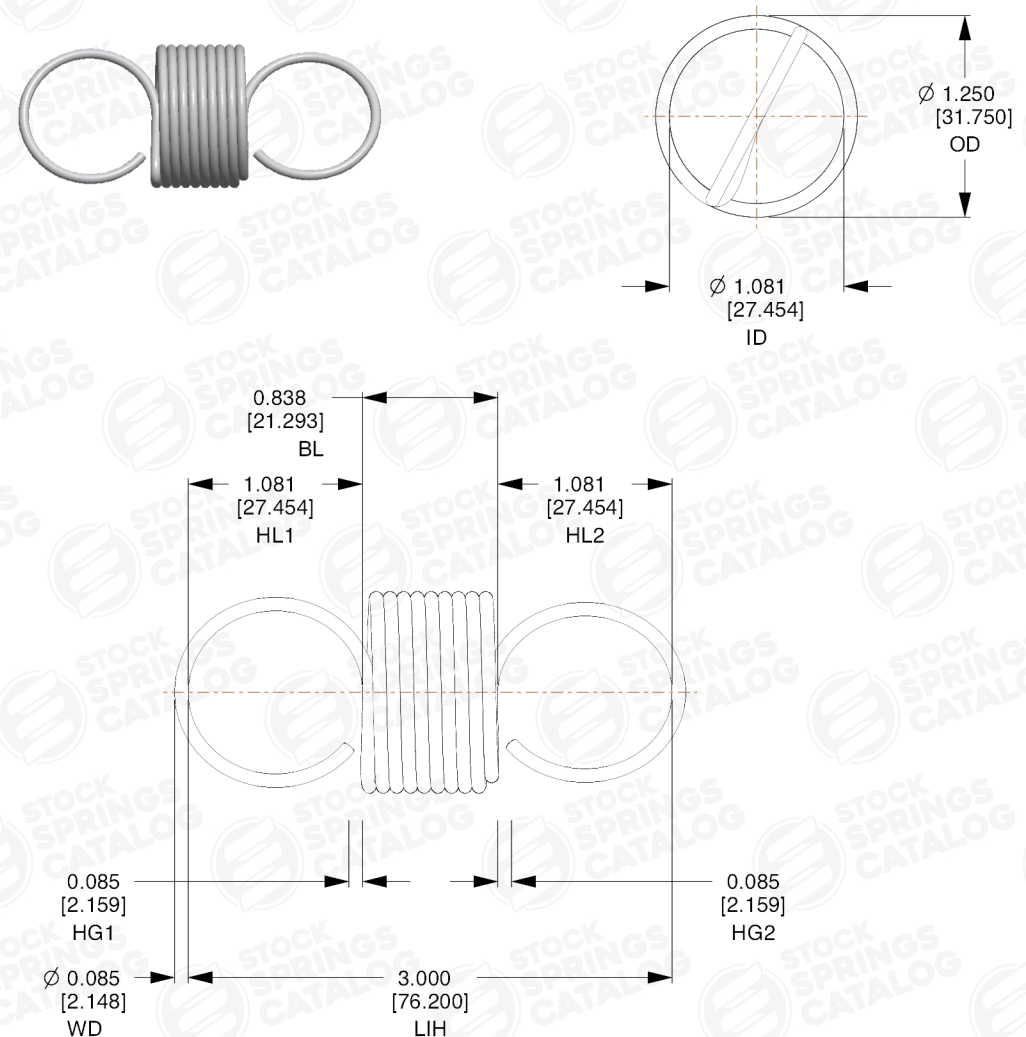


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE085-1250-8882-SST-3000-CO-N-IN 
Spring Type: Extension Spring	End Type: Cross-Over Hook
Finish: None	Direction of Wind: Right Hand
Material: Stainless 302 ASTM A313	Spring Index (I): 13.706
Weight / M: 68.861 Lbs	Length of W: 41.988 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.085 in	[2.159 mm]	+/- 0.001
Outer Diameter (OD)	1.250 in	[31.750 mm]	+/- 0.025
Mean Diameter (MD)	1.165 in	[29.591 mm]	+/- 0.025
Inner Diameter (ID)	1.080 in	[27.432 mm]	+/- 0.025
Length Inside Hooks (LIH)	3.000 in	[76.200 mm]	+/- 0.100
Body Length (BL)	0.840 in	[21.336 mm]	+/- 0.025
Hook Gap 1 (HG1)	0.085 in	[2.159] mm	
Hook Gap 2 (HG2)	0.085 in	[2.159] mm	
Hook Length 1 (HL1)	1.080 in	[27.432] mm	
Hook Length 2 (HL2)	1.080 in	[27.432] mm	
Total Hook Length (THL)	2.160 in	[54.864] mm	

Spring Rate (K)	4.62253 lbs/in	0.810 N/mm	+/- 0.462
Max Load (ML)	17.379 lbf	77.306 N	+/- 1.738
Max Travel (MT)	3.399 in	86.327 mm	
Initial Tension (IT)	1.669 lbf	7.422 N	
Max Shear Stress Possible (t max)	115620.000 PSI	797171838.217 Pa	
Material Shear Modulus (G)	9949475.938 PSI	68599221788.087 Pa	
Wahl Correction Factor (W)	1.104	1.104	



Note: Body Length, Total Coils, End Type and End Position is for reference only.

Notes	Scale: 0.840	Revision #:	Drawn By:	Approved By:
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