EAGLE® Blue 80 MD

Metal Detectable Polyurethane Belting from Fenner Drives!

Size	Part Number	Pack Length
3/16"	4941100	100' / 30.5m
1/4"	4941101	100' / 30.5m
5/16"	4941102	100' / 30.5m
3/8"	4941103	100' / 30.5m
7/16"	4941104	100' / 30.5m
1/2"	4941105	100' / 30.5m
9/16"	4941106	100' / 30.5m
5/8"	4941107	100' / 30.5m
A/13	4941108	100' / 30.5m
B/17	4941109	100' / 30.5m



Fenner Drives is proud to introduce the newest addition to our line of Eagle Polyurethane belting. Developed specifically for food processing, FDA compliant Eagle Blue 80 MD is designed to be detected by standard metal detectors utilized to insure food safety.

Metal Detection

Laboratory testing has shown that a piece of ¼" diameter belt that is 0.125" in length has similar voltage signal to a mild steel test sphere 1.5mm in diameter when tested in a wet or conductive product.

- Typically liquid line systems are set to detect between 0.5mm and 2.5mm diameter test spheres.
- Packaged products are typically set to detect between 1.5mm and 4.0mm diameter test spheres.

Applications that involve dry non-conductive products will require larger pieces for detection purposes.

FDA compliance

EAGLE Blue 80 MD is FDA compliant for applications that involve dry and wet food applications up to 150°F.

DESCRIPTION
Round, Non–Reinforced ◯

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Dimensions Ø (in)	(mm)	Minimum Pulley Ø (in)	(mm)	Working Load @ Percent Tension 4% (lbs)	(N)	6% (lbs)	(N)	8% (lbs)	(N)	10% (lbs)	(N)	Weight per foot (lbs)	Weight per metre (kg)
3/16"	3/16		1.31	33	0.8	3.5	1.2	5.4	1.6	7.0	1.9	8.6	0.014	0.021
1/4"	1/4	6.3	1.75	44	1.3	6.0	2.1	9.2	2.8	12.3	3.4	15.3	0.025	0.037
5/16"	5/16		2.19	56	2.1	9.4	3.3	14.5	4.3	19.3	5.5	24.3	0.039	0.058
3/8"	3/8	9.5	2.63	67	3.0	13.5	4.7	20.9	6.3	27.9	7.8	34.8	0.056	0.083
7/16"	7/16		3.06	78	4.2	18.9	6.4	28.4	8.5	38.0	10.6	47.2	0.076	0.113
1/2"	1/2	12.5	3.50	89	5.4	23.9	8.4	37.3	11.2	49.7	13.8	61.6	0.100	0.148
9/16"	9/16		3.94	100	6.9	30.6	10.6	47.1	14.2	63.0	17.6	78.2	0.126	0.187
5/8"	5/8		4.38	111	8.4	37.5	13.1	58.2	17.4	77.6	21.7	96.4	0.156	0.231
A/13	1/2" x 5/16"	13 x 8	2.25	57	2.8	12.6	4.8	21.5	6.8	30.4	8.8	38.9	0.064	0.095
B/17	11/16" x 13/32"	17 x 11.5	3.00	76	5.0	22.0	8.4	37.3	11.8	52.6	15.1	67.0	0.118	0.175

Contact your Fenner Drives representative for more information about our full line of Eagle Polyurethane Belting.

Fenner Drives®

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