

FD89 Series



Male Half Female SAE O-Ring/Valved	Coupling Size	Thread Size (P)	Part Number		
			A	B	Buna-N
	-04	3/8-18	2.00 (50.9)	0.87 (22.0)	FD89-1004-06-04
	-06	3/8-16	2.46 (62.5)	1.06 (27.0)	FD89-1004-08-06
	-06	3/8-14	2.52 (64.0)	1.18 (30.0)	FD89-1004-10-06
	-08	1/2-14	2.76 (70.0)	1.26 (32.0)	FD89-1004-10-08
	-08	1/2-12	2.83 (72.0)	1.42 (36.0)	FD89-1004-12-08
	-12	1 1/8-12	2.83 (72.0)	1.42 (36.0)	FD89-1004-12-12
	-16	1 1/8-12	3.24 (83.3)	1.73 (45.0)	FD89-1004-16-16
	-20	1 1/2-12	3.54 (89.8)	2.17 (55.0)	FD89-1004-20-20
	-24	1 1/2-12	4.37 (111.1)	2.56 (65.0)	FD89-1004-24-24
	-32	2 1/8-12	4.87 (123.8)	2.95 (75.0)	FD89-1004-32-32

Female Half Female SAE O-Ring/Valved	Coupling Size	Thread Size (P)	Part Number		
			A	B	Buna-N
	-04	3/8-18	2.09 (53.1)	1.10 (28.0)	FD89-1005-06-04
	-06	3/8-16	2.72 (69.2)	1.26 (32.0)	FD89-1005-08-06
	-06	3/8-14	2.80 (71.2)	1.26 (32.0)	FD89-1005-10-06
	-08	1/2-14	3.00 (76.3)	1.50 (38.0)	FD89-1005-10-08
	-08	1/2-12	3.29 (83.3)	1.65 (42.0)	FD89-1005-12-08
	-12	1 1/8-12	3.29 (83.3)	1.65 (42.0)	FD89-1005-12-12
	-16	1 1/8-12	3.67 (93.2)	1.89 (48.0)	FD89-1005-16-16
	-20	1 1/2-12	4.17 (106.0)	2.17 (55.0)	FD89-1005-20-20
	-24	1 1/2-12	5.21 (132.4)	3.15 (80.0)	FD89-1005-24-24
	-32	2 1/8-12	6.16 (156.6)	3.94 (100.0)	FD89-1005-32-32

Connected Dimensions



Coupling Size	Connected Length (L)	
	NPT & BSP	SAE O-Ring
	INCHES (mm)	INCHES (mm)
-04	3.37 (85.5)	
-06-04		3.67 (93.2)
-06-06	4.29 (109.0)	
-08-06	4.59 (116.5)	4.57 (116.2)
-08-08	4.92 (125.0)	
-10-06		4.71 (119.7)
-10-08		5.08 (129.1)
-12-08	5.30 (134.5)	5.44 (138.1)
-12	5.20 (132.0)	5.43 (138.0)
-16	6.06 (154.0)	6.05 (153.7)
-20	6.81 (173.0)	6.80 (172.8)
-24	8.46 (215.0)	8.47 (215.2)
-32	9.51 (241.5)	9.51 (241.6)

Accessories

Female Half Dust Cap	Coupling Size	Part Number				
		A	B	C	D	
	-04	1.26 (32)	1.50 (38)	9.41 (239)	0.79 (20)	FD89-1009-04
	-06	1.42 (36)	1.69 (43)	9.72 (247)	0.98 (25)	FD89-1009-06
	-08-08	1.65 (42)	1.81 (46)	10.10 (256)	0.98 (25)	FD89-1009-08-08
	-12-08	1.65 (42)	1.81 (46)	10.20 (259)	1.18 (30)	FD89-1009-12-08
	-12	1.81 (46)	1.97 (50)	10.43 (265)	1.18 (30)	FD89-1009-12
	-16	2.05 (52)	2.44 (62)	12.50 (318)	1.38 (35)	FD89-1009-16
	-20	2.36 (60)	2.68 (68)	13.20 (335)	1.77 (45)	FD89-1009-20
	-24	3.74 (95)	1.57 (40)	1.97 (50)	2.30 (58.5)	FD89-1009-24
	-32	4.53 (115)	1.57 (40)	1.97 (50)	2.95 (75)	FD89-1009-32
	Aluminum					

