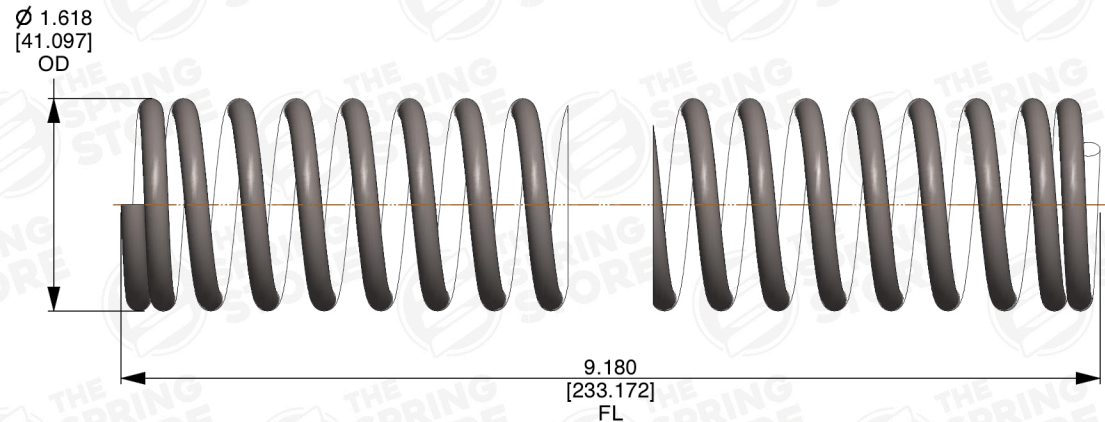
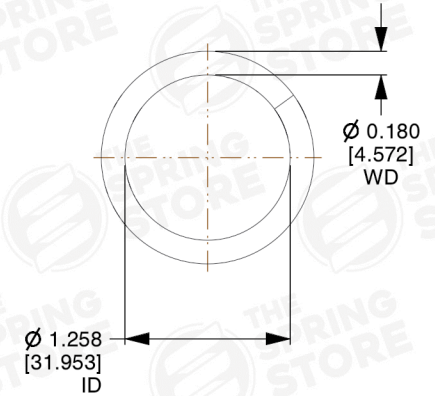


Part Name:	Date: 06/02/2026
Part #: in PC180-1618-22600-MW-9180-C-N-IN	
(Click to see Part # on Website)	
Spring Type: Compression Spring	End Type: Closed End
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 7.989
Weight / M: 738.221 Lbs	Length of W: 102.098 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.180 in	[4.572 mm]	+/- 0.001
Outer Diameter (OD)	1.618 in	[41.097 mm]	+/- 0.040
Mean Diameter (MD)	1.438 in	[36.525 mm]	+/- 0.040
Inner Diameter (ID)	1.258 in	[31.953 mm]	+/- 0.040
Free Length (FL)	9.180 in	[233.172 mm]	+/- 0.300
Active Coils (AC)	20.600	20.600	+/- 1/4 Coil
Total Coils (TC)	22.600	22.600	+/- 1/4 Coil
Solid Height (SH)	4.248 in	[107.899 mm]	+/- 0.297
Coil Pitch (CP)	0.419 in	[10.653 mm]	
Rise Angle (RA)	5.304	[5.304]	
Spring Rate (K)	24.620 lbs/in	4.312 N/mm	+/- 2.462
Max Load (ML)	121.426 lbf	540.130 N	+/- 12.143
Max Travel (MT)	4.932 in	125.273 mm	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Max Shear Stress Possible (t max)	117030.000 PSI	806893446.000 Pa	
Wahl Correction Factor (W)	1.184	1.184	



Notes	Scale: 0.684	Revision #:	Drawn By:	Approved By:
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