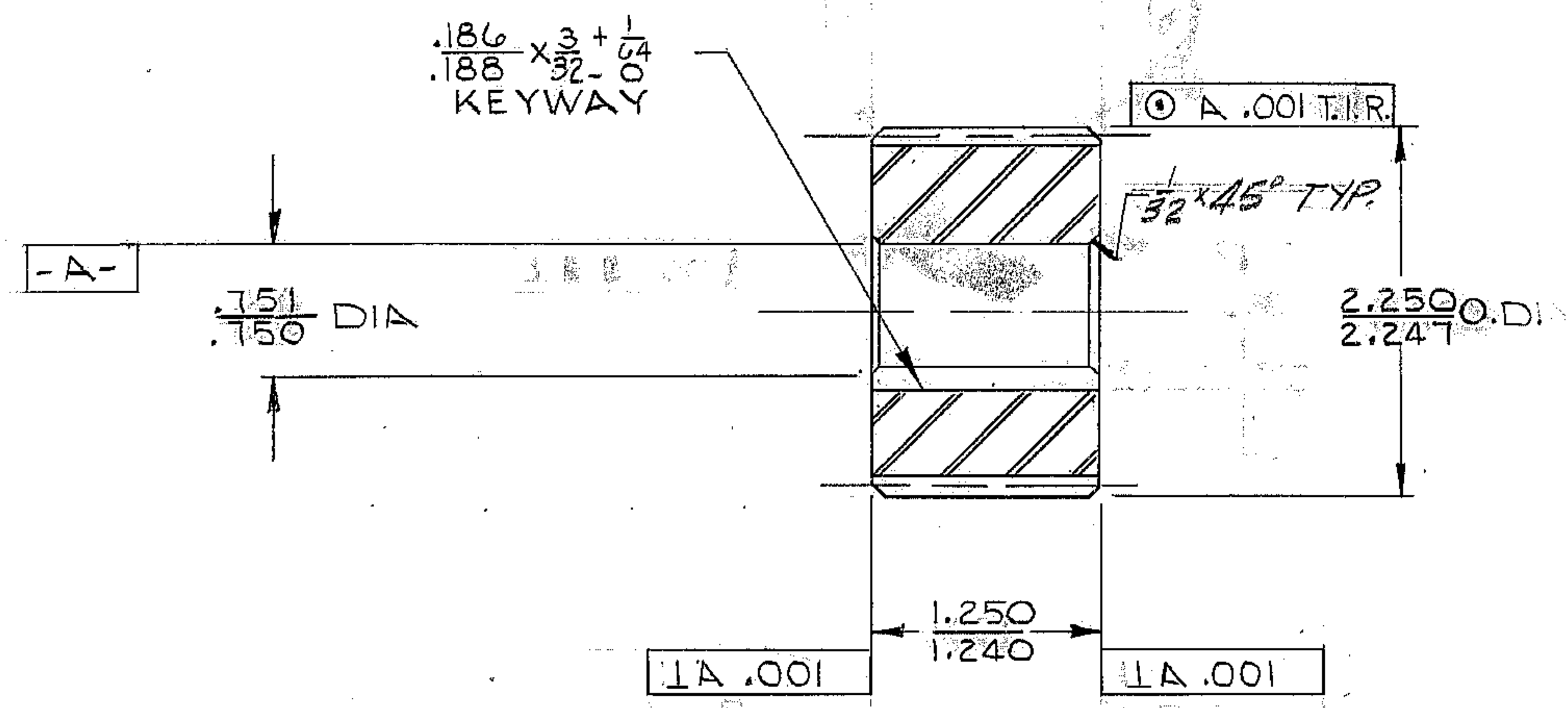


| REVISIONS | | | | |
|-----------|-----|------------------------------------|---------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| 5D | A | .750/.751 DIMENSION WAS .749/.750 | 9/17/68 | |
| 4A | B | DIM. 2.294/2.291 WAS 2.8883/2.8840 | 3/3/70 | |



- NOTES:
- 1 ALL DIMENSIONS ARE IN INCHES.
 - 2 FINISH TO BE 125 ALL OVER.
 - 3 MATL: STL SAE 4140 H.T. TO 300 B.H.N. MIN. 2 3/8 DIA X 1 3/8.
 - 4 MAX RUNOUT OF P.D. = .0037
PITCH ERROR = .0017
PROFILE ERROR = .0020 TOTAL
CROWN SHAVE TEETH - .0005 CROWN,
LEAVE .002-.003 FOR SHAVING

SPUR PINION DATA

| | |
|---|----------------|
| NUMBER OF TEETH | 16 |
| RATIO | — |
| PITCH (DIAMETRAL) | 8 |
| PITCH (DIAMETER) | 2.000 |
| PRESSURE ANGLE | 20° |
| ADDENDUM | .1250 |
| DEDENDUM | .1446 |
| MATERIAL | |
| MATING GEAR TYPE | |
| METHOD OF CUTTING | HOB & SHAVE |
| TOTAL BLASH ALL ON STD CTRS | .004 - .006 |
| MATES WITH DWG NO. | |
| MEAS. OVER .2160 DIA PINS AFTER SHAVING (.004-.006 BACKLASH INCLUDED) | 2.294 2.291 |

WESTERN GEAR CORPORATION
CONSTRUCTION PROJECTS
DEPARTMENT
APPROVED FOR
PROCUREMENT

REF. FILE 1167

DATE SEP 18 1968

NEXT ASSY: 2150.240E002 (W.G.N102993)

| | | | |
|---|---|---|-----------------|
| LIMITS ON MACHINED DIMENSIONS EXCEPT AS NOTED ANGULAR ± 1° 0' LINEAR .X = ± .1 .XX = ± .03 .XXX = ± .010 FRACTIONAL ± 1/32 BREAK ALL SHARP EDGES | 150 IN. STELLAR TELESCOPE MTG | WESTERN GEAR CORPORATION HEAVY MACHINERY DIVISION EVERETT, WASHINGTON | |
| | DRAWN R. ORR CHECK R. NIEVES ENGR | GEAR, DRIVE CASSEGRAIN RAMP ASSY | |
| APPROVED | W.G.C 112513 | SIZE B CODE IDENT NO. 16603 | REV B |
| | SCALE 1/1 | WT. | LB SHEET 1 OF 1 |