Male Half Dust Cap	Coupling Size	Part Number				
		A	B	C	D	
	-04	1.10 (28)	0.91 (23)	9.06 (230)	0.79 (20)	FD89-1008-04
	-06-06	1.26 (32)	1.10 (28)	9.17 (233)	0.79 (20)	FD89-1008-06-06
	-08-06	1.26 (32)	1.10 (28)	9.25 (235)	0.98 (25)	FD89-1008-08-06
	-08-08	1.50 (38)	1.22 (31)	9.76 (248)	0.98 (25)	FD89-1008-08-08
	-12-08	1.50 (38)	1.22 (31)	9.76 (248)	1.18 (30)	FD89-1008-12-08
	-12	1.65 (42)	1.10 (28)	10.10 (256)	1.18 (30)	FD89-1008-12
	-16	1.89 (48)	1.38 (35)	12.20 (310)	1.38 (35)	FD89-1008-16
	-20	2.17 (55)	1.52 (38.5)	12.80 (324)	1.77 (45)	FD89-1008-20
	-24	2.76 (70)	1.57 (40)	1.97 (50)	2.30 (58.5)	FD89-1008-24
	-32	3.35 (85)	2.05 (52)	2.44 (62)	2.95 (75)	FD89-1008-32
Aluminum						

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FD89 FLUSH-FACE COUPLINGS



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Aeroquip

Aeroquip's FD89 Series is specifically designed for those applications where quick and easy connections and no-spill performance are essential. Ideal for use where global interchangeability with other manufacturers is important. The FD89 Series is available in sizes from 1/4" through 2" to best meet your specific size requirements.

Aeroquip's neue Kupplung der Serie FD89 ist speziell für jene Anwendungen geeignet, in denen schnelle und einfache Verbindungen bei minimalem Flüssigkeitsverlust gefordert sind. Sie ist ideal für Fälle, wo eine weltweite Austauschbarkeit mit anderen Herstellern wichtig ist. Die FD89 Serie ist in verschiedenen Größen von 1/4" bis 2" erhältlich.

La nuova serie Aeroquip FD89 è specificamente progettata per tutte le applicazioni dove sono essenziali un rapido e facile collegamento e nessuna perdita. Ideale per impiego dove l'intercambiabilità globale con altri fornitori è un fattore importante. La serie FD89 è a disposizione nei formati da 1/4" a 2" per soddisfare al meglio i requisiti dimensionali specifici del vostro impianto.

La NUEVA serie FD89 de Aeroquip está diseñada específicamente para aplicaciones donde una conexión rápida, fácil, y sin derrames, es esencial. Ideal, porque es intercambiable con modelos de otros fabricantes. La serie FD89 está disponible en tamaños de 1/4" a 2" para cumplir ampliamente con sus requisitos de diferentes medidas.

Le NOUVEAU coupleur série FD89 d'Aeroquip est spécifiquement conçu pour les applications où la rapidité et la facilité des connexions, ainsi que l'absence d'égouttement sont essentielles. Idéal dans les cas où l'interchangeabilité avec d'autres constructeurs est un facteur important. La série FD89 est disponible du 1/4" au 2" pour mieux répondre à toutes vos exigences de dimensions.

Features:	Benefits:
<ul style="list-style-type: none"> Meets dimensional requirements of ISO 16028 (1/4"-1") Push-to-Connect Latching Dual Flush-Face Valving Safety Sleeve Lock 	<ul style="list-style-type: none"> Globally accepted interface Quick and easy connections Easily cleaned; minimal fluid loss and air inclusion Guards against accidental disconnection Globally accepted interface
<ul style="list-style-type: none"> Interchangeable with HTMA Couplings (3/4") 	

Eigenschaften:	Nutzen:
<ul style="list-style-type: none"> Abmessungen erfüllen ISO 16028 (1/4"-1") "Push-to-connect"-Verbindung Beiderseits flachdichtende Ventile Sicherheitsverschluss Austauschbar gegen HTMA-Kupplungen (3/4") 	<ul style="list-style-type: none"> Weltweit gültige Schnittstelle Schnell & einfach Leicht zu reinigen; minimaler Flüssigkeitsverlust und Luft einschluß Verhindert versehentliche Trennung Weltweit akzeptierter Standard

Caratteristiche:	Benefici:
<ul style="list-style-type: none"> Conforme ai requisiti dimensionali della ISO 16028 (1/4"-1") Innesto di tipo "Push-to-Connect" Valvola a doppia faccia piana Bloccaggio di sicurezza a collare Intercambiabile con giunti di accoppiamento HTMA (3/4") 	<ul style="list-style-type: none"> Interfaccia globalmente accettata Rapidi e facili collegamenti Si pulisce facilmente; minima perdita di fluido e inclusione di aria Difesa dalla sconnessione accidentale Interfaccia globalmente accettata

