-6FJX45S	7103-46235	3/8	9.5	9/16-18	15.9	19.0	11.0	77.5	49.6
MCJF45S-12-06	6G-8FJX45S	7103-46255	3/8	9.5	3/4-16	15.9	24.0	15.0	89.1	61.6
MCJF45S-12-08	8G-8FJX45S	7103-46295	1/2	12.7	3/4-16	-	24.0	15.0	86.9	49.5
MCJF45S-14-08	8G-10FJX45S	7103-46315	1/2	12.7	7/8-14	20.6	27.0	16.0	96.8	59.4
MCJF45S-14-10	10G-10FJX45S	7103-46355	5/8	15.8	7/8-14	23.8	27.0	16.0	96.4	59.0
MCJF45S-17-10	10G-12FJX45S	7103-46375	5/8	15.8	1 1/16-12	23.8	32.0	21.0	116.0	78.5
MCJF45S-14-12	12G-10FJX45S	7103-46415	3/4	19	7/8-14	27.0	27.0	19.0	116.3	65.3
MCJF45S-17-12	12G-12FJX45S	7103-46425	3/4	19	1 1/16-12	27.0	32.0	21.0	129.2	78.2
MCJF45S-21-12	12G-16FJX45S	7103-46455	3/4	19	1 5/16-12	-	41.0	24.0	133.1	82.1
MCJF45S-21-16	16G-16FJX45S	7103-46505	1	25.4	1 5/16-12	34.9	41.0	24.0	144.3	87.5
MCJF45-26-20	20G-20FJX45-035	7103-46605	1 1/4	31.7	1 5/8-12	44.5	50.0	35.0	169.0	110.0

¥ Coupling pricing & availability on request.

Female JIC 37° Flare Swivel - 45° Bent Tube



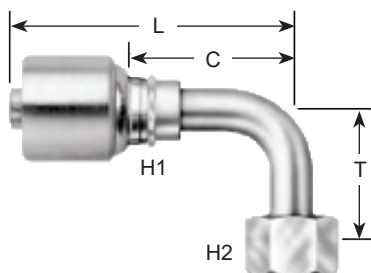
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			Inch	mm		Inch	Inch	mm	mm	mm
GSPJF45-30-24	24GSP-24FJX45-050	7347-83735	1 1/2	38.1	1 7/8-12	2.16	2.36	50	233	159.5

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female JIC 37° Flare Swivel - 90° Bent Tube



Refer to earlier release catalogues
for imperial dimensions and data

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCJF90S-07-04¥	4G-4FJX90S	7103-47045	1/4	6.4	7/16-20	12.7	14.0	21.0	63.1	37.1
MCJF90M-07-04	4G-4FJX90M	7103-47055	1/4	6.4	7/16-20	12.7	14.0	32.0	63.2	37.1
MCJF90L-07-04¥	4G-4FJX90L	7103-47065	1/4	6.4	7/16-20	12.7	14.0	46.0	63.1	37.1
MCJF90S-08-04¥	4G-5FJX90-023	7103-47075	1/4	6.4	1/2-20	12.7	17.0	23.0	62.2	36.2
MCJF90M-08-04	4G-5FJX90M	7103-47095	1/4	6.4	1/2-20	12.7	17.0	32.0	57.2	31.2
MCJF90S-09-04¥	4G-6FJX90S	7103-47125	1/4	6.4	9/16-18	12.7	19.0	23.0	70.5	44.4
MCJF90M-09-04	4G-6FJX90M	7103-47135	1/4	6.4	9/16-18	12.7	19.0	38.0	64.9	38.9
MCJF90L-09-04¥	4G-6FJX90L	7103-47145	1/4	6.4	9/16-18	12.7	19.0	54.0	69.3	43.2
MCJF90S-09-05¥	5G-6FJX90S	7103-47165	5/16	7.9	9/16-18	15.9	19.0	23.0	75.2	47.2
MCJF90M-09-05¥	5G-6FJX90M	7103-47175	5/16	7.9	9/16-18	15.9	19.0	38.0	76.0	48.0
MCJF90S-07-06¥	6G-4FJX90S	7103-47195	3/8	9.5	7/16-20	15.9	14.0	21.0	66.1	38.2
MCJF90L-07-06¥	6G-4FJX90L	7103-47635	3/8	9.5	7/16-20	15.9	14.0	46.0	60.2	32.3
MCJF90S-09-06¥	6G-6FJX90S	7103-47205	3/8	9.5	9/16-18	15.9	19.0	23.0	74.2	46.3
MCJF90M-09-06	6G-6FJX90M	7103-47215	3/8	9.5	9/16-18	15.9	19.0	38.0	74.2	46.3
MCJF90L-09-06¥	6G-6FJX90L	7103-47225	3/8	9.5	9/16-18	15.9	19.0	54.0	74.2	46.3
MCJF90S-12-06¥	6G-8FJX90S	7103-47245	3/8	9.5	3/4-16	15.9	24.0	29.0	82.6	54.7
MCJF90M-12-06	6G-8FJX90M	7103-47255	3/8	9.5	3/4-16	15.9	24.0	41.0	84.1	56.2
MCJF90L-12-06¥	6G-8FJX90L	7103-47265	3/8	9.5	3/4-16	15.9	24.0	64.0	84.5	56.6
MCJF90M-14-06¥	6G-10FJX90M	7103-47235	3/8	9.5	7/8-14	-	27.0	47.0	82.5	54.6
MCJF90S-12-08¥	8G-8FJX90S	7103-47285	1/2	12.7	3/4-16	-	24.0	29.0	81.0	43.5
MCJF90M-12-08	8G-8FJX90M	7103-47295	1/2	12.7	3/4-16	-	24.0	41.0	77.3	39.9
MCJF90L-12-08¥	8G-8FJX90L	7103-47305	1/2	12.7	3/4-16	-	24.0	64.0	77.3	39.9
MCJF90S-14-08¥	8G-10FJX90S	7103-47325	1/2	12.7	7/8-14	20.6	27.0	32.0	93.3	55.8
MCJF90M-14-08	8G-10FJX90M	7103-47335	1/2	12.7	7/8-14	20.6	27.0	47.0	93.3	55.8
MCJF90L-14-08¥	8G-10FJX90L	7103-47345	1/2	12.7	7/8-14	20.6	27.0	70.0	93.3	55.8
MCJF90S-17-08¥	8G-12FJX90S	7103-47355	1/2	12.7	1 1/16-12	-	32.0	48.0	105.0	67.5
MCJF90S-14-10¥	10G-10FJX90-036	7103-47655	5/8	15.8	7/8-14	23.8	27.0	36.0	89.0	51.5
MCJF90M-14-10	10G-10FJX90M	7103-47375	5/8	15.8	7/8-14	23.8	27.0	47.0	93.4	55.9
MCJF90L-14-10¥	10G-10FJX90L	7103-47385	5/8	15.8	7/8-14	23.8	27.0	70.0	85.9	48.4
MCJF90S-17-10¥	10G-12FJX90S	7103-47405	5/8	15.8	1 1/16-12	23.8	32.0	48.0	106.1	68.6
MCJF90L-17-10¥	10G-12FJX90L	7103-47425	5/8	15.8	1 1/16-12	23.8	32.0	96.0	116.5	79.0
MCJF90M-14-12¥	12G-10FJX90M	7103-47435	3/4	19	7/8-14	27.0	27.0	47.0	114.1	63.1
MCJF90S-17-12¥	12G-12FJX90S	7103-47445	3/4	19	1 1/16-12	27.0	32.0	48.0	122.4	71.4
MCJF90M-17-12	12G-12FJX90M	7103-47455	3/4	19	1 1/16-12	27.0	32.0	58.0	122.4	71.4
MCJF90L-17-12¥	12G-12FJX90L	7103-47465	3/4	19	1 1/16-12	27.0	32.0	96.0	122.4	71.4
MCJF90S-19-12¥	12G-14FJX90-054	7103-47615	3/4	19	1 3/16-12	27.0	36.0	54.0	124.6	73.0
MCJF90L-19-12¥	12G-14FJX90-100	7103-47625	3/4	19	1 3/16-12	27.0	36.0	100.0	107.4	56.4

Cont.

Wire Braid Fittings

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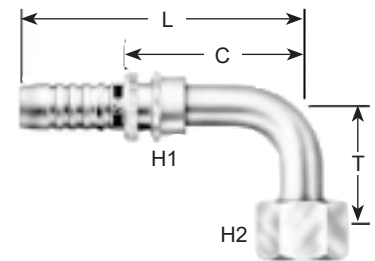
Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

Female JIC 37° Flare Swivel - 90° Bent Tube (Cont.)

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCJF90S-21-12	12G-16FJX90S	7103-47475	3/4	19	1 5/16-12	-	41.0	56.0	132.0	81.7
MCJF90M-21-12¥	12G-16FJX90S	7103-14535	3/4	19	1 5/16-12	34.9	41.0	71.0	131.1	80.1
MCJF90S-21-16¥	16G-16FJX90S	7103-47485	1	25.4	1 5/16-12	34.9	41.0	56.0	145.6	88.8
MCJF90M-21-16	16G-16FJX90M	7103-47495	1	25.4	1 5/16-12	34.9	41.0	71.0	120.2	63.4
MCJF90L-21-16¥	16G-16FJX90L	7103-47505	1	25.4	1 5/16-12	34.9	41.0	114.0	120.3	63.5
MCJF90S-26-16¥	16G-20FJX90S	7103-47535	1	25.4	1 5/8-12	34.9	50.0	64.0	157.0	75.5
MCJF90M-26-20	20G-20FJX90M	7103-47575	1 1/4	31.7	1 5/8-12	44.5	50.0	78.0	159.0	100.0
MCJF90L-26-20¥	20G-20FJX90L	7103-47585	1 1/4	31.7	1 5/8-12	44.5	50.0	129.0	158.0	99.0

¥ Coupling pricing & availability on request.

Female JIC 37° Flare Swivel - 90° Bent Tube



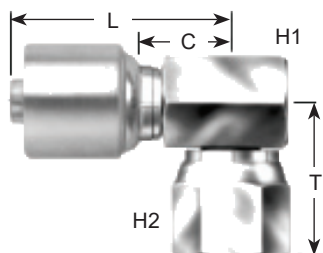
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			Inch	mm		Inch	Inch	mm	mm	mm
GSPJF90S-30-24	24GSP-24FJX90-089	7347-84745	1 1/2	38.1	1 7/8-12	2.16	2.36	89	212	138.4
GSPJF90M-30-24	24GSP-24FJX90-118	7347-84755	1 1/2	38.1	1 7/8-12	2.16	2.36	118	189.5	115.8

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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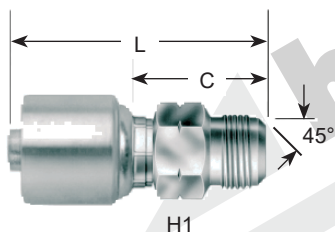
Female JIC 37° Flare Swivel - 90° Block



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCJF90C-21-12¥	12G-16FJX90BL	7101-50545	3/4	19	1.5/16-12	1 3/8	1 1/2	53.2	95.0	44.0

¥ Coupling pricing & availability on request.

Male SAE 45° Flare



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
MCSM-07-04¥	4G-4MS	7100-11815	1/4	6.4	7/16-20	1/2	53.5	27.5
MCSM-08-04¥	4G-5MS	7100-11825	1/4	6.4	1/2-20	1/2	54.8	28.8
MCSM-10-06¥	6G-6MS	7100-11835	3/8	9.5	5/8-18	5/8	58.0	30.1
MCSM-12-06¥	6G-8MS	7100-11845	3/8	9.5	3/4-16	3/16	61.4	33.4
MCSM-12-08¥	8G-8MS	7100-01855	1/2	12.7	3/4-16	13/16	70.5	33.0
MCSM-14-08¥	8G-10MS	7100-01865	1/2	12.7	7/8-14	7/8	73.5	36.0
MCSM-17-12¥	12G-12MS	7100-01875	3/4	19	1 1/16-14	1 1/16	96.0	45.0

¥ Coupling pricing & availability on request.

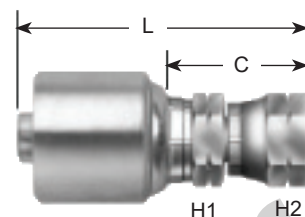
Wire Braid Fittings

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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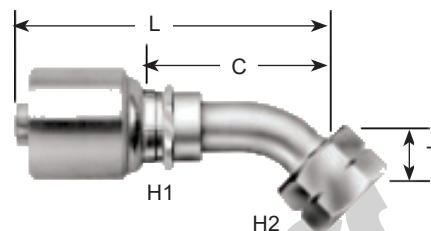
Female SAE 45° Flare Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCSF-07-04¥	4G-4FSX	7100-11885	1/4	6.4	7/16-20	1/2	9/16	57.0	31.0
MCSF-08-04¥	4G-5FSX	7100-11895	1/4	6.4	1/2-20	1/2	11/16	56.2	30.2
MCSF-10-04¥	4G-6FSX	7100-11905	1/4	6.4	5/8-18	5/8	3/4	58.7	32.6
MCSF-10-05¥	5G-6FSX	7100-11935	5/16	7.9	5/8-18	5/8	3/4	62.1	34.1
MCSF-10-06	6G-6FSX	7100-11915	3/8	9.5	5/8-18	5/8	3/4	62.1	34.2
MCSF-12-06¥	6G-8FSX	7100-11925	3/8	9.5	3/4-16	11/16	7/8	63.1	35.1
MCSF-12-08¥	8G-8FSX	7100-01935	1/2	12.7	3/4-16	13/16	7/8	71.6	34.1
MCSF-14-08¥	8G-10FSX	7100-01945	1/2	12.7	7/8-14	13/16	1 1/16	75.9	38.4
MCSF-17-12	12G-12FSX	7100-01955	3/4	19	1 1/16-14	1 1/16	1 1/4	93.5	42.5

¥ Coupling pricing & availability on request.

Female SAE 45° Flare Swivel - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCSF45-08-04¥	4G-5FSX45-009	7100-01965	1/4	6.4	1/2-20	1 1/16	5/8	9.1	66.9	40.9
MCSF45-10-06¥	6G-6FSX45	7100-11995	3/8	9.5	5/8-18	5/8	3/4	9.9	69.5	41.6
MCSF45-12-06¥	6G-8FSX45-014	7100-02035	3/8	9.5	3/4-16	5/8	7/8	14.0	87.8	59.9
MCSF45-12-08¥	8G-8FSX45	7100-02015	1/2	12.7	3/4-16	13/16	7/8	14.0	84.0	46.5
MCSF45-14-08¥	8G-10FSX45-016	7100-02055	1/2	12.7	7/8-14	13/16	1	16.0	93.1	55.6
MCSF45-17-12¥	12G-12FSX45	7100-02045	3/4	19.1	1 1/16-14	1 1/16	1 1/4	19.8	111.0	60.0

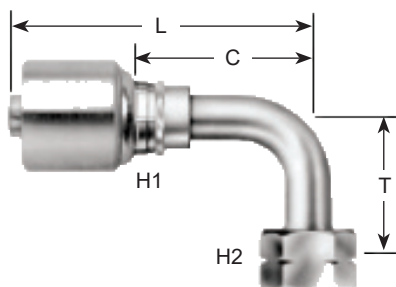
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female SAE 45° Flare Swivel - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCSF90-07-04¥	4G-4FSX90	7100-12055	1/4	6.4	7/16-20	1/2	9/16	31.5	52.0	26.0
MCSF90-08-04¥	4G-5FSX90-046	7100-01985	1/4	6.4	1/2-20	1/2	5/8	45.7	62.8	36.8
MCSF90-10-05¥	5G-6FSX90-022	7100-02005	5/16	7.9	5/8-18	5/8	3/4	21.6	70.4	42.4
MCSF90-10-06	6G-6FSX90	7100-12105	3/8	9.5	5/8-18	5/8	3/4	38.5	60.0	32.1
MCSF90L-10-06¥	6G-6FSX90-055	7100-01995	3/8	9.5	5/8-18	5/8	3/4	55.4	71.8	43.9
MCSF90-12-06¥	6G-8FSX90	7100-02125	3/8	9.5	3/4-16	5/8	7/8	44.5	74.5	37.0
MCSF90-12-08¥	8G-8FSX90	7100-02135	1/2	12.7	3/4-16	13/16	7/8	44.5	74.5	37.0
MCSF90-14-08¥	8G-10FSX90-031	7100-02065	1/2	12.7	7/8-14	13/16	1	31.2	83.5	46.0
MCSF90-17-12	12G-12FSX90	7100-02185	3/4	19.0	1 1/16-14	1 1/16	1 1/4	70.5	100.0	49.0

¥ Coupling pricing & availability on request.

