



1000S SERIES



Two-piece / 1000 PSI
Size: 1/4" - 4" Full Port

FEATURES:

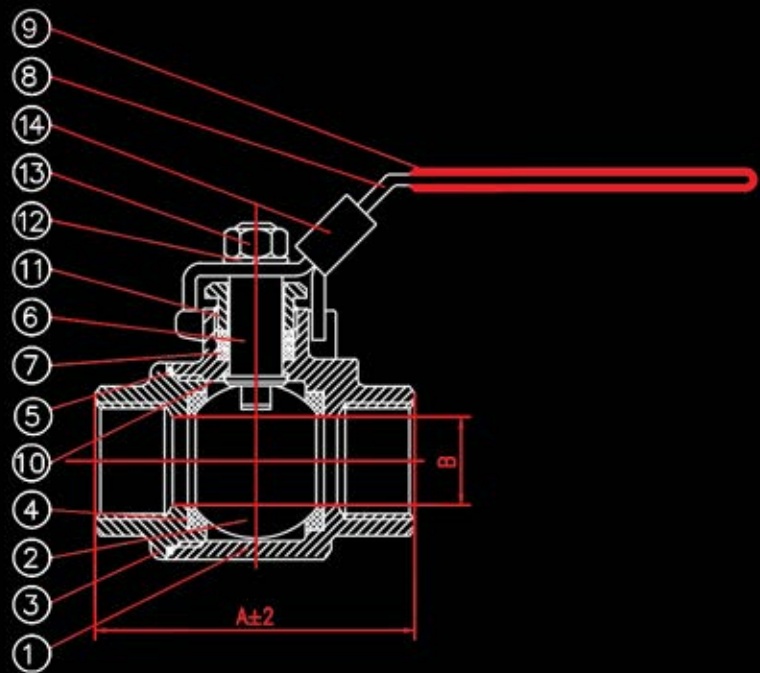
1. Threads Conform to ASME B1.20.1(NPT)
2. Blow Out Proof Stem
3. PTFE/RPTFE Seal and Packing
4. Locking Handle

SPECIFICATIONS/DIMENSIONS: (Inch)

Part Number	Size (NPT)	A	B	KGS	LBS
1000S02	1/4"	54	10	0.22	0.48
1000S03	3/8"	54	12	0.22	0.48
1000S04	1/2"	61	15	0.29	0.63
1000S06	3/4"	70	20	0.43	0.93
1000S08	1"	80	25	0.65	1.41
1000S10	1-1/4"	95	32	1.17	2.54
1000S12	1-1/2"	105	38	1.42	3.09
1000S16	2"	119	50	2.07	4.50
1000S24	3"	167	80	5.10	11.09
1000S32	4"	210	100	9.34	20.30

MATERIAL LIST:

No.	Part Name	Material
1	Body	SS316
2	Ball	SS316
3	End Cap	SS316
4	Seat Ring	PTFE
5	Body Seal	PTFE
6	Stem	SS316
7	Stem Seal	PTFE
8	Handle	SS201
9	Handle Cover	PVC
10	Thrust Washer	RPTFE
11	Gland Nut	SS
12	Handle Washer	SS
13	Handle Nut	A2-70
14	Locking Pad	SS201





2006HLS SERIES



Two-piece / Seal Welded
Size: 1/4" - 4" Full Port

FEATURES:

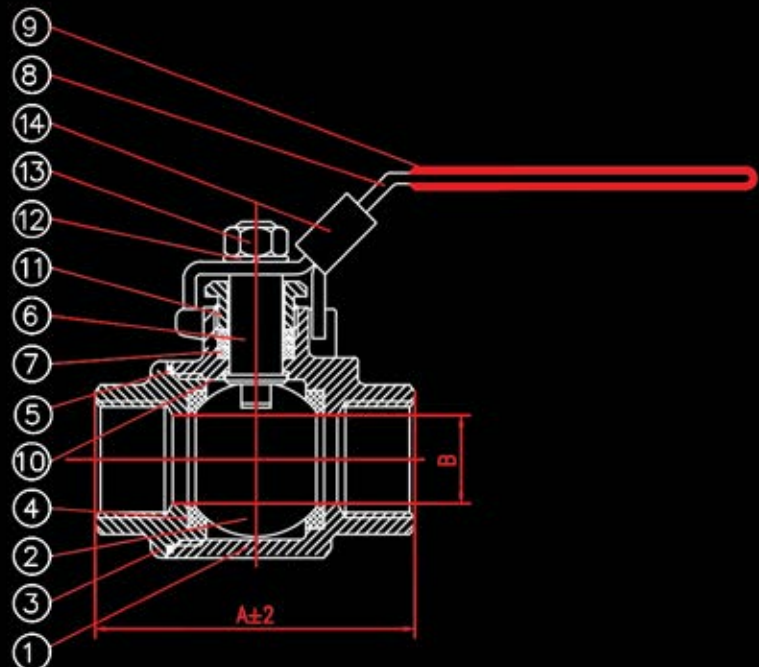
1. 1/4" - 2": 2,000 PSI
2. 3" - 4": 1,000 PSI
3. Threads Conform to ASME B1.20.1(NPT)
4. Blow Out Proof Stem
5. PTFE/RPTFE Seal and Packing
6. Locking Handle

