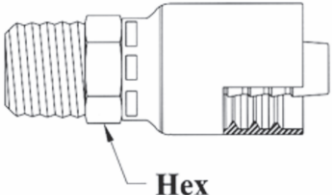

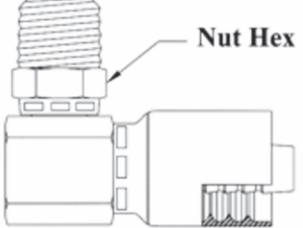


GRIP CRIMP COUPLINGS

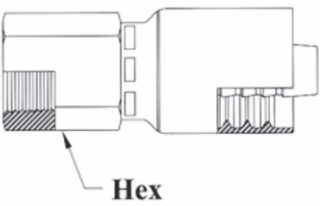
Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

A HOSE	GRIP CRIMP		NPTF - Male Solid										
	Hose I.D.	Pipe Size	Thread Size	Hex Size	Part No.								
B VAR-CRIMP COUPLINGS	1/4"	1/8"	1/8-27	9/16"	GC01-4x2								
	1/4"	1/4"	1/4-18	9/16"	GC01-4x4								
	1/4"	3/8"	3/8-18	11/16"	GC01-4x6								
	1/4"	1/2"	1/2-14	7/8"	GC01-4x8								
	3/8"	1/4"	1/4-18	3/4"	GC01-6x4								
	3/8"	3/8"	3/8-18	3/4"	GC01-6x6								
	3/8"	1/2"	1/2-14	7/8"	GC01-6x8								
	1/2"	1/4"	1/4-18	7/8"	GC01-8x4								
	1/2"	3/8"	3/8-18	7/8"	GC01-8x6								
	1/2"	1/2"	1/2-14	7/8"	GC01-8x8								
	1/2"	3/4"	3/4-14	1-1/8"	GC01-8x12								
	5/8"	1/2"	1/2-14	15/16"	GC01-10x8								
	5/8"	3/4"	3/4-14	1-1/8"	GC01-10x12								
	3/4"	1/2"	1/2-14	1-1/8"	GC01-12x8								
	3/4"	3/4"	3/4-14	1-1/8"	GC01-12x12								
	3/4"	1"	1-11 1/2	1-3/8"	GC01-12x16								
	C GRIP CRIMP COUPLINGS	1"	3/4"	3/4-14	1-3/8"	GC01-16x12							
1"		1"	1-11 1/2	1-3/8"	GC01-16x16								
1-1/4"		1-1/4"	1 1/4-11 1/2	1-11/16"	GC01-20x20								
1-1/2"		1-1/2"	1 1/2-11 1/2	2"	GC01-24x24								
2"		2"	2-11 1/2	2-1/2"	GC01-32x32								
D 3 SERIES THERMOPLASTIC													
							E QUICK COUPLERS	GRIP CRIMP		NPTF - Male Swivel			
								Hose I.D.	Pipe Size	Thread Size	Nut Hex	Part No.	
								F REUSABLES PUSH-ON ACCESS.	1/4"	1/8"	1/8-27	5/8"	GC04-4x2
									1/4"	1/4"	1/4-18	5/8"	GC04-4x4
	1/4"								3/8"	3/8-18	3/4"	GC04-4x6	
	3/8"								1/4"	1/4-18	3/4"	GC04-6x4	
	3/8"								3/8"	3/8-18	3/4"	GC04-6x6	
	3/8"								1/2"	1/2-14	7/8"	GC04-6x8	
	1/2"								3/8"	3/8-18	3/4"	GC04-8x6	
1/2"	1/2"	1/2-14	7/8"	GC04-8x8									
3/4"	3/4"	3/4-14	1-1/4"	GC04-12x12									
1"	1"	1-11 1/2	1-3/8"	GC04-16x16									
G ADAPTERS													
						Swivel for installation purposes only. Leakage may occur at low pressure.							
						H FABRICATION EQUIPMENT	GRIP CRIMP		NPTF - Male Swivel 90°				
							Hose I.D.	Pipe Size	Thread Size	Nut Hex	Part No.		
							J THREAD ID TECHNICAL	1/4"	1/4"	1/4-18	5/8"	GC14 4x4	
								3/8"	3/8"	3/8-18	3/4"	GC14-6x6	
								3/8"	1/2"	1/2-14	7/8"	GC14-6x8	
								1/2"	1/2"	1/2-14	7/8"	GC14-8x8	
								3/4"	3/4"	3/4-14	1-1/4"	GC14-12x12	
								1"	1"	1-11 1/2	1-3/8"	GC14-16x16	
WWW.COULAMATIC.COM													
								Swivel for installation purposes only. Leakage may occur at low pressure.					


GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

GRIP CRIMP NPTF - Female Solid

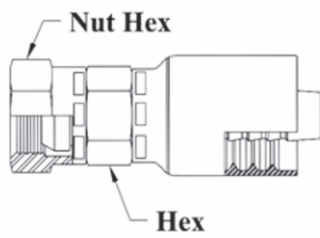
	Hose I.D.	Pipe Size	Thread Size	Hex Size	Part No.
	1/4"	1/8"	1/8-27	5/8"	GC02-4x2
	1/4"	1/4"	1/4-18	3/4"	GC02-4x4
	3/8"	1/4"	1/4-18	3/4"	GC02-6x4
	3/8"	3/8"	3/8-18	7/8"	GC02-6x6
	3/8"	1/2"	1/2-14	1"	GC02-6x8
	1/2"	1/2"	1/2-14	1"	GC02-8x8
	3/4"	3/4"	3/4-14	1-1/4"	GC02-12x12

GRIP CRIMP NPTF - Female Swivel

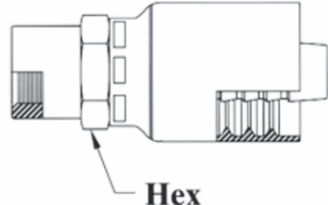
	Hose I.D.	Pipe Size	Thread Size	Hex Size	Nut Hex	Part No.
	1/4"	1/4"	1/4-18	5/8"	3/4"	GC16-4x4
	3/8"	3/8"	3/8-18	11/16"	7/8"	GC16-6x6
	1/2"	1/2"	1/2-14	7/8"	1"	GC16-8x8
	3/4"	3/4"	3/4-14	1-1/8"	1-1/4"	GC16-12x12

Swivel for installation purposes only. Leakage may occur at low pressure.

GRIP CRIMP NPSM - Female Swivel

	Hose I.D.	Pipe Size	Thread Size	Hex Size	Nut Hex	Part No.
	1/4"	1/4"	1/4-18	9/16"	11/16"	GC05-4x4
	3/8"	3/8"	3/8-18	11/16"	7/8"	GC05-6x6
	3/8"	1/2"	1/2-14	3/4"	1"	GC05-6x8
	1/2"	1/2"	1/2-14	7/8"	1"	GC05-8x8
	3/4"	3/4"	3/4-14	1-1/8"	1-1/4"	GC05-12x12
	1"	1"	1-11 1/2	1-3/8"	1-1/2"	GC05-16x16
	1-1/4"	1-1/4"	1 1/4-11 1/2	1-11/16"	1-7/8"	GC05-20x20

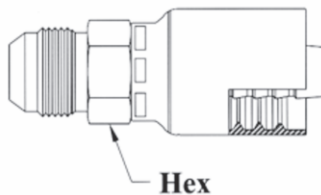





GRIP CRIMP 1/2-27 Grease Tap - Female

	Hose I.D.	Thread Size	Hex Size	Part No.
	1/4"	1/2-27	3/4"	GC03-4x8
	3/8"	1/2-27	3/4"	GC03-6x8

A	HOSE
B	VARIABLE CRIMP COUPLINGS
C	GRIP CRIMP COUPLINGS
D	3 SERIES THERMOPLASTIC
E	QUICK COUPLERS
F	REUSABLES, PUSHON, ACCESS.
G	ADAPTERS
H	FABRICATION EQUIPMENT
J	THREAD ID TECHNICAL
WWW.	COUPLAMATIC.COM

