



20.165 ± .020  
FOR -11 AND -1

.043 ± .003 REF  
EXCEPT IN  
REINFORCED  
REGIONS

SR 9.660 ± .005 REF

Ø 19.54 MAX  
OVER WELD BEAD

APPLIES TO ALL FEATURES IN THIS REGION

MAJOR Ø .6163  
.6250  
.6250-18 UNJF-3A THREAD  
PER MIL-S-8879  
PD .5854-.5889  
Ø .005 B  
FOR -11 AND -1

Ø .748 ± .001  
Ø .010 A  
.004 B  
-B-  
FOR -11 AND -1

Ø 1.21 ± .00  
-.15 REF

.050 X 45° ± 5° CHAMFER  
FOR -11 AND -1

.015 X 45° ± 5° CHAMFER  
FOR -11 AND -1

R .125  
FOR -11 AND -1

-11 TANK-MACHINED  
1 REGD FOR -1

-21 TANK-WELDMENT  
1 REGD FOR -11

80-396020-1 HEMISPHERE-MACHINED  
1 REGD FOR -21

80-396050-1 HEMISPHERE ASSY-PORTED  
1 REGD FOR -21

Ø .2229  
.2152  
▽ .500 MAX  
∨ Ø .270 X 90° ± 5°  
.2500-28 UNJF-3B PER MIL-S-8879  
▽ .40 MIN  
4 PLACES EQUALLY SPACED  
Ø .010 A  
REF

.250 ± .004  
-.000 X .020 ± .002 WALL  
304L CRES TUBE 2 PLACES  
REF

Ø 3.375  
Ø .010 A  
REF

SS-400-6-4AN UNION  
2 REGD FOR -1

FITTING END PER AS4395E04  
(MODIFIED) 2 PLACES REF

.53 MAX  
TYP REF

START OF CRES  
TUBE REF

.560  
REF

R .62 REF

FOR -11  
AND -1

Ø 2.875  
REF

45° Ø  
REF

.9 ± .3

**PRESSURE SYSTEMS, INC.**  
LOS ANGELES, CALIFORNIA

TANK, PROPELLANT AND  
PRESSURANT

CASE CODE	SIZE	DWG NO.	REV.
18229	E	80396	NC
SCALE: 1/1	SHEET		1 OF 1