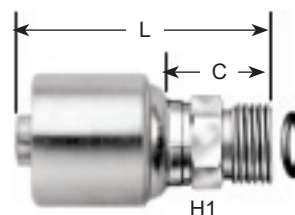
Wire Braid Fittings

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

Male Flat-Face O-Ring

SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		mm	mm	mm
MCORFM-09-04	4G-4MFFOR	7104-16045	1/4	6.4	9/16-18	17.0	52.5	26.5
MCORFM-11-04¥	4G-6MFFOR	7104-16055	1/4	6.4	11/16-16	19.0	54.0	28.0
MCORFM-11-06	6G-6MFFOR	7104-16075	3/8	9.5	11/16-16	19.0	56.0	28.1
MCORFM-13-06¥	6G-8MFFOR	7104-16085	3/8	9.5	13/16-16	22.0	59.0	31.1
MCORFM-16-06¥	6G-10MFFOR	7104-16095	3/8	9.5	1-14	27.0	64.0	36.1
MCORFM-13-08	8G-8MFFOR	7104-16115	1/2	12.7	13/16-16	22.0	68.2	30.7
MCORFM-16-08¥	8G-10MFFOR	7104-16125	1/2	12.7	1-14	27.0	73.0	35.5
MCORFM-16-10	10G-10MFFOR	7104-16155	5/8	15.8	1-14	27.0	68.5	31.0
MCORFM-19-10¥	10G-12MFFOR	7104-16165	5/8	15.8	1 3/16-12	32.0	72.0	34.5
MCORFM-19-12	12G-12MFFOR	7104-16185	3/4	19.0	1 3/16-12	32.0	90.0	39.0
MCORFM-23-12¥	12G-16MFFOR	7104-16195	3/4	19.0	1 7/16-12	41.0	95.0	44.0
MCORFM-23-16	16G-16MFFOR	7104-16215	1	25.4	1 7/16-12	41.0	102.0	45.2
MCORFM-27-16¥	16G-20MFFOR	7104-16225	1	25.4	1 11/16-12	46.0	105.0	48.2
MCORFM-27-20	20G-20MFFOR	7104-16245	1 1/4	31.7	1 11/16-12	46.0	109.0	50.0

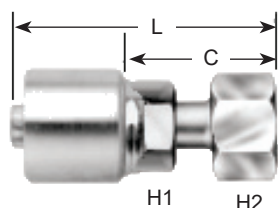
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female Flat-Face O-Ring Swivel



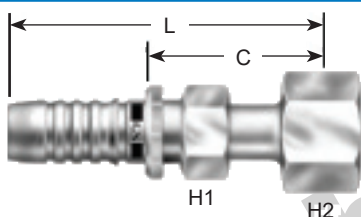
SAE J1453 O-Ring Face Seal.

Refer to earlier release catalogues
for imperial dimensions and data

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		mm	mm	mm	mm
MCORF-09-04	4G-4FFORX	7104-18045	1/4	6.4	9/16-18	15.0	17.0	52.7	26.7
MCORF-11-04	4G-6FFORX	7104-18055	1/4	6.4	11/16-16	15.0	22.0	51.1	25.1
MCORF-11-05¥	5G-6FFORX	7104-19505	5/16	7.9	11/16-16	17.0	22.0	61.5	33.5
MCORF-09-06¥	6G-4FFORX	7104-19085	3/8	9.5	9/16-18	17.0	17.0	78.3	50.3
MCORF-11-06	6G-6FFORX	7104-18095	3/8	9.5	11/16-16	18.0	22.0	57.7	28.9
MCORF-13-06	6G-8FFORX	7104-18105	3/8	9.5	13/16-16	18.0	24.0	57.4	28.6
MCORF-11-08¥	8G-6FFORX	7104-18145	1/2	12.7	11/16-16	22.0	22.0	95.9	34.9
MCORF-13-08	8G-8FFORX	7104-18155	1/2	12.7	13/16-16	22.0	24.0	65.5	31.3
MCORF-16-08	8G-10FFORX	7104-18165	1/2	12.7	1-14	22.0	30.0	70.0	34.8
MCORF-19-08	8G-12FFORX	7104-18175	1/2	12.7	1 3/16-12	22.0	36.0	66.5	31.3
MCORF-16-10	10G-10FFORX	7104-18205	5/8	15.8	1-14	24.0	30.0	76.0	38.5
MCORF-19-10	10G-12FFORX	7104-18215	5/8	15.8	1 3/16-12	24.0	36.0	77.0	39.5
MCORF-14-12¥	12G-10FFORX	7104-19245	3/4	19.0	1-14	30.0	30.0	95.1	44.1
MCORF-19-12	12G-12FFORX	7104-18255	3/4	19.0	1 3/16-12	30.0	36.0	92.8	41.8
MCORF-23-12	12G-16FFORX	7104-18265	3/4	19.0	1 7/16-12	30.0	41.0	88.3	37.3
MCORF-19-16¥ ‡	16G-12FFORX	7104-19295	1	25.4	1 3/16-12	36.0	36.0	141.8	85.0
MCORF-23-16 ‡	16G-16FFORX	7104-18305	1	25.4	1 7/16-12	36.0	41.0	104.0	47.2
MCORF-27-16¥ ‡	16G-20FFORX	7104-18315	1	25.4	1 11/16-12	36.0	50.0	103.0	46.2
MCORF-27-20 ‡	20G-20FFORX	7102-03945	1 1/4	31.7	1 11/16-12	44.5	47.6	114.4	55.4

¥ Coupling pricing & availability on request. ‡ These parts will be phased out and replace with the new ISO metric series.

Female Flat-Face Swivel



Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			Inch	mm		Inch	Inch	mm	mm
GSPORF-32-24	24GSP-24FFORX	7347-30725	1 1/2	38.1	2-12	2.17	2.36	137	63.4

Wire Braid Fittings

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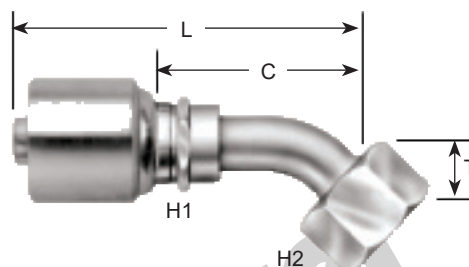
Document No:	HSFYDCAT
Issue:	7
Issue Date:	01/11/16

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Female Flat-Face O-Ring Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.

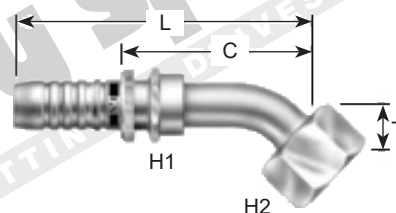
Refer to earlier release catalogues for imperial dimensions and data



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCORF45S-09-04	4G-4FFORX45S	7104-22045	1/4	6.4	9/16-18	12.7	17.0	10.0	65.2	39.2
MCORF45S-11-04	4G-6FFORX45S	7104-22055	1/4	6.4	11/16-16	12.7	22.0	11.0	68.5	42.5
MCORF45S-11-05¥	5G-6FFORX45S	7104-22335	5/16	7.9	11/16-16	15.9	22.0	11.0	69.3	41.3
MCORF45S-09-06¥	6G-4FFORX45S	7104-22075	3/8	9.5	9/16-18	15.9	17.0	10.0	66.1	38.1
MCORF45S-11-06	6G-6FFORX45S	7104-22085	3/8	9.5	11/16-16	15.9	22.0	11.0	69.8	41.9
MCORF45S-13-06	6G-8FFORX45S	7104-22095	3/8	9.5	13/16-16	15.9	24.0	15.0	85.2	57.3
MCORF45S-11-08¥	8G-6FFORX45S	7104-22125	1/2	12.7	11/16-16	20.6	22.0	11.0	90.7	53.2
MCORF45S-13-08	8G-8FFORX45S	7104-22135	1/2	12.7	13/16-16	-	24.0	15.0	89.0	51.6
MCORF45S-16-08	8G-10FFORX45S	7104-22145	1/2	12.7	1-14	20.6	30.0	16.0	101.0	63.5
MCORF45S-19-08¥	8G-12FFORX45S	7104-22155	1/2	12.7	1 3/16-12	-	36.0	21.0	110.3	72.8
MCORF45S-16-10	10G-10FFORX45S	7104-22175	5/8	15.8	1-14	23.8	30.0	16.0	100.5	63.0
MCORF45S-19-10	10G-12FFORX45S	7104-22185	5/8	15.8	1 3/16-12	23.8	36.0	21.0	105.9	68.4
MCORF45S-16-12	12G-10FFORX45S	7104-22215	3/4	19.0	1-14	27.0	30.0	16.0	113.0	62.0
MCORF45S-19-12	12G-12FFORX45S	7104-22225	3/4	19.0	1 3/16-12	27.0	36.0	21.0	118.5	67.4
MCORF45S-23-12¥	12G-16FFORX45S	7104-22235	3/4	19.0	1 7/16-12	27.0	41.0	24.0	122.0	71.0
MCORF45S-19-16¥	16G-12FFORX45S	7104-22255	1	25.4	1 3/16-12	34.9	36.0	21.0	132.5	75.7
MCORF45S-23-16	16G-16FFORX45S	7104-22265	1	25.4	1 7/16-12	34.9	41.0	24.0	146.9	90.1
MCORF45S-27-20	20G-20FFORX45S	7104-22295	1 1/4	31.7	1 11/16-12	44.5	50.0	25.0	158.0	99.0

¥ Coupling pricing & availability on request.

Female Flat-Face Swivel - 45° Bent Tube



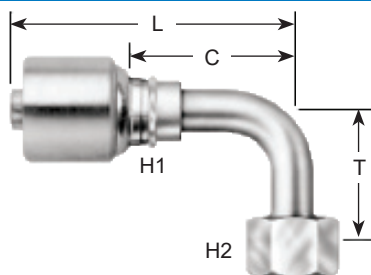
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			Inch	mm		Inch	Inch	mm	mm	mm
GSPORF45-32-24	24GSP-24FFORX45-036	7347-31725	1 1/2	38.1	2-12	2.17	2.36	36	206.5	132.8

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female Flat-Face O-Ring Swivel - 90° Bent Tube



SAE J1453 O-Ring Face Seal.

Refer to earlier release catalogues for imperial dimensions and data

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCORF90S-09-04¥	4G-4FFORX90S	7104-24045	1/4	6.4	9/16-18	12.7	17.0	21.0	60.2	34.4
MCORF90M-09-04	4G-4FFORX90M	7104-24055	1/4	6.4	9/16-18	12.7	17.0	32.0	56.2	30.2
MCORF90L-09-04¥	4G-4FFORX90L	7104-24065	1/4	6.4	9/16-18	12.7	17.0	46.0	56.2	30.2
MCORF90S-11-04¥	4G-6FFORX90S	7104-24095	1/4	6.4	11/16-16	12.7	22.0	23.0	63.4	37.4
MCORF90M-11-04	4G-6FFORX90M	7104-24105	1/4	6.4	11/16-16	12.7	22.0	38.0	63.4	37.4
MCORF90L-11-04¥	4G-6FFORX90L	7104-24115	1/4	6.4	11/16-16	12.7	22.0	54.0	61.6	35.6
MCORF90M-13-04	4G-8FFORX90M	7104-24165	1/4	6.4	13/16-16	-	24.0	64.0	67.1	41.1
MCORF90S-11-05¥	5G-6FFORX90S	7104-24955	5/16	7.9	11/16-16	15.9	22.0	23.0	72.0	44.0
MCORF90S-09-06¥	6G-4FFORX90S	7104-24195	3/8	9.5	9/16-18	15.9	17.0	21.0	61.4	33.6
MCORF90S-11-06¥	6G-6FFORX90S	7104-24245	3/8	9.5	11/16-16	15.9	22.0	23.0	72.5	44.6
MCORF90M-11-06	6G-6FFORX90M	7104-24255	3/8	9.5	11/16-16	15.9	22.0	38.0	63.6	35.7
MCORF90L-11-06¥	6G-6FFORX90L	7104-24265	3/8	9.5	11/16-16	15.9	22.0	54.0	69.3	41.4
MCORF90S-13-06¥	6G-8FFORX90S	7104-24295	3/8	9.5	13/16-16	15.9	24.0	29.0	73.0	45.1
MCORF90M-13-06	6G-8FFORX90M	7104-24305	3/8	9.5	13/16-16	15.9	24.0	41.0	68.5	40.6
MCORF90L-13-06¥	6G-8FFORX90L	7104-24315	3/8	9.5	13/16-16	15.9	24.0	64.0	69.0	41.1
MCORF90S-11-08¥	8G-6FFORX90S	7104-24345	1/2	12.7	11/16-16	20.6	22.0	23.0	83.5	46.0
MCORF90S-13-08¥	8G-8FFORX90S	7104-24395	1/2	12.7	13/16-16	-	24.00	29.0	83.9	46.5
MCORF90M-13-08	8G-8FFORX90M	7104-24405	1/2	12.7	13/16-16	-	24.0	41.0	83.9	46.5
MCORF90L-13-08¥	8G-8FFORX90L	7104-24415	1/2	12.7	13/16-16	-	24.0	64.0	83.9	46.5
MCORF90S-16-08¥	8G-10FFORX90S	7104-24445	1/2	12.7	1-14	20.6	30.0	32.0	92.9	55.4
MCORF90M-16-08	8G-10FFORX90M	7104-24455	1/2	12.7	1-14	20.6	30.0	47.0	93.2	55.7
MCORF90L-16-08¥	8G-10FFORX90L	7104-24465	1/2	12.7	1-14	20.6	30.0	70.0	90.6	53.1
MCORF90S-19-08¥	8G-12FFORX90S	7104-24475	1/2	12.7	1 3/16-12	-	36.0	48.0	102.9	65.4
MCORF90S-16-08¥	10G-8FFORX90S	7104-24495	5/8	15.8	13/16-16	23.8	24.0	29.0	92.4	54.9
MCORF90L-16-08¥	10G-8FFORX90L	7104-24515	5/8	15.8	13/16-16	23.8	24.0	64.0	92.4	54.9
MCORF90S-16-10¥	10G-10FFORX90S	7104-24545	5/8	15.8	1-14	23.8	30.0	32.0	92.5	55.0
MCORF90M-16-10	10G-10FFORX90M	7104-24555	5/8	15.8	1-14	23.8	30.0	47.0	92.8	55.3
MCORF90L-16-10¥	10G-10FFORX90L	7104-24565	5/8	15.8	1-14	23.8	30.0	70.0	90.2	52.7
MCORF90S-19-10¥	10G-12FFORX90S	7104-24595	5/8	15.8	1 3/16-12	23.8	36.0	48.0	96.3	58.8
MCORF90S-16-12¥	12G-10FFORX90S	7104-24635	3/4	19.0	1-14	27.0	30.0	32.0	104.0	53.0
MCORF90S-19-12¥	12G-12FFORX90S	7104-24645	3/4	19.0	1 3/16-12	27.0	36.0	48.0	109.0	58.0
MCORF90M-19-12	12G-12FFORX90M	7104-24655	3/4	19.0	1 3/16-12	27.0	36.0	58.0	109.0	58.0
MCORF90L-19-12¥	12G-12FFORX90L	7104-24665	3/4	19.0	1 3/16-12	27.0	36.0	96.0	118.2	67.2
MCORF90S-23-12¥	12G-16FFORX90S	7104-24695	3/4	19.0	1 7/16-12	34.9	41.0	56.0	128.5	77.5
MCORF90S-19-16¥	16G-12FFORX90S	7104-24735	1	25.4	1 3/16-12	27.0	36.0	48.0	129.4	72.6
MCORF90S-23-16¥	16G-16FFORX90S	7104-24745	1	25.4	1 7/16-12	34.9	41.0	56.0	129.9	73.1
MCORF90M-23-16	16G-16FFORX90M	7104-24755	1	25.4	1 7/16-12	34.9	41.0	71.0	129.9	73.1
MCORF90L-23-16¥	16G-16FFORX90L	7104-24765	1	25.4	1 7/16-12	34.9	41.0	114.0	129.9	73.1
MCORF90M-27-16¥	16G-20FFORX90M	7104-24915	1 1/4	31.7	1 11/16-12	38.1	20.0	78.0	156.0	99.2

¥ Coupling pricing & availability on request.

