

WORM GEAR TO DRG NO 176.23.022SB-1SB & WORM 176.23.051 AND WORM WITH WORM GEAR HVF.23.062SB

Sl no.	Nomenclature & drawing No.	Manufacturing technology & Testing / Inspection Facilities required to produce the item		Must be possessed by the vendor in his premises (P&M list and testing / inspection equipment list to be submitted)	May be possessed by the vendor in his premises or out sourced (Self declaration to be submitted)	FIRM Compliance (Y/N)	Remarks
1	176.23.022SB-1SB Worm Gear	TECHNOLOGY-1	Raw material		Firm should be capable to arrange the raw material like forging, bar material, Brass moulded casting etc as per drawing specification and standard.		
2	176.23.051 Worm						
(Items 1 & 2 to be ordered together to get the supplies as a pair)		TECHNOLOGY-2	Turning	CNC Turning machine suitable to accommodate component upto 200 mm diameter with 0.050mm accuracy			
3	HVF.23.062SB Worm with Worm Gear		Grinding	Internal, External & Surface grinding machine as per component Dia 200mm with 0.010mm accuracy			
			Gear machining	Worm Gear machining facility of module 4 or more as per drg specification	Gear Shaping facility of module 2 or more as per component requirement with DIN class 7 accuracy		
			Worm & Worm Gear Lapping	Firm should have the Lapping facility for both Worm & Worm Gear and should be supplied as a pair (OR) Firm should submit the undertaking in this regard that they will create the facilities within 6 months from the date of receipt of order.			
		TECHNOLOGY-3	Heat Treatment		Carburising, Hardening, Induction Hardening & Tempering furnace with Oil quenching facility suitable to the components		
			Protection coating		Oxidising or Oxido Phospahting facility suitable to the component		

Sl no.	Nomenclature & drawing No.	Manufacturing technology & Testing / Inspection Facilities required to produce the item		Must be possessed by the vendor in his premises (P&M list and testing / inspection equipment list to be submitted)	May be possessed by the vendor in his premises or out sourced (Self declaration to be submitted)	FIRM Compliance (Y/N)	Remarks
1	176.23.022SB-1SB Worm Gear	TEST / INSPECTION-1	Surface Roughness Tester		Surface Roughness Tester for Ra & Rz values		
2	176.23.051 Worm (Items 1 & 2 to be ordered together to get the supplies as a pair)		Gauges	Standard Gauges for checking the Worm & Worm gear suitable to the requirement of the components (OR) Firm should submit the undertaking in this regard that they will create the facilities within 6 months from the date of receipt of order.			
3	HVF.23.062SB Worm with Worm Gear		Measuring Instruments	Vernier Caliper, Micrometer. Gear tooth Micrometer, Radius gauge, Feeler Gauge etc. suitable to the requirement of the components Firm should submit the undertaking in this regard that they will create the facilities within 6 months from the date of receipt of order.			
		TEST / INSPECTION-2	Hardness measurement		Brinell & Rockwell Hardness Tester		

Note : Justification for alternate facilities may be shared to prove that alternate facilities can be utilised to manufacture the item wherever the facilities are mentioned above are not available, but vendor has alternate facilities.

1. Perfect Gears, Chennai

Likely Sources: 2. Sakthi Tech , Coimbatore

3. Santhi Gears, Coimbatore