

TABLE 1 - HOSE AND FITTING DIMENSIONS

| BASIC HOSE ASSEMBLY NO. AS5953 SIZE CODE | HOSE /14/ FITTING TYPE | REF THREAD T PER AS8879 | HOSE ID | | REF B GAGE BASIC DIA. | | C /7/ FITTING MIN. | REF /9/ D1 & D5 | REF /9/ D2 & D6 | REF /9/ D3 | REF /9/ D4 | E /8/ MAX HEX | F /8/ MIN | G1 MIN | G1 MAX | STRAIGHT FITTING BALL SIZE | | ELBOW FITTING BALL SIZE | |
|--|------------------------|-------------------------|-------------------|------|-----------------------|------|--------------------|-----------------|-----------------|------------|------------|---------------|-----------|--------|--------|----------------------------|------|-------------------------|------|
| | | | MIN | MAX | A1 | A2 | | | | | | | | | | D5 | D6 | D3 | D4 |
| E | .250 | -- | -- | -- | -- | -- | --- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| E | .250 | S | .4375-28UNJEF-3B | .212 | 1.92 | 2.33 | .2930 | .16 | .055 | .11 | .038 | .58 | .56 | .328 | .458 | .120 | .113 | .113 | .113 |
| E | .250 | E | .5625-24UNJEF-3B | .212 | 2.02 | 2.37 | .4120 | .16 | .055 | .11 | .038 | .58 | .69 | .368 | .498 | .120 | .113 | .113 | .113 |
| G | .375 | R | .4375-28UNJEF-3B | .298 | 2.12 | 2.51 | .2930 | .16 | .055 | .11 | .038 | .75 | .56 | .328 | .458 | .120 | .113 | .113 | .113 |
| G | .375 | S | .5625-24UNJEF-3B | .298 | 2.16 | 2.55 | .4120 | .16 | .055 | .11 | .038 | .75 | .69 | .368 | .498 | .203 | .192 | .192 | .192 |
| G | .375 | E | .7500-20UNJEF-3B | .298 | 2.29 | 2.68 | .5600 | .19 | .066 | .12 | .038 | .75 | .88 | .487 | .617 | .203 | .192 | .192 | .192 |
| H | .500 | R | .5625-24UNJEF-3B | .391 | 2.38 | 2.81 | .4120 | .16 | .055 | .11 | .046 | .88 | .69 | .368 | .498 | .203 | .192 | .192 | .192 |
| H | .500 | S | .7500-20UNJEF-3B | .391 | 2.51 | 2.92 | .5600 | .19 | .066 | .12 | .046 | .88 | .88 | .487 | .617 | .297 | .281 | .281 | .281 |
| H | .500 | E | .8750-20UNJEF-3B | .391 | 2.58 | 2.94 | .6730 | .20 | .066 | .14 | .046 | .88 | 1.00 | .500 | .630 | .297 | .281 | .281 | .281 |
| J | .625 | R | .7500-20UNJEF-3B | .485 | 3.02 | 3.47 | .5600 | .19 | .066 | .12 | .046 | 1.00 | .88 | .487 | .617 | .297 | .281 | .281 | .281 |
| J | .625 | S | .8750-20UNJEF-3B | .485 | 3.09 | 3.53 | .6730 | .20 | .066 | .14 | .046 | 1.00 | 1.00 | .500 | .630 | .369 | .349 | .349 | .349 |
| J | .625 | E | 1.0625-18UNJEF-3B | .485 | 3.34 | 3.63 | .8100 | .23 | .066 | .16 | .046 | 1.00 | 1.25 | .586 | .786 | .369 | .349 | .349 | .349 |
| K | .750 | R | .8750-20UNJEF-3B | .602 | 3.90 | 4.37 | .6730 | .20 | .066 | .14 | .046 | 1.30 | 1.00 | .500 | .630 | .369 | .349 | .349 | .349 |
| K | .750 | S | 1.0625-18UNJEF-3B | .602 | 3.96 | 4.50 | .8100 | .23 | .066 | .16 | .046 | 1.30 | 1.25 | .586 | .786 | .459 | .434 | .434 | .434 |
| K | .750 | E | 1.3125-16UNJ-3B | .602 | 4.07 | 4.54 | 1.0620 | .30 | .066 | .21 | .046 | 1.30 | 1.50 | .631 | .831 | .459 | .434 | .434 | .434 |
| M | 1.000 | R | 1.0625-18UNJEF-3B | .852 | 4.36 | 5.29 | .8100 | .23 | .066 | .16 | .046 | 1.70 | 1.25 | .586 | .786 | .459 | .434 | .434 | .434 |
| M | 1.000 | S | 1.3125-16UNJ-3B | .852 | 4.48 | 5.33 | 1.0620 | .30 | .066 | .21 | .046 | 1.70 | 1.50 | .631 | .831 | .675 | .638 | .638 | .638 |
| M | 1.000 | E | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETERS /10/
(DIAMETERS ARE MAXIMUM UNLESS OTHERWISE NOTED)