Wire Braid Fittings

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

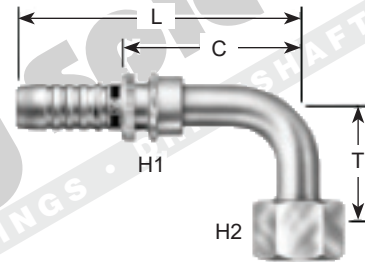
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Female Flat-Face O-Ring Swivel - 90° Bent Tube (Cont.)

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		mm	mm	mm	mm	mm
MCORF90S-27-20¥	20G-20FFORX90S	7104-24795	1 1/4	31.7	1 11/16-12	44.5	50.0	64.0	150.0	91.0
MCORF90M-27-20	20G-20FFORX90M	7104-24805	1 1/4	31.7	1 11/16-12	44.5	50.0	78.0	140.0	81.0
MCORF90L-27-20¥	20G-20FFORX90L	7104-24815	1 1/4	31.7	1 11/16-12	44.5	50.0	129.0	140.0	81.0

¥ Coupling pricing & availability on request.

Female Flat-Face Swivel - 90° Bent Tube



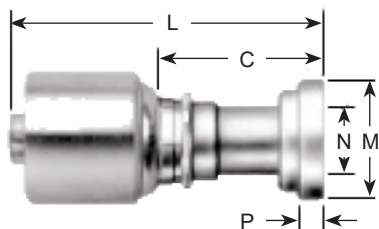
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			Inch	mm		Inch	Inch	mm	mm	mm
GSPORF90M-32-24	24GSP-24FFORX90M	7347-33725	1 1/2	38.1	2-12	2.17	2.36	86	199.4	125.8
GSPORF90L-32-24	24GSP-24FFORX90L	7347-34725	1 1/2	38.1	2-12	2.17	2.36	141	199.4	125.8

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Issue:	7
Issue Date:	01/11/16

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Code 61 O-Ring Flange

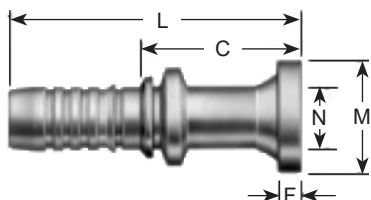


Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	L	C	F
			inch	mm	inch	mm	mm	mm	mm
MC3FL-08-08	8G-8FL	7103-25055	1/2	12.7	1/2	30.2	80.0	42.5	6.7
MC3FL-10-08¥	8G-10FLK†	7100-03805	1/2	12.7	5/8	34.2	80.0	42.5	6.7
MC3FL-12-08	8G-12FL	7103-25105	1/2	12.7	3/4	38.1	80.0	42.5	6.7
MC3FL-10-10	10G-10FLK†	7100-03825	5/8	15.9	5/8	34.2	119.0	81.5	6.7
MC3FL-12-12	12G-12FL	7103-25205	3/4	19.0	3/4	38.1	98.0	47.0	6.7
MC3FL-16-12	12G-16FL	7103-25255	3/4	19.0	1	44.5	88.8	37.8	8.0
MC3FL-16-16	16G-16FL	7103-25305	1	25.4	1	44.5	105.0	48.2	8.0
MC3FL-20-16	16G-20FL	7103-25355	1	25.4	1 1/4	50.8	105.0	48.2	8.0
MC3FL-20-20	20G-20FL	7103-25405	1 1/4	31.7	1 1/4	50.8	112.5	53.5	8.0
MC3FL-24-20	20G-24FL	7103-25455	1 1/4	31.7	1 1/2	60.5	117.5	58.5	8.0

† Komatsu-style flange

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange



Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm
GSP3FL-20-24	24GSP-20FL	7347-41715	1 1/2	38.1	1 1/4	50.8	146	72.4	8
GSP3FL-24-24	24GSP-24FL	7347-41725	1 1/2	38.1	1 1/2	60.3	152.9	79.3	8
GSP3FL-32-24	24GSP-32FL	7347-41735	1 1/2	38.1	2	71.4	147.1	75.9	9.5
GSP3FL-24-32	32GSP-24FL	7347-41785	2	50.8	1 1/2	60.3	166.0	75.9	8
GSP3FL-32-32	32GSP-32FL	7347-41795	2	50.8	2	71.4	159.3	67.3	9.5

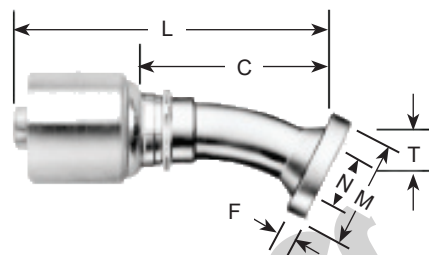
Wire Braid Fittings

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Issue:	7
Issue Date:	01/11/16

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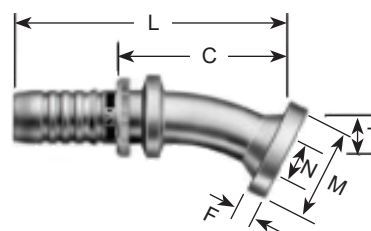
Code 61 O-Ring Flange - 22 1/2° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
MC3FL22-12-12¥	12G-12FL22M	7103-26155	3/4	19.0	3/4	38.1	11.2	113.5	62.5	6.9
MC3FL22-16-12¥	12G-16FL22M-14	7100-03955	3/4	19.0	1	44.5	14.0	121.0	70.0	8.0
MC3FL22-16-16¥	16G-16FL22M	7103-26255	1	25.4	1	44.5	11.2	123.0	66.2	8.0
MC3FL22-20-20¥	20G-20FL22M	7103-26355	1 1/4	31.7	1 1/4	50.8	12.7	131.5	72.5	8.0

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 22 1/2° Bent Tube



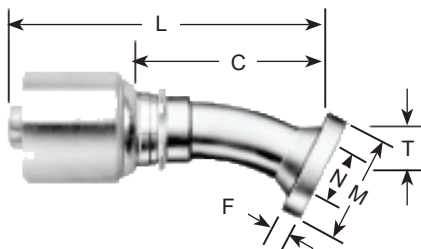
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm	mm
GSP3FL22M-24-24	24GSP-24FL22M	7347-42725	1 1/2	38.1	1 1/2	60.3	18	211	137.5	8
GSP3FL22-32-24	24GSP-32FL22M	7347-42735	1 1/2	38.1	2	71.4	22	214	140.2	9.5
GSP3FL22M-32-32	32GSP-32FL22M	7347-42795	2	50.8	2	71.4	22	275	183.5	9.5

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

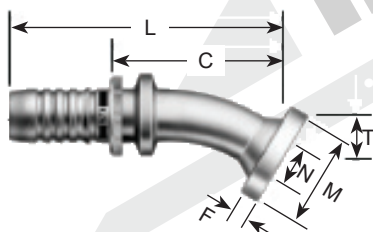
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Code 61 O-Ring Flange - 30° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
MC3FL30-12-12	12G-12FL30M	7103-26655	3/4	19.0	3/4	38.1	25.4	118.5	67.5	8.0
MC3FL30-16-12	12G-16FL30M	7100-04045	3/4	19.0	1	44.5	19.0	124.0	73.0	8.0
MC3FL30-16-16	16G-16FL30M	7103-26755	1	25.4	1	44.5	15.7	125.0	68.2	8.0
MC3FL30-20-16	16G-20FL30M	7103-26805	1	25.4	1 1/4	50.8	21.8	149.4	92.5	8.0
MC3FL30-20-20	20G-20FL30S	7103-26845	1 1/4	31.7	1 1/4	50.8	20.0	153.4	94.4	8.0

Code 61 O-Ring Flange - 30° Bent Tube



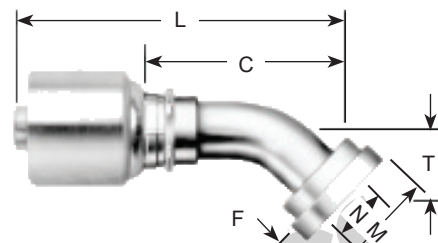
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm	mm
GSP3FL30S-24-24	24GSP-24FL30S	7347-43725	1 1/2	38.1	1 1/2	60.3	25	209	135.2	8
GSP3FL30M-32-24	24GSP-32FL30M	7347-43735	1 1/2	38.1	2	71.4	32	210	136.8	9.5
GSP3FL30M-32-32	32GSP-32FL30M	7347-43795	2	50.8	2	71.4	32	272	180.4	9.5

Wire Braid Fittings

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Document No:	HSHYDCAT
Issue:	7
Issue Date:	01/11/16

Code 61 O-Ring Flange - 45° Bent Tube

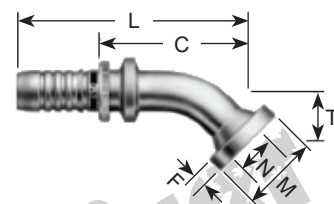


Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
MC3FL45-08-08¥	8G-8FL45	7100-04125	1/2	12.7	1/2	30.2	19.8	94.0	56.5	6.7
MC3FL45-12-08¥	8G-12FL45M	7103-27165	1/2	12.7	3/4	38.1	19.8	94.0	56.5	6.9
MC3FL45-10-10	10G-10FLK45†	7100-04155	5/8	15.9	5/8	34.1	26.0	106.5	69.0	6.9
MC3FL45-12-12	12G-12FL45M	7103-27245	3/4	19.0	3/4	38.1	25.4	118.5	67.5	6.9
MC3FL45-16-12	12G-16FL45S	7103-27315	3/4	19.0	1	44.4	25.4	118.5	67.5	8.0
MC3FL45-16-16	16G-16FL45S	7103-27395	1	25.4	1	44.4	26.9	129.7	72.9	8.0
MC3FL45-20-16	16G-20FL45S	7103-27475	1	25.4	1 1/4	50.8	26.9	129.5	72.7	8.0
MC3FL45-20-20	20G-20FL45S	7103-27555	1 1/4	31.7	1 1/4	50.8	29.2	142.0	83.0	8.0

† Komatsu-style flange.

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 45° Bent Tube



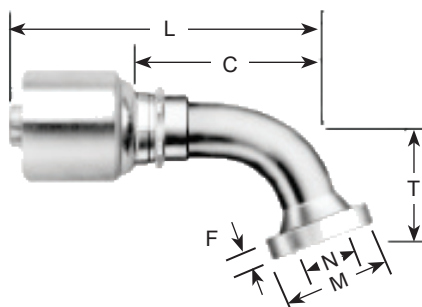
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm	mm
GSP3FL45-20-24¥	24GSP-20FL45S	7347-44715	1 1/2	38.1	1 1/4	50.8	32	180	114.5	8
GSP3FL45S-24-24	24GSP-24FL45S	7347-44725	1 1/2	38.1	1 1/2	60.3	38	202	128.6	8
GSP3FL45S-32-24	24GSP-32FL45S	7347-44735	1 1/2	38.1	2	71.4	52	200	126.3	9.5
GSP3FL45-24-32¥	32GSP-24FL45S	7347-44785	2	50.8	1 1/2	60.3	38	206	113.7	8
GSP3FL45S-32-32	32GSP-32FL45-066	7347-44805	2	50.8	2	71.4	66	257	165	9.5

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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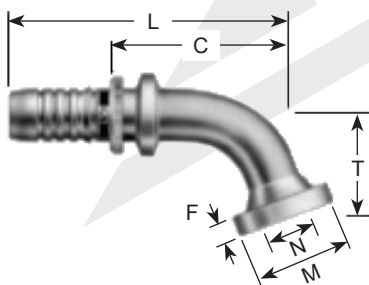
Code 61 O-Ring Flange - 60° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
MC3FL60-12-12¥	12G-12FL60M	7103-28155	3/4	19.0	3/4	38.1	35.8	117.0	66.0	6.9
MC3FL60-16-12¥	12G-16FL60M	7103-28205	3/4	19.0	1	44.5	44.0	122.0	71.0	8.0
MC3FL60-16-16¥	16G-16FL60M	7103-28255	1	25.1	1	44.5	44.0	148.5	91.7	8.0
MC3FL60-20-20¥	20G-20FL60S	7103-28345	1 1/4	31.7	1 1/4	50.8	45.0	158.0	99.0	8.0

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 60° Bent Tube



Maximum working pressure 3000 PSI.

Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm	mm
GSP3FL60S-24-24	24GSP-24FL60	7347-45725	1 1/2	38.1	1 1/2	60.3				8
GSP3FL60S-32-24	24GSP-32FL60S	7347-45735	1 1/2	38.1	2	71.4	75	234	160.9	9.5
GSP3FL60S-32-32	32GSP-32FL60S	7347-45805	2	50.8	2	71.4	75	259	167.1	9.5

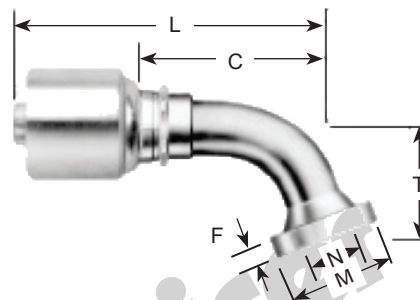
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Document No:	HSHYDCAT
Issue:	7
Issue Date:	01/11/16

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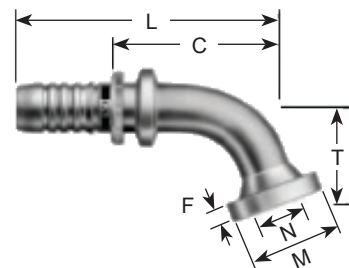
Code 61 O-Ring Flange - 67 1/2° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
MC3FL67-12-12¥	12G-12FL67M	7100-04355	3/4	19.0	3/4	38.1	42.0	118.0	67.0	6.7
MC3FL67-20-20¥	20G-20FL67S	7100-04335	1 1/4	31.7	1 1/4	50.8	51.0	150.4	91.4	8.0

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 67 1/2° Bent Tube



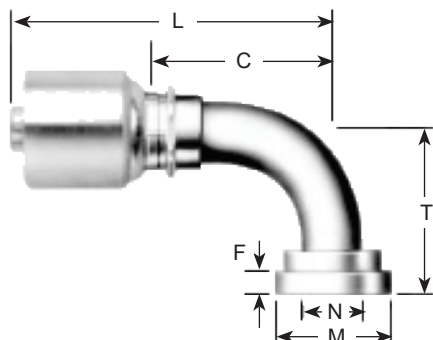
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm	mm
GSP3FL67S-24-24	24GSP-24FL67S	7347-46725	1 1/2	38.1	1 1/2	60.3	61	224	150.3	8
GSP3FL67S-32-24	24GSP-32FL67S	7347-46735	1 1/2	38.1	2	71.4	85	234	150.4	9.5
GSP3FL67-32-32	32GSP-32FL67S	7347-46795	2	50.8	2	71.4	85	259	166.7	9.5

