



# EAGLE® Blue 80 MD

## Metal Detectable Polyurethane Belting from Fenner Drives!

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 ensure food safety.

Size	Pack Length	Grainger SKU
3/16"	100' / 30.5m	30D659
1/4"	100' / 30.5m	30D660
5/16"	100' / 30.5m	30D661
3/8"	100' / 30.5m	30D662
1/2"	100' / 30.5m	30D663

### Metal Detection


Laboratory testing has shown that a piece of 1/4" 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.

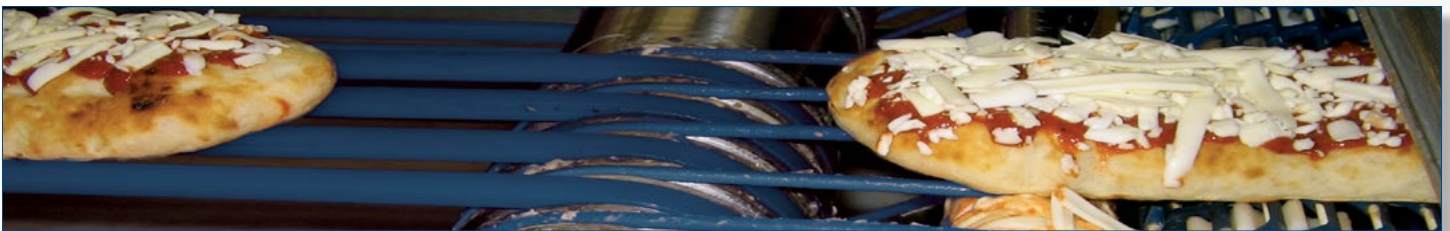
Applications that involve dry non-conductive products will require larger pieces for detection purposes.

### FDA compliance

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

DESCRIPTION Round, Non-Reinforced 			HARDNESS 80A		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		Minimum Pulley Ø		Working Load @ Percent Tension								Weight per foot (lbs)	Weight per metre (kg)
	(in)	(mm)	(in)	(mm)	4%		6%		8%		10%			
					(lbs)	(N)	(lbs)	(N)	(lbs)	(N)	(lbs)	(N)		
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
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

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



For more information contact your Grainger Representative or visit [Grainger.com](http://Grainger.com)®

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AVAILABLE THROUGH

**GRAINGER**  
FOR THE ONES WHO GET IT DONE