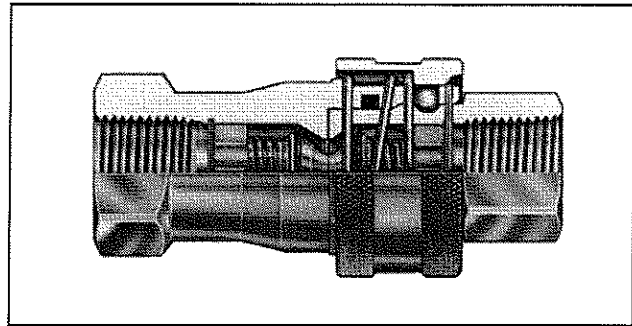
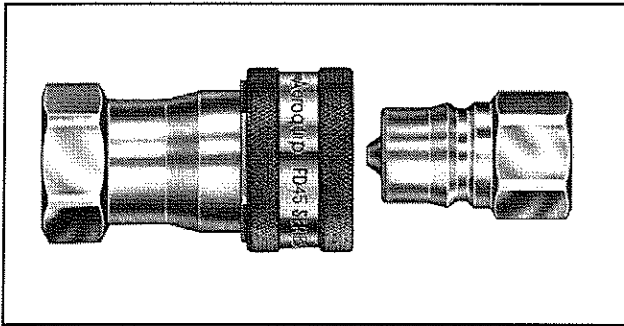
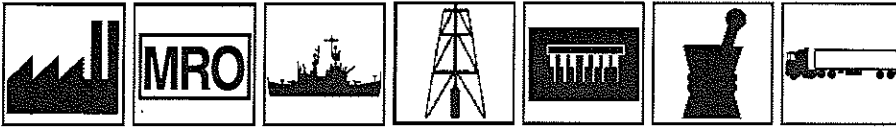




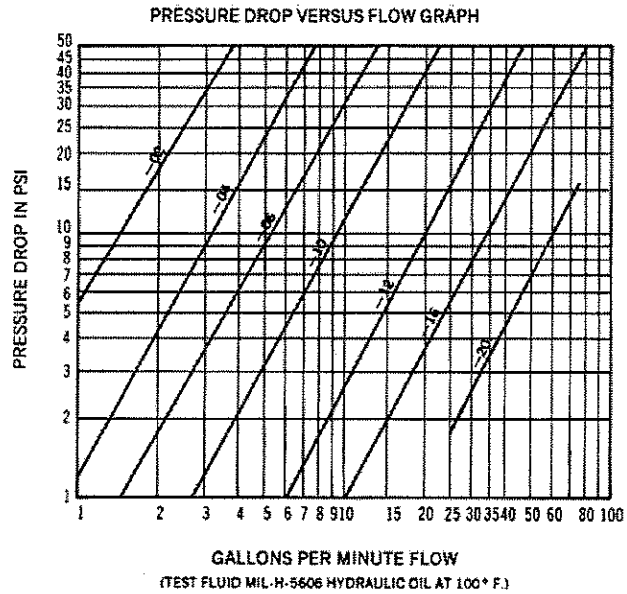
**FD45 Series/Industrial Interchange Series B . . . (Brass)**



The FD45 Series brass industrial interchange coupling offers corrosion resistance where steel couplings are unacceptable. This general purpose coupling uses a *PUSH-PULL™* latch mechanism.

- Dual interface O-Rings in the female half provide redundant sealing while connected.
- Brass construction with stainless steel springs for greater corrosion resistance and fluid compatibility.
- Industrial interchange coupling conforming dimensionally to ISO standard 7241/1 Series B.
- *PUSH-PULL™* ball latch design allows quick and easy connection and disconnection of hose lines.
- Self-sealing poppet valves provide excellent high and low pressure sealing.
- Standard seal material - Buna-N, EPR and Viton.
- Standard body material - Brass with stainless steel springs and balls.