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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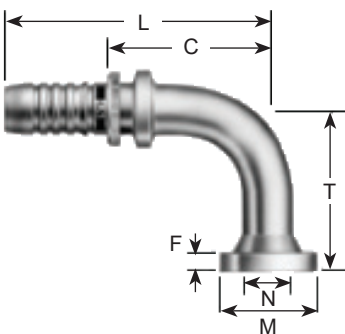
Code 61 O-Ring Flange - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
MC3FL90-08-08	8G-8FL90M	7103-29115	1/2	12.7	1/2	30.1	41.4	91.2	53.7	6.9
MC3FL90-12-08	8G-12FL90M	7103-29235	1/2	12.7	3/4	38.1	41.4	91.5	54.0	6.9
MC3FL90-10-10	10G-10FLK90	7100-04475	5/8	15.9	5/8	34.1	55.0	99.0	61.5	6.9
MC3FL90-12-10¥	10G-12FL90M	7100-04485	5/8	15.9	3/4	38.1	58.0	100.0	62.5	6.7
MC3FL90-12-12	12G-12FL90M	7103-29535	3/4	19.0	3/4	38.1	54.1	111.7	60.7	6.7
MC3FL90-16-12	12G-16FL90S	7103-29585	3/4	19.0	1	44.4	54.1	111.7	60.7	8.0
MC3FL90-16-16	16G-16FL90S	7103-29705	1	25.4	1	44.4	60.5	128.1	71.3	8.0
MC3FL90-20-16	16G-20FL90S	7103-29765	1	25.4	1 1/4	50.8	60.5	128.1	71.3	8.0
MC3FL90-20-20	20G-20FL90S	7103-29885	1 1/4	31.7	1 1/4	50.8	66.5	137.5	78.5	8.0
MC3FL90L-20-20¥	20G-20FL90-102	7100-04565	1 1/4	31.7	1 1/4	50.8	101.0	138.0	79.0	8.0
MC3FL90-24-20¥	20G-24FL90S	7103-29945	1 1/4	31.7	1 1/2	60.5	66.5	144.0	85.0	8.0

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 90° Bent Tube

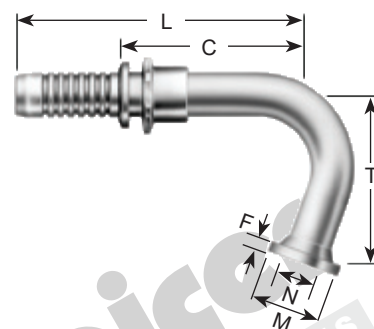


Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm	Inch	mm	mm	mm	mm	mm
GSP3FL90-20-24	24GSP-20FL90S	7347-47715	1 1/2	38.1	1 1/4	50.8	68	173	99.6	8
GSP3FL90S-24-24	24GSP-24FL90S	7347-47725	1 1/2	38.1	1 1/2	60.3	81	184	109.9	8
GSP3FL90M-24-24	24GSP-24FL90M	7347-74725	1 1/2	38.1	1 1/2	60.3	104	175	101.9	8
GSP3FL90L-24-24	24GSP-24FL90-148	7347-85625	1 1/2	38.1	1 1/2	60.3	148	175	101.9	8
GSP3FL90S-32-24¥	24GSP-32FL90S	7347-47735	1 1/2	38.1	2	71.4	120	175	101.9	9.5
GSP3FL90-32-24	24GSP-32FL90-080	7347-47745	1 1/2	38.1	2	71.4	80	175	101.9	9.5
GSP3FL90L-32-24	24GSP-32FL90-170	7347-85435	1 1/2	38.1	2	71.4	170	175	101.9	9.5
GSP3FL90S-24-32	32GSP-24FL90S	7347-47785	2	50.8	1 1/2	60.3	81	197	104.8	8
GSP3FL90S-32-32	32GSP-32FL90-114	7347-47805	2	50.8	2	71.4	114	222	130.1	9.5
GSP3FL90L-32-32	32GSP-32FL90-165	7347-85425	2	50.8	2	71.4	165	246	154	9.5
GSP3FL90X-32-32	32GSP-32FL90-200	7347-85455	2	50.8	2	71.4	200	222	130.4	9.5
GSP3FL90-40-32	32GSP-40FL90-110	7347-74805	2	50.8	2 1/2	84.1	110	246	154.4	9.5

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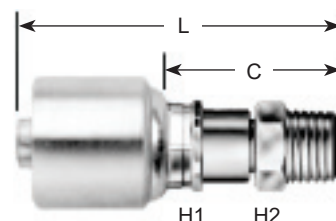
Document No:	HSHYDCAT
Issue:	7
Issue Date:	01/11/16

Code 61 O-Ring Flange - 110° Bent Tube



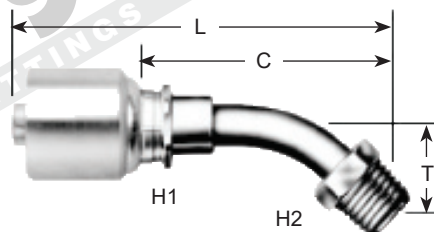
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		N	M	T	L	C	F
			Inch	mm						
GSP3FL110-24-24¥	24GSP-24FL110-094	7347-85635	1 1/2	38.1	1 1/2	60.3	94	202	128.9	8
GSP3FL110-32-32¥	32GSP-32FL110-140	7347-85465	2	50.8	2	71.4	140	248	156	9.5

SAE Male Inverted Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCIFM-07-04¥	4G-4MIX	7100-16225	1/4	6.4	7/16-24	1/2	7/16	63.9	37.9
MCIFM-08-04¥	4G-5MIX	7100-16235	1/4	6.4	1/2-20	1/2	1/2	63.9	37.9
MCIFM-08-06¥	6G-5MIX	7100-16245	3/8	9.5	1/2-20	5/8	1/2	64.9	37.0
MCIFM-10-06¥	6G-6MIX	7100-16255	3/8	9.5	5/8-18	5/8	5/8	69.9	42.0
MCIFM-11-06¥	6G-7MIX	7100-16265	3/8	9.5	11/16-18	5/8	11/16	70.0	42.1
MCIFM-10-08¥	8G-6MIX	7100-06275	1/2	12.7	5/8-18	13/16	5/8	79.5	42.0
MCIFM-12-08¥	8G-8MIX	7100-06285	1/2	12.7	3/4-16	13/16	3/4	83.8	46.3

SAE Male Inverted Swivel - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCIFM45-07-06¥	6G-4MIX45	7100-16305	3/8	9.5	7/16-24	5/8	7/16	25.4	80.5	52.6
MCIFM45-08-06¥	6G-5MIX45	7100-16315	3/8	9.5	1/2-20	5/8	1/2	25.4	79.5	51.6
MCIFM45-10-06¥	6G-6MIX45	7100-16325	3/8	9.5	5/8-18	5/8	5/8	25.4	84.3	56.4
MCIFM45-11-06¥	6G-7MIX45	7100-16335	3/8	9.5	11/16-18	5/8	11/16	25.4	86.0	58.1
MCIFM45-12-08¥	8G-8MIX45	7100-16345	1/2	12.7	3/4-16	13/16	6/4	29.0	106.0	68.5

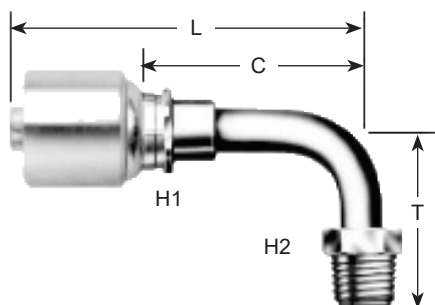
¥ Coupling pricing & availability on request.

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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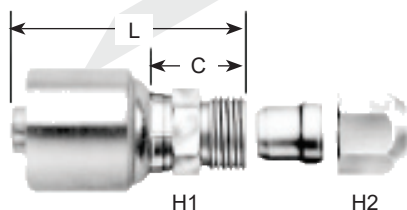
SAE Male Inverted Swivel - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCIFM90-07-04¥	4G-4MIX90	7100-16355	1/4	6.4	7/16-24	1/2	7/16	35.1	59.2	33.2
MCIFM90-08-04¥	4G-5MIX90	7100-16365	1/4	6.4	1/2-20	1/2	1/2	35.1	62.5	36.5
MCIFM90-10-05¥	5G-6MIX90-035	7100-16385	5/16	7.9	5/8-18	5/8	5/8	35.1	70.5	42.5
MCIFM90-07-06¥	6G-4MIX90	7100-16395	3/8	9.5	7/16-24	5/8	7/16	35.1	62.0	34.1
MCIFM90-08-06¥	6G-5MIX90	7100-16405	3/8	9.5	1/2-20	5/8	1/2	35.1	63.5	35.6
MCIFM90-10-06¥	6G-6MIX90	7100-16415	3/8	9.5	5/8-18	5/8	5/8	35.1	71.0	43.1
MCIFM90-11-06¥	6G-7MIX90	7100-16425	3/8	9.5	11/16-18	5/8	11/16	35.1	71.0	43.1
MCIFM90-12-08¥	8G-8MIX90	7100-06435	1/2	12.7	3/4-16	13/16	3/4	41.7	83.5	46.0

¥ Coupling pricing & availability on request.

SAE Male Flareless Assembly



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A1	H1	H2	L	C
			inch	mm		inch	inch	inch	mm	mm
MCSFA-07-04¥	4G-4MFA	7100-16445	1/4	6.4	7/16-20	1/4	1/2	9/16	49.5	23.5
MCSFA-08-04¥	4G-5MFA	7100-16455	1/4	6.4	1/2-20	5/16	1/2	5/8	50.0	24.0
MCSFA-07-06¥	6G-4MFA	7100-16465	3/8	9.5	7/16-20	1/4	5/8	7/8	52.0	24.1
MCSFA-08-06¥	6G-5MFA	7100-16475	3/8	9.5	1/2-20	5/16	5/8	5/8	55.0	27.1
MCSFA-10-06¥	6G-6MFA	7100-16485	3/8	9.5	5/8-18	3/8	5/8	11/16	52.5	24.6
MCSFA-12-06¥	6G-8MFA	7100-16495	3/8	9.5	3/4-16	1/2	3/4	7/8	56.0	28.1
MCSFA-12-08¥	8G-8MFA	7100-06505	1/2	12.7	3/4-16	1/2	13/16	7/8	65.5	28.0
MCSFA-14-08¥	8G-10MFA	7100-06515	1/2	12.7	7/8-14	5/8	7/8	1	67.0	29.5
MCSFA-17-12¥	12G-12MFA	7100-06525	3/4	19.0	1 1/16-12	3/4	1 1/16	1 1/4	86.5	35.5
MCSFA-21-16¥	16G-16MFA	7100-06535	1	25.4	1 5/16-12	1	1 3/8	1 1/2	100.0	43.2

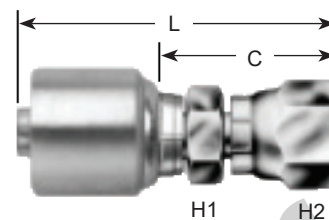
¥ Coupling pricing & availability on request.

Wire Braid Fittings

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Document No:	HSFYDCAT
Issue:	7
Issue Date:	01/11/16

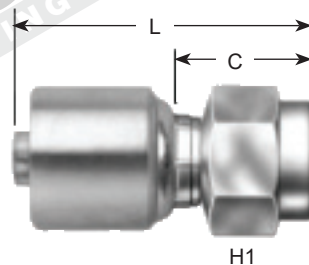
Female Air Brake Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCABS-12-06¥	6G-8FABX	7100-13095	3/8	9.5	3/4-20	3/4	7/8	61.2	33.3
MCABS-12-08¥	8G-8FABX	7100-13105	1/2	12.7	3/4-20	13/16	7/8	63.0	25.5

¥ Coupling pricing & availability on request.

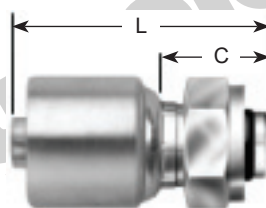
Female Grease



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
MCFG-08-04¥	4G-8FG	7100-09605	1/4	6.4	1/2-27	11/16	47.5	21.5
MCFG-08-06¥	6G-8FG	7100-09615	3/8	9.5	1/2-27	11/16	49.1	21.2

¥ Coupling pricing & availability on request.

Pressure Wash Swivel



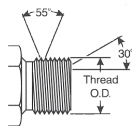
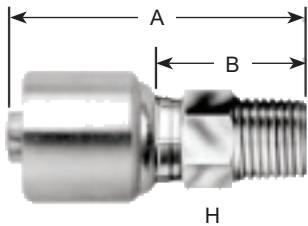
Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	L	C
			inch	mm		inch	mm
MCKAF-22-04¥	4G-6PWX	7100-02905	1/4	6.4	M22X1.5	64.0	38.0
MCKAF-22-06¥	6G-6PWX	7100-02915	3/8	9.5	M22X1.5	66.0	38.1

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Male British Standard Pipe Tapered



Fittings have a 30° seat

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCBM-04-04	4G-4MBSPT	7100-191075	1/4	6.4	1/4" - 19	50.8	24.8	14.0
MCBM-06-04	4G-6MBSPT	7100-191085	1/4	6.4	3/8" - 19	52.0	26.0	19.0
MCBM-06-05¥	5G-6MBSPT	7100-191095	5/16	7.9	3/8" - 19	54.1	26.1	19.0
MCBM-06-06	6G-6MBSPT	7100-191105	3/8	9.5	3/8" - 19	54.0	26.1	19.0
MCBM-08-06	6G-8MBSPT	7100-191115	3/8	9.5	1/2" - 14	58.8	30.9	22.0
MCBM-06-08	8G-6MBSPT	7100-192955	1/2	12.7	3/8" - 19	64.5	27.0	22.0
MCBM-08-08	8G-8MBSPT	7100-191125	1/2	12.7	1/2" - 14	68.4	30.9	22.0
MCBM-10-10¥	10G-10MBSPT	7100-191135	5/8	15.9	5/8" - 14	69.9	32.4	24.0
MCBM-12-12	12G-12MBSPT	7100-191145	3/4	19.0	3/4" - 14	86.7	35.7	32.0
MCBM-16-16	16G-16MBSPT	7100-191155	1	25.4	1" - 11	98.4	41.6	36.0

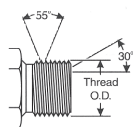
¥ Coupling pricing & availability on request.

Wire Braid Fittings

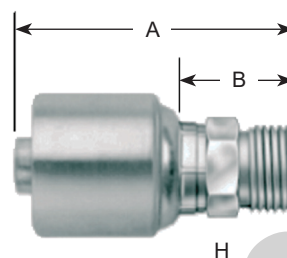
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

Male British Standard Pipe Parallel



Fittings have a 30° seat



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCPM-04-04	4G-4MBSPP	7100-115515	1/4	6.4	1/4" - 19	51.5	25.5	19.0
MCPM-06-04	4G-6MBSPP	7100-191165	1/4	6.4	3/8" - 19	51.8	25.8	22.0
MCPM-08-04¥	4G-8MBSPP	7100-193925	1/4	6.4	1/2" - 14	59.5	33.5	27.0
MCPM-04-05¥	5G-4MBSPP	7100-193915	5/16	7.9	1/4" - 19	53.5	25.5	19.0
MCPM-06-05¥	5G-6MBSPP	7100-191175	5/16	7.9	3/8" - 19	53.8	25.8	22.0
MCPM-06-06	6G-6MBSPP	7100-115525	3/8	9.5	3/8" - 19	55.0	27.1	22.0
MCPM-08-06¥	6G-8MBSPP	7100-115535	3/8	9.5	1/2" - 14	60.0	32.1	27.0
MCPM-06-08¥	8G-6MBSPP	7100-193245	1/2	12.7	3/8" - 19	63.5	26.0	22.0
MCPM-08-08	8G-8MBSPP	7100-105545	1/2	12.7	1/2" - 14	69.0	31.5	27.0
MCPM-10-08¥	8G-10MBSPP	7100-194735	1/2	12.7	5/8" - 14	71.0	33.5	30.0
MCPM-10-10¥	10G-10MBSPP	7100-105555	5/8	15.9	5/8" - 14	73.5	36.0	30.0
MCPM-12-10¥	10G-12MBSPP	7100-193255	5/8	15.9	3/4" - 14	71.5	34.0	32.0
MCPM-12-12	12G-12MBSPP	7100-105565	3/4	19.0	3/4" - 14	85.0	34.0	32.0
MCPM-16-16	16G-16MBSPP	7100-105575	1	25.4	1" - 11	101.0	44.2	41.0
MCPM-20-20	20G-20MBSPP	7100-105585	1-1/4	31.8	1.1/4" - 11	110.0	51.0	50.0

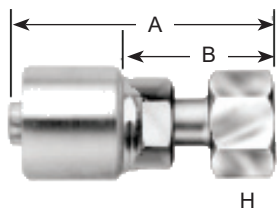
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female British Standard Pipe Parallel O-Ring Swivel

