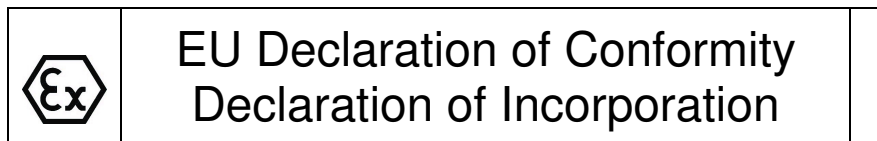


# Technical Construction File

Altra Doc No:  
E2011-9



**MANUFACTURER:** TB Wood's Incorporated  
440 North Fifth Avenue  
Chambersburg, PA 17201-1778  
888-829-6637  
www.tbwoods.com

**PRODUCT DESCRIPTION:** **Dura-Flex® Elastomeric Coupling**

**PART NUMBERS:** WE, WES, WE-M, WES-M

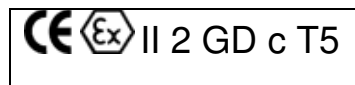
**APPLICABLE EUROPEAN DIRECTIVES:**

Machinery: 06/42/EC  
ATEX: 14/34/EU

**APPLICABLE INTERNATIONAL STANDARDS:**

Machinery: EN 12100:2010  
ATEX: EN 1127-1:2011, EN 13463-1:2009, EN 13463-5

The above part numbers are suitable for use with equipment that meets the Group II Category 2 requirements and are in accordance with the following explosion protection class:



ATEX Retention Certificate held by:  
DNV Nemko Presafe AS,  
Gaustadalleen 30, 0373 Oslo, Norway

Authorized Signature:

Date: April 20, 2016



Timothy C Hewitt

Principal Engineer – Elastomeric Couplings

The equipment described in this Declaration of Incorporation to the Machinery Directive complies with the relevant sections of the Applicable International Standards. Integration instructions are provided that contain requirements and specifications that must be implemented prior to putting this equipment into service; this equipment must not be put into service before the machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive.

The product described in this EU Declaration of Conformity complies with the ATEX Directive and relevant sections of the Applicable International Standards. Integration instructions are provided that contain requirements and specifications that must be implemented prior to putting this equipment into service. The signature on this document authorizes the distinctive ATEX marking to be applied to this equipment

All EHSR's related to this equipment have been addressed; a Technical Construction File is available for inspection by designated bodies.



Important safety information is contained in the installation, operation and service manuals; read and understand this information prior to installing or using this equipment

Dura-Flex® FLEX ELEMENT RATINGS						
SIZE	TYPE	Dura-Flex® FLEX ELEMENT MATERIAL	RATED TORQUE		AMBIENT TEMPERATURE LIMITS (1):	ATEX SURFACE TEMPERATURE RATING (1):
			Nm	(in-lbf)		
2	WE, WES, WEM, WESM	URETHANE	21.47	190	-40 TO 93 C (-40 TO 200 F)	100 C / T5
3			41.24	365		
4			62.14	550		
5			104.5	925		
10			163.8	1450		
20			259.9	2300		
30			412.4	3650		
40			621.4	5500		
50			864.3	7650		
60			1412	12500		
70			2500	22125		
80			4463	39500		

(1) For applications involving vibratory torque or reversing load conditions, consult factory for max temp limits

**INTEGRATION INSTRUCTIONS:** These instructions are provided as a supplement to the standard Installation Instructions provided with the Dura-Flex® product for ATEX certified product for use in certain explosive atmospheres. All aspects of the standard Installation Instructions not specifically covered here are to be adhered to. The Dura-Flex® flex elements installed must be rated for the conditions of the application. All electrically conducting parts that are connected to the coupling must be grounded. Applications with vibratory torque conditions require a de-rated temperature class, (consult TB Wood's).

**Guards:** Guards are required for use on couplings in an explosive environment as defined by the ATEX Directive. The guard must be of a Corrosion resistant construction, of a metallic material other than Aluminum or any light metal, and must be electrically grounded. If a ferrous material is used, then it must have sufficient coating/plating to resist corrosion.

**Alignment:** The coupling alignment must be within the misalignment limits for the Dura-Flex® flex element material per the standard Installation and Maintenance Instructions included with the product.

**Fastener and Set Screw Tightening Torques:** All fasteners must be tightened per the standard Installation and Maintenance Instructions included with the product.