**Flow Data**



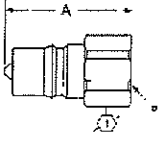
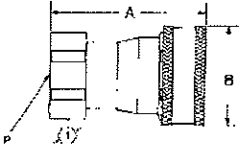
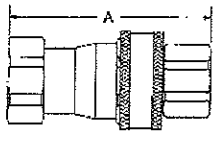
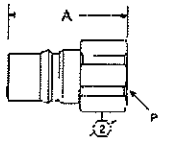
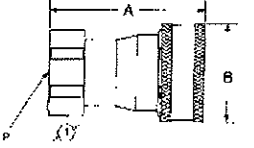
**Physical Characteristics**

Coupling Size	Maximum Operating Pressure (psi)	Minimum Burst Pressure		Vacuum (in./Hg.)	Rated Flow (gpm)	Air Inclusion (cc. max.)	Fluid Loss (cc. max)
		Connected (psi)	Disconnected (psi)				
-02	1,000	11,000	12,000	28	1	.50	.50
-04	1,000	18,000	14,000	28	3	.50	.50
-06	1,000	12,000	9,000	28	6	2.5	1.3
-10	1,000	12,000	6,500	28	12	4.0	2.8
-12	1,000	10,000	10,000	28	28	11.0	8.2
-16	1,000	8,500	11,000	28	50	18.0	16.0
-20	1,000	6,000	6,000	28	75	30.0	45.0

This page is part of a complete catalog which contains technical and safety data that must be reviewed when selecting a product.

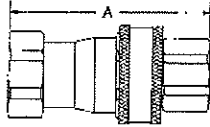
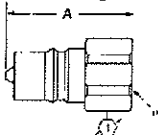
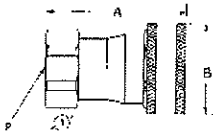