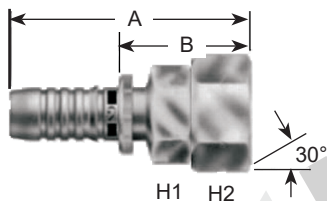


Includes O-Ring sealing in flare.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCBF-02-04	4G-2FBSPX (Ø)	7100-193285	1/4	6.4	1/8" - 28	44.0	18.0	14.0
MCBF-04-04	4G-4FBSPORX	7100-19500	1/4	6.4	1/4" - 19	48.0	22.0	19.0
MCBF-06-04	4G-6FBSPORX	7100-195015	1/4	6.4	3/8" - 19	52.0	26.0	22.0
MCBF-06-05¥	5G-6FBSPORX	7100-194195	5/16	7.9	3/8" - 19	54.0	26.0	22.0
MCBF-08-05¥	5G-8FBSPORX	7100-194205	5/16	7.9	1/2" - 14	54.8	26.8	27.0
MCBF-06-06	6G-6FBSPORX	7100-19504	3/8	9.5	3/8" - 19	53.2	25.3	22.0
MCBF-08-06	6G-8FBSPORX	7100-195055	3/8	9.5	1/2" - 14	54.7	26.8	27.0
MCBF-06-08	8G-6FBSPORX	7100-195065	1/2	12.7	3/8" - 19	66.5	29.0	22.0
MCBF-08-08	8G-8FBSPORX	7100-19507	1/2	12.7	1/2" - 14	64.2	26.7	27.0
MCBF-10-08	8G-10FBSPORX	7100-194255	1/2	12.7	5/8" - 14	68.0	30.5	30.0
MCBF-12-08	8G-12FBSPORX	7100-195095	1/2	12.7	3/4" - 14	69.5	32.0	32.0
MCBF-10-10	10G-10FBSPORX	7100-195105	5/8	15.9	5/8" - 14	68.5	31.0	30.0
MCBF-12-10	10G-12FBSPORX	7100-195115	5/8	15.9	3/4" - 14	69.5	32.0	32.0
MCBF-12-12	12G-12FBSPORX	7100-195125	3/4	19.0	3/4" - 14	83.0	32.0	32.0
MCBF-12-16	16G-12FBSPORX	7100-192805	3/4	19.0	3/4" - 14	82.7	25.9	32.0
MCBF-16-12	12G-16FBSPORX	7100-195135	3/4	19.0	1" - 11	87.0	36.0	41.0
MCBF-16-16	16G-16FBSPORX	7100-195155	1	25.4	1" - 11	96.0	39.2	41.0
MCBF-20-20	20G-20FBSPORX	7100-195235	1-1/4	31.8	1.1/4" - 11	100.5	41.5	50.0

¥ Coupling pricing & availability on request.

Female British Standard Pipe Parallel O-Ring Swivel



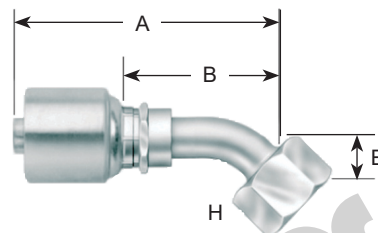
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			Inch	mm		Inch	Inch	mm	mm
GSPBF-24-24	24GSP-24FBSPORX	7347-95025	1 1/2	38.1	1 1/2-11		2.17	125	51.3
GSPBF-32-32	32GSP-32FBSPORX	7347-95105	2	50.8	2-11		2.76	152	60

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

Female British Standard Pipe Parallel O-Ring Swivel - 45° Bent Tube

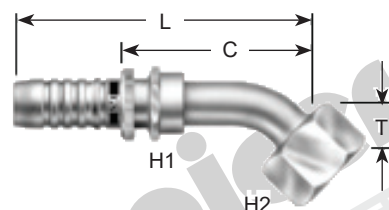
Includes O-Ring sealing in flare.



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCBF45-04-04	4G-4FBSPORX45	7100-191445	1/4	6.4	1/4" - 19	57.2	31.1	11.6	19.0
MCBF45-06-04	4G-6FBSPORX45	7100-191455	1/4	6.4	3/8" - 19	63.2	37.1	17.7	22.0
MCBF45-06-05¥	5G-6FBSPORX45	7100-191465	5/16	7.9	3/8" - 19	64.1	36.1	15.4	22.0
MCBF45-06-06	6G-6FBSPORX45	7100-191475	3/8	9.5	3/8" - 19	67.1	39.1	15.4	22.0
MCBF45-08-06¥	6G-8FBSPORX45	7100-191485	3/8	9.5	1/2" - 14	71.0	43.0	19.3	27.0
MCBF45-08-08	8G-8FBSPORX45	7100-191495	1/2	12.7	1/2" - 14	81.5	44.0	17.0	27.0
MCBF45-10-08¥	8G-10FBSPORX45	7100-193135	1/2	12.7	5/8" - 14	91.0	53.5	23.0	30.0
MCBF45-10-10	10G-10FBSPORX45	7100-191505	5/8	15.9	5/8" - 14	89.6	52.1	21.3	30.0
MCBF45-12-10¥	10G-12FBSPORX45	7100-191515	5/8	15.9	3/4" - 14	99.5	62.0	31.2	32.0
MCBF45-12-12	12G-12FBSPORX45	7100-191525	3/4	19.0	3/4" - 14	115.4	64.4	28.3	32.0
MCBF45-16-16	16G-16FBSPORX45	7100-191535	1	25.4	1" - 11	135.6	78.8	30.9	41.0
MCBF45-20-20	20G-20FBSPORX45	7100-192715	1-1/4	31.8	1.1/4" - 11	152.4	93.4	37.5	50.0

¥ Coupling pricing & availability on request.

Female British Standard Pipe Parallel O-Ring Swivel - 45° Bent Tube



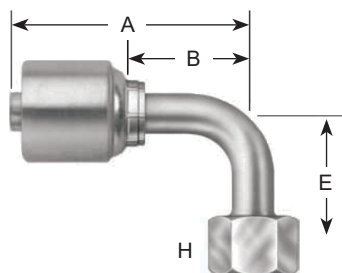
Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			Inch	mm		Inch	Inch	mm	mm	mm
GSPBF45-24-24	24GSP-24FBSPORX45	7347-95035	1 1/2	38.1	1 1/2-11		2.17	49.7	214.5	140.8
GSPBF45-32-32	32GSP-32FBSPORX45	7347-95115	2	50.8	2-11		2.76	62.5	276.1	184.1

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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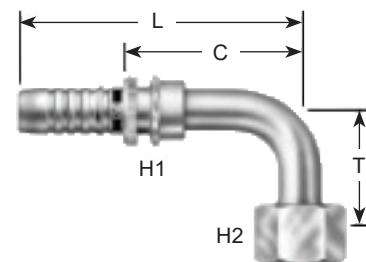
Female British Standard Pipe Parallel O-Ring Swivel - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCBF90-04-04	4G-4FBSPORX90	7100-191545	1/4	6.4	1/4" - 19	52.5	26.5	23.5	19.0
MCBF90-06-04	4G-6FBSPORX90	7100-191555	1/4	6.4	3/8" - 19	50.5	24.5	32.0	22.0
MCBF90-06-05	5G-6FBSPORX90	7100-191565	5/16	7.9	3/8" - 19	59.0	31.0	32.0	22.0
MCBF90-06-06	6G-6FBSPORX90	7100-191575	3/8	9.5	3/8" - 19	61.9	34.0	32.0	22.0
MCBF90-08-06	6G-8FBSPORX90	7100-191585	3/8	9.5	1/2" - 14	60.1	32.2	37.5	27.0
MCBF90-08-08	8G-8FBSPORX90	7100-191595	1/2	12.7	1/2" - 14	78.0	40.5	37.5	27.0
MCBF90-10-08	8G-10FBSPORX90	7100-193145	1/2	12.7	5/8" - 14	81.5	44.0	46.0	30.0
MCBF90-10-10	10G-10FBSPORX90	7100-191605	5/8	15.9	5/8" - 14	84.1	46.6	46.0	30.0
MCBF90-12-10	10G-12FBSPORX90	7100-191615	5/8	15.9	3/4" - 14	84.1	46.6	60.0	32.0
MCBF90-12-12	12G-12FBSPORX90	7100-191625	3/4	19.0	3/4" - 14	107.0	56.0	60.0	32.0
MCBF90-16-12	12G-16FBSPORX90	7100-193155	3/4	19.0	1" - 11	112.2	61.2	70.0	41.0
MCBF90-16-16	16G-16FBSPORX90	7100-191635	1	25.4	1" - 11	131.1	74.3	70.0	41.0
MCBF90-20-20	20G-20FBSPORX90	7100-191645	1-1/4	31.8	1.1/4" - 11	141.8	82.8	80.0	50.0

¥ Coupling pricing & availability on request.

Female British Standard Pipe Parallel O-Ring Swivel - 90° Bent Tube

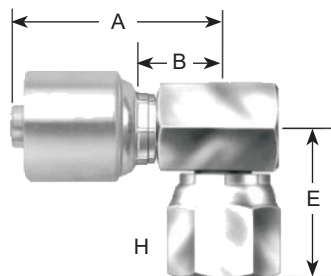


Hardy Spicer Part Number	Gates Description	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			Inch	mm		Inch	Inch	mm	mm	mm
GSPBF90-24-24	24GSP-24FBSPORX90	7347-95045	1 1/2	38.1	1 1/2-11		2.17	100	194.6	120.9
GSPBF90-32-32	32GSP-32FBSPORX90	7347-95125	2	50.8	2-11		2.76	129.1	254.7	162.7

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

Female British Standard Pipe Parallel O-Ring Swivel - 90° Block



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCBF90C-04-04	4G-4FBSPORX90BL	7100-191825	1/4	6.4	1/4" - 19	44.2	18.2	18.0	19.0
MCBF90C-06-04	4G-6FBSPORX90BL	7100-193935	1/4	6.4	3/8" - 19	46.0	20.0	21.0	22.0
MCBF90C-06-06	6G-6FBSPORX90BL	7100-191835	3/8	9.5	3/8" - 19	47.9	20.0	21.0	22.0
MCBF90C-08-06	6G-8FBSPORX90BL	7100-193945	3/8	9.5	1/2" - 14	51.4	23.5	24.0	27.0
MCBF90C-08-08	8G-8FBSPORX90BL	7100-191845	1/2	12.7	1/2" - 14	61.0	23.5	24.0	27.0
MCBF90C-10-08¥	8G-10FBSPORX90BL	7100-193275	1/2	12.7	5/8" - 14	61.0	23.5	25.2	30.0
MCBF90C-10-10	10G-10FBSPORX90BL	7100-194155	5/8	15.9	5/8" - 14	62.4	24.9	27.7	30.0
MCBF90C-12-12	12G-12FBSPORX90BL	7100-192595	3/4	19.0	3/4" - 14	78.0	27.0	31.2	32.0
MCBF90C-12-16¥	16G-12FBSPORX90BL	7100-192785	1	25.4	3/4" - 14	86.2	29.4	34.4	32.0
MCBF90C-16-16	16G-16FBSPORX90BL	7100-192585	1	25.4	1" - 11	91.4	34.6	36.4	41.0

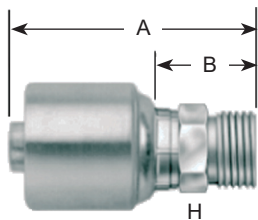
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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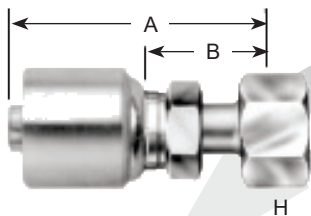
Male BSP Flat-Face



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCBFFM-08-06¥	6G-8MBFF	7100-193965	3/8	9.5	1/2" - 14	61.0	33.1	27.0

¥ Coupling pricing & availability on request.

Female BSP Flat-Face Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCBFFS-08-05¥	5G-8FBFFX	7100-193705	5/16	7.9	1/2" - 14	45.5	17.5	27.0
MCBFFS-06-06¥	6G-6FBFFX	7100-193715	3/8	9.5	3/8" - 19	46.0	18.1	22.0
MCBFFS-08-06¥	6G-8FBFFX	7100-193725	3/8	9.5	1/2" - 14	45.5	17.6	27.0
MCBFFS-08-08¥	8G-8FBFFX	7100-193735	1/2	12.7	1/2" - 14	55.5	18.0	27.0
MCBFFS-10-08¥	8G-10FBFFX	7100-193825	1/2	12.7	5/8" - 14	56.0	18.5	30.0
MCBFFS-12-08¥	8G-12FBFFX	7100-193745	1/2	12.7	3/4" - 14	52.5	15.0	32.0
MCBFFS-12-10¥	10G-12FBFFX	7100-193315	5/8	15.9	3/4" - 14	52.5	15.0	32.0
MCBFFS-12-12	12G-12FBFFX	7100-193325	3/4	19.0	3/4" - 14	66.1	15.1	32.0

¥ Coupling pricing & availability on request.

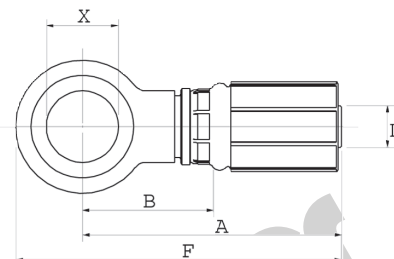
Wire Braid Fittings

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Document No:	HSHYDCAT
Issue:	7
Issue Date:	01/11/16

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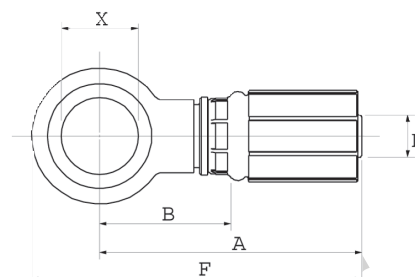
BSP Banjo



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	F	X	Mpa
			inch	mm		mm	mm	mm	mm	
MCBB-04-04¥	4G-4BSPBJ	7100-192565	1/4	6.4	1/4" - BSP	56.3	30.3	68.3	13.2	10
MCBB-06-04¥	4G-6BSPBJ	7100-193265	1/4	6.4	3/8" - BSP	58.2	32.2	72.3	16.8	10
MCBB-04-06¥	6G-4BSPBJ	7100-192935	3/8	9.5	1/4" - BSP	58.5	30.6	70.5	13.2	10
MCBB-06-06¥	6G-6BSPBJ	7100-192575	3/8	9.5	3/8" - BSP	60.3	32.4	74.3	16.8	10
MCBB-08-06¥	6G-8BSPBJ	7100-192945	3/8	9.5	1/2" - BSP	62.7	34.8	82.2	21.0	10
MCBB-08-08¥	8G-8BSPBJ	7100-192925	1/2	12.7	1/2" - BSP	75.7	38.2	95.2	21.0	10

¥ Coupling pricing & availability on request.

DIN Metric Banjo



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	F	X	Mpa
			inch	mm		mm	mm	mm	mm	
MCMB-10-04¥	4G-10DBJ	7100-191185	1/4	6.4	M10	52.3	26.3	60.8	10.1	10
MCMB-12-04¥	4G-12DBJ	7100-191195	1/4	6.4	M12	54.3	28.3	64.3	12.1	10
MCMB-14-04¥	4G-14DBJ	7100-191205	1/4	6.4	M14	56.3	30.3	68.3	14.1	10
MCMB-16-04¥	4G-16DBJ	7100-191215	1/4	6.4	M16	58.3	32.3	72.3	16.1	10
MCMB-18-04¥	4G-18DBJ	7100-191225	1/4	6.4	M18	60.3	34.3	76.3	18.1	10
MCMB-12-05¥	5G-12DBJ	7100-193415	5/16	7.9	M12	56.2	28.2	66.2	12.1	10
MCMB-14-05¥	5G-14DBJ	7100-193425	5/16	7.9	M14	58.2	30.2	70.2	14.1	10
MCMB-16-05¥	5G-16DBJ	7100-191255	5/16	7.9	M16	60.5	32.5	74.2	16.1	10
MCMB-18-05¥	5G-18DBJ	7100-193435	5/16	7.9	M18	62.2	34.2	78.2	18.1	10
MCMB-14-06¥	6G-14DBJ	7100-191275	3/8	9.5	M14	58.3	30.4	70.3	14.1	10
MCMB-16-06¥	6G-16DBJ	7100-191285	3/8	9.5	M16	60.3	32.4	74.3	16.1	10
MCMB-16-06¥	6G-18DBJ	7100-191295	3/8	9.5	M18	62.3	34.4	78.3	18.1	10
MCMB-22-06¥	6G-22DBJ	7100-193875	3/8	9.5	M22	63.8	35.9	82.3	22.1	10
MCMB-18-08¥	8G-18DBJ	7100-191305	1/2	12.7	M18	72.2	34.7	88.2	18.1	10
MCMB-22-08¥	8G-22DBJ	7100-191315	1/2	12.7	M22	75.2	37.7	94.7	22.1	10
MCMB-22-10¥	10G-22DBJ	7100-193885	5/8	15.9	M22	76.1	38.6	96.6	22.1	10
MCMB-26-12¥	12G-26DBJ	7100-193895	3/4	19.0	M26	94.7	43.7	117.7	26.1	10

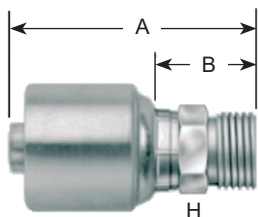
¥ Coupling pricing & availability on request.

