APPLICATIONS: CONFIGURATIONS: • FD Fans • Belt/Flanged • Booster Fan Inlets/Outlets Spool Type • Wet/Dry Scrubbers Fully Molded • Hot Air Ducting Bellows Precipitators Refractory Lined • Primary Air **MATERIALS:** Secondary Air SCR Inlets Hi-Temp Composites Econ Outlets Elastomeric Gas Turbine Outlets Fluoroplastic HRSG Inlets Baghouses • Sofa • Dogbone/Condenser



an **LGG INDUSTRIAL** company

Expansion Joint Products & Services

Ph. 800-331-6643

E-Mail: ejsales@branhamcorp.com

BRANHAM INDUSTRIAL

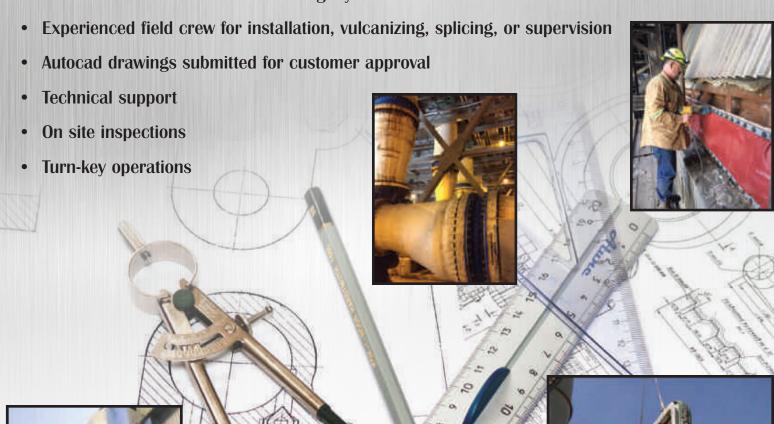
an **LGG INDUSTRIAL** company

As an industry leader since 1973, Branham's commitment to customer satisfaction is unsurpassed.

Our experienced Sales, Engineering, & Service teams allow us to provide our customers with the most cost effective, highest performing products available on the market today. In addition to this, we can offer the following:



- A wide variety of maintenance free flue duct expansion joints to meet your specific application
- · Metal frame assemblies to fit existing layouts or custom built to order



ELASTOMERIC EXPANSION JOINTS

Branham Part #	Material Composition with Reinforcement	Max. Continuous Temperature	Service
BRAN-EA-300	EPDM / ARAMID	300°F	Wet/Dry
BRAN-CA-300	CHLOROBUTYL / ARAMID	300°F	Wet/Dry
BRAN-FA-400	FKM/ARAMID	400°F	Wet/Dry
BRAN-FAF-400	FKM/ARAMID/FEP	400°F	Wet/Dry
BRAN-FAW-400	FKM/ARAMID/WIRE	400°F	Wet/Dry
BRAN-FAWF-400	FKM/ARAMID/WIRE/FEP	400°F	Wet/Dry

FLUOROPLASTIC EXPANSION JOINTS

700°F

1200°F

Wet/Dry

Dry

PERFLUOROPLASTIC

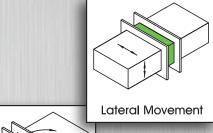
COMPOSITE /FKM

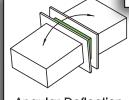
BRAN-P-600

BRAN-CF-1200

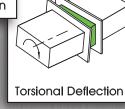
	COMPOSITE EXPANSI	ON JOINTS	
BRAN-CP-800	COMPOSITE /PTFE	750°F	Dry
BRAN-CF-800	COMPOSITE /FKM	750°F	Dry
BRAN-CP-1000	COMPOSITE /PTFE	1000°F	Dry
BRAN-CF-1000	COMPOSITE /FKM	1000°F	Dry
BRAN-CP-1200	COMPOSITE /PTFE	1200°F	Dry