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

HOSE	GRIP CRIMP		JIC 37° - Male Solid			Part No.		
	Hose I.D.	Thread Size	Tube OD	Hex Size				
A VARIABLE CRIMP COUPLINGS	1/4"	7/16x20	1/4"	9/16"	GC08-4x4			
	1/4"	1/2x20	5/16"	9/16"	GC08-4x5			
	1/4"	9/16x18	3/8"	5/8"	GC08-4x6			
	3/8"	9/16x18	3/8"	11/16"	GC08-6x6			
	3/8"	3/4x16	1/2"	3/4"	GC08-6x8			
	3/8"	7/8x14	5/8"	7/8"	GC08-6x10			
	1/2"	3/4x16	1/2"	7/8"	GC08-8x8			
	1/2"	7/8x14	5/8"	7/8"	GC08-8x10			
	1/2"	1-1/16x12	3/4"	1-1/8"	GC08-8x12			
	5/8"	3/4x16	1/2"	15/16"	GC08-10x8			
	5/8"	7/8x14	5/8"	15/16"	GC08-10x10			
	5/8"	1-1/16x12	3/4"	1-1/8"	GC08-10x12			
	3/4"	7/8x14	5/8"	1-1/8"	GC08-12x10			
	3/4"	1-1/16x12	3/4"	1-1/8"	GC08-12x12			
	3/4"	1-3/16x12	7/8"	1-3/8"	GC08-12x14			
	3/4"	1-5/16x12	1"	1-3/8"	GC08-12x16			
	1"	1-3/16x12	7/8"	1-3/8"	GC08-16x14			
	1"	1-5/16x12	1"	1-3/8"	GC08-16x16			
1-1/4"	1-5/8x12	1-1/4"	1-11/16"	GC08-20x20				
1-1/2"	1-7/8x12	1-1/2"	2"	GC08-24x24				
B GRIP CRIMP COUPLINGS		1/4"	7/16x20	1/4"	9/16"	GC09-4x4		
		1/4"	1/2x20	5/16"	9/16"	GC09-4x5		
		1/4"	9/16x18	3/8"	9/16"	GC09-4x6		
		3/8"	7/16x20	1/4"	11/16"	GC09-6x4		
		3/8"	9/16x18	3/8"	11/16"	GC09-6x6		
		3/8"	3/4x16	1/2"	11/16"	GC09-6x8		
		3/8"	7/8x14	5/8"	7/8"	GC09-6x10		
		3/8"	1-1/16x12	3/4"	1"	GC09-6x12		
		1/2"	9/16x18	3/8"	7/8"	GC09-8x6		
		1/2"	3/4x16	1/2"	7/8"	GC09-8x8		
		1/2"	7/8x14	5/8"	7/8"	GC09-8x10		
		1/2"	1-1/16x12	3/4"	1-1/8"	GC09-8x12		
		1/2"	1-5/16x12	1"	1-1/4"	GC09-8x16		
		5/8"	3/4x16	1/2"	15/16"	GC09-10x8		
		5/8"	7/8x14	5/8"	15/16"	GC09-10x10		
		5/8"	1-1/16x12	3/4"	1-1/8"	GC09-10x12		
		3/4"	7/8x14	5/8"	1-1/8"	GC09-12x10		
		3/4"	1-1/16x12	3/4"	1-1/8"	GC09-12x12		
3/4"	1-3/16x12	7/8"	1-3/8"	GC09-12x14				
3/4"	1-5/16x12	1"	1-3/8"	GC09-12x16				
1"	1-1/16x12	3/4"	1-3/8"	GC09-16x12				
1"	1-5/16x12	1"	1-3/8"	GC09-16x16				
1"	1-5/8x12	1-1/4"	1-11/16"	GC09-16x20				
1-1/4"	1-5/8x12	1-1/4"	1-11/16"	GC09-20x20				
1-1/2"	1-7/8x12	1-1/2"	2"	GC09-24x24				
2"	2-1/2x12	2"	2-1/2"	GC09-32x32				
C QUICK COUPLERS	GRIP CRIMP		JIC 37° - Female Swivel			Part No.		
	Hose I.D.	Thread Size	Tube OD	Hex Size	Nut Hex			
	D 3 SERIES THERMOPLASTIC		1/4"	7/16x20	1/4"	9/16"	9/16"	GC09-4x4
			1/4"	1/2x20	5/16"	9/16"	5/8"	GC09-4x5
			1/4"	9/16x18	3/8"	9/16"	11/16"	GC09-4x6
			3/8"	7/16x20	1/4"	11/16"	9/16"	GC09-6x4
			3/8"	9/16x18	3/8"	11/16"	11/16"	GC09-6x6
			3/8"	3/4x16	1/2"	11/16"	7/8"	GC09-6x8
			3/8"	7/8x14	5/8"	7/8"	1"	GC09-6x10
			3/8"	1-1/16x12	3/4"	1"	1-1/4"	GC09-6x12
			1/2"	9/16x18	3/8"	7/8"	11/16"	GC09-8x6
			1/2"	3/4x16	1/2"	7/8"	7/8"	GC09-8x8
			1/2"	7/8x14	5/8"	7/8"	1"	GC09-8x10
			1/2"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-8x12
			1/2"	1-5/16x12	1"	1-1/4"	1-1/2"	GC09-8x16
			5/8"	3/4x16	1/2"	15/16"	7/8"	GC09-10x8
			5/8"	7/8x14	5/8"	15/16"	1"	GC09-10x10
			5/8"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-10x12
3/4"			7/8x14	5/8"	1-1/8"	1"	GC09-12x10	
3/4"			1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-12x12	
3/4"	1-3/16x12	7/8"	1-3/8"	1-1/2"	GC09-12x14			
3/4"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-12x16			
1"	1-1/16x12	3/4"	1-3/8"	1-1/4"	GC09-16x12			
1"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-16x16			
1"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-16x20			
1-1/4"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-20x20			
1-1/2"	1-7/8x12	1-1/2"	2"	2-1/4"	GC09-24x24			
2"	2-1/2x12	2"	2-1/2"	2-7/8"	GC09-32x32			
E REUSABLE PUSHON ACCESS.		1/4"	7/16x20	1/4"	9/16"	9/16"	GC09-4x4	
		1/4"	1/2x20	5/16"	9/16"	5/8"	GC09-4x5	
		1/4"	9/16x18	3/8"	9/16"	11/16"	GC09-4x6	
		3/8"	7/16x20	1/4"	11/16"	9/16"	GC09-6x4	
		3/8"	9/16x18	3/8"	11/16"	11/16"	GC09-6x6	
		3/8"	3/4x16	1/2"	11/16"	7/8"	GC09-6x8	
		3/8"	7/8x14	5/8"	7/8"	1"	GC09-6x10	
		3/8"	1-1/16x12	3/4"	1"	1-1/4"	GC09-6x12	
		1/2"	9/16x18	3/8"	7/8"	11/16"	GC09-8x6	
		1/2"	3/4x16	1/2"	7/8"	7/8"	GC09-8x8	
		1/2"	7/8x14	5/8"	7/8"	1"	GC09-8x10	
		1/2"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-8x12	
		1/2"	1-5/16x12	1"	1-1/4"	1-1/2"	GC09-8x16	
		5/8"	3/4x16	1/2"	15/16"	7/8"	GC09-10x8	
		5/8"	7/8x14	5/8"	15/16"	1"	GC09-10x10	
		5/8"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-10x12	
		3/4"	7/8x14	5/8"	1-1/8"	1"	GC09-12x10	
		3/4"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-12x12	
3/4"	1-3/16x12	7/8"	1-3/8"	1-1/2"	GC09-12x14			
3/4"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-12x16			
1"	1-1/16x12	3/4"	1-3/8"	1-1/4"	GC09-16x12			
1"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-16x16			
1"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-16x20			
1-1/4"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-20x20			
1-1/2"	1-7/8x12	1-1/2"	2"	2-1/4"	GC09-24x24			
2"	2-1/2x12	2"	2-1/2"	2-7/8"	GC09-32x32			
F ADAPTERS		1/4"	7/16x20	1/4"	9/16"	9/16"	GC09-4x4	
		1/4"	1/2x20	5/16"	9/16"	5/8"	GC09-4x5	
		1/4"	9/16x18	3/8"	9/16"	11/16"	GC09-4x6	
		3/8"	7/16x20	1/4"	11/16"	9/16"	GC09-6x4	
		3/8"	9/16x18	3/8"	11/16"	11/16"	GC09-6x6	
		3/8"	3/4x16	1/2"	11/16"	7/8"	GC09-6x8	
		3/8"	7/8x14	5/8"	7/8"	1"	GC09-6x10	
		3/8"	1-1/16x12	3/4"	1"	1-1/4"	GC09-6x12	
		1/2"	9/16x18	3/8"	7/8"	11/16"	GC09-8x6	
		1/2"	3/4x16	1/2"	7/8"	7/8"	GC09-8x8	
		1/2"	7/8x14	5/8"	7/8"	1"	GC09-8x10	
		1/2"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-8x12	
		1/2"	1-5/16x12	1"	1-1/4"	1-1/2"	GC09-8x16	
		5/8"	3/4x16	1/2"	15/16"	7/8"	GC09-10x8	
		5/8"	7/8x14	5/8"	15/16"	1"	GC09-10x10	
		5/8"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-10x12	
		3/4"	7/8x14	5/8"	1-1/8"	1"	GC09-12x10	
		3/4"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-12x12	
3/4"	1-3/16x12	7/8"	1-3/8"	1-1/2"	GC09-12x14			
3/4"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-12x16			
1"	1-1/16x12	3/4"	1-3/8"	1-1/4"	GC09-16x12			
1"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-16x16			
1"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-16x20			
1-1/4"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-20x20			
1-1/2"	1-7/8x12	1-1/2"	2"	2-1/4"	GC09-24x24			
2"	2-1/2x12	2"	2-1/2"	2-7/8"	GC09-32x32			
G FABRICATION EQUIPMENT		1/4"	7/16x20	1/4"	9/16"	9/16"	GC09-4x4	
		1/4"	1/2x20	5/16"	9/16"	5/8"	GC09-4x5	
		1/4"	9/16x18	3/8"	9/16"	11/16"	GC09-4x6	
		3/8"	7/16x20	1/4"	11/16"	9/16"	GC09-6x4	
		3/8"	9/16x18	3/8"	11/16"	11/16"	GC09-6x6	
		3/8"	3/4x16	1/2"	11/16"	7/8"	GC09-6x8	
		3/8"	7/8x14	5/8"	7/8"	1"	GC09-6x10	
		3/8"	1-1/16x12	3/4"	1"	1-1/4"	GC09-6x12	
		1/2"	9/16x18	3/8"	7/8"	11/16"	GC09-8x6	
		1/2"	3/4x16	1/2"	7/8"	7/8"	GC09-8x8	
		1/2"	7/8x14	5/8"	7/8"	1"	GC09-8x10	
		1/2"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-8x12	
		1/2"	1-5/16x12	1"	1-1/4"	1-1/2"	GC09-8x16	
		5/8"	3/4x16	1/2"	15/16"	7/8"	GC09-10x8	
		5/8"	7/8x14	5/8"	15/16"	1"	GC09-10x10	
		5/8"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-10x12	
		3/4"	7/8x14	5/8"	1-1/8"	1"	GC09-12x10	
		3/4"	1-1/16x12	3/4"	1-1/8"	1-1/4"	GC09-12x12	
3/4"	1-3/16x12	7/8"	1-3/8"	1-1/2"	GC09-12x14			
3/4"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-12x16			
1"	1-1/16x12	3/4"	1-3/8"	1-1/4"	GC09-16x12			
1"	1-5/16x12	1"	1-3/8"	1-1/2"	GC09-16x16			
1"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-16x20			
1-1/4"	1-5/8x12	1-1/4"	1-11/16"	2"	GC09-20x20			
1-1/2"	1-7/8x12	1-1/2"	2"	2-1/4"	GC09-24x24			
2"	2-1/2x12	2"	2-1/2"	2-7/8"	GC09-32x32			
H THREAD ID TECHNICAL		1/4"	7/16x20	1/4"	9/16"	9/16"	GC09-4x4	
		1/4"	1/2x20	5/16"	9/16"	5/8"	GC09-4x5	
		1/4"	9/16x18	3/8"	9/16"	11/16"	GC09-4x6	
		3/8"	7/16x20	1/4"	11/16"	9/16"	GC09-6x4	
		3/8"	9/16x18	3/8"	11/16"	11/16"	GC09-6x6	
		3/8"	3/4x16	1/2"	11/16"	7/8"	GC09-6x8	
		3/8"	7/8x14	5/8"	7/8"	1"	GC09-6x10	
		3/8"	1-1/16x12	3/4"	1"	1-1/4"	GC09-6x12	
		1/2"	9/16x18	3/8"	7/8"	11/16"	GC09-8x6	
		1/2"	3/4x16	1/2"	7/8"	7/8"	GC09-8x8	
		1/2"	7/8x14	5/8"	7/8"	1"	GC09-8x10	
		1/2"	1-1/16x12	3/				