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Male DIN 24° Cone - Light Series



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCLMM-12-04	4G-6MDL	7100-192685	1/4	6.4	M12 x 1.5	45.8	19.8	14.0
MCLMM-14-04	4G-8MDL	7100-114835	1/4	6.4	M14 x 1.5	46.8	20.8	17.0
MCLMM-16-04	4G-10MDL	7100-114845	1/4	6.4	M16 x 1.5	47.8	21.8	17.0
MCLMM-18-04	4G-12MDL	7100-192725	1/4	6.4	M18 x 1.5	50.0	24.0	19.0
MCLMM-14-05¥	5G-8MDL	7100-193045	5/16	7.9	M14 x 1.5	48.8	20.8	17.0
MCLMM-16-05¥	5G-10MDL	7100-192995	5/16	7.9	M16 x 1.5	49.8	21.8	17.0
MCLMM-18-05	5G-12MDL	7100-193065	5/16	7.9	M18 x 1.5	50.8	22.8	19.0
MCLMM-16-06	6G-10MDL	7100-114865	3/8	9.5	M16 x 1.5	49.8	21.9	17.0
MCLMM-18-06	6G-12MDL	7100-114875	3/8	9.5	M18 x 1.5	50.8	22.9	19.0
MCLMM-22-06	6G-15MDL	7100-192695	3/8	9.5	M22 x 1.5	51.8	23.9	24.0
MCLMM-18-08	8G-12MDL	7100-192735	1/2	12.7	M18 x 1.5	60.6	23.1	22.0
MCLMM-22-08	8G-15MDL	7100-104885	1/2	12.7	M22 x 1.5	61.5	24.0	24.0
MCLMM-26-08	8G-18MDL	7100-192745	1/2	12.7	M26 x 1.5	63.0	25.5	27.0
MCLMM-26-10	10G-18MDL	7100-104895	5/8	15.9	M26 x 1.5	62.5	25.0	27.0
MCLMM-26-12	12G-18MDL	7100-193005	3/4	19.0	M26 x 1.5	75.9	24.9	27.0
MCLMM-30-12	12G-22MDL	7100-104905	3/4	19.0	M30 x 2.0	78.0	27.0	32.0
MCLMM-36-16	16G-28MDL	7100-104915	1	25.4	M36 x 2.0	87.2	30.4	41.0
MCLMM-45-20	20G-35MDL	7100-104925	1-1/4	31.8	M45 x 2.0	94.1	35.1	46.0

¥ Coupling pricing & availability on request.

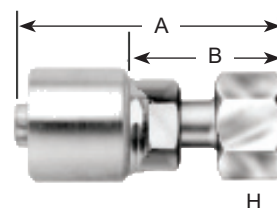
Wire Braid Fittings

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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female DIN 24° Cone Swivel - Light Series with O-Ring



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCLMF-12-04	4G-6FDLORX	7100-192135	1/4	6.4	M12 x 1.5	51.8	25.8	14.0
MCLMF-14-04	4G-8FDLORX	7100-191995	1/4	6.4	M14 x 1.5	54.4	28.4	17.0
MCLMF-16-04	4G-10FDLORX	7100-192145	1/4	6.4	M16 x 1.5	55.3	29.3	19.0
MCLMF-18-04	4G-12FDLORX	7100-192865	1/4	6.4	M18 x 1.5	55.7	29.7	22.0
MCLMF-14-05¥	5G-8FDLORX	7100-192165	5/16	7.9	M14 x 1.5	56.4	28.4	17.0
MCLMF-16-05¥	5G-10FDLORX	7100-192015	5/16	7.9	M16 x 1.5	58.0	29.7	19.0
MCLMF-18-05¥	5G-12FDLORX	7100-192035	5/16	7.9	M18 x 1.5	58.0	29.9	22.0
MCLMF-16-06	6G-10FDLORX	7100-192175	3/8	9.5	M16 x 1.5	57.1	29.2	19.0
MCLMF-18-06	6G-12FDLORX	7100-192055	3/8	9.5	M18 x 1.5	57.8	29.9	22.0
MCLMF-20-06	6G-14FDLORX	7100-193295	3/8	9.5	M20 x 1.5	60.4	32.5	24.0
MCLMF-22-06	6G-15FDLORX	7100-192195	3/8	9.5	M22 x 1.5	56.7	28.8	27.0
MCLMF-18-08	8G-12FDLORX	7100-194495	1/2	12.7	M18 x 1.5	70.2	32.7	22.0
MCLMF-22-08	8G-15FDLORX	7100-192075	1/2	12.7	M22 x 1.5	66.8	29.3	27.0
MCLMF-26-08	8G-18FDLORX	7100-193105	1/2	12.7	M26 x 1.5	67.9	30.4	32.0
MCLMF-26-10	10G-18FDLORX	7100-192095	5/8	15.9	M26 x 1.5	67.8	30.3	32.0
MCLMF-26-12	12G-18FDLORX	7100-192825	3/4	19.0	M26 x 1.5	81.0	30.0	32.0
MCLMF-30-12	12G-22FDLORX	7100-192115	3/4	19.0	M30 x 2.0	83.3	32.3	36.0
MCLMF-36-16	16G-28FDLORX	7100-192205	1	25.4	M36 x 2.0	93.5	36.7	41.0
MCLMF-45-20	20G-35FDLORX	7100-192215	1-1/4	31.8	M45 x 2.0	103.1	44.1	50.0

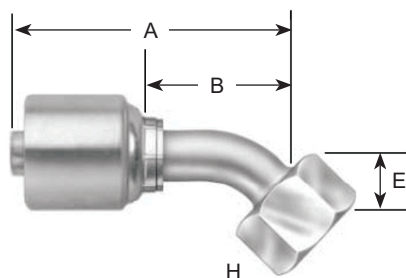
¥ Coupling pricing & availability on request.

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Issue:	7
Issue Date:	01/11/16

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Female DIN 24° Cone Swivel Light Series with O-Ring - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCLMF45-12-04	4G-6FDLORX45	7100-192135	1/4	6.4	M12 x 1.5	65.3	39.5	16.9	14.0
MCLMF45-14-04	4G-8FDLORX45	7100-191855	1/4	6.4	M14 x 1.5	62.6	36.5	16.2	17.0
MCLMF45-16-04	4G-10FDLORX45	7100-192265	1/4	6.4	M16 x 1.5	64.4	38.3	17.9	19.0
MCLMF45-18-04	4G-12FDLORX45	7100-192885	1/4	6.4	M18 x 1.5	66.7	40.7	18.3	22.0
MCLMF45-14-05¥	5G-8FDLORX45	7100-192285	5/16	7.9	M14 x 1.5	67.2	39.1	16.9	17.0
MCLMF45-16-05¥	5G-10FDLORX45	7100-191895	5/16	7.9	M16 x 1.5	67.3	39.3	17.1	19.0
MCLMF45-18-05¥	5G-12FDLORX45	7100-191915	5/16	7.9	M18 x 1.5	67.7	39.7	18.9	22.0
MCLMF45-16-06	6G-10FDLORX45	7100-192295	3/8	9.5	M16 x 1.5	68.5	40.5	18.6	19.0
MCLMF45-18-06	6G-12FDLORX45	7100-191875	3/8	9.5	M18 x 1.5	68.8	40.9	18.9	22.0
MCLMF45-22-06	6G-15FDLORX45	7100-192315	3/8	9.5	M22 x 1.5	72.3	44.4	22.5	27.0
MCLMF45-18-08	8G-12FDLORX45	7100-194505	1/2	12.7	M18 x 1.5	92.9	55.4	29.7	22.0
MCLMF45-22-08	8G-15FDLORX45	7100-191935	1/2	12.7	M22 x 1.5	84.6	47.1	20.2	27.0
MCLMF45-26-08	8G-18FDLORX45	7100-193115	1/2	12.7	M26 x 1.5	94.9	57.2	26.9	32.0
MCLMF45-26-10	10G-18FDLORX45	7100-191955	5/8	15.9	M26 x 1.5	93.5	56.0	24.8	32.0
MCLMF45-30-12	12G-22FDLORX45	7100-191975	3/4	19.0	M30 x 2.0	117.1	66.1	29.8	36.0
MCLMF45-36-16	16G-28FDLORX45	7100-192325	1	25.4	M36 x 2.0	135.4	78.8	30.9	41.0
MCLMF45-45-20	20G-35FDLORX45	7100-192335	1-1/4	31.8	M45 x 2.0	152.4	93.4	37.5	50.0

¥ Coupling pricing & availability on request.

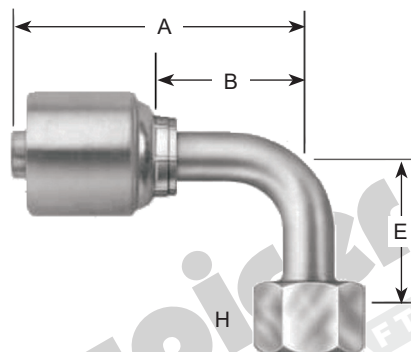
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female DIN 24° Cone Swivel Light Series with O-Ring - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCLMF90-12-04	4G-6FDLORX90	7100-192375	1/4	6.4	M12 x 1.5	57.5	31.5	35.0	14.0
MCLMF90-14-04	4G-8FDLORX90	7100-191685	1/4	6.4	M14 x 1.5	57.5	31.5	35.0	17.0
MCLMF90-16-04	4G-10FDLORX90	7100-192385	1/4	6.4	M16 x 1.5	57.5	31.5	36.5	19.0
MCLMF90-18-04	4G-12FDLORX90	7100-192905	1/4	6.4	M18 x 1.5	59.5	33.5	37.0	22.0
MCLMF90-14-05¥	5G-8FDLORX90	7100-192405	5/16	7.9	M14 x 1.5	61.4	33.4	35.0	17.0
MCLMF90-16-05¥	5G-10FDLORX90	7100-191725	5/16	7.9	M16 x 1.5	62.5	34.4	36.5	19.0
MCLMF90-18-05	5G-12FDLORX90	7100-191745	5/16	7.9	M18 x 1.5	59.0	31.0	37.0	22.0
MCLMF90-16-06	6G-10FDLORX90	7100-192415	3/8	9.5	M16 x 1.5	60.1	32.2	36.5	19.0
MCLMF90-18-06	6G-12FDLORX90	7100-191705	3/8	9.5	M18 x 1.5	60.1	32.2	37.0	22.0
MCLMF90-22-06	6G-15FDLORX90	7100-192435	3/8	9.5	M22 x 1.5	60.1	32.2	42.0	27.0
MCLMF90-18-08	8G-12FDLORX90	7100-194115	1/2	12.7	M18 x 1.5	74.3	36.9	53.1	22.0
MCLMF90-22-08	8G-15FDLORX90	7100-191765	1/2	12.7	M22 x 1.5	77.9	40.4	42.0	27.0
MCLMF90-26-08	8G-18FDLORX90	7100-193125	1/2	12.7	M26 x 1.5	81.5	44.0	51.5	32.0
MCLMF90-26-10	10G-18FDLORX90	7100-191785	5/8	15.9	M26 x 1.5	85.1	47.6	51.5	32.0
MCLMF90-26-12	12G-18FDLORX90	7100-193095	3/4	19.0	M26 x 1.5	100.3	49.3	51.5	32.0
MCLMF90-30-12	12G-22FDLORX90	7100-191805	3/4	19.0	M30 x 2.0	107.3	56.3	62.0	36.0
MCLMF90-36-16	16G-28FDLORX90	7100-192445	1	25.4	M36 x 2.0	131.1	74.3	70.0	41.0
MCLMF90-45-20	20G-35FDLORX90	7100-192455	1-1/4	31.8	M45 x 2.0	141.8	82.8	80.0	50.0

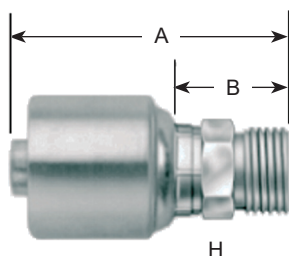
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Male DIN 24° Cone - Heavy Series



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A mm	B mm	H mm
			inch	mm				
MCHMM-16-04	4G-8MDH	7100-115315	1/4	6.4	M16 x 1.5	53.0	27.0	17.0
MCHMM-18-04	4G-10MDH	7100-115325	1/4	6.4	M18 x 1.5	52.5	26.5	19.0
MCHMM-18-05¥	5G-10MDH	7100-193075	5/16	7.9	M18 x 1.5	53.8	25.8	19.0
MCHMM-20-05¥	5G-12MDH	7100-193015	5/16	7.9	M20 x 1.5	55.8	27.8	22.0
MCHMM-18-06¥	6G-10MDH	7100-115345	3/8	9.5	M18 x 1.5	55.0	27.1	19.0
MCHMM-20-06¥	6G-12MDH	7100-115355	3/8	9.5	M20 x 1.5	57.5	29.6	24.0
MCHMM-22-06	6G-14MDH	7100-115365	3/8	9.5	M22 x 1.5	59.5	31.6	24.0
MCHMM-24-08	8G-16MDH	7100-105375	1/2	12.7	M24 x 1.5	69.0	31.5	27.0
MCHMM-30-10	10G-20MDH	7100-105385	5/8	15.9	M30 x 2.0	73.5	36.0	32.0
MCHMM-30-12	12G-20MDH	7100-192755	3/4	19.0	M30 x 2.0	84.9	33.9	32.0
MCHMM-36-12	12G-25MDH	7100-105395	3/4	19.0	M36 x 2.0	92.0	41.0	41.0
MCHMM-36-16	16G-25MDH	7100-192675	1	25.4	M36 x 2.0	97.2	40.4	41.0
MCHMM-42-16	16G-30MDH	7100-192535	1	25.4	M42 x 2.0	99.2	42.4	46.0
MCHMM-52-20	20G-38MDH	7100-192545	1-1/4	31.8	M52 x 2.0	108.1	49.1	55.0

¥ Coupling pricing & availability on request.

