

# Hydraulic Couplings: CM-Series

## Interchange Data

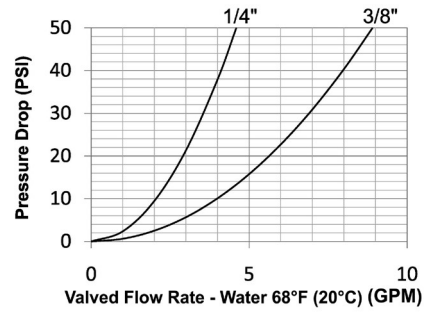
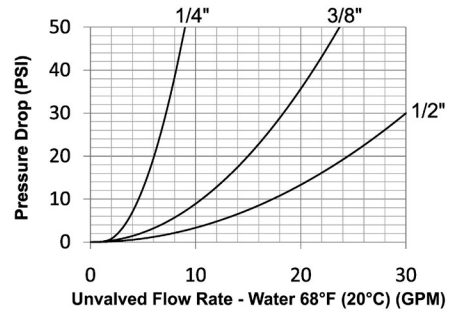
- Mold coolant interchange
- Foster Series-FJT, Hansen Flo-Temp, Parker Moldmate, DME Jiffy-Tite

## Seal Components

- Silicon gaskets and valve O-rings are standard, providing a temperature range of **-90°F to 400°F (-68°C to 205°C)**

## Materials

- Machined components are manufactured using solid steel or brass bar stock
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome



Rated Pressure Chart

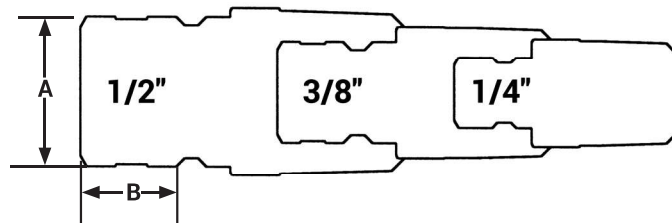
Body Size	CM-Series Industrial Mold Interchange (Connected)															
	Unvalved Coupler/Brass Plug				Unvalved Coupler/Steel Plug				Valved Coupler/Brass Plug				Valved Coupler/Steel Plug			
	Max. Working		Burst		Max. Working		Burst		Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4"	300	20	10,000	700	500	35	10,700	750	300	20	6,000	400	300	20	6,100	400
3/8"	300	20	14,500	1,000	500	35	14,200	1,000	300	20	6,700	450	300	20	6,100	400
1/2"	300	20	4,900	340	-	-	-	-	-	-	-	-	-	-	-	-

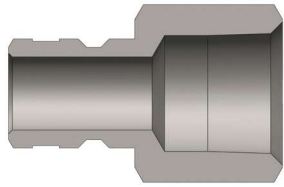
Technical Specifications

Body Size	Interchange Standards				Functional Parameters				
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 7 PSI
1/4"	-	-	-	-	6	N/A	N/A	N/R	3 GPM
3/8"	-	-	-	-	8	N/A	N/A	N/R	9 GPM
1/2"	-	-	-	-	8	N/A	N/A	N/R	15 GPM

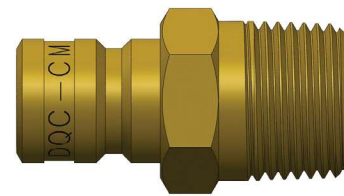
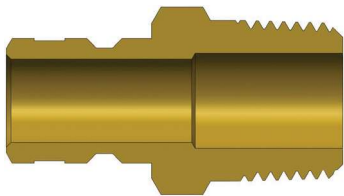
CM-Series Profiles