GRIP CRIMP COUPLINGS

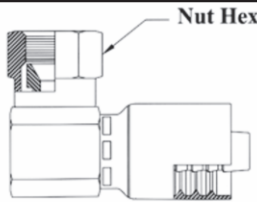
Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification.

Trivalent Zinc Plating

GRIP CRIMP

JIC 37° - 90° Female Swivel

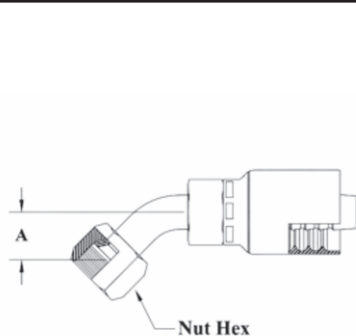
Hose I.D.	Thread Size	Tube OD	Nut Hex	Part No.
3/8"	9/16x18	3/8"	11/16"	GC17-6x6
3/8"	3/4x16	1/2"	7/8"	GC17-6x8
1/2"	3/4x16	1/2"	7/8"	GC17-8x8
1/2"	7/8x14	5/8"	1"	GC17-8x10



GRIP CRIMP

JIC/SAE Dual Seat - 45° Female Swivel

Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
1/4"	7/16x20	1/4"	0.47	9/16"	GC25-4x4
1/4"	1/2x20	5/16"	0.53	5/8"	GC25-4x5
1/4"	9/16x18	3/8"	0.59	11/16"	GC25-4x6*
3/8"	7/16x20	1/4"	0.47	9/16"	GC25-6x4
3/8"	1/2x20	5/16"	0.53	5/8"	GC25-6x5
3/8"	9/16x18	3/8"	0.59	11/16"	GC25-6x6*
3/8"	3/4x16	1/2"	0.71	7/8"	GC25-6x8
1/2"	3/4x16	1/2"	0.71	7/8"	GC25-8x8
1/2"	7/8x14	5/8"	0.84	1"	GC25-8x10
5/8"	7/8x14	5/8"	0.68	1"	GC25-10x10
5/8"	1-1/16x12	3/4"	0.78	1-1/4"	GC25-10x12*
3/4"	1-1/16x12	3/4"	1.12	1-1/4"	GC25-12x12*
3/4"	1-5/16x12	1"	1.15	1-1/2"	GC25-12x16*
1"	1-5/16x12	1"	1.15	1-1/2"	GC25-16x16*
1-1/4"	1-5/8x12	1-1/4"	1.69	2"	GC25 20x20

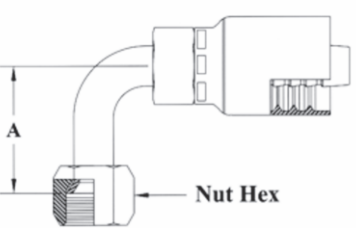


*JIC Seat and thread only

GRIP CRIMP

JIC/SAE Dual Seat - 90° Female Swivel

Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
1/4"	7/16x20	1/4"	0.81	9/16"	GC26-4x4
1/4"	1/2x20	5/16"	0.83	5/8"	GC26-4x5
1/4"	9/16x18	3/8"	0.91	11/16"	GC26-4x6*
3/8"	7/16x20	1/4"	0.81	9/16"	GC26-6x4
3/8"	1/2x20	5/16"	0.83	5/8"	GC26-6x5
3/8"	9/16x18	3/8"	0.91	11/16"	GC26-6x6*
3/8"	3/4x16	1/2"	1.15	7/8"	GC26-6x8
1/2"	3/4x16	1/2"	1.15	7/8"	GC26-8x8
1/2"	7/8x14	5/8"	1.23	1"	GC26-8x10
5/8"	7/8x14	5/8"	1.23	1"	GC26-10x10
5/8"	1-1/16x12	3/4"	1.88	1-1/4"	GC26-10x12*
3/4"	7/8x14	5/8"	1.23	1"	GC26-12x10
3/4"	1-1/16x12	3/4"	1.88	1-1/4"	GC26-12x12*
3/4"	1-5/16x12	1"	2.20	1-1/2"	GC26-12x16*
1"	1-5/16x12	1"	2.20	1-1/2"	GC26-16x16*
1-1/4"	1-5/8x12	1-1/4"	3.31	2"	GC26-20x20

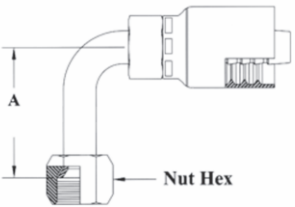
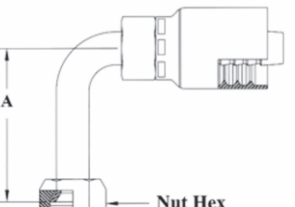
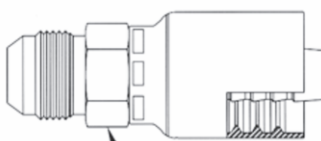
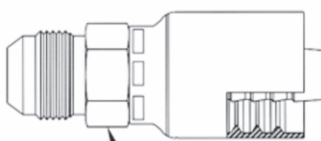


*JIC Seat and thread only

A
HOSE
B
VARI-CRIMP COUPLINGS
C
GRIP CRIMP COUPLINGS
D
3 SERIES THERMOPLASTIC
E
QUICK COUPLERS
F
REUSABLES, PUSH-IN, ACCESS.
G
ADAPTERS
H
FABRICATION EQUIPMENT
J
THREAD ID TECHNICAL
WWW.COUPPLAMATIC.COM

