



TECHNICAL SPECIFICATION FOR PLUNGER SPRING
TFS:1002/REV.00

1.0 Scope:

Design, manufacture and supply of Plunger springs used in Tilt mechanism assembly of windboxes.

2.0 Purpose

The plunger springs are loaded to the shear failure mechanism. In case of shear pin failure due to overloading of power cylinder, the plunger is activated by the plunger spring to lock the mechanism in stay-put position.

3.0 Technical parameters

3.1 Spring Outside Diameter	16 mm
3.2 Hole Diameter around spring	25 mm
3.3 Wire Diameter (mm)	*
3.4 Load At Solid Length	112 N
3.5 Free Length	45 mm
3.6 Solid Length	20 mm
3.7 Rate	4.48 N/mm
3.8 Rod Diameter	9.5 mm
3.9 Active Coils	~ 9
3.10 Total Coils	~ 11
3.11 Finish	Passivate as per ASTM A967 ULTRASONICALLY CLEANED
3.11 Material	SS316

**Vendor to specify*

4.0 Documents required

Vendor shall submit dimensional drawing and point-wise confirmation to the specification.

5.0 Inward Inspection

Visual inspection

Dimensional check

Prepared	Checked	Approved
Dheeraj Kumar	GSK	MTP