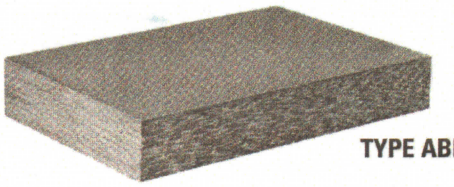
REINFORCED BEARINGS

PREFORMED FABRIC REINFORCED ELASTOMERIC

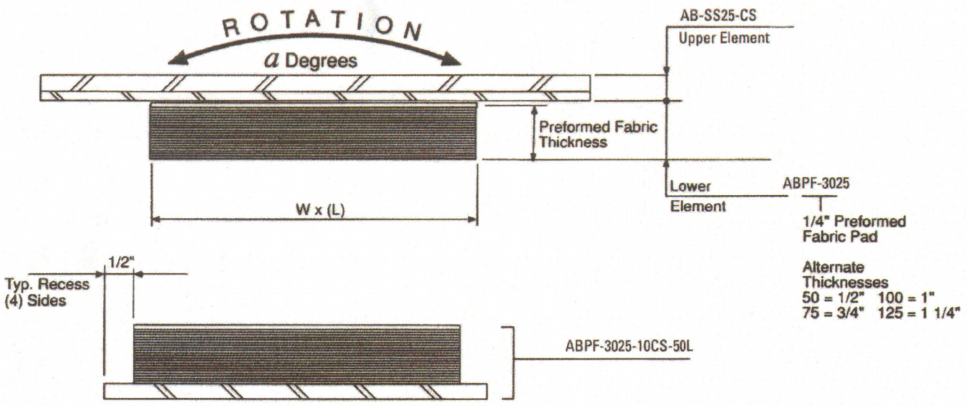
TYPE ABPF

Physical Properties
Durometer: 90 ± 5 (Shore A)
Compressive Strength: 18,000 psi max.
Maximum Design Pressure: 1500 psi
AASHTO Grade



TYPE ABPF – Preformed Fabric Pad

PREFORMED FABRIC REINFORCED ELASTOMERIC BACKED SLIDE BEARINGS



Technical Section: The following formula has proven successful in calculating the thickness of the preformed fabric pad to accept a given rotation.

This formula allows for the internal stresses built up in the pad upon rotation.

$$\text{Thickness Required} = \frac{W \times \tan a}{\text{"C"}}$$

W = width of pad in rotation direction (see diagram)

Uniform Pressure on Pad (PSI)	800	1000	1200	1500
Coefficient "C"	.08	.072	.055	.0375
Maximum recommended rotation in radians (tan *a*)	.02	.017	.014	.010

Guide Specification: The AMSCOT bearing guide specification for Type AB-AS12-CS can be utilized as a guide for PTFE preformed fabric pad-backed bearings.

The preformed fabric pad shall comply with the AASHTO specification DIV. II SECT. 18 PARA 10.2. "The preformed fabric pads shall be composed of multiple layers of 8 oz. cotton duck impregnated and bound with high-quality natural rubber or of equivalent and equally suitable materials compressed into resilient pads of uniform thickness. The number of plies shall be such as to produce the specified thickness, after compression and vulcanizing. The finished pads shall withstand compression loads perpendicular to the plane of the laminations of not less than 10,000 pounds per square inch without detrimental reduction in thickness or extrusion." The pad also shall comply with MIL-C-882E Military Specification and P.C.I. Prestressed Concrete Design Manual.

TYPE ABRR

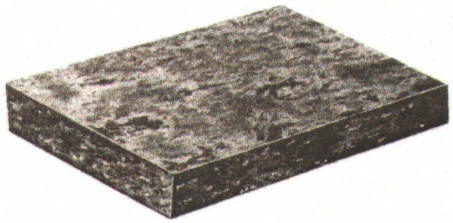
RANDOM FIBER REINFORCED

Physical Properties
Durometer: 80 ± 10 (Shore A)
Compressive Strength: 8,000 psi min.
Maximum Design Pressure: 1000 psi

These materials will substitute for neoprene in areas where vibration or heavier loads are present. The random fiber material is well-suited to concrete construction as a cost-saving alternative to neoprene or preformed fabric pads. These materials may be provided with holes, slots or surfaced with Teflon® (PTFE).

*AMSCOT Type ABRR may also be used in conjunction with a type AB-AS12-CS assembly. Please consult the AMSCOT engineering department.

TYPE ABRR – Random Fiber Reinforced



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