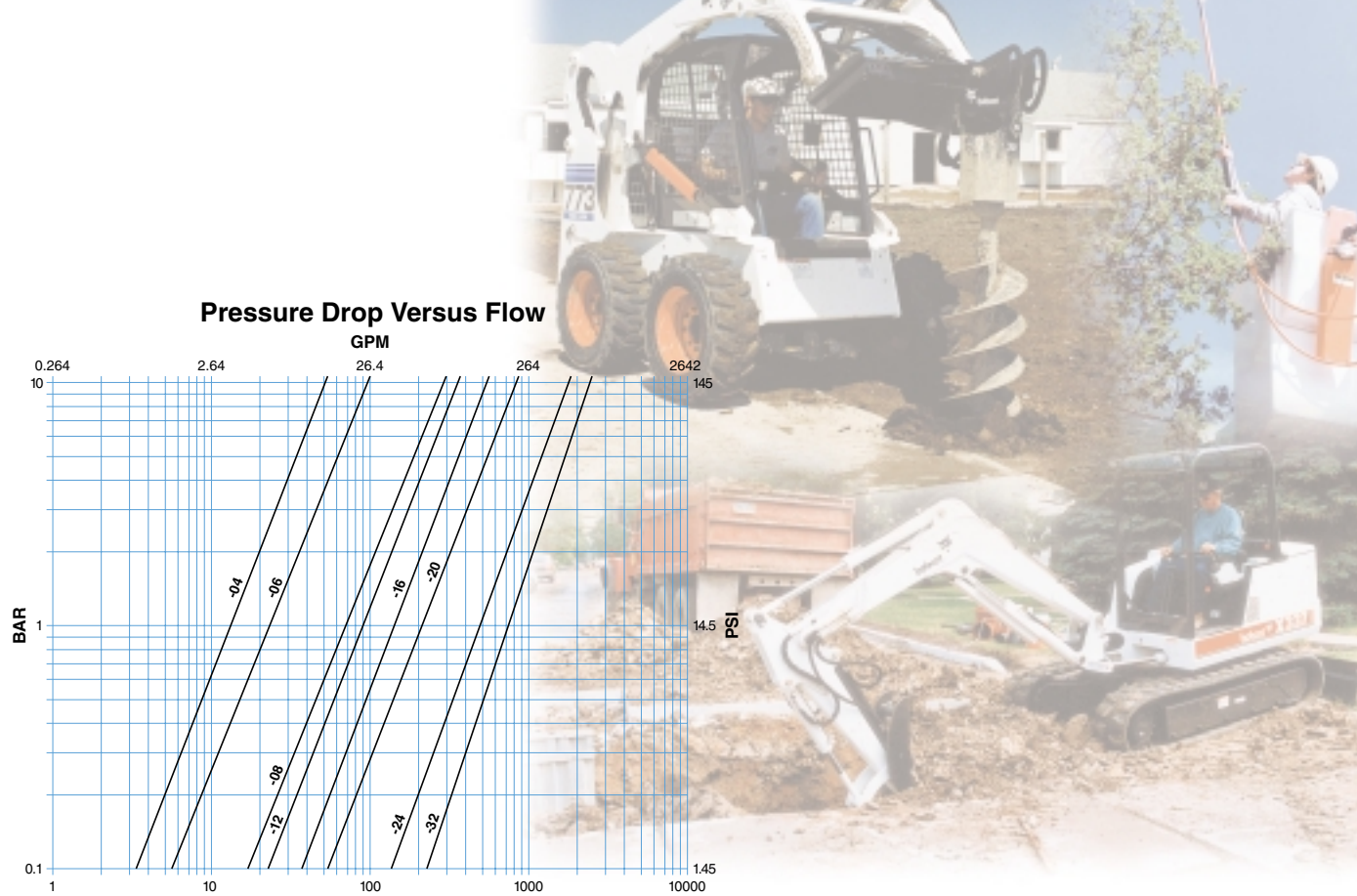
Características:	Ventajas:
<ul style="list-style-type: none"> Cumple requisitos dimensionales de la ISO 16028 (1/4"-1") Sistema "Empuje y Conecte" Doble válvula de cara plana Manga con seguro Intercambiable con acoplamientos HTMA (3/4") 	<ul style="list-style-type: none"> Interface globalmente aceptada Conectar es fácil y rápido Fácil de limpiar. Mínima inclusión de aire y pérdida de fluido Previene la desconexión accidental Interface globalmente aceptada