SPECIFICATIONS/DIMENSIONS: (Inch)

Part Number	Size (NPT)	A	B	KGS	LBS
2006HLS02	1/4"	2.38	0.46	0.3	0.6
2006HLS03	3/8"	2.38	0.51	0.3	0.6
2006HLS04	1/2"	2.52	0.59	0.3	0.7
2006HLS06	3/4"	3.03	0.79	0.5	1.2
2006HLS08	1"	3.54	0.98	0.9	1.9
2006HLS10	1-1/4"	3.94	1.26	1.3	2.8
2006HLS12	1-1/2"	4.65	1.55	2.0	4.4
2006HLS16	2"	5.43	1.97	3.1	6.9
2006HLS24	3"	7.6	3.15	10.1	22.3
2006HLS32	4"	10.24	3.94	17.0	37.5

MATERIAL LIST:

No.	Part Name	Material
1	Body	SS316
2	Ball	SS316
3	End Cap	SS316
4	Seat Ring	PTFE
5	Body Seal	PTFE
6	Stem	SS316
7	Stem Seal	PTFE
8	Handle	SS201
9	Handle Cover	PVC
10	Thrust Washer	RPTFE
11	Gland Nut	SS
12	Handle Washer	SS
13	Handle Nut	A2-70
14	Locking Pad	SS201





2006HLC SERIES



Two-piece / Seal Welded
Size: 1/4" - 4" Full Port

FEATURES:

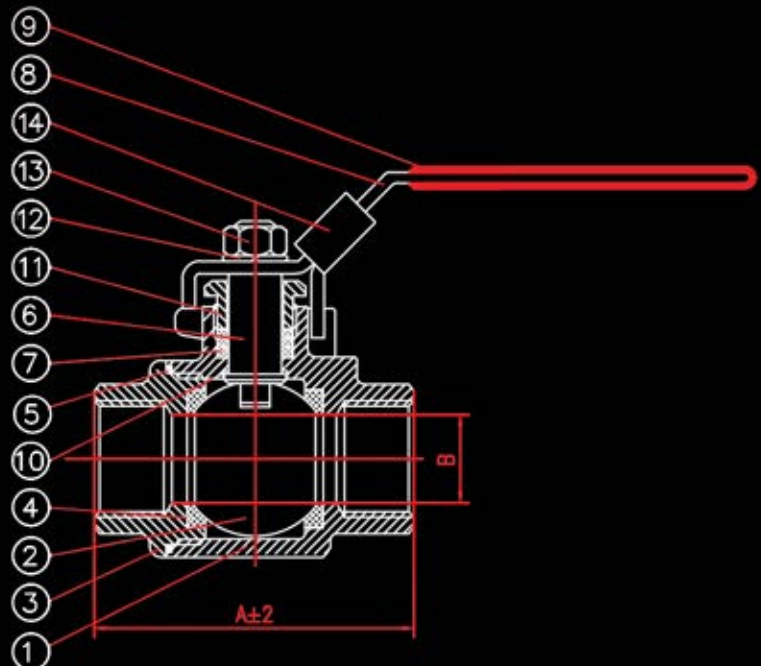
1. 1/4" - 2": 2,000 PSI
2. 3" - 4": 1,000 PSI
3. Threads Conform to ASME B1.20.1(NPT)
4. Blow Out Proof Stem
5. PTFE/RPTFE Seal and Packing
6. Locking Handle