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

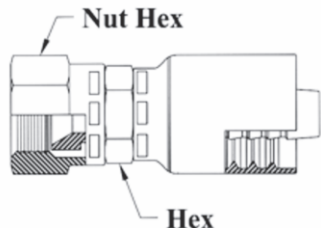
A HOSE	GRIP CRIMP		JIC/SAE Dual Seat - 90° Female Swivel Medium Drop			Part No.	
	Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex		
B VAR-CRIMP COUPLINGS	 <p>Nut Hex</p>	1/4"	7/16x20	1/4"	1.26	9/16"	GC24-4x4
		3/8"	9/16x18	3/8"	1.50	11/16"	GC24-6x6*
		1/2"	3/4x16	1/2"	1.63	7/8"	GC24-8x8
		3/4"	1-1/16x12	3/4"	2.28	1-1/4"	GC24-12x12*
		1"	1-5/16x12	1"	2.79	1-1/2"	GC24-16x16*
		*JIC Seat and thread only					
C GRIP CRIMP COUPLINGS	GRIP CRIMP		JIC/SAE Dual Seat - 90° Female Swivel Long Drop			Part No.	
D 3 SERIES THERMOPLASTIC	 <p>Nut Hex</p>	1/4"	7/16x20	1/4"	1.80		9/16"
		1/4"	1/2x20	5/16"	1.80	5/8"	GC27-4x5
		1/4"	9/16x18	3/8"	2.18	11/16"	GC27-4x6*
		3/8"	7/16x20	1/4"	1.80	9/16"	GC27-6x4
		3/8"	9/16x18	3/8"	2.18	11/16"	GC27-6x6*
		3/8"	3/4x16	1/2"	2.50	7/8"	GC27-6x8
		1/2"	3/4x16	1/2"	2.50	7/8"	GC27-8x8
		1/2"	7/8x14	5/8"	2.75	1"	GC27-8x10
		5/8"	7/8x14	5/8"	2.75	1"	GC27-10x10
		3/4"	1-1/16x12	3/4"	3.73	1-1/4"	GC27-12x12*
		1"	1-5/16x12	1"	4.50	1-1/2"	GC27-16x16*
		*JIC Seat and thread only					
E QUICK COUPLERS	GRIP CRIMP		SAE 45° - Male Solid			Part No.	
F REUSABLES PUSHON ACCESS.	 <p>Hex</p>	3/8"	5/8x18	3/8"	3/4"		GC06-6x6
		3/4"	1-1/16x14	3/4"	1-1/8"	GC06-12x12	
G ADAPTERS	GRIP CRIMP		SAE 45° - Male Solid			Part No.	
H FABRICATION EQUIPMENT	 <p>Hex</p>	3/8"	5/8x18	3/8"	3/4"		GC06-6x6
		3/4"	1-1/16x14	3/4"	1-1/8"	GC06-12x12	
J THREAD ID TECHNICAL	GRIP CRIMP		SAE 45° - Male Solid			Part No.	
WWW.COULAMATIC.COM	GRIP CRIMP		SAE 45° - Male Solid				Part No.

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

GRIP CRIMP

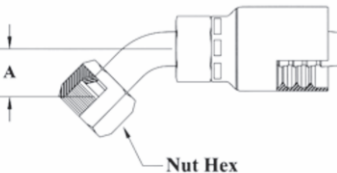
SAE 45° - Female Swivel

	Hose I.D.	Thread Size	Tube OD	Hex Size	Nut Hex	Part No.
	1/4"	5/8x18	3/8"	11/16"	3/4"	GC07-4x6
	3/8"	5/8x18	3/8"	3/4"	13/16"	GC07-6x6
	3/4"	1-1/16x14	3/4"	1-1/8"	1-1/4"	GC07-12x12

A HOSE
B VARIOUS CRIMP COUPLINGS

GRIP CRIMP


SAE 45° Seat - 45° Female Swivel

	Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
	3/8"	5/8x18	3/8"	0.59	3/4"	GC22-6x6

C GRIP CRIMP COUPLINGS
D 3 SERIES THERMOPLASTIC

GRIP CRIMP

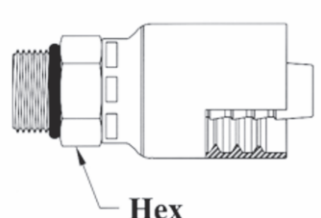
SAE 45° Seat - 90° Female Swivel

	Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
	3/8"	5/8x18	3/8"	0.91	3/4"	GC23-6x6
	3/8"	5/8x18	3/8"	2.18	3/4"	GC23-6x6L

E QUICK COUPLERS
F REUSABLES, PUSH-IN, ACCESS.

GRIP CRIMP

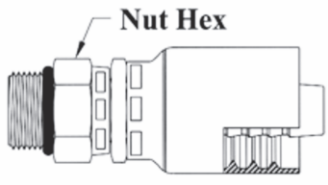
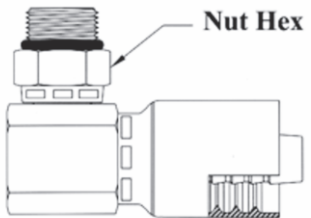
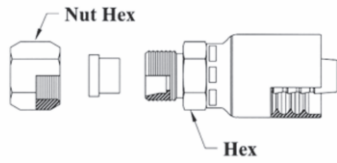
ORB - Male Solid

	Hose I.D.	Thread Size	Tube OD	Nut Hex	Part No.
	1/4"	7/16x20	1/4"	9/16"	GC11-4x4
	1/4"	1/2x20	5/16"	5/8"	GC11-4x5
	1/4"	9/16x18	3/8"	11/16"	GC11-4x6
	3/8"	9/16x18	3/8"	11/16"	GC11-6x6
	3/8"	3/4x16	1/2"	7/8"	GC11-6x8
	3/8"	7/8x14	5/8"	1"	GC11-6x10
	1/2"	3/4x16	1/2"	7/8"	GC11-8x8
	1/2"	7/8x14	5/8"	1"	GC11-8x10
	1/2"	1-1/16x12	3/4"	1-1/4"	GC11-8x12
	5/8"	3/4x16	1/2"	15/16"	GC11-10x8
	5/8"	7/8x14	5/8"	1"	GC11-10x10
	5/8"	1-1/16x12	3/4"	1-1/4"	GC11-10x12
	3/4"	7/8x14	5/8"	1-1/8"	GC11-12x10
	3/4"	1-1/16x12	3/4"	1-1/4"	GC11-12x12
	1"	1-5/16x12	1"	1-1/2"	GC11-16x16

G ADAPTERS
H FABRICATION EQUIPMENT
J THREAD ID TECHNICAL
WWW.COUPLAMATIC.COM

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating


		GRIP CRIMP		ORB - Male Swivel						
A HOSE	B VAR-CRIMP COUPLINGS	C GRIP CRIMP COUPLINGS	Hose I.D.	Thread Size	Tube OD	Nut Hex	Part No.			
				1/4" 3/8" 3/8" 1/2" 1/2" 3/4" 1"	7/16x20 9/16x18 3/4x16 3/4x16 7/8x14 1-1/16x12 1-5/16x12	1/4" 3/8" 1/2" 1/2" 5/8" 3/4" 1"	5/8" 7/8" 7/8" 7/8" 1" 1-1/4" 1-1/2"	GC12-4x4 GC12-6x6 GC12-6x8 GC12-8x8 GC12-8x10 GC12-12x12 GC12-16x16		
Swivel for installation purposes only. Leakage may occur at low pressure.										
		GRIP CRIMP		ORB - Male Swivel 90°						
D 3 SERIES THERMOPLASTIC	E QUICK COUPLERS	C GRIP CRIMP COUPLINGS	Hose I.D.	Thread Size	Tube OD	Nut Hex	Part No.			
				3/8" 3/8" 3/8" 1/2" 1/2" 3/4" 1"	9/16x18 3/4x16 7/8x14 3/4x16 7/8x14 1-1/16x12 1-5/16x12	3/8" 1/2" 5/8" 1/2" 5/8" 3/4" 1"	3/4" 7/8" 1" 7/8" 1" 1-1/4" 1-1/2"	GC15-6x6 GC15-6x8 GC15-6x10 GC15-8x8 GC15-8x10 GC15-12x12 GC15-16x16		
Swivel for installation purposes only. Leakage may occur at low pressure.										
		GRIP CRIMP		Tube Repair Couplings						
F REUSABLES PUSHON ACCESS.	G ADAPTERS	H FABRICATION EQUIPMENT	J THREAD ID TECHNICAL	WWW.COUPLAMATIC.COM	Hose I.D.	Thread Size	Tube OD	Hex Size	Nut Hex	Part No.
						1/4" 1/4" 3/8" 3/8" 3/8" 1/2" 1/2" 3/4" 1"	7/16x20 1/2x20 1/2x20 9/16x18 3/4x16 3/4x16 7/8x14 1-1/16x12 1-5/16x12	1/4" 5/16" 5/16" 3/8" 1/2" 1/2" 5/8" 3/4" 1"	9/16" 9/16" 11/16" 11/16" 3/4" 7/8" 7/8" 15/16" 1-1/8" 1-1/2"	9/16" 5/8" 5/8" 11/16" 7/8" 7/8" 7/8" 15/16" 1-1/4" 1-1/2"
					Nuts and Sleeves					
					Tube Size	Nut Part No.	Sleeve Part No.			
					1/4"	718x4	719x4			
					5/16"	718x5	719x5			
					3/8"	718x6	719x6			
					1/2"	718x8	719x8			
					5/8"	718x10	719x10			
					3/4"	718x12	719x12			
					1"	718x16	719x16			

GRIP CRIMP COUPLINGS

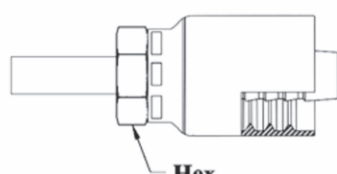
Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification.