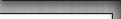






Angular Deflection









Axial Compression/Extension

	QTY.	DESCRIPTION	MATL.	DESIGNATION	PRESS. INC	HES W.G.	EXCURS, 1	EMP-000 F					
6	1	SHIPPING BRACES (LOT)	A-307	3/8" x 2"	+5	-5	OPERAT. TI	MP1200 F	NO				
5	1	FASTENERS (SET)/FT	A-307	1/2 × 2 1/2	AXIAL MOV	EMENT	LATERAL IV	OVEMENT			NCHED & CL L PARTS TO B		
4	1	B/U BARS (SET)	A-36	3/8 × 2*	COMP.	EXT.	χ.	γ.			PPED FULLY A		
3	1	ANGLE FRAMES (SET)	A-588	1/4*	3.	1.	1*	1.	4.	SHIPPING	BRACES TO	BE PAINTED VELLOW.	
2	1	PILLOW (TABBED)	CER/FG	o THK					5.	(8)-SHIPI	ING BRACES	PER ASSEMBLY.	
1	1	FLEX ELEMENT	COMP	CO-12-FUSP					EXISTING	_			
		POUCT P 1077 FRAME OD	DATE	OPPOLARC	(84)-	5/8* DIA. 6* x 1 1/2* J BARS	HOLES E.S. II SLOTS IN FL	H FRAMES X ELEMENT					
81			_	_			_						
81			All I		e: Round Expo	inskon Jol	nt & Firomes	207 Eller Ave Louisville, Ky. 4 Ph. (800) 331-	0214	ile: NO	NE.	Dwg.#0215-103	
_ n	R		100	NG DISI									
C			A		stomer:					Т			
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ELASTOMERIC MOVEMENTS

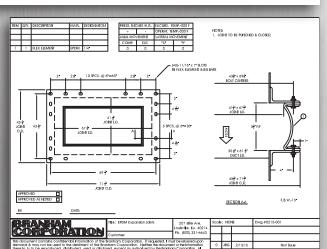
Active Length	Axial Compression	Axial Extension	Lateral Movement		
6"	2"	1/2"	+1"/-1"		
9"	3"	1/2"	+1 1/2"/-1 1/2"		
12"	4"	1"	+2"/-2"		
16"	5"	1"	+2 1/2"/-2 1/2"		

FLOUROPLASTIC MOVEMENTS

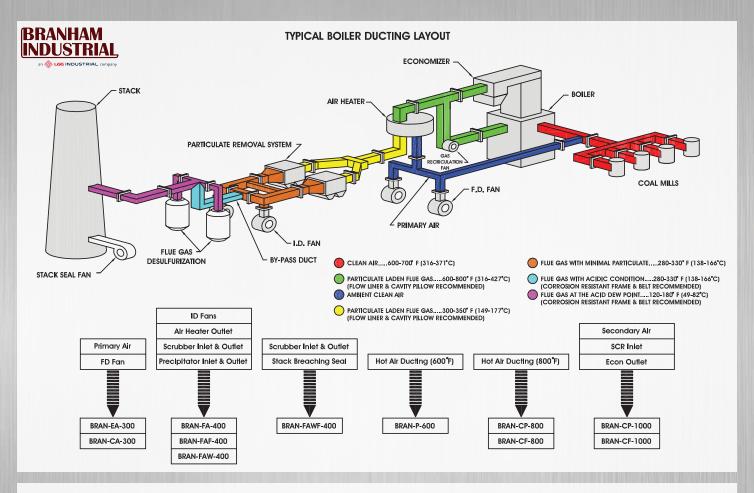
Active Length	Axial Compression	Axial Extension	Lateral Movement
6"	2"	1/2"	+1"/-1"
9"	3"	1/2"	+1 1/2"/-1 1/2"
12"	4"	1"	+2"/-2"
16"	5"	1"	+2 1/2"/-2 1/2"

COMPOSITE MOVEMENTS

Active Length	Axial Compression	Axial Extension	Lateral Movement
6"	1"	1/2"	+1/2"/-1/2"
9"	2"	1/2"	+1"/-1"
12"	3"	1"	+1 1/2"/-1 1/2"
16"	4"	1"	+2"/-2"





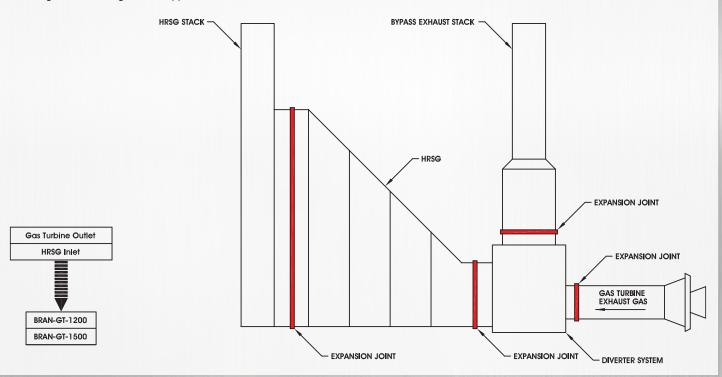


GAS TURBINE / HEAT RECOVERY STEAM GENERATION

Branham Expansion Joints for Extreme High Temperature Applications

- Specifically designed for gas turbine applications where temperatures are above 1000°F and heavy cycling, radial growth, and large movement is expected
- $\ \square$ Branham GT joints are designed to provide long life, easy installation, low external temperature and reduce noise
- ☐ Branham GT joints are found on GT exhausts, HRSG inlets and other high temperature applications
- □ Designed for ducting and fan applications

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