SPECIFICATIONS/DIMENSIONS: (Inch)

Part Number	Size (NPT)	A	B	KGS	LBS
2006HLC02	1/4"	2.38	0.46	0.3	0.6
2006HLC03	3/8"	2.38	0.51	0.3	0.6
2006HLC04	1/2"	2.52	0.59	0.3	0.7
2006HLC06	3/4"	3.03	0.79	0.5	1.2
2006HLC08	1"	3.54	0.98	0.9	1.9
2006HLC10	1-1/4"	3.94	1.26	1.3	2.8
2006HLC12	1-1/2"	4.65	1.55	2.0	4.4
2006HLC16	2"	5.43	1.97	3.1	6.9
2006HLC24	3"	7.6	3.15	10.1	22.3
2006HLC32	4"	10.24	3.94	17.0	37.5

MATERIAL LIST:

No.	Part Name	Material
1	Body	A216
2	Ball	SS316
3	End Cap	A216
4	Seat Ring	RTFE
5	Body Seal	PTFE
6	Stem	SS316
7	Stem Seal	RTFE
8	Handle	SS
9	Handle Cover	PVC
10	Thrust Washer	PTFE
11	Gland Nut	SS
12	Handle Washer	SS
13	Handle Nut	SS
14	Locking Pad	SS





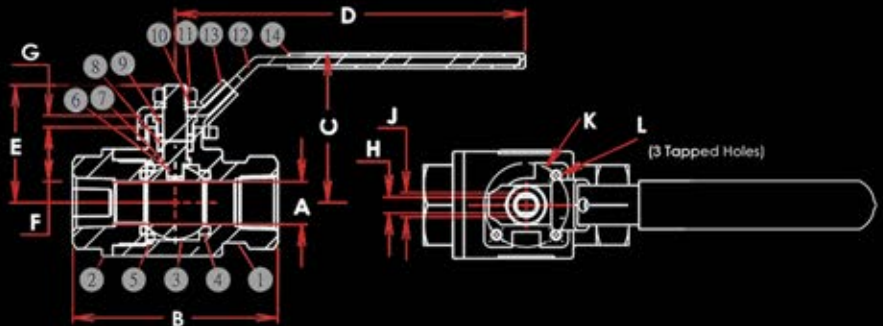
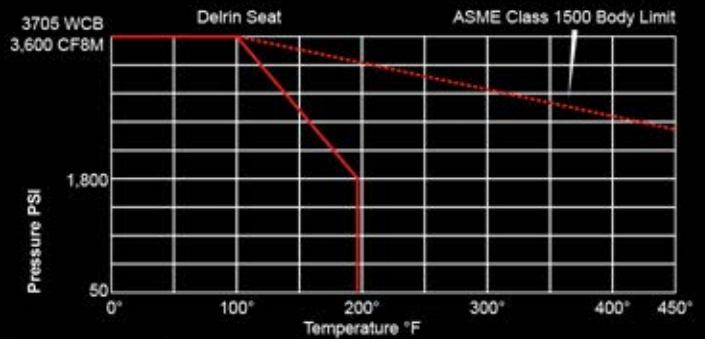
3600S SERIES



Class 1500 NPT Threaded Ball Valve
Two Piece / 3,600 PSI
1/4" - 1-1/2" Full Port - 2" Reduced Port
Features:

1. Investment Casting
2. Wall Thickness - ASME B16.34 Class 1500
3. Floating Ball
4. NACE MR-0175 Compliant
5. Fire-Safe Approved Per API607 5th Ed.
6. ISO 5211 Mounting Pad
7. Locking Lever Handle
8. Seal Welded
9. Pressure Tested to API 598

Pressure Test - BT2HA 36
 Shell Test (Water) - 4,500 PSI
 Seal Test (Water) - 3,300 PSI
 Seat Test (Air) - 85 PSI



