



TANK TYPE Pressurant	MOUNT Strap
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This tank is a 15-inch spherical pressure vessel constructed of 6AL-4V titanium. Mounting is by strap. A single ported boss provides for inlet and outlet operation.

ATK Part Number 80186-1

SIZE: 14.95-inch ID Sphere

ISO 9001 & AS 9100 REGISTERED

APPLICABLE DOCUMENTS	
Sterer Qual Test Procedure	22491-1
Membrane Analysis	54-000022
Burst Test Report	56-000046
Cleaning	CPP 3336

TANK CHARACTERISTICS			
Operating Pressure, psig	3,620	Total Volume, ci	1,750
Proof Pressure, psig	5,440	Prop Volume, ci	N/A
Cryo Proof, psig	NA	Max Design Wt, lbs	23.30
Burst Pressure, psig	7,900	Minimum Wall, inch	0.177

QUALIFICATION TESTS
Qual by similiary on 80088-1.

Notes:

- 1: Tooling belongs to ATK
 - 2: Qualification is based on similarity to 80088-1.
- Reference Report No. 56-000014

TANK CHARACTERISTICS			
Operating Pressure, Bar	249.59	Total Volume, l	28.68
Proof Pressure, Bar	375.07	Prop Volume, l	N/A
Cryo Proof, Bar	NA	Max Design Wt, Kg	10.57
Burst Pressure, Bar	544.68	Minimum Wall, MM	4.496

FORGINGS		
FORGINGS P/N	SUPPLIER	Die No
80074-61		