Trivalent Zinc Plating

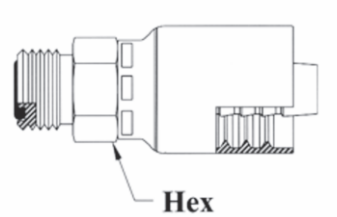
GRIP CRIMP Hose Splicer Couplings

		Hose I.D.	Part No.
		1/4"	GC13-4x4
		3/8"	GC13-6x6
		1/2"	GC13-8x8
		3/4"	GC13-12x12
		1"	GC13-16x16

GRIP CRIMP Standpipe

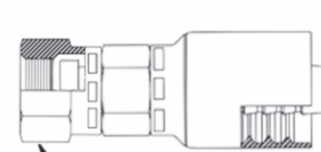
		Hose I.D.	Tube Size	Tube Rise	Hex Size	Part No.
		1/4"	1/4"	1.10	5/8"	GC21-4x4
		3/8"	3/8"	1.30	3/4"	GC21-6x6
		1/2"	1/2"	1.58	7/8"	GC21-8x8
		5/8"	5/8"	1.34	1"	GC21-10x10
		3/4"	3/4"	1.17	1-1/8"	GC21-12x12
		1"	1"	1.30	1-3/8"	GC21-16x16

GRIP CRIMP O-Ring Face Seal (ORF) - Male Solid

		Hose I.D.	Thread Size	Tube OD	Hex Size	Part No.
		1/4"	9/16x18	1/4"	5/8"	GC29-4x4
		3/8"	11/16x16	3/8"	3/4"	GC29-6x6
		3/8"	13/16x16	1/2"	7/8"	GC29-6x8
		1/2"	13/16x16	1/2"	7/8"	GC29-8x8
		1/2"	1x14	5/8"	1-1/16"	GC29-8x10
		1/2"	1-3/16x12	3/4"	1-1/4"	GC29-8x12
		5/8"	1x14	5/8"	1-1/16"	GC29-10x10
		5/8"	1-3/16x12	3/4"	1-1/4"	GC29-10x12
		3/4"	1-3/16x12	3/4"	1-1/4"	GC29-12x12
		1"	1-7/16x12	1"	1-1/2"	GC29-16x16

Couplings are capped with O-ring included.

GRIP CRIMP O-Ring Face Seal (ORF) - Female Swivel Short Rise

		Hose I.D.	Thread Size	Tube OD	Hex Size	Nut Hex	Part No.
		1/4"	9/16x18	1/4"	9/16"	11/16"	GC75-4x4
		1/4"	11/16x16	3/8"	5/8"	13/16"	GC75-4x6
		3/8"	11/16x16	3/8"	11/16"	13/16"	GC75-6x6
		3/8"	13/16x16	1/2"	3/4"	15/16"	GC75-6x8
		1/2"	13/16x16	1/2"	13/16"	15/16"	GC75-8x8
		1/2"	1x14	5/8"	15/16"	1-1/8"	GC75-8x10
		5/8"	1x14	5/8"	15/16"	1-1/8"	GC75-10x10
		5/8"	1-3/16x12	3/4"	1-1/8"	1-3/8"	GC75-10x12
		3/4"	1-3/16x12	3/4"	1-1/8"	1-3/8"	GC75-12x12
		3/4"	1-7/16x12	1"	1-3/8"	1-5/8"	GC75-12x16
		1"	1-7/16x12	1"	1-3/8"	1-5/8"	GC75-16x16
		1-1/4"	1-11/16x12	1-1/4"	1-11/16"	1-7/8"	GC75-20x20

A HOSE
B VARI-CRIMP COUPLINGS
C GRIP CRIMP COUPLINGS
D 3 SERIES THERMOPLASTIC
E QUICK COUPLERS
F REUSABLES, PUSH-ON, ACCESS.
G ADAPTERS
H FABRICATION EQUIPMENT
J THREAD ID TECHNICAL
WWW.COUPPLAMATIC.COM

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

		GRIP CRIMP		O-Ring Face Seal (ORF) - Female Swivel			
		Hose I.D.	Thread Size	Tube OD	Nut Hex	Part No.	
A HOSE	B VAR-CRIMP COUPLINGS	1/4"	9/16x18	1/4"	11/16"	GC30-4x4	
		1/4"	11/16x16	3/8"	13/16"	GC30-4x6	
		1/4"	13/16x16	1/2"	15/16"	GC30-4x8	
		3/8"	9/16x18	1/4"	11/16"	GC30-6x4	
		3/8"	11/16x16	3/8"	13/16"	GC30-6x6	
		3/8"	13/16x16	1/2"	15/16"	GC30-6x8	
		1/2"	11/16x16	3/8"	13/16"	GC30-8x6	
		1/2"	13/16x16	1/2"	15/16"	GC30-8x8	
		1/2"	1x14	5/8"	1-1/8"	GC30-8x10	
		1/2"	1-3/16x12	3/4"	1-3/8"	GC30-8x12	
		5/8"	1x14	5/8"	1-1/8"	GC30-10x10	
		5/8"	1-3/16x12	3/4"	1-3/8"	GC30-10x12	
		C GRIP CRIMP COUPLINGS	D 3 SERIES THERMOPLASTIC	3/4"	1x14	5/8"	1-1/8"
3/4"	1-3/16x12			3/4"	1-3/8"	GC30-12x12	
3/4"	1-7/16x12			1"	1-5/8"	GC30-12x16	
1"	1-7/16x12			1"	1-5/8"	GC30-16x16	
1-1/4"	1-11/16x12			1-1/4"	1-7/8"	GC30-20x20	
				GRIP CRIMP		O-Ring Face Seal (ORF) - 45° Female Swivel	
		Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
E QUICK COUPLERS	F REUSABLES PUSH-ON ACCESS.	1/4"	9/16x18	1/4"	0.41	11/16"	GC31-4x4
		1/4"	11/16x16	3/8"	0.48	13/16"	GC31-4x6
		3/8"	11/16x16	3/8"	0.43	13/16"	GC31-6x6
		3/8"	13/16x16	1/2"	0.60	15/16"	GC31-6x8
		1/2"	11/16x16	3/8"	0.43	13/16"	GC31-8x6
		1/2"	13/16x16	1/2"	0.59	15/16"	GC31-8x8
		1/2"	1x14	5/8"	0.68	1-1/8"	GC31-8x10
		5/8"	1x14	5/8"	0.68	1-1/8"	GC31-10x10
		5/8"	1-3/16x12	3/4"	0.83	1-3/8"	GC31-10x12
		3/4"	1x14	5/8"	0.68	1-1/8"	GC31-12x10
		3/4"	1-3/16x12	3/4"	0.83	1-3/8"	GC31-12x12
		3/4"	1-7/16x20	1"	1.15	1-5/8"	GC31-12x16
		1"	1-7/16x12	1"	1.15	1-5/8"	GC31-16x16
1-1/4"	1-11/16x12	1-1/4"	1.07	1-7/8"	GC31-20x20		
G ADAPTERS	H FABRICATION EQUIPMENT						
J THREAD ID TECHNICAL							
WWW.COUPLAMATIC.COM							

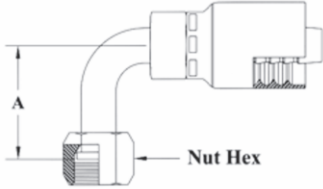
GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