Unit: Inch

No.	Part Name	Material	Part Number	Size (NPT)	A	B	C	D	E	F	G	H
1	Body	A351-CF8M	3600S02	1/4"	0.25	3.0	2.22	5.00	1.64	1.00	0.18	0.195
2	Cap	A351-CF8M	3600S03	3/8"	0.50	3.0	2.22	5.00	1.64	1.00	0.18	0.195
3	Ball	A351-CF8M	3600S04	1/2"	0.50	4.0	2.22	5.00	1.64	1.00	0.18	0.195
4	Ball Seat	Delrin	3600S06	3/4"	0.75	4.3	2.89	5.83	2.13	1.32	0.21	0.274
5	Joint Gasket	Graphite	3600S08	1"	1.00	4.8	3.50	8.19	2.81	1.76	0.28	0.374
6	Stem	A276-316	3600S12	1-1/2"	1.50	5.3	4.34	10.16	3.85	2.50	0.34	0.392
7	Thrust Washer	Delrin	3600S16	2"	1.50	6.3	4.34	10.16	3.85	2.50	0.34	0.392
8	Stem Packing	Graphite										
9	Gland Nut	AISI 304										
10	Spring Washer	AISI 304										
11	Stem Nut	AISI 304										
12	Handle	AISI 304										
13	Locking Device	AISI 304										
14	Handle Cover	PVC										

Part Number	J	K	L	ISO 5211	Weight (KGS)	Cv	Max Torque
3600S02	0.311	1.417	1/4-20 UNC	F03	0.634	10	75 in-lb
3600S03	0.311	1.417	1/4-20 UNC	F03	0.620	10	75 in-lb
3600S04	0.311	1.417	1/4-20 UNC	F03	0.737	16	75 in-lb
3600S06	0.436	1.654	1/4-20 UNC	F04	1.301	32	120 in-lb
3600S08	0.559	1.969	1/4-20 UNC	F05	2.122	62	400 in-lb
3600S12	0.623	2.756	5/16-18 UNC	F07	4.590	140	750 in-lb
3600S16	0.623	2.756	5/16-18 UNC	F07	5.633	120	750 in-lb



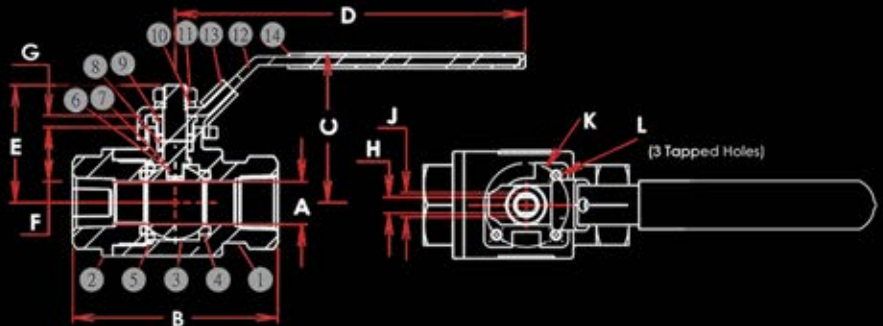
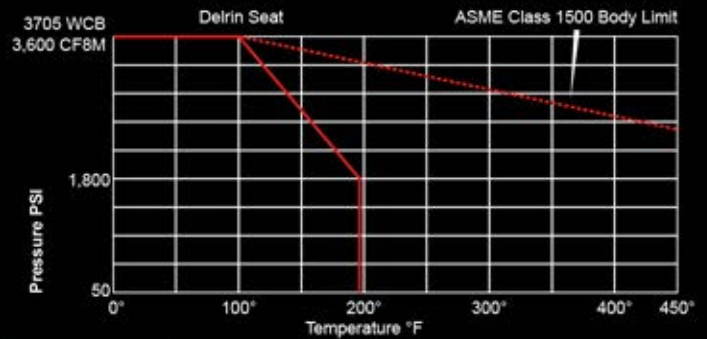
3600C SERIES



Class 1500 NPT Threaded Ball Valve
Two Piece / 3,600 PSI
1/4" - 1-1/2" Full Port - 2" Reduced Port
Features:

1. Investment Casting
2. Wall Thickness - ASME B16.34 Class 1500
3. Floating Ball
4. NACE MR-0175 Compliant
5. Fire-Safe Approved Per API607 5th Ed.
6. ISO 5211 Mounting Pad
7. Locking Lever Handle
8. Seal Welded
9. Pressure Tested to API 598

Pressure Test - BT2HA 36
 Shell Test (Water) - 4,500 PSI
 Seal Test (Water) - 3,300 PSI
 Seat Test (Air) - 85 PSI



