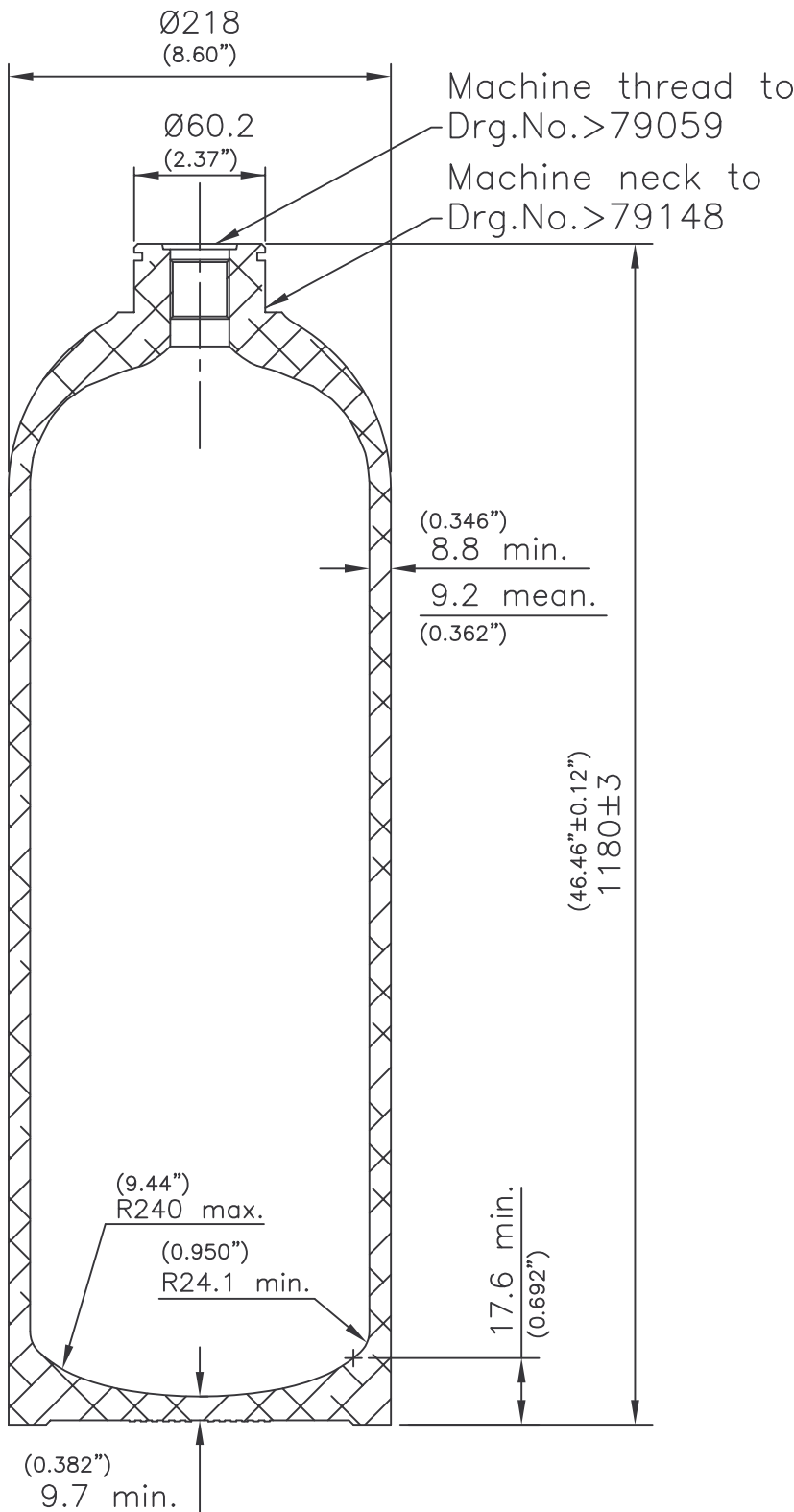




Luxfer Gas Cylinders Ltd.