**QUICK DISCONNECT COUPLINGS**



FD45 Brass	Coupling Size	Thread Size (P)	Dimensional Data			Part Number			Line Ref.
			A	B	Ø	Buna-N	Viton	EPR	
<b>Male Half Female Pipe/Valved</b> 	-02	1/8-27	1.28		.56	FD45-1086-02-02	FD45-1092-02-02	FD45-1153-02-02	1
	-04	1/4-18	1.50		.69	FD45-1086-04-04	FD45-1092-04-04	FD45-1153-04-04	2
	-06	3/8-18	1.66		.88	FD45-1086-06-06	FD45-1092-06-06	FD45-1153-06-06	3
	-10	1/2-14	1.93		1.06	FD45-1086-08-10	FD45-1092-08-10	FD45-1153-08-10	4
	-12	3/4-14	2.26		1.31	FD45-1086-12-12	FD45-1092-12-12	FD45-1153-12-12	5
	-16	1-11 1/2	2.72		1.62	FD45-1086-16-16	FD45-1092-16-16	FD45-1153-16-16	6
	-20	1 1/4-11 1/2	4.25		2.38	FD45-1086-20-20	FD45-1092-20-20	FD45-1153-20-20	7
	Art is not representative of -20 size.								
<b>Female Half Female Pipe/Valved</b> 	-02	1/8-27	1.81	.96	.75	FD45-1101-02-02	FD45-1091-02-02	FD45-1156-02-02	9
	-04	1/4-18	2.22	1.13	.81	FD45-1101-04-04	FD45-1091-04-04	FD45-1156-04-04	10
	-06	3/8-18	2.45	1.38	1.06	FD45-1101-06-06	FD45-1091-06-06	FD45-1156-06-06	11
	-10	1/2-14	2.86	1.69	1.31	FD45-1101-08-10	FD45-1091-08-10	FD45-1156-08-10	12
	-12	3/4-14	3.40	2.01	1.62	FD45-1101-12-12	FD45-1091-12-12	FD45-1156-12-12	13
	-16	1-11 1/2	4.02	2.38	1.94	FD45-1101-16-16	FD45-1091-16-16	FD45-1156-16-16	14
	-20	1 1/4-11 1/2	4.49	2.62	2.38	FD45-1101-20-20	FD45-1091-20-20	FD45-1156-20-20	15
	Art is not representative of -20 size.								
<b>Complete Coupling Female Pipe/Valved</b> 	-02	1/8-27	2.31			FD45-1100-02-02	FD45-1090-02-02	FD45-1157-02-02	17
	-04	1/4-18	2.74			FD45-1100-04-04	FD45-1090-04-04	FD45-1157-04-04	18
	-06	3/8-18	3.04			FD45-1100-06-06	FD45-1090-06-06	FD45-1157-06-06	19
	-10	1/2-14	3.54			FD45-1100-08-10	FD45-1090-08-10	FD45-1157-08-10	20
	-12	3/4-14	4.02			FD45-1100-12-12	FD45-1090-12-12	FD45-1157-12-12	21
	-16	1-11 1/2	4.88			FD45-1100-16-16	FD45-1090-16-16	FD45-1157-16-16	22
	-20	1 1/4-11 1/2	6.80			FD45-1100-20-20	FD45-1090-20-20	FD45-1157-20-20	23
	Art is not representative of -20 size.								
<b>Male Half Female Pipe/Non-Valved</b>  <small>Will not operate with valved coupling halves. No valve actuator.</small>	-02	1/8-27	1.20		.56	FD45-1175-02-02	FD45-1175-02-02	FD45-1175-02-02	25
	-04	1/4-18	1.37		.69	FD45-1175-04-04	FD45-1175-04-04	FD45-1175-04-04	26
	-06	3/8-18	1.50		.88	FD45-1175-06-06	FD45-1175-06-06	FD45-1175-06-06	27
	-10	1/2-14	1.76		1.06	FD45-1175-08-10	FD45-1175-08-10	FD45-1175-08-10	28
	-12	3/4-14	2.00		1.31	FD45-1175-12-12	FD45-1175-12-12	FD45-1175-12-12	29
	-16	1-11 1/2	2.43		1.62	FD45-1175-16-16	FD45-1175-16-16	FD45-1175-16-16	30
	-20	1 1/4-11 1/2	4.25		2.38	FD45-1175-20-20	FD45-1399-20-20	FD45-1400-20-20	31
	Art is not representative of -20 size.								
<b>Female Half Female Pipe/Non-Valved</b>  <small>Will not operate with valved coupling halves. No valve actuator.</small>	-02	1/8-27	1.81	.96	.75	FD45-1176-02-02	FD45-1180-02-02	FD45-1178-02-02	33
	-04	1/4-18	2.22	1.13	.81	FD45-1176-04-04	FD45-1180-04-04	FD45-1178-04-04	34
	-06	3/8-18	2.45	1.38	1.06	FD45-1176-06-06	FD45-1180-06-06	FD45-1178-06-06	35
	-10	1/2-14	2.86	1.69	1.31	FD45-1176-08-10	FD45-1180-08-10	FD45-1178-08-10	36
	-12	3/4-14	3.40	2.01	1.62	FD45-1176-12-12	FD45-1180-12-12	FD45-1178-12-12	37
	-16	1-11 1/2	4.02	2.38	1.94	FD45-1176-16-16	FD45-1180-16-16	FD45-1178-16-16	38
	-20	1 1/4-11 1/2	4.49	2.62	2.38	FD45-1176-20-20	FD45-1180-20-20	FD45-1178-20-20	39
	Art is not representative of -20 size.								
<b>Repair Kit</b>									41
<small>Each kit will repair one male or female half.</small>									
	-02					FF016-02†	FF017-02†	FF018-02†	42
	-04					FF016-04	FF017-04	FF018-04	43
	-06					FF016-06	FF017-06	FF018-06	44
	-10					FF016-10	FF017-10	FF018-10	45
	-12					FF016-12	FF017-12	FF018-12	46
	-16					FF016-16	FF017-16	FF018-16	47
	-20					FF016-20	FF017-20	FF018-20	48

†The -02 coupling size valving is not repairable. This size repair kit contains an interface seal and back-up ring.