| SLEEVE CODE | SLEEVE MATERIAL | TEMP | | | | | | | | | |
|----------------|--|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------------|
| | | LIMIT °F | SIZE .250 | SIZE .375 | SIZE .500 | SIZE .625 | SIZE .750 | SIZE .875 | SIZE .985 | SIZE 1.180 | SIZE 1.264-1.580 |
| - | (-) INDICATES HOSE ONLY NO SLEEVE (REF) | 275 | .420-.590 | .525-.760 | .750-.925 | .870-.985 | .980-1.180 | 1.264-1.580 | | | |
| G | FIRE SLEEVE (AS1072 SIL-FG) (5 MIN) /11/12/13/ | 275 | .97 | 1.15 | 1.38 | 1.5 | 1.75 | 2.00 | | | |
| F | ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073-CODE B) /18/ | 275 | .65 | .83 | .99 | 1.06 | 1.26 | 1.67 | | | |

TABLE 3 - HOSE ASSEMBLY LENGTH TOLERANCES

| HOSE ASSEMBLY LENGTH | TOLERANCE |
|-----------------------|-----------|
| UNDER 18 in | ±.125 in |
| 18 TO 36 in EXCLUSIVE | ±.250 in |
| 36 TO 50 in EXCLUSIVE | ±.500 in |
| 50 in AND OVER | ±1% |

TABLE 4 - WEIGHTS /19/

| HOSE OR SLEEVE CODE | HOSE, PART OR SLEEVE | UNITS | SIZE | SIZE | SIZE | SIZE | SIZE | SIZE | |
|---------------------|--|-------|-------|------|------|------|------|-------|-------|
| | | | .250 | .375 | .500 | .625 | .750 | 1.000 | |
| - | HOSE ONLY | LB/IN | .010 | .014 | .020 | .033 | .032 | .055 | |
| G | FIRESLEEVE AS1072 (5 min PER AS1055) | LB/IN | .016 | .019 | .028 | .029 | .037 | .041 | |
| F | PROTECTIVE SLEEVE, SHRINK-ON (POLYOLEFIN AS1073, CODE B) /18/ | LB/IN | .002 | .003 | .003 | .003 | .005 | .007 | |
| NONE | FIRESLEEVE CLAMP | LB/EA | .019 | .019 | .019 | .024 | .024 | .020 | |
| NONE | FITTING END (STRAIGHT) /14/ | R | --- | .091 | .137 | .221 | .539 | 1.038 | |
| | | S | LB/EA | .057 | .102 | .162 | .247 | .592 | 1.084 |
| | | E | LB/EA | .068 | .127 | .188 | .300 | .638 | --- |
| NONE | FITTING END (45°) /14/ | R | --- | .112 | .165 | .261 | .633 | 1.230 | |
| | | S | LB/EA | .069 | .123 | .189 | .266 | .684 | 1.273 |
| | | E | LB/EA | .091 | .155 | .230 | .406 | .849 | |

NOTES:

1. MATERIALS:

- a. HOSE AND FITTINGS - PER AS5951.
- b. THE COLLARS MAY BE STAINLESS STEEL.
- c. SLEEVES - SEE APPLICABLE STANDARDS, TABLE 2.

/2/ THIS HOSE ASSEMBLY STANDARD SHALL BE QUALIFIED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS5951. USERS OF THIS STANDARD SHALL PROCURE THE PRODUCT FROM ACCREDITED MANUFACTURERS, OR ACCREDITED DISTRIBUTORS, AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED VENDORS LIST PRI-QPL-AS5951 FOR THIS STANDARD WHEN ISSUED. SEE <http://www.pri.sae.org/as5951/> FOR CURRENT PRI-QPL ONLINE. NOTE: PRIOR TO PRI-QPL ISSUE, USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL BY STANDARD SUPPLEMENT SHEET OR SIMILAR MEANS.

3. CONSTRUCTION AND PERFORMANCE PER AS5951. FITTINGS SHALL BE PERMANENTLY ATTACHED TO HOSE.

4. OPERATING CHARACTERISTICS PER AS5951.

/5/ MARKING: MARKING SHALL BE PER AS5951 ON A STAINLESS STEEL BAND NOT OVER 1.0 IN WIDE OR ON THE COLLAR. IF A BAND IS USED, IT SHALL BE LOCATED OVER THE COLLAR. THE CHARACTERS SHALL BE A MINIMUM OF .06 IN HIGH. THE BAND SHALL BE SO DESIGNED AS TO REMAIN TIGHT ON THE COLLAR TO PREVENT RELATIVE MOVEMENT AND SHALL BE OF SUFFICIENT STRENGTH TO PREVENT REMOVAL BY HAND. MARKING BAND SHALL BE COVERED WITH TRANSPARENT POLYOLEFIN SHRINK SLEEVE PER AS1073 CODE A.