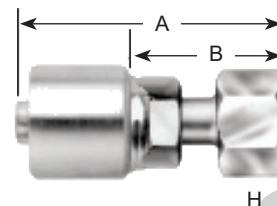
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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Female DIN 24° Cone Swivel - Heavy Series with O-Ring



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	H
			inch	mm		mm	mm	mm
MCHMF-14-04¥	4G-6FDHORX	7100-192975	1/4	6.4	M14 x 1.5	51.8	25.8	17.0
MCHMF-16-04	4G-8FDHORX	7100-192005	1/4	6.4	M16 x 1.5	54.4	28.4	19.0
MCHMF-18-04	4G-10FDHORX	7100-192155	1/4	6.4	M18 x 1.5	55.3	29.3	22.0
MCHMF-20-04¥	4G-12FDHORX	7100-192875	1/4	6.4	M20 x 1.5	55.7	29.7	24.0
MCHMF-18-05¥	5G-10FDHORX	7100-192025	5/16	7.9	M18 x 1.5	58.0	29.9	22.0
MCHMF-20-05¥	5G-12FDHORX	7100-192045	5/16	7.9	M20 x 1.5	58.0	29.9	24.0
MCHMF-18-06¥	6G-10FDHORX	7100-192185	3/8	9.5	M18 x 1.5	57.1	29.2	22.0
MCHMF-20-06	6G-12FDHORX	7100-192065	3/8	9.5	M20 x 1.5	57.8	29.9	24.0
MCHMF-22-06	6G-14FDHORX	7100-193305	3/8	9.5	M22 x 1.5	60.4	32.5	27.0
MCHMF-20-08¥	8G-12FDHORX	7100-193335	1/2	12.7	M20 x 1.5	70.2	32.7	24.0
MCHMF-24-08	8G-16FDHORX	7100-192085	1/2	12.7	M24 x 1.5	71.1	33.6	30.0
MCHMF-30-08¥	8G-20FDHORX	7100-192665	1/2	12.7	M30 x 2.0	75.5	38.0	36.0
MCHMF-24-10¥	10G-16FDHORX	7100-194105	5/8	15.9	M24 x 1.5	71.9	34.4	30.0
MCHMF-30-10	10G-20FDHORX	7100-192105	5/8	15.9	M30 x 2.0	75.7	38.2	36.0
MCHMF-30-12	12G-20FDHORX	7100-192855	3/4	19.0	M30 x 2.0	88.5	37.5	36.0
MCHMF-36-12	12G-25FDHORX	7100-192125	3/4	19.0	M36 x 2.0	93.6	42.6	46.0
MCHMF-36-16	16G-25FDHORX	7100-193215	1	25.4	M36 x 2.0	102.5	45.7	46.0
MCHMF-42-16	16G-30FDHORX	7100-192235	1	25.4	M42 x 2.0	106.0	49.2	50.0
MCHMF-52-20¥	20G-38FDHORX	7100-192245	1-1/4	31.8	M52 x 2.0	116.8	57.8	60.0

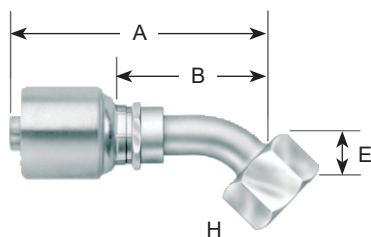
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Issue:	7
Issue Date:	01/11/16

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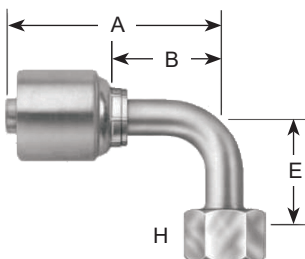
Female DIN 24° Cone Swivel Heavy Series with O-Ring - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCHMF45-16-04¥	4G-8FDHORX45	7100-191865	1/4	6.4	M16 x 1.5	62.6	36.5	16.2	19.0
MCHMF45-18-04	4G-10FDHORX45	7100-192275	1/4	6.4	M18 x 1.5	64.4	38.3	17.9	22.0
MCHMF45-20-04¥	4G-12FDHORX45	7100-192895	1/4	6.4	M20 x 1.5	66.7	40.7	18.3	24.0
MCHMF45-18-05¥	5G-10FDHORX45	7100-191905	5/16	7.9	M18 x 1.5	67.3	39.3	17.1	22.0
MCHMF45-20-05¥	5G-12FDHORX45	7100-191925	5/16	7.9	M20 x 1.5	67.7	39.7	18.9	24.0
MCHMF45-18-06¥	6G-10FDHORX45	7100-192305	3/8	9.5	M18 x 1.5	68.5	40.5	18.6	22.0
MCHMF45-20-06	6G-12FDHORX45	7100-191885	3/8	9.5	M20 x 1.5	68.8	40.9	18.9	24.0
MCHMF45-22-06	6G-14FDHORX45	7100-192345	3/8	9.5	M22 x 1.5	70.9	43.0	21.0	27.0
MCHMF45-24-08	8G-16FDHORX45	7100-191945	1/2	12.7	M24 x 1.5	86.0	48.5	21.6	30.0
MCHMF45-30-10	10G-20FDHORX45	7100-191965	5/8	15.9	M30 x 2.0	93.1	55.7	24.9	36.0
MCHMF45-36-12	12G-25FDHORX45	7100-191985	3/4	19.0	M36 x 2.0	118.6	67.6	31.2	46.0
MCHMF45-42-16	16G-30FDHORX45	7100-192355	1	25.4	M42 x 2.0	139.8	83.0	35.1	50.0
MCHMF45-52-20¥	20G-38FDHORX45	7100-194945	1-1/4	31.8	M52 x 2.0	145.0	107.9	42.5	60.0

¥ Coupling pricing & availability on request.

Female DIN 24° Cone Swivel Heavy Series with O-Ring - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	A	B	E	H
			inch	mm		mm	mm	mm	mm
MCHMF90-16-04	4G-8FDHORX90	7100-191695	1/4	6.4	M16 x 1.5	57.5	31.5	35.0	19.0
MCHMF90-18-04	4G-10FDHORX90	7100-192395	1/4	6.4	M18 x 1.5	57.5	31.5	36.5	22.0
MCHMF90-20-04¥	4G-12FDHORX90	7100-192915	1/4	6.4	M20 x 1.5	59.5	33.5	37.0	24.0
MCHMF90-18-05¥	5G-10FDHORX90	7100-191735	5/16	7.9	M18 x 1.5	62.5	34.4	36.5	22.0
MCHMF90-20-05¥	5G-12FDHORX90	7100-191755	5/16	7.9	M20 x 1.5	59.0	30.9	37.0	24.0
MCHMF-18-06¥	6G-10FDHORX90	7100-192425	3/8	9.5	M18 x 1.5	60.1	32.2	36.5	22.0
MCHMF90-20-06	6G-12FDHORX90	7100-191715	3/8	9.5	M20 x 1.5	60.1	32.2	37.0	24.0
MCHMF90-22-06	6G-14FDHORX90	7100-192465	3/8	9.5	M22 x 1.5	60.1	32.2	40.0	27.0
MCHMF90-24-08	8G-16FDHORX90	7100-191775	1/2	12.7	M24 x 1.5	77.9	40.4	44.0	30.0
MCHMF90-30-10	10G-20FDHORX90	7100-191795	5/8	15.9	M30 x 2.0	84.1	46.6	51.0	36.0
MCHMF90-30-12	12G-20FDHORX90	7100-193035	3/4	19.0	M30 x 2.0	100.3	49.3	51.0	36.0
MCHMF90-36-12	12G-25FDHORX90	7100-191815	3/4	19.0	M36 x 2.0	107.3	56.3	64.0	46.0
MCHMF90-42-16	16G-30FDHORX90	7100-192475	1	25.4	M42 x 2.0	131.1	74.3	76.0	50.0

¥ Coupling pricing & availability on request.

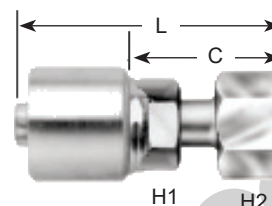
Wire Braid Fittings

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Issue:	7
Issue Date:	01/11/16

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Female Komatsu-Style Japanese Metric Swivel

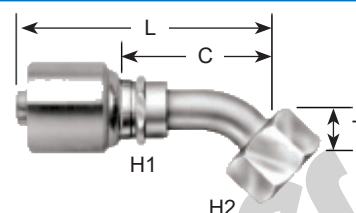


Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCKF-14-04	4G-4FKX	7100-13715	1/4	6.4	M14 x 1.5	9/16	3/4	56.3	30.2
MCKF-18-04¥	4G-6FKX	7100-13735	1/4	6.4	M18 x 1.5	11/16	7/8	61.3	35.3
MCKF-18-06	6G-6FKX	7100-13725	3/8	9.5	M18 x 1.5	11/16	7/8	62.8	34.9
MCKF-22-08	8G-8FKX	7100-03735	1/2	12.7	M22 x 1.5	7/8	1-1/16	74.5	37.0
MCKF-24-10	10G-10FKX	7100-03745	5/8	15.8	M24 x 1.5	1	1-1/4	78.5	41.1
MCKF-30-12	12G-12FKX	7100-03755	3/4	19.0	M30 x 1.5	1-1/8	1-3/8	87.1	46.1
MCKF-33-16	16G-16FKX	7100-03765	1	25.4	M33 x 1.5	1-3/8	1-5/8	114.6	57.8

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu-style

¥ Coupling pricing & availability on request.

Female Komatsu-Style Japanese Metric Swivel - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCKF45-14-04¥	4G-4FKX45	7100-06555	1/4	6.4	M14 x 1.5	1/2	3/4	19.0	78.0	52.0
MCKF45-18-06¥	6G-6FKX45	7100-06575	3/8	9.5	M18 x 1.5	5/8	7/8	28.0	86.0	58.1
MCKF45-22-08¥	8G-8FKX45	7100-06595	1/2	12.7	M22 x 1.5	13/16	1-1/16	18.0	95.0	57.5
MCKF45-24-10¥	10G-10FKX45	7100-06625	5/8	15.8	M24 x 1.5	15/16	1-1/4	28.0	112.5	75.0
MCKF45-30-12¥	12G-12FKX45	7100-06645	3/4	19.0	M30 x 1.5	1-1/16	1-7/8	30.0	133.0	82.0

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu-style

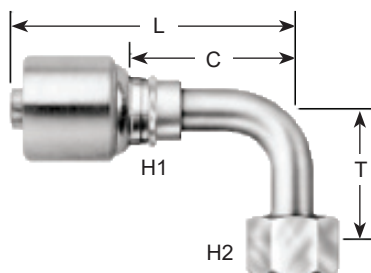
¥ Coupling pricing & availability on request.

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Issue:	7
Issue Date:	01/11/16

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Female Komatsu-Style Japanese Metric Swivel - 90° Bent Tube

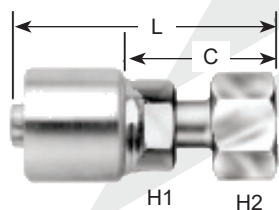


Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
MCKF90-14-04	4G-4FKX90M	7100-06705	1/4	6.4	M14 x 1.5	1/2	3/4	38.0	69.0	43.0
MCKF90-18-06	6G-6FKX90-028	7100-06955	3/8	9.5	M18 x 1.5	5/8	7/8	27.7	74.2	46.3
MCKF90-22-08¥	8G-8FKX90M	7100-06765	1/2	12.7	M22 x 1.5	13/16	1-1/16	35.0	88.0	50.5
MCKF90-30-12¥	12G-12FKX90M	7100-06825	3/4	19.0	M30 x 1.5	1-1/16	1-7/16	63.0	188.0	67.0

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu-style

¥ Coupling pricing & availability on request.

Female Japanese Industrial Standard Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
MCBJF-04-04	4G-4FJISX	7100-03305	1/4	6.4	1/4-19	19.0	19.0	56.0	30.0
MCBJF-06-06	6G-6FJISX	7100-03325	3/8	9.5	3/8-19	16.0	22.0	60.5	32.5
MCBJF-08-08	8G-8FJISX	7100-03345	1/2	12.7	1/2-14	20.0	27.0	74.5	37.0
MCBJF-12-12	12G-12FJISX	7100-03365	3/4	19.0	3/4-14	27.0	32.0	93.3	42.3
MCBJF-16-16	16G-16FJISX	7100-03385	1	25.4	1-11	35.0	38.0	103.6	46.8
MCBJF-20-20 ¥	20G-20FJISX	7100-03405	1 1/4	31.7	1 1/4-11	44.5	50.8	116.5	57.5

¥ Coupling pricing & availability on request.

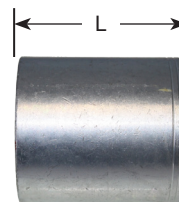
Wire Braid Fittings

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Issue:	7
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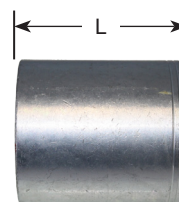
GS Ferrule for Wire Braid Hose



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	L		Hose ID	
			mm	inch	mm	
GS-06GS1F-2 ¥	6GS1F-1	7347-02875	30.5	3/8	9.5	
GS-06GS1F-2	6GS1F-2	7347-02945	30.5	3/8	9.5	
GS-08GBIF-PS ¥	8GBIF-PS	7347-02095	37.3	1/2	12.7	
GS-08GS1F-2	8GS1F-2	7347-02955	37.3	1/2	12.7	
GS-10GS1F-2	10GS1F-2	7347-02965	35.5	5/8	15.9	
GS-12GS1F-2 ¥	12GS1F-2	7347-02975	44.0	3/4	19.0	
GS-16GS1F-2 ¥	16GS1F-2	7347-02985	52.3	1	25.4	
GS-20GS1F-2 ¥	20GS1F-2	7347-02995	61.2	1 1/4	31.7	

¥ Coupling pricing & availability on request.

GSP Ferrule for Spiral Hose



GSP Ferrules for Braided Hose
(2 Grooves marked on Ferrule)

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	L		Hose ID	
			mm	inch	mm	
GSP-24-1F-2	24GSP1F-2	7347-03165	75.8	1 1/2	38.1	
GSP-32-1F-2	32GSP1F-2	7347-03185	90.0	2	50.8	

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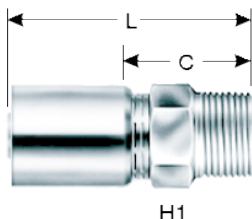
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Issue:	7
Issue Date:	01/11/16

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GL Fittings - G43 Series

Special Dies Required - Contact Hardy Spicer

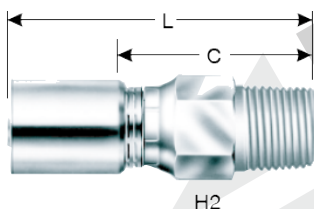
Male Pipe (NPTF - 30° Cone Seat)



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	L	C
			inch	mm		inch	mm	mm
GLNM-12-12	12GL-12MP	7348-00015	3/4	19	3/4-14	1 3/4	88.0	37.0
GLNM-16-12	12GL-16MP	7348-00025	3/4	19	1-11 1/2	1 3/8	92.5	41.6
GLNM-16-16	16GL-16MP	7348-00035	1	25.4	1-11 1/2	1 3/8	104.5	47.7
GLNM-20-20	20GL-20MP	7348-00045	1 1/4	31.7	1 1/4-11 1/2	1 3/4	112.0	53.0
GLNM-24-24	24GL-24MP	7348-00055	1 1/2	38.1	1 1/2-11 1/2	2	122.7	55.7
GLNM-32-32	32GL-32MP	7348-00065	2	50.8	2-11 1/2	2 1/2	137.0	59.2

¥ Coupling pricing & availability on request.

Male Pipe Swivel (NPTF - Without 30° Cone Seat)



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
GLNMS-12-12	12GL-12MPX	7348-00105	3/4	19	3/4-14	1 1/16	1 5/16	102.0	51.0
GLNMS-16-16	16GL-16MPX	7348-00115	1	25.4	1-11 1/2	1 3/8	1 5/8	120.2	63.4

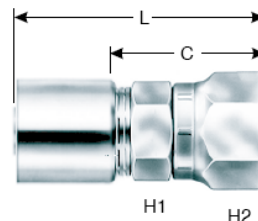
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

GL Fittings - G43 Series

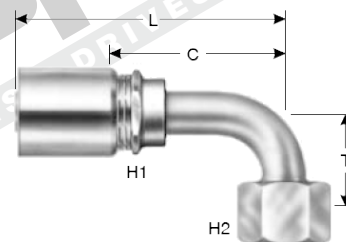
Special Dies Required - Contact Hardy Spicer

Female JIC 37° Flare Swivel



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		inch	inch	mm	mm
GLJF-17-12	12GL-12FJX	7348-00205	3/4	19	1 1/16-12	1 1/16	1 1/4	93.5	42.5
GLJF-19-12	12G-14FJX	7348-00215	3/4	19	1 3/16-12	1 1/8	1 3/8	92.7	41.6
GLJF-21-12	12GL-16FJX	7348-00225	3/4	19	1 5/16-12	1 1/4	1 1/2	96.0	45.0
GLJF-21-16	16GL-16FJX	7348-00235	1	25.4	1 5/16-12	1 3/8	1 1/2	106.0	49.2
GLJF-26-20	20GL-20FJX	7348-00245	1 1/4	31.7	1 5/8-12	1 3/4	2	116.4	57.4
GLJF-30-24	24GL-24FJX	7348-00255	1 1/2	38.1	1 7/8-12	2	2 1/4	129.5	64.7
GLJF-40-32	32GL-32FJX	7348-00265	2	50.8	2 1/2-12	2 1/2	2 7/8	152.0	74.2
GLJF-48-40	40GL-40FJX	7305-05475	2 1/2	63.5	3-12	N/A	3 1/2	136.1	73.9

Female JIC 37° Flare Swivel - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
GLJF90-17-12	12GL-12FJX90S	7348-01385	3/4	19	1 1/16-12	1 1/16	1 1/4	48.0	117.0	66.0
GLJF90-21-16	16GL-16FJX90S	7348-01485	1	25.4	1 5/16-12	1 3/8	1 1/2	56.0	130.0	73.2
GLJF90-26-20	20GL-20FJX90M	7348-01525	1 1/4	31.8	1 5/8-12	1 3/4	2	78.0	158.4	99.4

¥ Coupling pricing & availability on request.