FD45 Brass	Coupling Size	Thread Size (P)	Dimensional Data			Part Number			Line Ref.	
			A	B	(1)	Buna-N	Viton	EPR		
<b>Complete Coupling Female Pipe/Non-Valved</b> 	-02	1/8-27	2.31			FD45-1174-02-02	FD45-1179-02-02	FD45-1177-02-02	1	
	-04	1/4-18	2.74			FD45-1174-04-04	FD45-1179-04-04	FD45-1177-04-04	2	
	-06	3/8-18	3.04			FD45-1174-06-06	FD45-1179-06-06	FD45-1177-06-06	3	
	-10	1/2-14	3.54			FD45-1174-08-10	FD45-1179-08-10	FD45-1177-08-10	4	
	-12	3/4-14	4.02			FD45-1174-12-12	FD45-1179-12-12	FD45-1177-12-12	5	
	-16	1-11 1/2	4.88			FD45-1174-16-16	FD45-1179-16-16	FD45-1177-16-16	6	
	-20	1 1/4-11 1/2	6.80			FD45-1174-20-20	FD45-1179-20-20	FD45-1177-20-20	7	
	Art is not representative of -20 size.									8
<b>Male Half Female Pipe/Pusher Style Valving</b>  <p>Incorporates a pusher device to open mating valved coupling halves.</p>	-04	1/4-18	1.50		.75	FD45-1201-04-04	FD45-1201-04-04	FD45-1201-04-04	10	
	-06	3/8-18	1.66		.88	FD45-1201-06-06	FD45-1201-06-06	FD45-1201-06-06	11	
	-10	1/2-14	1.93		1.06	FD45-1201-08-10	FD45-1201-08-10	FD45-1201-08-10	12	
	-12	3/4-14	2.26		1.31	FD45-1201-12-12	FD45-1201-12-12	FD45-1201-12-12	13	
	-16	1-11 1/2	2.72		1.62	FD45-1201-16-16	FD45-1201-16-16	FD45-1201-16-16	14	
										15
										16
<b>Female Half Female Pipe/Pusher Style Valving</b>  <p>Incorporates a pusher device to open mating valved coupling halves.</p>	-04	1/4-18	2.22	1.13	.88	FD45-1203-04-04	FD45-1199-04-04	FD45-1211-04-04	18	
	-06	3/8-18	2.45	1.38	1.06	FD45-1203-06-06	FD45-1199-06-06	FD45-1211-06-06	19	
	-10	1/2-14	2.86	1.69	1.31	FD45-1203-08-10	FD45-1199-08-10	FD45-1211-08-10	20	
	-12	3/4-14	3.40	2.01	1.62	FD45-1203-12-12	FD45-1199-12-12	FD45-1211-12-12	21	
	-16	1-11 1/2	4.02	2.38	1.94	FD45-1203-16-16	FD45-1199-16-16	FD45-1211-16-16	22	
										23
									24	
<b>Repair Kit</b> Each kit will repair one male or female half.  †The -02 coupling size valving is not repairable. This size repair kit contains an interface seal and back-up ring.	-02					FF016-02†	FF017-02†	FF018-02†	26	
	-04					FF016-04	FF017-04	FF018-04	27	
	-06					FF016-06	FF017-06	FF018-06	28	
	-10					FF016-10	FF017-10	FF018-10	29	
	-12					FF016-12	FF017-12	FF018-12	30	
	-16					FF016-16	FF017-16	FF018-16	31	
	-20					FF016-20	FF017-20	FF018-20	32	
									33	
<b>Accessories</b> <b>Dust Cap</b> 	-02						FD45-1040-02		34	
	-04						FD45-1040-04		35	
	-06						FD45-1040-06		36	
	-10						FD45-1040-10		37	
	-12						FD45-1040-12		38	
	-16						FD45-1040-16		39	
									40	
<b>Dust Plug</b> 	-02						FD45-1041-02		41	
	-04						FD45-1041-04		42	
	-06						FD45-1041-06		43	
	-10						FD45-1041-10		44	
	-12						FD45-1041-12		45	
	-16						FD45-1041-16		46	
									47	