Unit: Inch

No.	Part Name	Material
1	Body	A216-WCB
2	Cap	A216-WCB
3	Ball	A351-CF8M
4	Ball Seat	Delrin
5	Joint Gasket	Graphite
6	Stem	A276-316
7	Thrust Washer	Delrin
8	Stem Packing	Graphite
9	Gland Nut	AISI 304
10	Spring Washer	AISI 304
11	Stem Nut	AISI 304
12	Handle	AISI 304
13	Locking Device	AISI 304
14	Handle Cover	PVC

Part Number	Size (NPT)	A	B	C	D	E	F	G	H
3600C02	1/4"	0.25	3.0	2.22	5.00	1.64	1.00	0.18	0.195
3600C03	3/8"	0.50	3.0	2.22	5.00	1.64	1.00	0.18	0.195
3600C04	1/2"	0.50	4.0	2.22	5.00	1.64	1.00	0.18	0.195
3600C06	3/4"	0.75	4.3	2.89	5.83	2.13	1.32	0.21	0.274
3600C08	1"	1.00	4.8	3.50	8.19	2.81	1.76	0.28	0.374
3600C12	1-1/2"	1.50	5.3	4.34	10.16	3.85	2.50	0.34	0.392
3600C16	2"	1.50	6.3	4.34	10.16	3.85	2.50	0.34	0.392

Part Number	J	K	L	ISO 5211	Weight (KGS)	Cv	Max Torque
3600C02	0.311	1.417	1/4-20 UNC	F03	0.634	10	75 in-lb
3600C03	0.311	1.417	1/4-20 UNC	F03	0.620	10	75 in-lb
3600C04	0.311	1.417	1/4-20 UNC	F03	0.737	16	75 in-lb
3600C06	0.436	1.654	1/4-20 UNC	F04	1.301	32	120 in-lb
3600C08	0.559	1.969	1/4-20 UNC	F05	2.122	62	400 in-lb
3600C12	0.623	2.756	5/16-18 UNC	F07	4.590	140	750 in-lb
3600C16	0.623	2.756	5/16-18 UNC	F07	5.633	120	750 in-lb



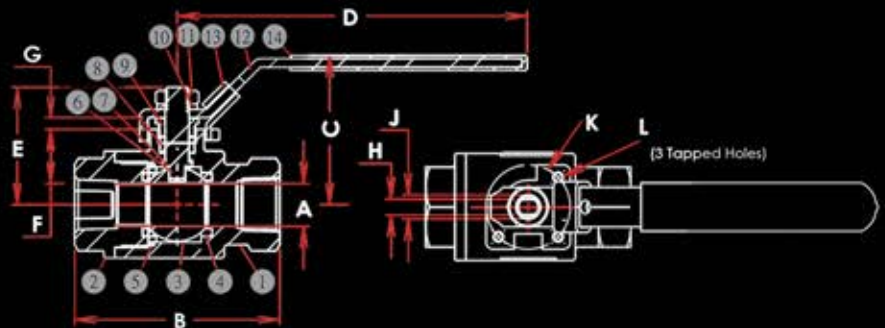
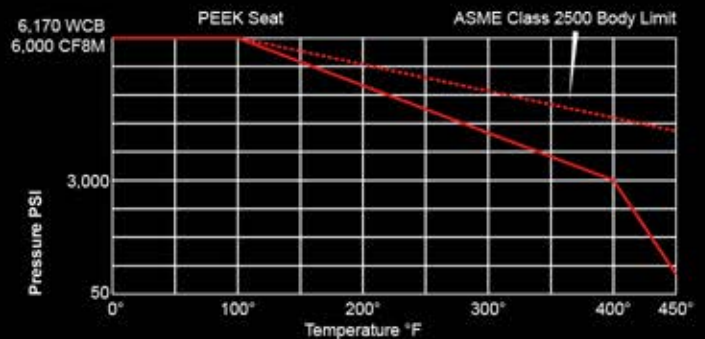
6000S SERIES



Class 2500 NPT Threaded Ball Valve
Two Piece / 6,000 PSI
1/4" - 1-1/2" Full Port - 2" Reduced Port
Features:

1. Investment Casting
2. Wall Thickness - ASME B16.34 Class 2500
3. Floating Ball
4. NACE MR-0175 Compliant
5. Fire-Safe Approved Per API607 5th Ed.
6. ISO 5211 Mounting Pad
7. Locking Lever Handle
8. Seal Welded
9. Pressure Tested to API 598