GRIP CRIMP

O-Ring Face Seal (ORF) - 90° Female Swivel

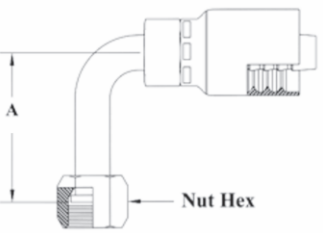
Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
1/4"	9/16x18	1/4"	0.80	11/16"	GC32-4x4
1/4"	11/16x16	3/8"	0.90	13/16"	GC32-4x6
3/8"	9/16x18	1/4"	0.78	11/16"	GC32-6x4
3/8"	11/16x16	3/8"	0.90	13/16"	GC32-6x6
3/8"	13/16x16	1/2"	1.15	15/16"	GC32-6x8
1/2"	11/16x16	3/8"	0.90	13/16"	GC32-8x6
1/2"	13/16x16	1/2"	1.15	15/16"	GC32-8x8
1/2"	1x14	5/8"	1.27	1-1/8"	GC32-8x10
5/8"	1x14	5/8"	1.27	1-1/8"	GC32-10x10
5/8"	1-3/16x12	3/4"	1.88	1-3/8"	GC32-10x12
3/4"	1x14	5/8"	1.27	1-1/8"	GC32-12x10
3/4"	1-3/16x12	3/4"	1.88	1-3/8"	GC32-12x12
3/4"	1-7/16x12	1"	2.20	1-5/8"	GC32-12x16
1"	1-7/16x12	1"	2.20	1-5/8"	GC32-16x16
1-1/4"	1-11/16x12	1-1/4"	2.51	1-7/8"	GC32-20x20



GRIP CRIMP

O-Ring Face Seal (ORF) - 90° Female Swivel Medium Drop

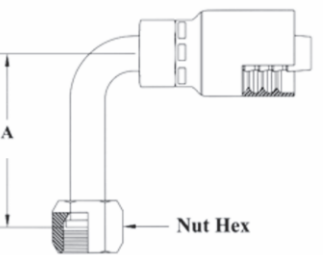
Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
1/4"	9/16x18	1/4"	1.26	11/16"	GC34-4x4
3/8"	11/16x16	3/8"	1.51	13/16"	GC34-6x6
3/8"	13/16x16	1/2"	1.62	15/16"	GC34-6x8
1/2"	11/16x16	3/8"	1.51	13/16"	GC34-8x6
1/2"	13/16x16	1/2"	1.62	15/16"	GC34-8x8
3/4"	1-3/16x12	3/4"	2.28	1-3/8"	GC34-12x12
1"	1-7/16x12	1"	2.78	1-5/8"	GC34-16x16
1-1/4"	1-11/16x12	1-1/4"	3.09	1-7/8"	GC34-20x20



GRIP CRIMP

O-Ring Face Seal (ORF) - 90° Female Swivel Long Drop


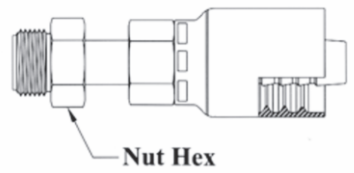

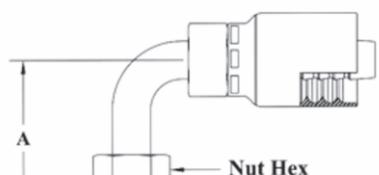
Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.
1/4"	9/16x18	1/4"	1.80	11/16"	GC33-4x4
1/4"	11/16x16	3/8"	2.13	13/16"	GC33-4x6
3/8"	11/16x16	3/8"	2.13	13/16"	GC33-6x6
3/8"	13/16x16	1/2"	2.51	15/16"	GC33-6x8
1/2"	13/16x16	1/2"	2.51	15/16"	GC33-8x8
1/2"	1x14	5/8"	2.76	1-1/8"	GC33-8x10
5/8"	1x14	5/8"	2.76	1-1/8"	GC33-10x10
3/4"	1-3/16x12	3/4"	3.78	1-3/8"	GC33-12x12
1"	1-7/16x12	1"	4.50	1-5/8"	GC33-16x16



A	HOSE
B	VARI-CRIMP COUPLINGS
C	GRIP CRIMP COUPLINGS
D	3 SERIES THERMOPLASTIC
E	QUICK COUPLERS
F	REUSABLES, PUSH-ON, ACCESS.
G	ADAPTERS
H	FABRICATION EQUIPMENT
J	THREAD ID TECHNICAL
WWW.	COUPLAMATIC.COM

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

HOSE	GRIP CRIMP O-Ring For O-Ring Face Seal (ORF)						
	Thread Size	Tube OD	Part No.				
A VARIABLE CRIMP COUPLINGS		9/16x18	1/4"	4629x4			
		11/16x16	3/8"	4629x6			
		13/16x16	1/2"	4629x8			
		1x14	5/8"	4629x10			
		1-3/16x12	3/4"	4629x12			
		1-7/16x12	1"	4629x16			
		1-11/16x12	1-1/4"	4629x20			
GRIP CRIMP COUPLINGS	GRIP CRIMP Male Inverted Flare						
	Hose I.D.	Thread Size	Tube OD	Nut Hex	Part No.		
D 3 SERIES THERMOPLASTIC		1/4"	3/8x24	3/16"	3/8"	GC18-4x3	
		1/4"	7/16x24	1/4"	7/16"	GC18-4x4	
		1/4"	1/2x20	5/16"	1/2"	GC18-4x5	
		3/8"	7/16x24	1/4"	7/16"	GC18-6x4	
		3/8"	1/2x20	5/16"	1/2"	GC18-6x5	
		3/8"	5/8x18	3/8"	5/8"	GC18-6x6	
		3/8"	11/16x18	7/16"	11/16"	GC18-6x7	
		1/2"	3/4x18	1/2"	3/4"	GC18-8x8	
GRIP CRIMP COUPLERS	GRIP CRIMP Male Inverted Flare - 45°						
	Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.	
E QUICK PUSHON ACCESS.		1/4"	3/8x24	3/16"	0.69	3/8"	GC19-4x3
		1/4"	7/16x24	1/4"	1.08	7/16"	GC19-4x4
		1/4"	1/2x20	5/16"	1.10	1/2"	GC19-4x5
		3/8"	7/16x24	1/4"	0.93	7/16"	GC19-6x4
		3/8"	1/2x20	5/16"	1.10	1/2"	GC19-6x5
		3/8"	5/8x18	3/8"	1.03	5/8"	GC19-6x6
		3/8"	11/16x18	7/16"	1.34	11/16"	GC19-6x7
		1/2"	3/4x18	1/2"	1.13	3/4"	GC19-8x8
GRIP CRIMP ADAPTERS	GRIP CRIMP Male Inverted Flare - 90°						
	Hose I.D.	Thread Size	Tube OD	A-Drop Inches	Nut Hex	Part No.	
G FABRICATION EQUIPMENT		1/4"	3/8x24	3/16"	1.06	3/8"	GC20-4x3
		1/4"	7/16x24	1/4"	1.23	7/16"	GC20-4x4
		1/4"	1/2x20	5/16"	1.38	1/2"	GC20-4x5
		3/8"	7/16x24	1/4"	1.36	7/16"	GC20-6x4
		3/8"	1/2x20	5/16"	1.38	1/2"	GC20-6x5
		3/8"	5/8x18	3/8"	1.63	5/8"	GC20-6x6
		3/8"	11/16x18	7/16"	1.97	11/16"	GC20-6x7
		1/2"	3/4x18	1/2"	2.20	3/4"	GC20-8x8
J THREAD ID TECHNICAL							
	WWW.COULAMATIC.COM						

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

GRIP CRIMP Code 61 Split Flange - Straight

Hose I.D.	Flange Size	A-Dia Inches	Part No.
1/2"	1/2"	1.19	GC47-8x8
1/2"	3/4"	1.50	GC47-8x12
3/4"	3/4"	1.50	GC47-12x12
3/4"	1"	1.75	GC47-12x16
1"	1"	1.75	GC47-16x16
1"	1-1/4"	2.00	GC47-16x20
1-1/4"	1-1/4"	2.00	GC47-20x20

A HOSE
B VARIOUS CRIMP COUPLINGS

GRIP CRIMP Code 61 Split Flange - 45° Bend

Hose I.D.	Flange Size	A-Dia Inches	B-Drop Inches	Part No.
1/2"	1/2"	1.19	0.78	GC50-8x8
1/2"	3/4"	1.50	0.82	GC50-8x12
3/4"	3/4"	1.50	1.00	GC50-12x12
3/4"	1"	1.75	1.00	GC50-12x16
1"	1"	1.75	1.12	GC50-16x16
1"	1-1/4"	2.00	1.12	GC50-16x20
1-1/4"	1-1/4"	2.00	1.12	GC50-20x20

C GRIP CRIMP COUPLINGS
D 3 SERIES THERMOPLASTIC

GRIP CRIMP Code 61 Split Flange - 90° Bend

Hose I.D.	Flange Size	A-Dia Inches	B-Drop Inches	Part No.
1/2"	1/2"	1.19	1.62	GC53-8x8
1/2"	3/4"	1.50	1.68	GC53-8x12
3/4"	3/4"	1.50	2.12	GC53-12x12
3/4"	1"	1.75	2.12	GC53-12x16
1"	1"	1.75	2.38	GC53-16x16
1"	1-1/4"	2.00	2.38	GC53-16x20
1-1/4"	1-1/4"	2.00	2.62	GC53-20x20

E QUICK COUPLERS
F REUSABLES, PUSH-IN, ACCESS.