Body Size	A	B
1/4"	0.37	0.32
3/8"	0.53	0.49
1/2"	0.78	0.65



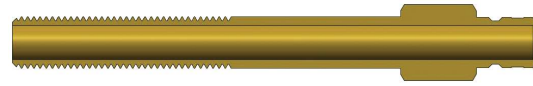


Body Size	CM-Series Industrial Mold Interchange Plug (Female Threads)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	CM2F1	1/8" - 27 NPTF	steel	0.90	22.9	0.58	14.7	1/2"
	CM2F1-B	1/8" - 27 NPTF	brass	0.90	22.9	0.58	14.7	1/2"
	CM2F2	1/4" - 18 NPTF	steel	1.12	28.4	0.72	18.3	5/8"
	CM2F2-B	1/4" - 18 NPTF	brass	1.12	28.4	0.72	18.3	5/8"
	CM2F3	3/8" - 18 NPTF	steel	1.12	28.4	0.87	22.1	3/4"
	CM2F3-B	3/8" - 18 NPTF	brass	1.12	28.4	0.87	22.1	3/4"
3/8"	CM3F2	1/4" - 18 NPTF	steel	1.34	34.0	0.72	18.3	5/8"
	CM3F2-B	1/4" - 18 NPTF	brass	1.34	34.0	0.72	18.3	5/8"
	CM3F3	3/8" - 18 NPTF	steel	1.34	34.0	0.87	22.1	3/4"
	CM3F3-B	3/8" - 18 NPTF	brass	1.34	34.0	0.87	22.1	3/4"
1/2"	CM4F4-B	1/2" - 14 NPTF	brass	1.69	42.9	1.16	29.5	1"
	CM4F6-B	3/4" - 14 NPTF	brass	1.69	42.9	1.37	34.8	1-3/16"

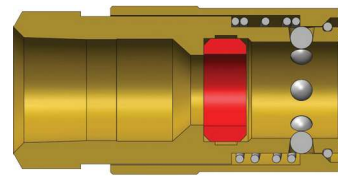


Body Size	CM-Series Industrial Mold Interchange Plug (Male Threads)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	CM2M1-B	1/8" - 27 NPTF	brass	1.00	25.4	0.65	16.5	9/16"
	CM2M2-B	1/4" - 18 NPTF	brass	1.26	32.0	0.65	16.5	9/16"
	CM2M3-B	3/8" - 18 NPTF	brass	1.20	30.5	0.79	20.1	11/16"
3/8"	CM3M2-B	1/4" - 18 NPTF	brass	1.37	34.8	0.65	16.5	9/16"
	CM3M3-B	3/8" - 18 NPTF	brass	1.43	36.3	0.79	20.1	11/16"
	CM3M4-B	1/2" - 14 NPTF	brass	1.58	40.1	1.01	25.7	7/8"
1/2"	CM4M4-B	1/2" - 14 NPTF	brass	1.69	42.9	1.01	25.7	7/8"
	CM4M6-B	3/4" - 14 NPTF	brass	1.79	45.5	1.23	31.2	1-1/16"

