

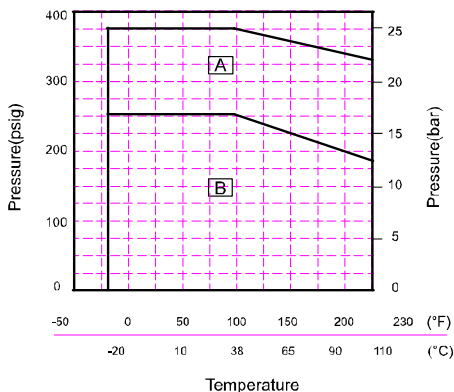
ARMgrip™ Flange Adapter Kits – ANSI 125 / ANSI 250

SUBMITTAL

JOB: _____	REPRESENTATIVE: _____
ENGINEER: _____	ORDER NO: _____ DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____ DATE: _____
	APPROVED BY: _____ DATE: _____

MODEL	SIZE	ANSI RATING		TEMPERATURE RATING		QUANTITY	IDENTIFICATION
FA2.5	2-1/2"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA3	3"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA4	4"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA5	5"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA6	6"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA8	8"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA10	10"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		
FA12	12"	<input type="checkbox"/> 125	<input type="checkbox"/> 250	<input type="checkbox"/> Std	<input type="checkbox"/> Hi Temp		

PRESSURE/TEMPERATURE



LEGEND:

- A CBV-G alone or with PN-25 flange adapter.
- B CBV-G with PN-16 flange adapter.

APPLICATION:

ARMgrip™ Flange Adapter Kits quickly convert industry standard grooved pipe connections to flanged connections, as required to suit application requirements. Armstrong grooved products (such as CBV-G, AFO-G, FTV-G and SSG) include special tabs that engage the flange adapter to prevent rotation during installation, just like a fixed flange. While grooved connection components may provide the greatest initial and installed cost economy, optional ARMgrip™ flange adapters enable the widest range of on-site application versatility, while reducing spare parts costs and inventory.

TECHNICAL DATA

Flange	Ductile Iron ASTM A536 GR 65-45-12	
Connection	Industry standard grooves	
Gasket	Std Temp: EPDM	Hi Temp: Viton® or equal

® Viton is a registered trademark of DuPont Performance Elastomers.



Flange Adapter Gasket



Armstrong Ductile Iron Flange Adapter

ARMGRIP™ FLANGE ADAPTERS*

Model	Pipe O.D.	Flange			Bolt Holes			Weight Lb (kg)
		Rating	O.D.	Thickness	B.C.D	Hole Size	Number	
FA 2.5	73 (2.9)	ANSI 125**	7.25 (184.2)	0.88 (22.2)	5.72/5.50 (146/140)****	0.75 (19)	4 Slots	7 (3)
		ANSI 250	7.50 (190.5)	1.0 (25.4)	5.88 (149)	0.88 (22)	8	7 (3)
FA 3	89 (3.5)	ANSI 125	7.50 (190.5)	0.88 (22.2)	6.0 (152)	0.75 (19)	4	8 (4)
		ANSI 250	8.25 (209.6)	1.125 (28.6)	6.62 (168)	0.88 (22)	8	8 (4)
FA 4	114 (4.5)	ANSI 125***	9.0 (228.6)	0.94 (23.9)	7.50/7.10 (191/180)****	0.75 (19)	8 Slots	9 (4)
		ANSI 250	10.0 (254)	1.25 (31.8)	7.88 (200)	0.88 (22)	8	20 (9)
FA 5	142 (5.6)	ANSI 125***	10.0 (254)	0.94 (23.8)	8.50 (216)	0.88 (22)	8	11 (5)
		ANSI 250	11.0 (279.4)	1.375 (34.92)	9.26 (235)	0.88 (22)	8	22 (10)
FA 6	168 (6.6)	ANSI 125	11.0 (279.4)	1.0 (25.4)	9.50 (241)	0.88 (22)	8	13 (6)
		ANSI 250	12.5 (317.5)	1.438 (36.5)	10.62 (270)	0.88 (22)	12	24 (11)
FA 8	219 (8.6)	ANSI 125	13.5 (342.9)	1.125 (28.6)	11.74 (298)	0.88 (22)	8	18 (8)
		ANSI 250	15.0 (381)	1.63 (41.3)	13.0 (330)	1.0 (25)	12	36 (16)
FA 10	273 (10.8)	ANSI 125	16.0 (406.4)	1.188 (30.2)	14.24 (361)	1.0 (25)	12	24 (11)
		ANSI 250	17.5 (444.5)	1.875 (47.62)	15.25 (387)	1.12 (29)	16	51 (23)
FA 12	324 (12.8)	ANSI 125	19.0 (482.6)	1.25 (31.75)	17.0 (432)	1.0 (25)	12	51 (23)
		ANSI 250	20.5 (520.7)	2.0 (50.8)	17.74 (451)	1.25 (32)	16	75 (34)

Note : * Dimensions in inches (mm)
 ** Also fits PN16 and PN25
 *** Also fits PN16
 **** Bolt holes are elongated



Groove Specifications:

Armstrong component grooves comply with the following pipe standards for cut groove connections:

- ANSI B36.10
- BS1387 (ISO65)
- DIN2440 & 2448 (ISO4200)
- JIS G3452

Some pipe standards have more than one O.D. per nominal pipe size. Always specify pipe O.D. to match component grooves connections.

ARMSTRONG CUT GROOVE CONNECTIONS*								
Nominal Size	Pipe O.D.	O.D. Tolerance		Gasket Seat	Groove Width	Groove Diameter		Groove Depth
		+	-	+/-0.03 (+/- 0.76)	+/-0.03 (+/- 0.76)	Dim	Tolerance	
2.5 (65)	2.9 (73.05)	0.01 (0.13)	0.01 (0.13)	0.6 (15.88)	0.3 (7.92)	2.7 (68.83)	+/-0.005 (0.127)	0.08 (2.11)
3 (80)	3.5 (88.9)	0.01 (0.25)	0.01 (0.25)	0.6 (15.88)	0.3 (7.92)	3.3 (84.68)	+/-0.010 (0.254)	0.08 (2.11)
4 (100)	4.5 (114.7)	0.01 (0.25)	0.01 (0.25)	0.6 (15.88)	0.4 (9.52)	4.3 (110.1)	+/-0.010 (0.254)	0.09 (2.3)
5 (125)	5.8 (141.6)	0.01 (0.13)	0.01 (0.13)	0.6 (15.88)	0.4 (9.52)	5.4 (136.8)	+/-0.005 (0.127)	0.10 (2.41)
6 (150)	6.6 (168.3)	0.01 (0.25)	0.01 (0.25)	0.6 (15.88)	0.4 (9.52)	6.4 (163.7)	+/-0.010 (0.254)	0.09 (2.29)
8 (200)	8.6 (219.1)	0.03 (0.79)	0.03 (0.79)	0.8 (19.05)	0.4 (11.18)	8.4 (214.4)	-0.64 (0.02)	0.09 (2.34)
10 (250)	10.8 (273.1)	0.06 (1.60)	0.03 (0.79)	0.8 (19.05)	0.5 (12.70)	10.6 (268.3)	-0.69 (0.03)	0.09 (2.39)
12 (300)	12.8 (323.9)	0.09 (2.36)	0.03 (0.79)	0.8 (19.05)	0.5 (12.70)	12.5 (318.3)	-0.76 (0.03)	0.11 (2.78)

* Dimensions are in inch (mm)

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