Colwick, Nottingham, England.



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Water Capacity (min.)	33.43 lt (2040.00 cu in.)
Estimated Empty Wt.	22.94 kg (50.58 lb)
Thread Spec.	1.125" - 12 UNF 2B

CYLINDER PRESSURES

Charging @ 15.0°C	(1800 psi) 124 BAR
Test	(3000 psi) 207 BAR
CO2 Fill Ratio	68%
Min. Burst	(4500 psi) 310 BAR

Material:	Aluminium alloy AA 6061 T6
UTS min.	(49893 psi) 344 N/mm ²
0.2% Proof Stress min.	(42787 psi) 295 N/mm ²
Elongation, on 2"	14% min.

2	M5228	28.08.09
1	ORIG.	20.02.08
Issue	Mod. No.	Date
	Signature	Date
Drawn	D.W.	28.08.09
Checked	A.S.N.	28.08.09

The design and manufacture of this container conforms to :
DOT-3AL & TC-3ALM

Equivalent to:
C050-J3A, A050-J3A
F050-J3A & N155-J3A

All dimensions in mm u.o.s.

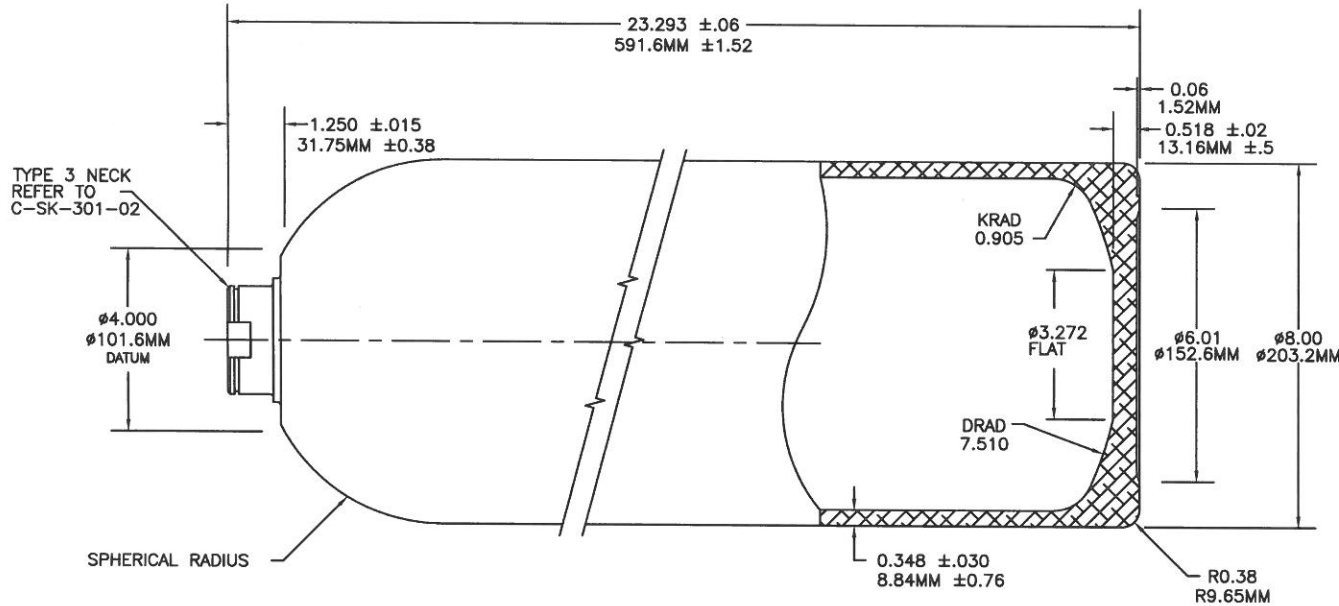
Title:

NM33.4 USA

L3301BY

N218E07BY

C020-18N80-J3A (C020)



NOTES:

1. CYLINDER TO MEET SPECIFICATIONS DOT-3AL AND TC-3ALM.
2. SERVICE AND TEST PRESSURE : SEE TABLE
3. MINIMUM INTERNAL VOLUME : 816.00 CU. IN. (13.37 L)
4. EST. AVERAGE CYLINDER WEIGHT : 22.75 LBS. (10.3 KG)
5. CYLINDER TO BE COMMERCIALY CLEAN AND FREE OF ALL FOREIGN CONTAMINANTS. WATER STAINS AND DISCOLORATION ARE ACCEPTABLE.
6. ALL STATED DIMENSIONS APPLY TO UNPAINTED CYLINDER.
7. MATERIAL: ALUMINUM ASSOCIATION ALLOY 6061; T6 CONDITION.
8. CAPACITY FOR N2O AND CO2 IS AT 68% FILL.
9. CYLINDERS FOR OXYGEN ARE CLEANED AND A SAMPLE TESTED PER RR-C-901E. CYLINDERS ARE STAMPED TO INDICATE SUITABILITY FOR OXYGEN USE.
10. CAPACITY IN CU. FT. EXCEPT AS NOTED.
11. LETTER IDENTIFICATION : U
12. MINIMUM THREADS : "J" = 6
13. THIS IS A CONTROLLED DOCUMENT. THE PORTABLE DATA FORMAT (PDF) FILE COPY MUST BE SIGNED TO BE VALID.

PRIMARY PART NUMBER	NECK TYPE	GAS TYPE (REF.)	CAPACITY (REF.)	LUXFER GLAND / THREAD DESIGNATION	GLAND / THREAD DRAWING NUMBER	STAMPING DIAGRAM DRAWING NUMBER
C020	3	CO2	20.00 LBS	(J) 1.125-12UNF-2B	C-SK-579-10	C-SK-577-02


Roger Boisvert
2014.01.22
10:21:22 -05'00'

DESIGN APPROVAL SIGNATURE (PDF FILE COPY)
CONTROLLED DOCUMENT

SECONDARY PART NUMBER	NECK TYPE	GAS TYPE (REF.)	CAPACITY (REF.)	LUXFER GLAND / THREAD DESIGNATION	GLAND / THREAD DRAWING NUMBER	STAMPING DIAGRAM DRAWING NUMBER
C020	3	N2	57.71	(P) 0.750-14NGT	C-SK-579-16	C-SK-577-01
C020	3	CO2	9.07 KG	(AC) 25T BS341	C-SK-579-29	C-SK-577-02
C020	3	CO2	9.07 KG	(AJ) 25E ISO 10920	C-SK-579-35	C-SK-577-02

DESIGN STANDARD	SERVICE PRESSURE MPa	SERVICE PRESSURE PSI	TEST PRESSURE MPa	TEST PRESSURE PSI
DOT-3AL	12.4	1800	20.7	3000
DOT-3AL JAPANESE SERVICE	11.7	1706	19.6	2843

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LUXFER GAS CYLINDERS

SCALE 1=1	LIMITS ON DIM. UNLESS OTHERWISE SPECIFIED ANGULAR ± 1°	BREAK ALL SHARP EDGES UNLESS NOTED 125 FINISH UNLESS NOTED	COMPUTER FILE NAME C020(U).DWG
DATE 6-27-2000	FRACTIONAL ± 1/16 DECIMAL .X JOK JOOK ±.1 ±.02 ±.005	DEFINITIONS : 1. S&E - STANDARD MEASURING INSTRUMENT 2. TC - TOOL CONTROL 3. F&C - FIRST ARTICLE CONTROL	BEVERAGE
DRAWN BY S.VAN WIJEN	USED FOR / ON PART OR SUB-ASSEMBLY NAME & NUMBER		NAME PORTABLE
APPROVED	NUMBER HIGH PRESSURE VESSEL	NUMBER C020-18N80-J3A	REV. T
REF. CHANGE	BY	DATE	SHEET 1 OF 1