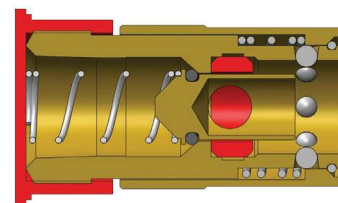
# Hydraulic Couplings: CM-Series



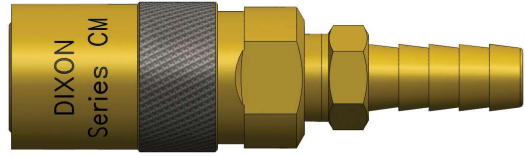
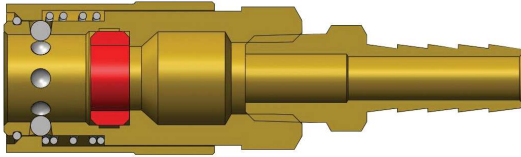
Body Size	CM-Series Industrial Mold Interchange Extension Plug (Male Threads)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	CM2M1-B-L2.5	1/8" - 27 NPTF	brass	2.50	63.5	0.51	13.0	7/16"
	CM2M1-B-L4	1/8" - 27 NPTF	brass	4.00	101.6	0.51	13.0	7/16"
	CM2M1-B-L5.5	1/8" - 27 NPTF	brass	5.50	139.7	0.51	13.0	7/16"
	CM2M2-B-L2.5	1/4" - 18 NPTF	brass	2.50	63.5	0.65	16.5	9/16"
	CM2M2-B-L4	1/4" - 18 NPTF	brass	4.00	101.6	0.65	16.5	9/16"
	CM2M2-B-L5.5	1/4" - 18 NPTF	brass	5.50	139.7	0.65	16.5	9/16"
	CM2M2-B-L7	1/4" - 18 NPTF	brass	7.00	177.8	0.65	16.5	9/16"
3/8"	CM3M1-B-L2.5	1/8" - 27 NPTF	brass	2.50	63.5	0.65	16.5	9/16"
	CM3M1-B-L4	1/8" - 27 NPTF	brass	4.00	101.6	0.65	16.5	9/16"
	CM3M1-B-L5.5	1/8" - 27 NPTF	brass	5.50	139.7	0.65	16.5	9/16"
	CM3M1-B-L7	1/8" - 27 NPTF	brass	7.00	177.8	0.65	16.5	9/16"
	CM3M2-B-L2.5	1/4" - 18 NPTF	brass	2.50	63.5	0.65	16.5	9/16"
	CM3M2-B-L4	1/4" - 18 NPTF	brass	4.00	101.6	0.65	16.5	9/16"
	CM3M2-B-L5.5	1/4" - 18 NPTF	brass	5.50	139.7	0.65	16.5	9/16"
	CM3M2-B-L7	1/4" - 18 NPTF	brass	7.00	177.8	0.65	16.5	9/16"
	CM3M2-B-L8.5	1/4" - 18 NPTF	brass	8.50	215.9	0.65	16.5	9/16"
	CM3M2-B-L11.5	1/4" - 18 NPTF	brass	11.50	292.1	0.65	16.5	9/16"



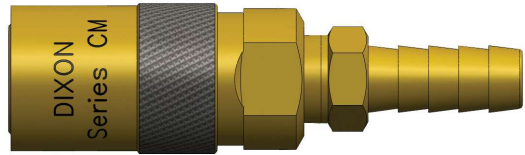
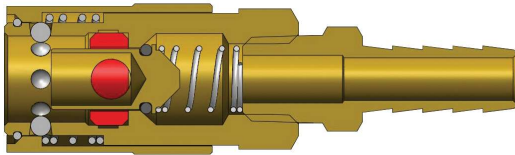
Body Size	CM-Series Industrial Mold Interchange Unvalved Coupler (Female Threads)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	2CMF1-B-E	1/8" - 27 NPTF	brass	1.35	34.3	0.69	17.5	9/16"
	2CMF2-B-E	1/4" - 18 NPTF	brass	1.35	34.3	0.79	20.1	11/16"
3/8"	3CMF2-B-E	1/4" - 18 NPTF	brass	1.84	46.7	0.95	24.1	3/4"
	3CMF3-B-E	3/8" - 18 NPTF	brass	1.84	46.7	1.01	25.7	7/8"
1/2"	4CMF4-B-E	1/2" - 14 NPTF	brass	2.02	51.3	1.24	31.5	1-1/8"



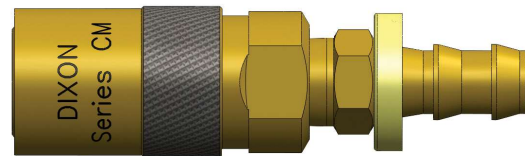
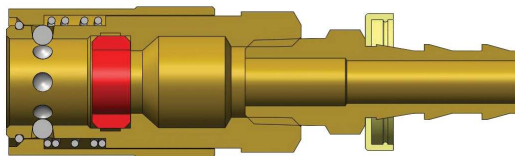
Body Size	CM-Series Industrial Mold Interchange Valved Coupler (Female Threads)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	2CMF1-B	1/8" - 27 NPTF	brass	1.35	34.3	0.69	17.5	9/16"
3/8"	3CMF2-B	1/4" - 18 NPTF	brass	1.84	46.7	0.95	24.1	3/4"