GRIP CRIMP Code 61 Split Flange Kits

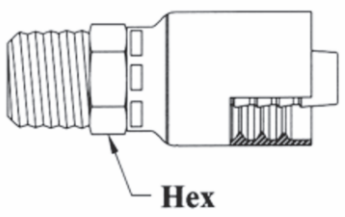
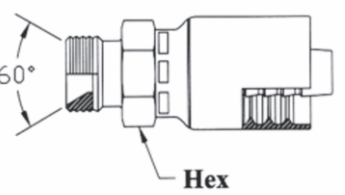
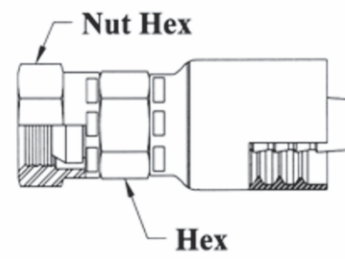
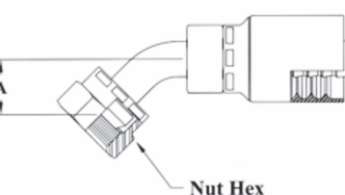
Flange Size	A Inches	B Inches	C Inches	Complete Kit Part No.	O-Ring Part No.
1/2"	1.50	.69	11/32	SFK-8	8252
3/4"	1.88	.88	13/32	SFK-12	12252
1"	2.06	1.03	13/32	SFK-16	16252
1-1/4"	2.31	1.19	15/32	SFK-20	20252

G ADAPTERS
H FABRICATION EQUIPMENT
J THREAD ID TECHNICAL

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GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

HOSE	GRIP CRIMP		BSPT - British Standard Tapered - Male Pipe Solid			Part No.						
	Hose I.D.	BSPT Size	Thread Size	Hex Size								
A												
B							1/4"	1/4"	R-1/4-19	5/8"	GC35-4x4	
C							3/8"	3/8"	R-3/8-19	3/4"	GC35-6x6	
							1/2"	1/2"	R-1/2-14	7/8"	GC35-8x8	
							3/4"	3/4"	R-3/4-14	1-1/8"	GC35-12x12	
R. as part of thread size is ISO designation for tapered thread												
THERMOPLASTIC	GRIP CRIMP		BSPP - British Standard Parallel 60° Seat - Male Pipe Solid			Part No.						
	Hose I.D.	BSPP Size	Thread Size	Hex Size								
D												
E							1/4"	1/4"	G-1/4-19	11/16"	GC36-4x4	
							3/8"	3/8"	G-3/8-19	3/4"	GC36-6x6	
							3/8"	1/2"	G-1/2-14	1"	GC36-6x8	
							1/2"	3/8"	G-3/8-19	7/8"	GC36-8x6	
							1/2"	1/2"	G-1/2-14	1"	GC36-8x8	
							3/4"	3/4"	G-3/4-14	1-1/8"	GC36-12x12	
	G. as part of thread size is ISO designation for parallel thread											
QUICK COUPLERS	GRIP CRIMP		BSPP - British Standard Parallel 60° Cone - Female Swivel			Part No.						
	Hose I.D.	BSPP Size	Thread Size	Hex Size	Nut Hex							
F												
G							1/4"	1/4"	G-1/4-19	9/16"	3/4"	GC10-4x4
							1/4"	3/8"	G-3/8-19	3/4"	7/8"	GC10-4x6
							3/8"	3/8"	G-3/8-19	3/4"	7/8"	GC10-6x6
							3/8"	1/2"	G-1/2-14	3/4"	1"	GC10-6x8
							1/2"	1/2"	G-1/2-14	7/8"	1"	GC10-8x8
							5/8"	5/8"	G-5/8-14	15/16"	1-3/16"	GC10-10x10
							3/4"	3/4"	G-3/4-14	1-1/8"	1-1/4"	GC10-12x12
							1"	1"	G-1-11	1-3/8"	1-1/2"	GC10-16x16
							1-1/4"	1-1/4"	G-1-1/4-11	1-11/16"	1-7/8"	GC10-20x20
							G. as part of thread size is ISO designation for parallel thread					
	FABRICATION EQUIPMENT	GRIP CRIMP		BSPP - British Standard Parallel 60° Cone - 45° Bend Female Swivel			Part No.					
Hose I.D.		BSPP Size	Thread Size	A-Drop Inches	Nut Hex							
H												
J							1/4"	1/4"	G-1/4-19	0.91	3/4"	GC43-4x4
							3/8"	3/8"	G-3/8-19	0.90	7/8"	GC43-6x6
							1/2"	1/2"	G-1/2-14	0.87	1"	GC43-8x8
							3/4"	3/4"	G-3/4-14	1.31	1-1/4"	GC43-12x12
	G. as part of thread size is ISO designation for parallel thread											
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GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification.

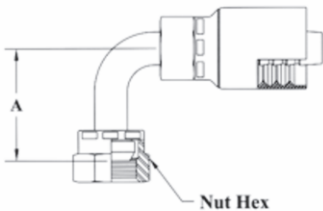
Trivalent Zinc Plating

GRIP CRIMP

BSPP - British Standard Parallel
60° Cone - 90° Bend Female Swivel

Hose I.D.	BSPP Size	Thread Size	A-Drop Inches	Nut Hex	Part No.
1/4"	1/4"	G-1/4-19	1.50	3/4"	GC46-4x4
3/8"	3/8"	G-3/8-19	1.60	7/8"	GC46-6x6
1/2"	1/2"	G-1/2-14	1.89	1"	GC46-8x8
5/8"	5/8"	G-5/8-14	1.83	1-3/16"	GC46-10x10
3/4"	3/4"	G-3/4-14	2.55	1-1/4"	GC46-12x12
1"	1"	G-1-11	2.98	1-1/2"	GC46-16x16

G. as part of thread size is ISO designation for parallel thread

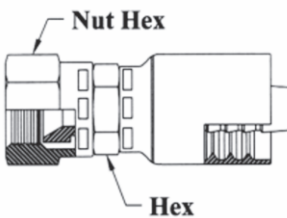


GRIP CRIMP

JIS 30° Flare Parallel Pipe - Female Swivel

Hose I.D.	Tube Size	Thread Size	Hex Size	Nut Hex	Part No.
1/4"	1/4"	G-1/4-19	5/8"	3/4"	GC40-4x4
3/8"	3/8"	G-3/8-19	11/16"	7/8"	GC40-6x6
1/2"	1/2"	G-1/2-14	7/8"	1-1/16"	GC40-8x8
3/4"	3/4"	G-3/4-14	1-1/8"	1-1/4"	GC40-12x12
1"	1"	G-1-11	1-3/8"	1-1/2"	GC40-16x16

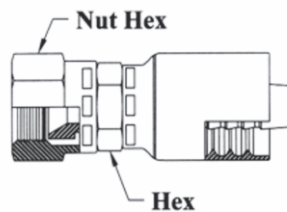
G. as part of thread size is ISO designation for parallel thread



GRIP CRIMP

Komatsu 30° Flare - Female Swivel

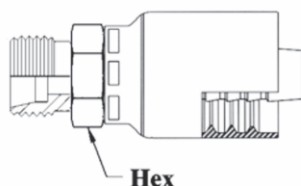
Hose I.D.	Thread Size	Hex Size	Nut Hex	Part No.
1/4"	M14x1.5	5/8"	3/4"	GC39-4x14
3/8"	M18x1.5	11/16"	7/8"	GC39-6x18
1/2"	M22x1.5	7/8"	1"	GC39-8x22
5/8"	M24x1.5	1"	1-1/4"	GC39-10x24
3/4"	M30x1.5	1-1/8"	1-3/8"	GC39-12x30
1"	M33x1.5	1-3/8"	1-1/2"	GC39-16x33
1-1/4"	M36x1.5	1-11/16"	1-7/8"	GC39-20x36



GRIP CRIMP

DIN Light 24° Seat - Male Solid

Hose I.D.	Thread Size	Tube OD	Hex Size	Part No.
1/4"	M14x1.5	8mm	5/8"	GC66-4x8
3/8"	M16x1.5	10mm	3/4"	GC66-6x10
3/8"	M18x1.5	12mm	3/4"	GC66-6x12
1/2"	M22x1.5	15mm	7/8"	GC66-8x15
5/8"	M26x1.5	18mm	1-1/16"	GC66-10x18
3/4"	M30x2.0	22mm	1-1/4"	GC66-12x22



A
HOSE

B
VAR-CRIMP
COUPLINGS

C
GRIP CRIMP
COUPLINGS

D
3 SERIES
THERMOPLASTIC

E
QUICK
COUPLERS

F
REUSABLES,
PUSH-ON ACCESS.

