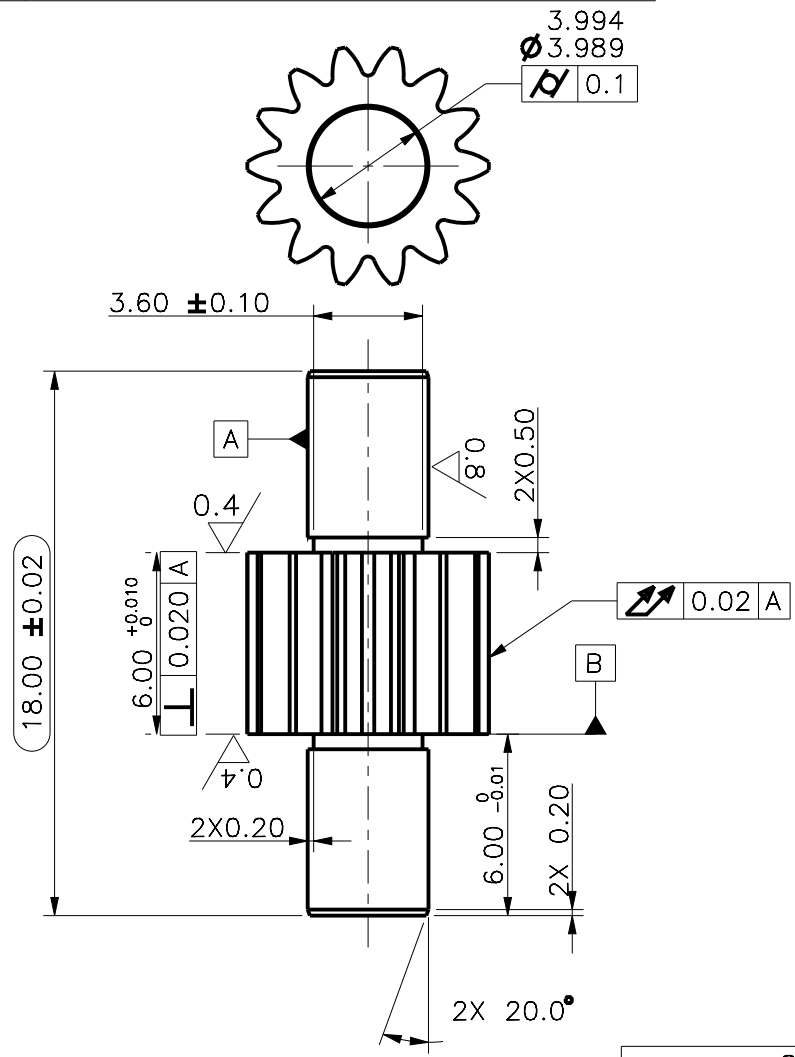


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S.No.	STANDARDS / GUIDELINES REFERRED
1.	CHAMFER, EXT. RADII & ANGULAR DIMNS. - IS:2102 (1) / ISO:2768 (1)
2.	GEOMETRICAL TOLERANCES - IS:8000 (1) / ISO:1101
3.	SURFACE TEXTURES (Ra, IN μm) - IS:3073 / ISO:1302
4.	


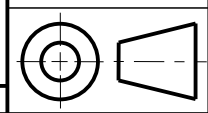
\triangle	MAJOR DIMENSIONS
\diamond	CRITICAL DIMENSIONS
\odot	SAFETY COMPLIANCES



NOTE:
 1. MATING GEAR IS SAME AS THAT OF THE GIVEN GEAR SPECIFICATION
 2. GEAR TEETH PROFILE TO BE CASE HARDENED & CASE HARDENED DEPTH IS 0.3MM

SPUR GEAR SPECIFICATION	
NUMBER OF TEETH	14
PRESSURE ANGLE	20°
CENTER DISTANCE	7.32
BACKLASH	0.22
MODULE	0.5
ADDENDUM MODIFICATION CO EFFICIENT	0.21
PITCH DIAMETER	7
CLASS OF ACCURACY	7

5 ALL DIMENSIONS ARE IN mm

MATERIAL: SAE 8620		HEAT TREATMENT: -		REV. ECN NO.		CHANGE DETAILS		DATE		SIGN.																																
STD:																																										
YEAR:																																										
COMPONENT WEIGHT : 11.29 g		SURFACE TREATMENT:		SCALE:		 PRICOL LIMITED COIMBATORE, INDIA - 641 019. PUMPS & MECHANICAL PRODUCTS																																				
UNTOLERANCED DIMENSIONS																																										
<table border="1"> <thead> <tr> <th>DIMNS.</th> <th>DIA.</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr> <td>0.5 TO 3</td> <td>± 0.05</td> <td>± 0.1</td> </tr> <tr> <td>3 TO 6</td> <td>± 0.10</td> <td>± 0.15</td> </tr> <tr> <td>6 TO 30</td> <td>± 0.15</td> <td>± 0.20</td> </tr> <tr> <td>30 TO 120</td> <td>± 0.20</td> <td>± 0.25</td> </tr> <tr> <td>120 TO 500</td> <td>± 0.30</td> <td>± 0.50</td> </tr> </tbody> </table>		DIMNS.	DIA.	LENGTH	0.5 TO 3	± 0.05	± 0.1	3 TO 6	± 0.10	± 0.15	6 TO 30	± 0.15	± 0.20	30 TO 120	± 0.20	± 0.25	120 TO 500	± 0.30	± 0.50	<table border="1"> <thead> <tr> <th>2017</th> <th>SIGN.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGNED</td> <td>SURESH</td> <td>21/07</td> </tr> <tr> <td>DRAWN</td> <td>SURESH</td> <td>21/07</td> </tr> <tr> <td>CHECKED</td> <td>VINODH</td> <td>05/10/17</td> </tr> <tr> <td>APPROVED</td> <td>VINODH</td> <td>05/10/17</td> </tr> </tbody> </table>		2017	SIGN.	DATE	DESIGNED	SURESH	21/07	DRAWN	SURESH	21/07	CHECKED	VINODH	05/10/17	APPROVED	VINODH	05/10/17			PART NAME : SHORT GEAR SHAFT		REV.	
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