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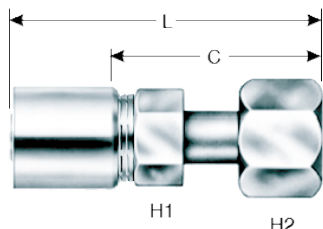
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GL Fittings - G43 Series

Special Dies Required - Contact Hardy Spicer

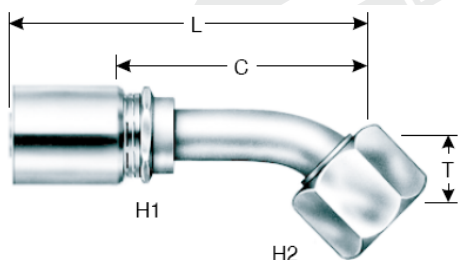
Female Flat-Face O-Ring Swivel



SAE J1453 O-Ring Face Seal.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	L	C
			inch	mm		"	"	mm	mm
GLORF-19-12	12GL-12FFORX	7348-00305	3/4	19.0	1 3/16-12	1 1/16	1 3/8	96.0	45.0
GLORF-23-16	16GL-16FFORX	7348-00355	1	25.4	1 7/16-12	1 3/8	1 5/8	113.4	56.5
GLORF-27-20	20GL-20FFORX	7348-00365	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	114.4	55.4

Female Flat-Face O-Ring Swivel - 45° Bent Tube

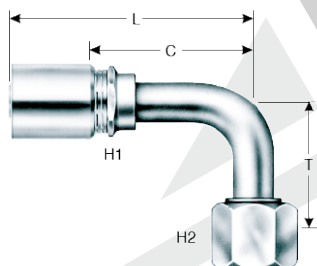


SAE J1453 O-Ring Face Seal.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
GLORF45-19-12	12GL-12FFORX45S	7348-00405	3/4	19.0	1 3/16-12	1 1/16	1 3/8	21.0	118.5	67.5
GLORF45-23-16	16GL-16FFORX45S	7348-00415	1	25.4	1 7/16-12	1 3/8	1 5/8	24.0	129.1	72.3
GLORF45-27-20	20GL-20FFORX45S	7348-00425	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	25.0	147.6	88.6

¥ Coupling pricing & availability on request.

Female Flat-Face O-Ring Swivel - 90° Bent Tube



SAE J1453 O-Ring Face Seal.

Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		Thread Size	H1	H2	T	L	C
			inch	mm		inch	inch	mm	mm	mm
GLORF90S-19-12¥	12GL-12FFORX90S	7348-00455	3/4	19.0	1 3/16-12	1 1/16	1 3/8	48.0	108.8	57.2
GLORF90S-23-16¥	16GL-16FFORX90S	7348-00465	1	25.4	1 7/16-12	1 3/8	1 5/8	56.0	129.9	73.1
GLORF90S-27-20¥	20GL-20FFORX90S	7348-00475	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	64.0	140.0	81.0

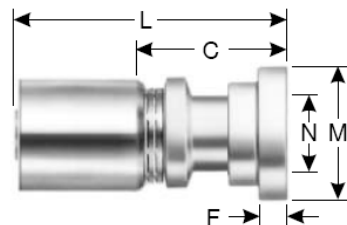
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Issue:	7
Issue Date:	01/11/16

GL Fittings - G43 Series

Special Dies Required - Contact Hardy Spicer

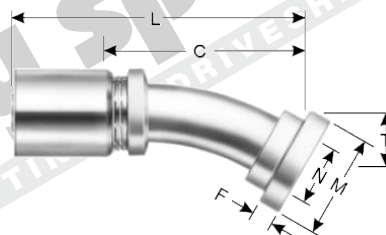
Code 61 O-Ring Flange



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	L	C	F
			inch	mm	inch	mm	mm	mm	mm
GL3FL-12-12	12GL-12FL	7348-00505	3/4	19.0	3/4	38.1	98.0	47.0	6.7
GL3FL-16-16	16GL-16FL	7348-00515	1	25.4	1	44.5	105.0	39.2	8.0
GL3FL-20-20	20GL-20FL	7348-00525	1 1/4	31.8	1 1/4	50.8	112.5	53.5	8.0
GL3FL-24-24	24GL-24FL	7348-00535	1 1/2	38.1	1 1/2	60.5	125.4	58.5	8.0
GL3FL-32-32	32GL-32FL	7348-00545	2	50.8	2	71.4	142.5	64.5	9.5
GL3FL-40-40	40GL-40FL	7305-05505	2 1/2	63.5	2 1/2	84.1	143.8	80.0	9.5
GL3FL-48-40	40GL-48FL	7305-05605	2 1/2	63.5	3	101.6	143.8	81.5	9.5
GL3FL-56-40	40GL-56FL	7305-05705	2 1/2	63.5	3 1/2	114.3	135.4	70.4	11.2
GL3FL-64-40	40GL-64FL	7305-05795	2 1/2	63.5	4	127.0	135.4	73.2	11.2
GL3FL-48-48	48GL-48FL	7305-05805	3	76.2	3	101.6	166.1	87.9	9.5
GL3FL-56-56	56GL-56FL	7305-06305	3 1/2	88.9	3 1/2	114.3	170.2	77.7	11.2
GL3FL-64-64	64GL-64FL	7305-06695	4	101.6	4	127.0	196.6	94.0	11.2

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 22 1/2° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
GL3FL22-24-24¥	24GL-24FL22M	7348-00575	1 1/2	38.1	1 1/2	60.5	18.0	162.3	65.4	8.1
GL3FL22-40-40¥	40GL-40FL22	7305-05515	2 1/2	63.5	2 1/2	84.1	16.0	173.0	110.7	9.5
GL3FL22-48-40¥	40GL-48FL22	7305-05615	2 1/2	63.5	3	101.6	17.0	174.2	112.0	9.5

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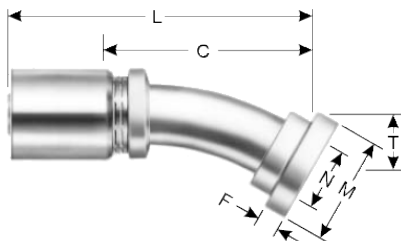
Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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GL Fittings - G43 Series

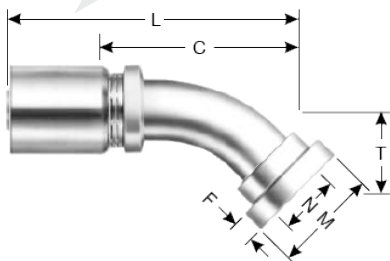
Special Dies Required - Contact Hardy Spicer

Code 61 O-Ring Flange - 30° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
GL3FL30-12-12	12GL-12FL30M	7348-00605	3/4	19.0	3/4	38.1	16.0	114.6	63.5	6.9
GL3FL30-16-16	16GL-16FL30M	7348-00615	1	25.4	1	44.5	19.0	125.0	68.3	8.1
GL3FL30-20-20	20GL-20FL30M	7348-00625	1 1/4	31.8	1 1/4	50.8	22.0	136.4	77.5	8.1
GL3FL30-24-24	24GL-24FL30M	7348-00635	1 1/2	38.1	1 1/2	60.5	30.0	174.2	107.3	8.1
GL3FL30-32-32	32GL-32FL30M	7348-00645	2	50.8	2	71.4	32.0	197.6	119.8	9.5
GL3FL30-40-40	40GL-40FL30	7305-05525	2 1/2	63.5	2 1/2	84.1	27.4	185.4	123.2	9.5
GL3FL30-48-40	40GL-48FL30	7305-05625	2 1/2	63.5	3	101.6	27.4	186.9	124.7	9.5
GL3FL30-48-48	48GL-48FL30	7305-05825	3	76.2	3	101.6	28.4	209.0	130.8	9.5

Code 61 O-Ring Flange - 45° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
GL3FL45-12-12	12GL-12FL45M	7348-00705	3/4	19.1	3/4	38.1	26.0	118.6	67.6	6.9
GL3FL45-16-16	16GL-16FL45M	7348-00715	1	25.4	1	38.1	28.0	129.8	72.9	8.1
GL3FL45-20-20	20GL-20FL45M	7348-00725	1 1/4	31.8	1 1/4	50.8	32.0	142.0	83.6	8.1
GL3FL45-24-24	24GL-24FL45S	7348-00735	1 1/2	38.1	1 1/2	60.5	38.0	168.2	101.3	8.1
GL3FL45-32-32	32GL-32FL45S	7348-00745	2	50.8	2	71.4	52.0	204.9	127.1	9.5
GL3FL45-40-40	40GL-40FL45	7305-05535	2 1/2	63.5	2 1/2	84.1	43.7	196.1	133.9	9.5
GL3FL45-48-40	40GL-48FL45	7305-05635	2 1/2	63.5	3	101.6	44.7	197.1	134.9	9.5
GL3FL45-48-48	48GL-48FL45	7305-05835	3	76.2	3	101.6	51.6	233.2	154.9	9.5
GL3FL45-56-48	48GL-56FL45	7305-05895	3	76.2	3 1/2	114.3	51.6	314.5	236.2	11.2
GL3FL45-56-56	56GL-56FL45	7305-06335	3 1/2	88.9	3 1/2	114.3	54.1	245.4	152.9	11.2
GL3FL45-64-56	56GL-64FL45	7305-06385	3 1/2	88.9	4	127.0	54.1	245.4	152.9	11.2

Wire Braid Fittings

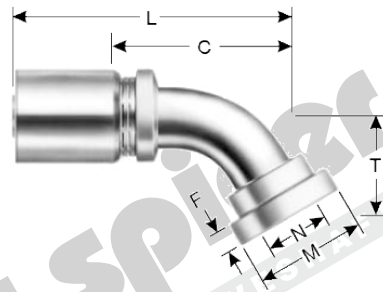
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Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

GL Fittings - G43 Series

Special Dies Required - Contact Hardy Spicer

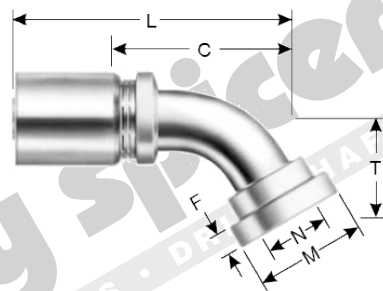
Code 61 O-Ring Flange - 60° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
GL3FL60-12-12	12GL-12FL60M	7348-00805	3/4	19.0	3/4	38.1	37.0	117.1	66.0	6.9
GL3FL60-16-16	16GL-16FL60M	7348-00815	1	25.4	1	44.5	44.0	130.6	73.7	8.1
GL3FL60-20-20	20GL-20FL60S	7348-00825	1 1/4	31.8	1 1/4	50.8	45.0	144.0	85.1	8.1
GL3FL60-24-24	24GL-24FL60S	7348-00835	1 1/2	38.1	1 1/2	60.5	53.0	168.4	101.4	8.1
GL3FL60-32-32	32GL-32FL60S	7348-00845	2	50.8	2	71.4	75.0	218.0	140.3	9.5
GL3FL60-40-40	40GL-40FL60	7305-05545	2 1/2	63.5	2 1/2	84.1	66.8	206.5	144.3	9.5
GL3FL60-48-48	48GL-48FL60	7305-05845	3	76.2	3	101.6	79.0	245.4	167.1	9.5

¥ Coupling pricing & availability on request.

Code 61 O-Ring Flange - 67 1/2° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
GL3FL67-32-32	32GL-32FL67S	7348-00875	2	50.8	2	71.4	85.0	217.3	139.5	9.5
GL3FL67-40-40	40GL-40FL67	7305-05555	2 1/2	63.5	2 1/2	84.1	79.5	208.8	146.6	9.5
GL3FL67-48-48	48GL-48FL67	7305-05905	3	76.2	3	101.6	98.3	241.3	163.1	9.5
GL3FL67-64-64	64GL-64FL67	7305-06635	4	101.6	4	127.0	175.3	360.7	258.3	11.2

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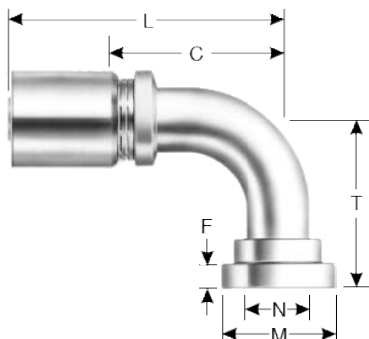
Document No:	HSYDCAT
Issue:	7
Issue Date:	01/11/16

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GL Fittings - G43 Series

Special Dies Required - Contact Hardy Spicer

Code 61 O-Ring Flange - 90° Bent Tube



Hardy Spicer Part Number	Gates Desc.	Gates Part Number	Hose ID		N	M	T	L	C	F
			inch	mm	inch	mm	mm	mm	mm	mm
GL3FL90-12-12	12GL-12FL90M	7348-00905	3/4	19.0	3/4	38.1	58.0	111.7	60.7	6.9
GL3FL90-16-12	12GL-16FL90S	7348-00915	3/4	19.0	1	44.5	61.0	111.7	60.7	8.1
GL3FL90-16-16	16GL-16FL90S	7348-00925	1	25.4	1	44.5	61.0	128.1	71.3	8.1
GL3FL90-20-16	16GL-20FL90S	7348-00935	1	25.4	1 1/4	50.8	68.0	128.1	71.3	8.1
GL3FL90-20-20	20GL-20FL90S	7348-00945	1 1/4	31.8	1 1/4	50.8	68.0	137.5	78.5	8.1
GL3FL90-24-20	20GL-24FL90-068	7348-00955	1 1/4	31.8	1 1/2	60.5	68.0	137.5	78.5	8.1
GL3FL90-24-24	24GL-24FL90S	7348-00965	1 1/2	38.1	1 1/2	60.5	79.2	159.0	91.9	8.1
GL3FL90-32-32	32GL-32FL90S	7348-00975	2	50.8	2	71.4	114.3	221.7	132.1	9.5
GL3FL90-40-40	40GL-40FL90	7305-05565	2 1/2	63.5	2 1/2	84.1	117.3	204.7	142.5	9.5
GL3FL90-48-40	40GL-48FL90	7305-05665	2 1/2	63.5	3	101.6	117.3	206.2	144.0	9.5
GL3FL90-56-40	40GL-56FL90	7305-05765	2 1/2	63.5	3 1/2	114.3	117.3	209.6	147.3	11.2
GL3FL90-48-48	48GL-48FL90	7305-05855	3	76.2	3	101.6	139.7	246.4	168.1	9.5
GL3FL90-56-56	56GL-56FL90	7305-06365	3 1/2	88.9	3 1/2	114.3	143.0	258.3	165.9	11.2
GL3FL90-64-56	56GL-64FL90	7305-06395	3 1/2	88.9	4	127.0	175.3	256.3	163.8	11.2
GL3FL90-64-64	64GL-64FL90	7305-06645	4	101.6	4	127.0	187.5	320.3	217.9	11.2

¥ Coupling pricing & availability on request.

Wire Braid Fittings

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Issue Date:	01/11/16

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