G
ADAPTERS

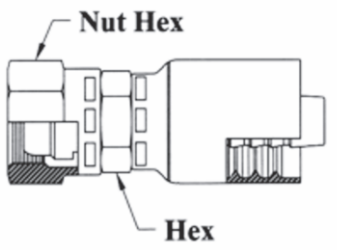
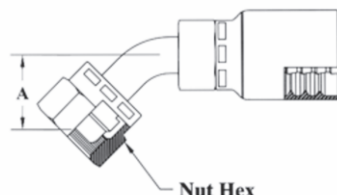
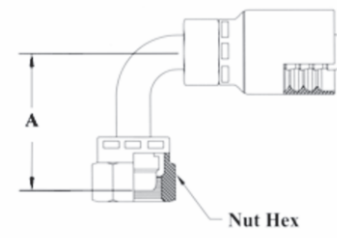
H
FABRICATION
EQUIPMENT

J
THREAD ID
TECHNICAL

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GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

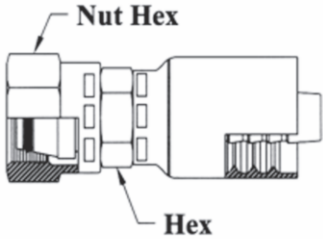
HOSE	GRIP CRIMP		DIN Light Universal Seat - Female Swivel			Part No.		
	Hose I.D.	Tube Size	Thread Size	Hex Size	Nut Hex			
A VARIABLE CRIMP COUPLINGS		1/4"	6mm	M12x1.5	5/8"	11/16"	GC37-4x6	
		1/4"	8mm	M14x1.5	5/8"	11/16"	GC37-4x8	
		1/4"	10mm	M16x1.5	5/8"	3/4"	GC37-4x10	
		3/8"	10mm	M16x1.5	11/16"	3/4"	GC37-6x10	
		3/8"	12mm	M18x1.5	11/16"	7/8"	GC37-6x12	
		1/2"	15mm	M22x1.5	7/8"	1-1/16"	GC37-8x15	
		5/8"	18mm	M26x1.5	15/16"	1-1/4"	GC37-10x18	
C GRIP CRIMP COUPLINGS		3/4"	22mm	M30x2.0	1-1/8"	1-1/2"	GC37-12x22	
		1"	28mm	M36x2.0	1-3/8"	1-7/8"	GC37-16x28	
		GRIP CRIMP		DIN Light Universal Seat - Female Swivel 45° Bend				
THERMOPLASTIC	D		Hose I.D.	Tube Size	Thread Size	A-Drop Inches	Nut Hex	Part No.
			1/4"	8mm	M14x1.5	0.97	11/16"	GC41-4x8
E QUICK COUPLERS		1/4"	10mm	M16x1.5	0.96	3/4"	GC41-4x10	
		3/8"	10mm	M16x1.5	0.96	3/4"	GC41-6x10	
		3/8"	12mm	M18x1.5	1.00	7/8"	GC41-6x12	
		1/2"	15mm	M22x1.5	1.18	1-1/16"	GC41-8x15	
		5/8"	18mm	M26x1.5	1.25	1-1/4"	GC41-10x18	
		3/4"	22mm	M30x2.0	1.41	1-1/2"	GC41-12x22	
		GRIP CRIMP		DIN Light Universal Seat - Female Swivel 90° Bend				
REUSABLES PUSH-ON ACCESS.	F		Hose I.D.	Tube Size	Thread Size	A-Drop Inches	Nut Hex	Part No.
			1/4"	8mm	M14x1.5	1.48	11/16"	GC44-4x8
G ADAPTERS		1/4"	10mm	M16x1.5	1.65	3/4"	GC44-4x10	
		3/8"	10mm	M16x1.5	1.65	3/4"	GC44-6x10	
		3/8"	12mm	M18x1.5	1.65	7/8"	GC44-6x12	
		1/2"	15mm	M22x1.5	1.93	1-1/16"	GC44-8x15	
		5/8"	18mm	M26x1.5	2.31	1-1/4"	GC44-10x18	
		3/4"	22mm	M30x2.0	2.59	1-1/2"	GC44-12x22	
		GRIP CRIMP		DIN Heavy 24° Seat - Male Solid				
FABRICATION EQUIPMENT	H		Hose I.D.	Thread Size	Tube Size	Hex Size	Part No.	
			1/4"	M16x1.5	8mm	5/8"	GC67-4x8	
J THREAD ID TECHNICAL		1/4"	M18x1.5	10mm	11/16"	GC67-4x10		
		3/8"	M18x1.5	10mm	3/4"	GC67-6x10		
		3/8"	M20x1.5	12mm	13/16"	GC67-6x12		
		3/8"	M22x1.5	14mm	7/8"	GC67-6x14		
		1/2"	M24x1.5	16mm	7/8"	GC67-8x16		
		5/8"	M30x2.0	20mm	1-1/4"	GC67-10x20		
		Hex						

GRIP CRIMP COUPLINGS

Bite to the Wire Hydraulic Hose ends for 100R1/1SN thin cover (57MB-1, 56MB-1), 100R2 thin cover (57MB-2, 56MB-2), 2SN (2SN), 2SK (2SK), HY-PLUS I (HPI), & III (HPIII), 100R16/2SC (R16), Dura-Hyd R16 (DH16), Dura-Hyd EX R16 (DHEX16), Ultra R16 (Ultra R16), 100R17 (R17 & R17R), Dura-Hyd R17 (DH17 & WDH17), 100R3 (3319A), 100R4 (104MB), & Jack hose (Male NPTF Solid Only) (JH). Grip Crimp couplings can be crimped in virtually all adjustable crimp machines. Some non-adjustable crimp equipment can produce crimp dimensions within CSI's recommended crimp specification. Trivalent Zinc Plating

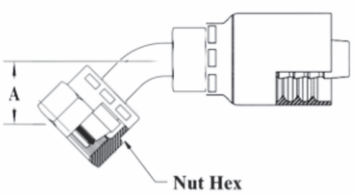
GRIP CRIMP

DIN Heavy 24° Seat - Female Swivel

	Hose I.D.	Tube Size	Thread Size	Hex Size	Nut Hex	Part No.
	1/4"	8mm	M16x1.5	5/8"	3/4"	GC38-4x8
	1/4"	10mm	M18x1.5	5/8"	7/8"	GC38-4x10
	3/8"	10mm	M18x1.5	3/4"	7/8"	GC38-6x10
	3/8"	12mm	M20x1.5	3/4"	1"	GC38-6x12
	3/8"	14mm	M22x1.5	3/4"	1-1/16"	GC38-6x14
	1/2"	16mm	M24x1.5	7/8"	1-1/8"	GC38-8x16
	5/8"	20mm	M30x2.0	1-1/8"	1-1/2"	GC38-10x20
	3/4"	20mm	M30x2.0	1-1/8"	1-1/2"	GC38-12x20
	3/4"	25mm	M36x2.0	1-3/8"	1-7/8"	GC38-12x25
	1"	30mm	M42x2.0	1-11/16"	2"	GC38-16x30

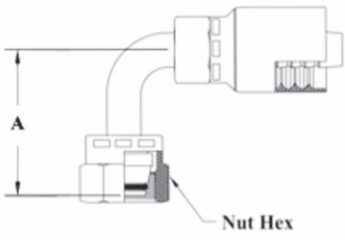
GRIP CRIMP

DIN Heavy 24° Seat - Female Swivel 45° Bend

	Hose I.D.	Tube Size	Thread Size	A-Drop Inches	Nut Hex	Part No.
	1/4"	10mm	M18x1.5	0.96	7/8"	GC42-4x10
	3/8"	12mm	M20x1.5	1.13	1"	GC42-6x12
	1/2"	16mm	M24x1.5	1.25	1-1/8"	GC42-8x16
	5/8"	20mm	M30x2.0	1.50	1-1/2"	GC42-10x20

GRIP CRIMP

DIN Heavy 24° Seat - Female Swivel 90° Bend

	Hose I.D.	Tube Size	Thread Size	A-Drop Inches	Nut Hex	Part No.
	1/4"	10mm	M18x1.5	1.50	7/8"	GC45-4x10
	3/8"	12mm	M20x1.5	1.95	1"	GC45-6x12
	3/8"	14mm	M22x1.5	2.07	1-1/16"	GC45-6x14
	1/2"	16mm	M24x1.5	2.05	1-1/8"	GC45-8x16
	5/8"	20mm	M30x2.0	2.38	1-1/2"	GC45-10x20

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A
HOSE

B
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E
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COUPLERS

F
REUSABLES,
PUSH-ON, ACCESS.

G
ADAPTERS

H
FABRICATION
EQUIPMENT

J
THREAD ID
TECHNICAL

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