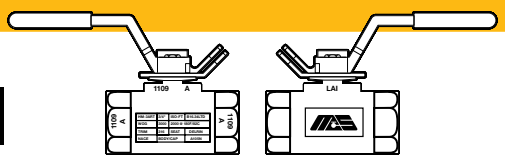
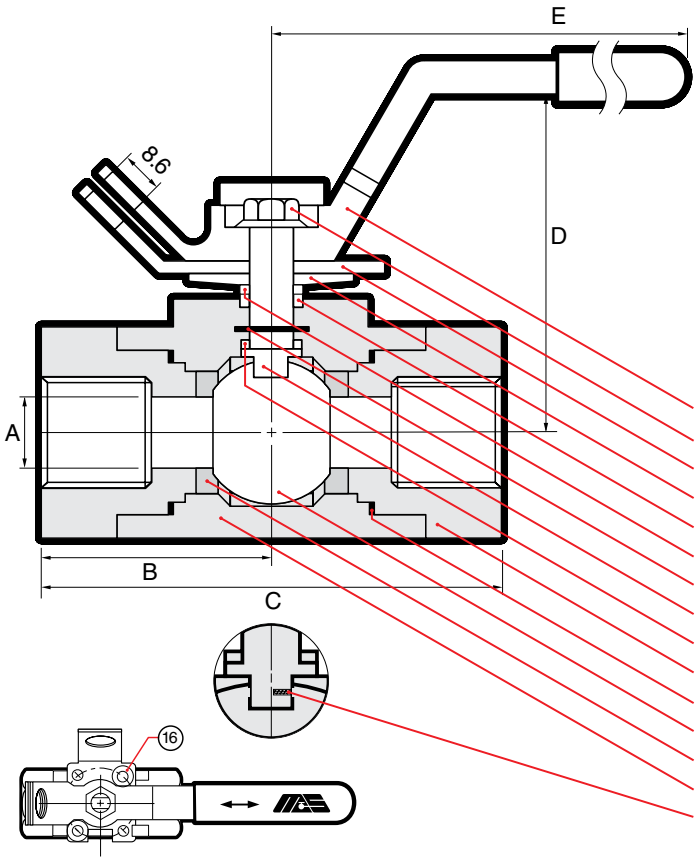
M. A. Stewart & Sons Ltd.
VALVES AND FITTINGS

HM Series Forged Steel 3000 PSI Ball Valves



HM-3ART/LRT

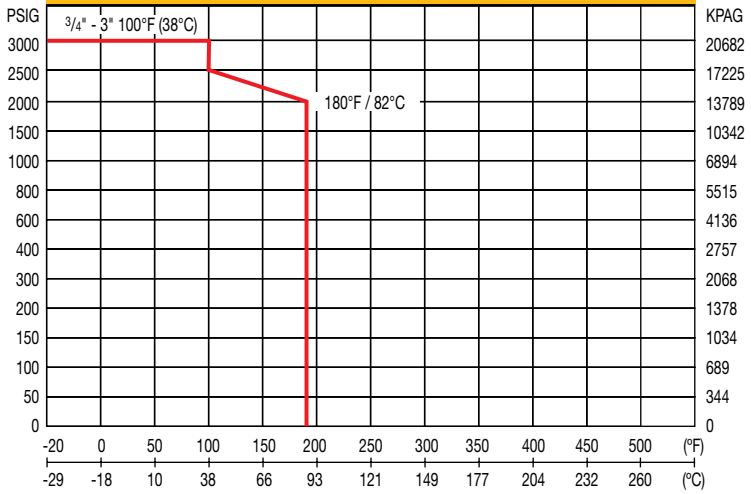
- Reduced Port / Floating Ball
- Three Piece Threaded Body
- LF2 & A105N Forged Steel Construction
- NPT Threads to ANSI B1.20.1
- Blowout Proof Stem
- Anti-Static Design
- Positive Lock-Out Device
- **Fire-Safe Certified to API-607 5th Edition**
- Comply to NACE MR-01-75-2002 & MR-01-03
- 3000 P.S.I W.O.G. (Class 1500 Limited) 3/4"-3"



NAME / MATERIAL		
	ART	LRT
1.	Handle / Ductile Iron	
2.	Handle Nut / A36 C.S. Plated	
3.	Gland Flange / A36 C.S. Plated	
4.	Belleville Washer / S.S. 301	
5.	Packing / Graphite	
6.	Gland / Stainless Steel A276 Type 304	
7.	Stem O-ring / HNBR ($1^1/_2$" - 3")	
8.	Stem / Stainless Steel A276 Type 316	
9.	Thrust Washer / Delrin	
10.	Cap / Forged Steel A105N	A350 GR. LF2
11.	Body O-ring / HNBR	
12.	Ball / Stainless Steel A351 GR. CF8M (316)	
13.	Seat / Delrin	
14.	Body / Forged Steel A105N	A350 GR. LF2
15.	Spring and Pin / Stainless Steel A276 Type 304	
16.	Cap Screw / A36 C.S. Plated	

DIMENSIONS						
size	20	25	32	40	50	80
mm/in	3/4	1	1 1/4	1 1/2	2	3
A	12.7	22.2	22.2	32.0	38.1	50.0
mm/in	0.50	0.87	0.87	1.26	1.50	1.96
B	55.5	54.0	76.0	79.5	79.5	127.0
mm/in	2.19	2.13	2.99	3.13	3.13	5.00
C	111.0	108.0	152.0	159.0	159.0	254.0
mm/in	4.37	4.25	5.98	6.26	6.26	10.00
D	83.0	112.0	112.0	138.0	143.0	177.0
mm/in	3.27	4.41	4.41	5.43	5.63	6.97
E	122.0	172.0	172.0	279.0	279.0	302.0
mm/in	4.80	6.77	6.77	10.98	10.98	11.89
CV	15	35	35	100	175	480
Weights	1.22	1.72	2.43	3.70	5.89	15.25
lb/kg	2.69	3.79	5.36	8.16	12.99	33.62

PRESSURE TEMPERATURE RATING



For A105N low temp limit is -20°F (-29°C)

For LF2 low temp limit is -40°F (-40°C)

Technical data, dimensions, materials & specifications are subject to change without notice.