Body Size	CM-Series Industrial Mold Interchange Unvalved Coupler (Hose Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CMS2-B-E	1/4"	brass	2.11	53.6	0.69	17.5	-
	2CMS2.5-B-E	5/16"	brass	2.10	53.3	0.69	17.5	-
	2CMS3-B-E	3/8"	brass	2.10	53.3	0.69	17.5	-
3/8"	3CMS3-B-E	3/8"	brass	2.55	64.8	0.95	24.1	-
	3CMS4-B-E	1/2"	brass	2.55	64.8	0.95	24.1	-
1/2"	4CMS4-B-E	1/2"	brass	2.98	75.7	1.18	30.0	-
	4CMS6-B-E	3/4"	brass	2.98	75.7	1.18	30.0	-

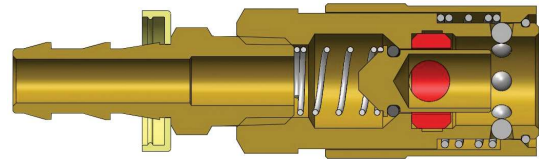
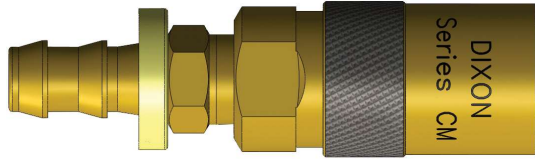


Body Size	CM-Series Industrial Mold Interchange Valved Coupler (Hose Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CMS2-B	1/4"	brass	2.66	67.6	0.69	17.5	-
	2CMS2.5-B	5/16"	brass	2.66	67.6	0.69	17.5	-
	2CMS3-B	3/8"	brass	2.66	67.6	0.69	17.5	-
3/8"	3CMS3-B	3/8"	brass	3.30	83.8	0.95	24.1	-
	3CMS4-B	1/2"	brass	3.28	83.3	0.95	24.1	-

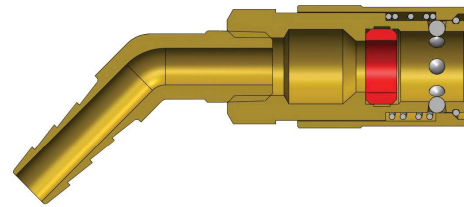
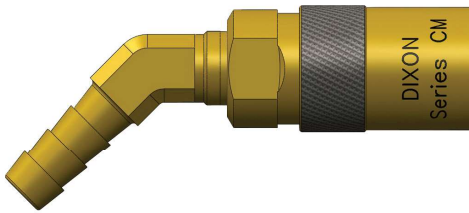


Body Size	CM-Series Industrial Mold Interchange Unvalved Coupler (Push-Loc Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CMB2-B-E	1/4"	brass	2.08	52.8	0.69	17.5	-
	2CMB3-B-E	3/8"	brass	2.08	52.8	0.69	17.5	-
3/8"	3CMB3-B-E	3/8"	brass	2.53	64.3	0.95	24.1	-
	3CMB4-B-E	1/2"	brass	2.69	68.3	0.95	24.1	-
1/2"	4CMB4-B-E	1/2"	brass	3.12	79.2	1.18	30.0	-
	4CMB6-B-E	3/4"	brass	3.12	79.2	1.18	30.0	-

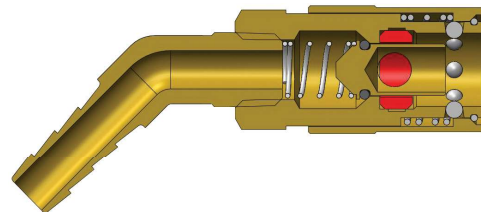
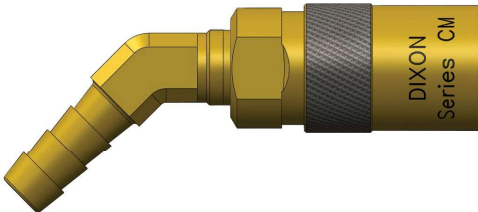
# Hydraulic Couplings: CM-Series