Caractéristiques:	Avantages:
<ul style="list-style-type: none"> Répond aux exigences dimensionnelles de la norme ISO 16028 (1/4"-1") Obturation par double valve à face plate Bague de sécurité Verrouillage de type "Push-to-Connect" Intercambiabile avec les coupleurs HTMA (3/4") 	<ul style="list-style-type: none"> Interface mondialement reconnue et interchangeable Connexions faciles et rapides Facilité de nettoyage; perte de liquide et inclusion d'air minimale Prévu pour éviter toute déconnexion intempestive Interface mondialement reconnue et interchangeable

Specifications	Spezifikationen	Specifiche	Especificaciones	Características							
ISO Size	Coupling Size	Maximum Operating Pressure Connected	Maximum Operating Pressure Male Half	Maximum Operating Pressure Female Half	Minimum Burst Pressure Connected	Minimum Burst Pressure Male Half	Minimum Burst Pressure Female Half	Rated Flow	Fluid Loss	Air Inclusion	Force To Connect (No Pressure)
		PSI (BAR)	PSI (BAR)	PSI (BAR)	PSI (BAR)	PSI (BAR)	PSI (BAR)	GPM (L/MIN)	CC	CC	LBs (N)
6.3	-04	4,350 (300)	4,350 (300)	1,740 (120)	17,400 (1,200)	17,400 (1,200)	6,960 (480)	3.2 (12)	0.006	0.005	40.2 (179)
10	-06	4,350 (300)	4,350 (300)	1,740 (120)	17,400 (1,200)	17,400 (1,200)	6,960 (480)	6.1 (23)	0.012	0.280	38.9 (173)
12.5	-08	3,625 (250)	3,625 (250)	1,450 (100)	14,500 (1,000)	14,500 (1,000)	5,800 (400)	11.9 (45)	0.020	0.040	40.7 (181)
16	-12	3,625 (250)	3,180 (220)	1,450 (100)	14,500 (1,000)	12,760 (880)	5,800 (400)	19.5 (74)	0.026	0.270	43.8 (196)
19	-16	3,625 (250)	2,900 (200)	1,450 (100)	14,500 (1,000)	11,600 (800)	5,800 (400)	26.4 (100)	0.032	0.040	50.4 (224)
25	-20	3,625 (250)	2,900 (200)	1,450 (100)	14,500 (1,000)	11,600 (800)	5,800 (400)	49.9 (189)	0.010	0.140	68.3 (304)
NA	-24	2,900 (200)	2,320 (160)	1,160 (80)	11,600 (800)	9,280 (640)	4,640 (320)	76.1 (286)	0.050	0.960	96.0 (427)
NA	-32	2,900 (200)	2,320 (160)	1,160 (80)	11,600 (800)	9,280 (640)	4,640 (320)	100.0 (379)	NA	NA	110.0 (488)

Construction	Aufbau	Costruzione	Construcción	Construction
Body: Steel	Körper: Stahl	Corpo: Acciaio	Cuerpo: Acero	Corps: Acier
Seal: Buna-N	Dichtung: Buna-N	Guarnizione: Buna-N	Sello: Buna-N	Joint: Buna-N
Finish: Zinc-plated	Überzug: Zink	Protezione: Zincatura	Acabado: Cinc	Protection: Zinc

Temperature Range	Temperaturbereich	Campo di Impiego	Rango de temperatura	Plage de température
Buna-N: -4°F to +250°F (-20°C to +100°C)	Buna-N: -4°F bis +250°F (-20°C bis +100°C)	Buna-N: -4°F a +250°F (-20°C a +100°C)	Buna-N: -4°F a +250°F (-20°C a +100°C)	Buna-N: -4°F à +250°F (-20°C à +100°C)



FD89 Series

Male Half Female Pipe/Valved	Coupling Size	Thread Size (P)	A		B		Part Number	
			INCHES (mm)	INCHES (mm)	INCHES (mm)	Buna-N		
	-04	1/8-18	1.89 (47.9)	1.10 (28.0)	0.87 (22.0)		FD89-1002-04-04	
	-06	1/8-18	2.36 (60.0)		0.94 (24.0)		FD89-1002-06-06	
	-06	1/4-14	2.46 (62.5)		1.06 (27.0)		FD89-1002-08-06	
	-08	1/4-14	2.68 (68.0)		1.26 (32.0)		FD89-1002-08-08	
	-08	1/4-14	2.78 (70.5)		1.42 (36.0)		FD89-1002-12-08	
	-12	1/2-11 1/2	3.24 (82.3)		1.73 (45.0)		FD89-1002-12-12	
	-16	1/2-11 1/2	3.54 (89.8)		2.17 (55.0)		FD89-1002-20-16	
	-20	1/2-11 1/2	4.37 (111.0)		2.56 (65.0)		FD89-1002-24-20	
	-24	2-11 1/2	4.87 (123.8)		2.95 (75.0)		FD89-1002-32-24	
	-32	2-11 1/2	4.87 (123.8)		2.95 (75.0)		FD89-1002-32-32	

