

PSGSG/20 15-16/002	Product Specifications for DISC SPRINGS(320x127x12)	Drawing No: Date:	RD DG 435 0617 0700 9/11/2017
S. No.	BHEL Specification		
1.0	Application: These Disc Springs shall be used for GIS application.i.e. Spring Hydro Mechanism.		
2.0	Specifications:		
2.1	General Specifications:		
2.11	Spring must be produced by the technology of the manufacturer,not by		
2.12	The geometric dimensions of the springs must shall match the enclosed drawing		
2.13	Support grooves R2.2 must be produced after heat treatment. Out-of parallelism shall		
2.14	These Disc springs shall be used in the systems of 10KJ energy levels.		
2.2	Raw Materials : Spring Steel,50CrV4		
2.3	Surface Coating/Corrosion Protection : Phosphated & Oiled		
2.4	Hardness: 45...50 HRC		
2.5	Durability: The spring life span shall not be less than 30 years .		
2.6	Max.allowed work force on one power unit (16 DISC SPRINGS): 252840N		
2.7	Max.allowed deformation of one spring: 9.5mm		
2.8	Endurance: Endurance of the spring shall be more than 10000 cycles.		
2.9	Other Technical Requirements: As per DIN 2093		
3.0	Accessories: Accessories required shall be provided along with the Disc Springs.		
Page 1/2		Signature	

PSGSG/20 15-16/002	Product Specifications for DISC SPRINGS(320x127x12)	Drawing No:	RD DG 435 0617 0700
		Date:	9/11/2017
S. No.	BHEL Specification		
4.0	Testing: Disc Spring and Power Unit (Stack of Disc Spring)shall be tested for standard load		
5.0	Acceptance Criteria: Raw material test certificates at the time of dispatch. Visual inspection for voids, cracks and non-uniformity.		
6.0	PACKING: As per the standard packing procedures.		
6.1			
6.2			
7.0	CLARIFICATIONS: In case of any clarifications in specifications, the supplier shall contact BHEL.		
Page 2/2		Signature	