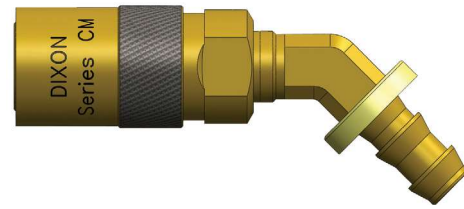
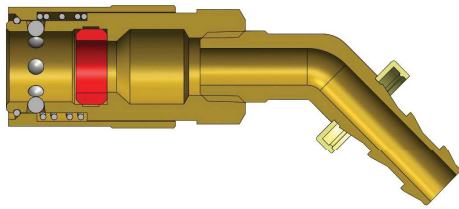
Body Size	CM-Series Industrial Mold Interchange Valved Coupler (Push-Loc Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CMB2-B	1/4"	brass	2.64	67.1	0.69	17.5	-
	2CMB3-B	3/8"	brass	2.67	67.8	0.69	17.5	-
3/8"	3CMB3-B	3/8"	brass	3.28	83.3	0.95	24.1	-
	3CMB4-B	1/2"	brass	3.44	87.4	0.95	24.1	-



Body Size	CM-Series Industrial Mold Interchange Unvalved Coupler (45° Hose Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM4S2-B-E	1/4"	brass	2.87	72.9	0.69	17.5	-
	2CM4S2.5-B-E	5/16"	brass	2.89	73.4	0.69	17.5	-
	2CM4S3-B-E	3/8"	brass	2.91	73.9	0.69	17.5	-
3/8"	3CM4S3-B-E	3/8"	brass	3.83	97.3	0.95	24.1	-
	3CM4S4-B-E	1/2"	brass	3.86	98.0	0.95	24.1	-
1/2"	4CM4S4-B-E	1/2"	brass	4.18	106.2	1.18	30.0	-
	4CM4S6-B-E	3/4"	brass	4.56	115.8	1.18	30.0	-

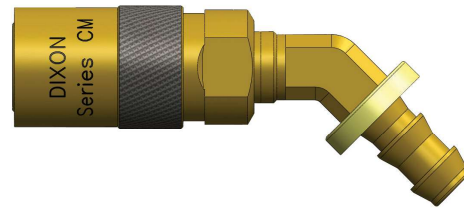
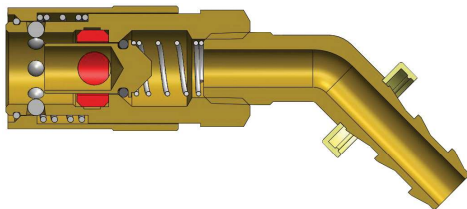


Body Size	CM-Series Industrial Mold Interchange Valved Coupler (45° Hose Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM4S2-B	1/4"	brass	2.87	72.9	0.69	17.5	-
	2CM4S2.5-B	5/16"	brass	2.89	73.4	0.69	17.5	-
	2CM4S3-B	3/8"	brass	2.91	73.9	0.69	17.5	-
3/8"	3CM4S3-B	3/8"	brass	3.83	97.3	0.95	24.1	-
	3CM4S4-B	1/2"	brass	3.86	98.0	0.95	24.1	-



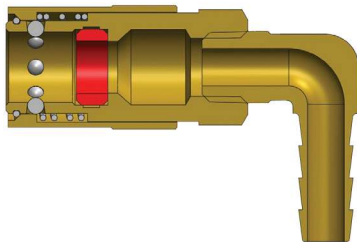
**CM-Series Industrial Mold Interchange Unvalved Coupler (45° Push-Loc Barb)**

Body Size	CM-Series Industrial Mold Interchange Unvalved Coupler (45° Push-Loc Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM4B2-B-E	1/4"	brass	2.86	72.6	0.69	17.5	-
	2CM4B3-B-E	3/8"	brass	2.92	74.2	0.69	17.5	-
3/8"	3CM4B3-B-E	3/8"	brass	3.82	97.0	0.95	24.1	-
	3CM4B4-B-E	1/2"	brass	3.98	101.1	0.95	24.1	-
1/2"	4CM4B4-B-E	1/2"	brass	4.28	108.7	1.18	30.0	-
	4CM4B6-B-E	3/4"	brass	4.56	115.8	1.18	30.0	-