Female Half Female Pipe/Valved	Coupling Size	Thread Size (P)	A		B		Part Number	
			INCHES (mm)	INCHES (mm)	INCHES (mm)	Buna-N		
	-04	1/8-18	1.89 (47.9)	1.10 (28.0)	0.87 (22.0)		FD89-1001-04-04	
	-06	1/8-18	2.53 (64.2)	1.26 (32.0)	1.06 (27.0)		FD89-1001-06-06	
	-06	1/4-14	2.72 (69.2)	1.26 (32.0)	1.06 (27.0)		FD89-1001-08-06	
	-08	1/4-14	2.91 (73.8)	1.50 (38.0)	1.26 (32.0)		FD89-1001-08-08	
	-08	1/4-14	3.18 (80.8)	1.50 (38.0)	1.42 (36.0)		FD89-1001-12-08	
	-12	1/2-11 1/2	3.67 (93.2)	1.89 (48.0)	1.73 (45.0)		FD89-1001-12-12	
	-16	1/2-11 1/2	3.67 (93.2)	1.89 (48.0)	1.73 (45.0)		FD89-1001-16-16	
	-20	1/2-11 1/2	4.17 (106.0)	2.17 (55.0)	2.17 (55.0)		FD89-1001-20-20	
	-24	1/2-11 1/2	5.21 (132.4)	3.15 (80.0)	2.56 (65.0)		FD89-1001-24-24	
	-32	2-11 1/2	6.17 (156.6)	3.94 (100.0)	3.15 (80.0)		FD89-1001-32-32	

Male Half Female BSP/Valved	Coupling Size	Thread Size (P)	A		B		Part Number	
			INCHES (mm)	INCHES (mm)	INCHES (mm)	Buna-N		
	-04	G 1/4	1.89 (47.9)	1.10 (28.0)	0.87 (22.0)		FD89-1007-04-04	
	-06	G 1/4	2.36 (60.0)		0.94 (24.0)		FD89-1007-06-06	
	-06	G 1/2	2.46 (62.5)		1.06 (27.0)		FD89-1007-08-06	
	-08	G 1/2	2.68 (68.0)		1.26 (32.0)		FD89-1007-08-08	
	-08	G 3/4	2.78 (70.5)		1.42 (36.0)		FD89-1007-12-08	
	-12	G 3/4	2.78 (70.5)		1.42 (36.0)		FD89-1007-12-12	
	-16	G 1	3.24 (82.3)		1.73 (45.0)		FD89-1007-16-16	
	-20	G 1 1/4	3.54 (89.8)		2.17 (55.0)		FD89-1007-20-20	
	-24	G 1 1/2	4.37 (111.0)		2.56 (65.0)		FD89-1007-24-24	
	-32	G 2	4.87 (123.8)		2.95 (75.0)		FD89-1007-32-32	

Female Half Female BSP/Valved	Coupling Size	Thread Size (P)	A		B		Part Number	
			INCHES (mm)	INCHES (mm)	INCHES (mm)	Buna-N		
	-04	G 1/4	1.89 (48.1)	1.10 (28.0)	0.87 (22.0)		FD89-1006-04-04	
	-06	G 1/4	2.53 (64.2)	1.26 (32.0)	1.06 (27.0)		FD89-1006-06-06	
	-06	G 1/2	2.72 (69.2)	1.26 (32.0)	1.06 (27.0)		FD89-1006-08-06	
	-08	G 1/2	2.91 (73.8)	1.50 (38.0)	1.26 (32.0)		FD89-1006-08-08	
	-08	G 3/4	3.18 (80.8)	1.50 (38.0)	1.42 (36.0)		FD89-1006-12-08	
	-12	G 3/4	3.09 (78.5)	1.65 (42.0)	1.42 (36.0)		FD89-1006-12-12	
	-16	G 1	3.67 (93.2)	1.89 (48.0)	1.73 (45.0)		FD89-1006-16-16	
	-20	G 1 1/4	4.17 (106.0)	2.17 (55.0)	2.17 (55.0)		FD89-1006-20-20	
	-24	G 1 1/2	5.21 (132.4)	3.15 (80.0)	2.56 (65.0)		FD89-1006-24-24	
	-32	G 2	6.17 (156.6)	3.94 (100.0)	3.15 (80.0)		FD89-1006-32-32	