



ABRASION/MECHANICAL

Expando® B200

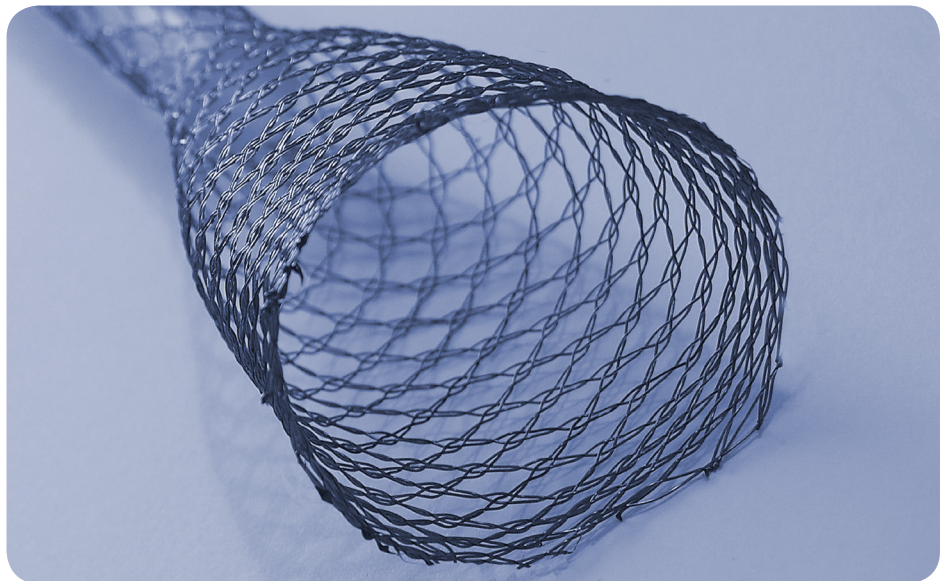
Product Highlights

- Operating temperature from -55°C to +200°C (-67°F to +392°F)
- Low toxicity, smoke generation and off-gassing
- Highly expandable design for bundling of wire harnesses over short and long lengths
- Stable construction once expanded
- Time reduction over standard tying methods
- Low profile solution
- Allows visualization of color coding of cables underneath
- Does not trap heat or humidity
- Rot-free



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

EXPB200_11072014



Expando® B200 is a highly expandable sleeve designed for bundling of wire harnesses. Rated to +200°C (+392°F), Expando® B200 meets FAR25 flame requirements.

The design of Expando B200 allows the product to remain stable once expanded and its outstanding expansion range allows it to cover wire harness definitions from 5 to 55 mm with only 3 sizes. A special tool has been designed in 2 choices of lengths to speed-up installation over small and long lengths.

The inherent properties of the raw materials used give Expando B200 low levels of flammability, toxicity and smoke generation. Because of its high operating temperature, Expando B200 resists damage from high temperature air guns used with heat-shrinkable elements such as strain reliefs, terminations and indication sleeves.

Expando B200 is used in the aerospace industry for its outstanding properties in extreme environments and its quick installation compared to standard tying methods. Expando B200 should be considered for aircraft and space environments.

BentleyHarris®
Protection Products

Performance Data – Expando® B200

Property	Test Method	Result
PHYSICAL		
Operating temperature range		-55°C to +200°C (-67°F to +392°F)
Flammability/Smoke Density/Toxicity	F.A.R Part 25 & ABD0031	Pass
MECHANICAL		
Vibration	EN6059-406	No damage to cables
CHEMICAL		
Hydrolysis	EN2591-515	Method B Pass
Sun-light exposure	EN6059-301	Pass
Fluid Resistance	EN6059-305	No visible degradation Maintains >50% of initial tensile strength
Jet Fuel JP5 (NATO F44)		
Hydraulic Fluid Skydrol 500 B4, Skydrol LD4 (AS1241 C)		
Mineral Lubricant MIL-PRF-7870C (NATO 0-142)		
Synthetic Lubricant MIL-PRF-23699F (NATO 0-156)		
Cleaning Products (MIL PRF-87937C typ 1, 25% Propanol + 75% White Spirit, Azeotropic R113 AZM (R113 + methanol)		
De-Ice Fluid MIL-A-8243D (NATO S742)		
Mould Growth	EN6059-306	Pass

Product Specifications

Longitudinal shrinkage should be taken into account when utilizing expansion properties of the sleeve

Commercial Part Number	Recommended Application Range		Maximum Opening Diameter (mm)	Maximum Weight g/m (lb/ft)	Standard Packaging m (ft)
	Min Ø	Max Ø			
Expando B200 10-X	5 (3/16")	18 (45/64")	25 (1")	2,2 (0,0015)	1200 (3937')
Expando B200 20-X	15 (19/32")	28 (1-3/32")	38 (1-1/2")	3,5 (0,0023)	900 (2953')
Expando B200 40-X	25 (1")	55 (2-5/32")	60 (2-3/8")	5,1 (0,0034)	700 (2297')

Note: X = 0 (black); 9 (Ivory)

Part Numbering System

Example	Product Name	Size	Color	Quantity
	Expando B200	10	0 (black)	1200 m (3937 ft)

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