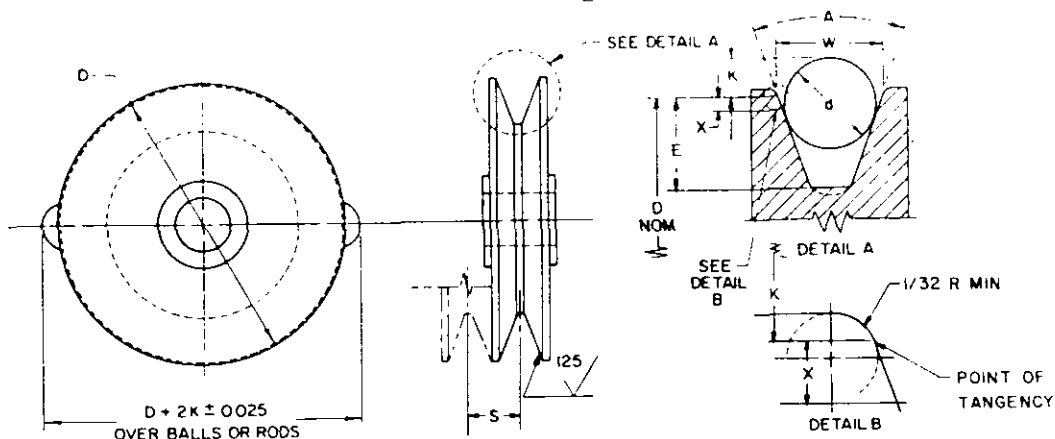


FEL SUP C 411
3020

| NOMINAL SIZE FOR BELTS AND PULLEYS INCH | GROOVE WIDTH IN. ± 0.005 | GROOVE ANGLE $\pm 1/2^\circ$ | E GROOVE DEPTH IN. MIN | K RUN- OUT INCH | d BALL OR ROD DIA INCH | D DIAMETER INCH ± 0.005 | 2X IN. | GROOVE SPACING IN. ± 0.015 |
|--------------------------------------------------|------------------------------------|------------------------------------|---------------------------------|--------------------------|---------------------------------|-----------------------------------|--------|--------------------------------------|
| 0.380 | 0.380 | 36 | 7/16 | 0.077 | 0.3125 | 2.75 AND LARGER | 0.06 | 0.541 |
| 0.500 | 0.500 | 36 | 9/16 | 0.157 | 0.4375 | 3 AND LARGER | 0.08 | 0.661 |
| 11/16 | 0.597 | 36 | 9/16 | 0.129 | 0.500 | 3 TO 4 INCL | 0.00 | 0.778 |
| | | 38 | | 0.140 | | 4 TO 6 INCL | | |
| | | 38 | | 0.151 | | INCL | | |
| 3/4 | 0.660 | 36 | 5/8 | 0.164 | | TO 6 INCL | 0.02 | 0.841 |
| | | 38 | | | | 5 INCL | | |
| 7/8 | 0.785 | 36 | | | | TO 6 INCL | 0.04 | 0.966 |
| | | 38 | | | | 8 INCL | 0.06 | 1.091 |
| 1 | 0.910 | 36 | | | | 8 INCL | | |

① CANCELED AFTER 21 APRIL 1982
FUTURE PROCUREMENT SHOULD BE
MADE UNDER SAE J636B.

- THE STANDARD V-BELTS AND PULLEYS.
- GROOVE WIDTHS "W", AND GROOVE DEPTHS "E" ARE MEASURED FROM THE CENTER OF GROOVE.
- TANGENCY OR AT 1/2 THE DIAMETER "D" MEASURED FROM THE CENTER.
- RUN-OUT SHALL NOT EXCEED 0.015 IN., TOTAL INDICATOR READING. LATERAL RUN-OUT SHALL NOT EXCEED 0.015 IN., TOTAL INDICATOR READING. RUN-OUT IN THE TWO DIRECTIONS SHALL BE MEASURED SEPARATELY AS TOTAL INDICATOR READINGS OF MOVEMENT OF BALL MOUNTED UNDER SPRING PRESSURE TO FOLLOW GROOVE AS PULLEY IS ROTATED. DIAMETER, LOAD AND OVERHANG CONDITIONS MAY REQUIRE OR PERMIT VARIATIONS IN THE ABOVE SPECIFIED RUN-OUT LIMITS.
4. BOTTOM CORNER RADIUS OPTIONAL, BUT IF USED, THEY SHALL BE BELOW THE DEPTH, E.
 5. IN PULLEYS FOR USE WITH BELTS IN MULTIPLE ON COMMON CENTERS, THE DIAMETERS OVER THE BALL GAGES SHALL NOT VARY FROM GROOVE TO GROOVE IN THE SAME PULLEY MORE THAN 0.002 IN. PER INCH OF DIAMETER, WITH TOP LIMIT OF 0.012 IN. FOR DIAMETER 6 IN. AND ABOVE.
 6. CENTERLINE OF GROOVE SHALL BE 90 DEGREES PLUS OR MINUS 2 DEGREES WITH PULLEY AXIS.
 7. THE S VALUES ARE INTENDED FOR ADJACENT GROOVES OF THE SAME NOMINAL WIDTH "W". CHOICE OF PULLEY MANUFACTURE OR BELT DESIGN PARAMETER MAY JUSTIFY VARIANCE FROM THESE VALUES. THE S DIMENSION SHALL BE THE SAME, ± 0.015 INCH ON ALL MULTIPLE GROOVE PULLEYS IN A DRIVE USING MATCHED BELTS.
 8. 2X IS TO BE SUBTRACTED FROM THE DIAMETER "D" TO OBTAIN PITCH DIAMETER FOR SPEED RATIO CALCULATIONS.
 9. FINISH SHALL BE IN ACCORDANCE WITH ANSI B46.1.
 10. THIS IS A DESIGN STANDARD AND SHALL NOT BE USED AS A PART NUMBER.

CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ABCA STD 63. WHEN AMENDMENT, REVISION, OR CANCELLATION IS PROPOSED WHICH WILL EFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

© ENTIRE STANDARD REVISED

| | | | |
|---------------------------------------|----------------------------------------|-------------------------------------------------------------------|--------------------------------------|
| P.A. ME Other Cust AIR FORCE 82 | INTER- NATIONAL INTEREST ABCA | TITLE PULLEY, GROOVE: ENGINE ACCESSORY DRIVE BELTS. | MILITARY STANDARD MS 51064 |
| PROCUREMENT SPECIFICATIONS NONE | SUPERSEDES: | SHEET 1 OF 1 | |

DD FORM 672-1 (1 SEP 57) (Unchanged)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

REVIEW ACTIVITIES AT:
MILITARY ACTIVITIES
MILITARY, MC, SH, YO, IL

THIS MILITARY STANDARD IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE
DEPARTMENT OF DEFENSE. SELECTION FOR ALL NEW ENGINEERING AND DESIGN APPLICATION
AND FOR REPEITIVE USE SHALL BE MADE FROM THIS DOCUMENT.

APPROVED 19 MAY 1958 REVISED 1 MAY 1963 16 APRIL 1968 21 APRIL 1982