**CM-Series Industrial Mold Interchange Valved Coupler (45° Push-Loc Barb)**

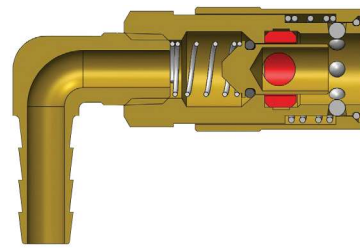
Body Size	CM-Series Industrial Mold Interchange Valved Coupler (45° Push-Loc Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM4B2-B	1/4"	brass	2.86	72.6	0.69	17.5	-
	2CM4B3-B	3/8"	brass	2.92	74.2	0.69	17.5	-
3/8"	3CM4B3-B	3/8"	brass	3.82	97.0	0.95	24.1	-
	3CM4B4-B	1/2"	brass	3.98	101.1	0.95	24.1	-



**CM-Series Industrial Mold Interchange Unvalved Coupler (90° Hose Barb)**

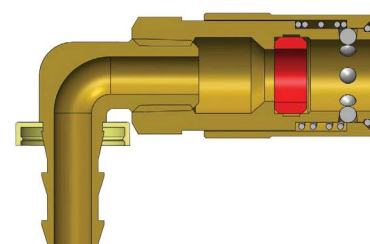
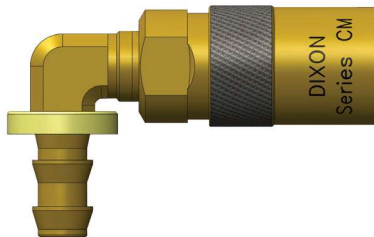
Body Size	CM-Series Industrial Mold Interchange Unvalved Coupler (90° Hose Barb)							
	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM9S2-B-E	1/4"	brass	1.98	50.3	0.69	17.5	-
	2CM9S2.5-B-E	5/16"	brass	1.98	50.3	0.69	17.5	-
	2CM9S3-B-E	3/8"	brass	2.17	55.1	0.69	17.5	-
3/8"	3CM9S3-B-E	3/8"	brass	2.84	72.1	0.95	24.1	-
	3CM9S4-B-E	1/2"	brass	2.85	72.4	0.95	24.1	-
1/2"	4CM9S4-B-E	1/2"	brass	3.50	88.9	1.18	30.0	-
	4CM9S6-B-E	3/4"	brass	3.50	88.9	1.18	30.0	-

# Hydraulic Couplings: CM-Series



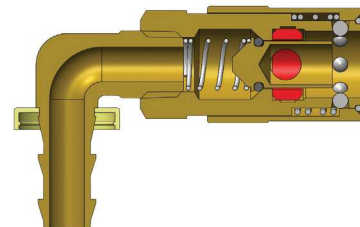
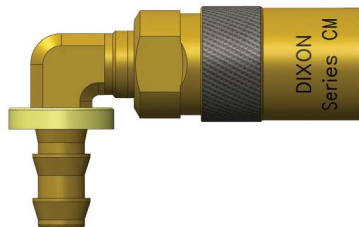
**CM-Series Industrial Mold Interchange Valved Coupler (90° Hose Barb)**

Body Size	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
	1/4"	2CM9S2-B	1/4"	brass	1.98	50.3	0.69	
2CM9S2.5-B		5/16"	brass	1.98	50.3	0.69	17.5	-
2CM9S3-B		3/8"	brass	2.17	55.1	0.69	17.5	-
3/8"	3CM9S3-B	3/8"	brass	2.84	72.1	0.95	24.1	-
	3CM9S4-B	1/2"	brass	2.85	72.4	0.95	24.1	-



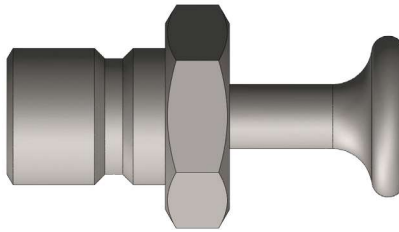
**CM-Series Industrial Mold Interchange Unvalved Coupler (90° Push-Loc Barb)**

Body Size	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM9B2-B-E	1/4"	brass	2.07	52.6	0.69	17.5	-
	2CM9B3-B-E	3/8"	brass	2.17	55.1	0.69	17.5	-
3/8"	3CM9B3-B-E	3/8"	brass	2.93	74.4	0.95	24.1	-
	3CM9B4-B-E	1/2"	brass	2.98	75.7	0.95	24.1	-
1/2"	4CM9B4-B-E	1/2"	brass	3.50	88.9	1.18	30.0	-
	4CM9B6-B-E	3/4"	brass	3.50	88.9	1.18	30.0	-



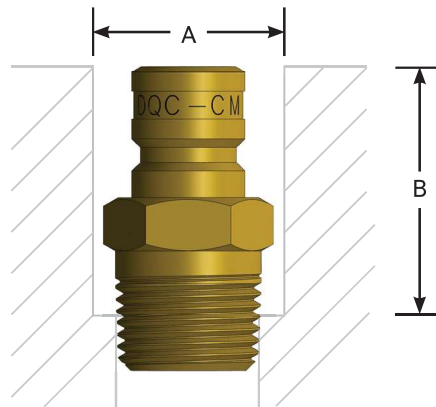
**CM-Series Industrial Mold Interchange Valved Coupler (90° Push-Loc Barb)**

Body Size	Part Detail			Length		Maximum OD		Hex inch
	Part #	Hose ID	Material	inch	mm	inch	mm	
1/4"	2CM9B2-B	1/4"	brass	2.07	52.6	0.69	17.5	-
	2CM9B3-B	3/8"	brass	2.17	55.1	0.69	17.5	-
3/8"	3CM9B3-B	3/8"	brass	2.93	74.4	0.95	24.1	-
	3CM9B4-B	1/2"	brass	2.98	75.7	0.95	24.1	-



Body Size	CM-Series Coupler Rigid Dust Plug		
	Part Detail		
	Part #	Lanyard	Body
1/4"	2CMPC-B	N/A	brass
3/8"	3CMPC-B	N/A	brass
1/2"	4CMPC-B	N/A	brass

Body Size	CM-Series Industrial Mold Interchange Coupler Seal Kits			
	Part Detail			Seal Kit Contents
	Part #	Coupler Style	Seal Material	
1/4"	2CM-SKIT	all	silicone	body seal
3/8"	3CM-SKIT	all	silicone	body seal
1/2"	4CM-SKIT	all	silicone	body seal



Counterbored mold ports will protect the male threaded plug, allowing the plug to be mounted below the surface, simplifying storing and handling of molds. Dixon male threaded plugs are constructed of corrosion resistant brass to maximize longevity in moist environments.

Body Size	Part Detail		Dimension A	Dimension B
	Part #	Threads		
1/4"	CM2M1-B	1/8" - 27 NPTF	17.5 mm (0.69")	17.5 mm (0.69")
	CM2M2-B	1/4" - 18 NPTF	21.3 mm (0.84")	23.9 mm (0.94")
	CM2M3-B	3/8" - 18 NPTF	25.4 mm (1.00")	24.6 mm (0.97")
3/8"	CM3M2-B	1/4" - 18 NPTF	17.5 mm (0.69")	23.9 mm (0.94")
	CM3M3-B	3/8" - 18 NPTF	21.3 mm (0.84")	28.7 mm (1.13")
	CM3M4-B	1/2" - 14 NPTF	25.4 mm (1.00")	31.8 mm (1.25")
1/2"	CM4M4-B	1/2" - 14 NPTF	31.8 mm (1.25")	38.1 mm (1.50")
	CM4M6-B	3/4" - 14 NPTF	38.1 mm (1.50")	39.6 mm (1.56")