Pressure Test - BT2HA 60
 Shell Test (Water) - 9,000 PSI
 Seal Test (Water) - 6,600 PSI
 Seat Test (Air) - 85 PSI



Unit: Inch

No.	Part Name	Material	Part Number	Size (NPT)	A	B	C	D	E	F	G	H
1	Body	A351-CF8M	6000S02	1/4"	0.25	3.0	2.22	5.00	1.64	1.00	0.18	0.195
2	Cap	A351-CF8M	6000S03	3/8"	0.50	3.0	2.22	5.00	1.64	1.00	0.18	0.195
3	Ball	A351-CF8M	6000S04	1/2"	0.50	4.0	2.22	5.00	1.64	1.00	0.18	0.195
4	Ball Seat	PEEK	6000S06	3/4"	0.75	4.3	2.89	5.83	2.13	1.32	0.21	0.274
			6000S08	1"	1.00	4.8	3.50	8.19	2.81	1.76	0.28	0.374
5	Joint Gasket	Graphite	6000S12	1-1/2"	1.50	5.3	4.26	14.20	3.85	2.50	0.34	0.392
6	Stem	A276-316	6000S16	2"	1.50	6.3	4.26	14.20	3.85	2.50	0.34	0.392
7	Thrust Washer	PEEK										
8	Stem Packing	Graphite										
9	Gland Nut	AISI 304										
10	Spring Washer	AISI 304										
11	Stem Nut	AISI 304										
12	Handle	AISI 304										
13	Locking Device	AISI 304										
14	Handle Cover	PVC										

Part Number	J	K	L	ISO 5211	Weight (KGS)	Cv	Max Torque
6000S02	0.311	1.417	1/4-20 UNC	F03	0.72	10	100 in-lb
6000S03	0.311	1.417	1/4-20 UNC	F03	0.70	10	100 in-lb
6000S04	0.311	1.417	1/4-20 UNC	F03	1.08	16	140 in-lb
6000S06	0.436	1.654	1/4-20 UNC	F04	1.73	32	270 in-lb
6000S08	0.559	1.969	1/4-20 UNC	F05	3.06	62	700 in-lb
6000S12	0.623	2.756	5/16-18 UNC	F07	6.62	140	1200 in-lb
6000S16	0.623	2.756	5/16-18 UNC	F07	8.20	120	1200 in-lb



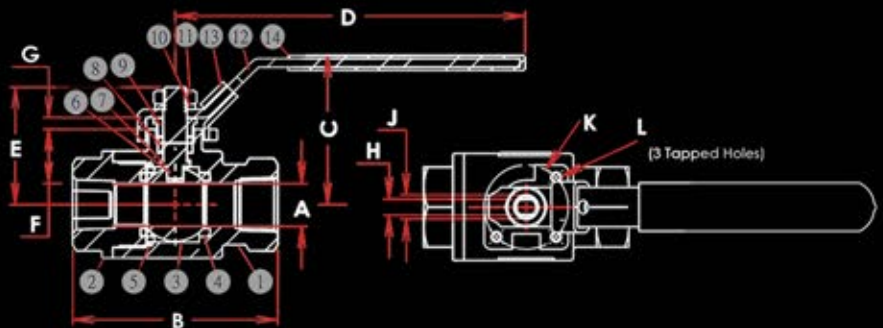
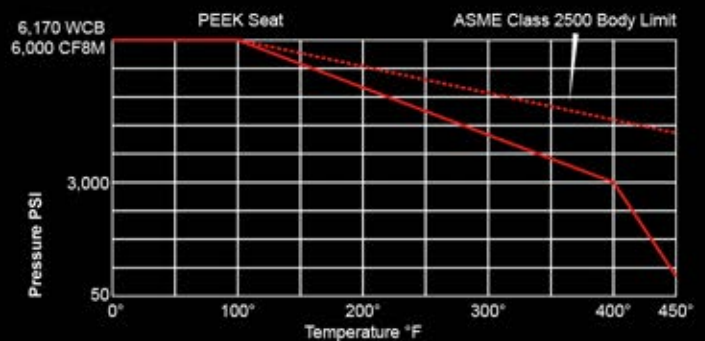
6000C SERIES



Class 2500 NPT Threaded Ball Valve
Two Piece / 6,000 PSI
1/4" - 1-1/2" Full Port - 2" Reduced Port
Features:

1. Investment Casting
2. Wall Thickness - ASME B16.34 Class 2500
3. Floating Ball
4. NACE MR-0175 Compliant
5. Fire-Safe Approved Per API607 5th Ed.
6. ISO 5211 Mounting Pad
7. Locking Lever Handle
8. Seal Welded
9. Pressure Tested to API 598

Pressure Test - BT2HA 60
 Shell Test (Water) - 9,000 PSI
 Seal Test (Water) - 6,600 PSI
 Seat Test (Air) - 85 PSI



Unit: Inch

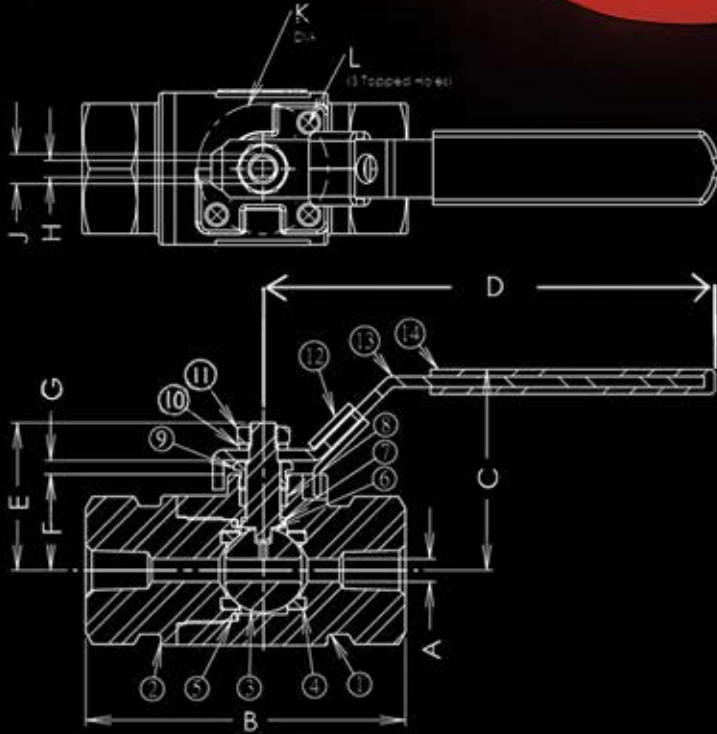
No.	Part Name	Material
1	Body	A216-WCB
2	Cap	A216-WCB
3	Ball	A351-CF8M
4	Ball Seat	PEEK
5	Joint Gasket	Graphite
6	Stem	A276-316
7	Thrust Washer	PEEK
8	Stem Packing	Graphite
9	Gland Nut	AISI 304
10	Spring Washer	AISI 304
11	Stem Nut	AISI 304
12	Handle	AISI 304
13	Locking Device	AISI 304
14	Handle Cover	PVC

Part Number	Size (NPT)	A	B	C	D	E	F	G	H
6000C02	1/4"	0.25	3.0	2.22	5.00	1.64	1.00	0.18	0.195
6000C03	3/8"	0.50	3.0	2.22	5.00	1.64	1.00	0.18	0.195
6000C04	1/2"	0.50	4.0	2.22	5.00	1.64	1.00	0.18	0.195
6000C06	3/4"	0.75	4.3	2.89	5.83	2.13	1.32	0.21	0.274
6000C08	1"	1.00	4.8	3.50	8.19	2.81	1.76	0.28	0.374
6000C12	1-1/2"	1.50	5.3	4.26	14.20	3.85	2.50	0.34	0.392
6000C16	2"	1.50	6.3	4.26	14.20	3.85	2.50	0.34	0.392

Part Number	J	K	L	ISO 5211	Weight (KGS)	Cv	Max Torque
6000C02	0.311	1.417	1/4-20 UNC	F03	0.72	10	100 in-lb
6000C03	0.311	1.417	1/4-20 UNC	F03	0.70	10	100 in-lb
6000C04	0.311	1.417	1/4-20 UNC	F03	1.08	16	140 in-lb
6000C06	0.436	1.654	1/4-20 UNC	F04	1.73	32	270 in-lb
6000C08	0.559	1.969	1/4-20 UNC	F05	3.06	62	700 in-lb
6000C12	0.623	2.756	5/16-18 UNC	F07	6.62	140	1200 in-lb
6000C16	0.623	2.756	5/16-18 UNC	F07	8.20	120	1200 in-lb

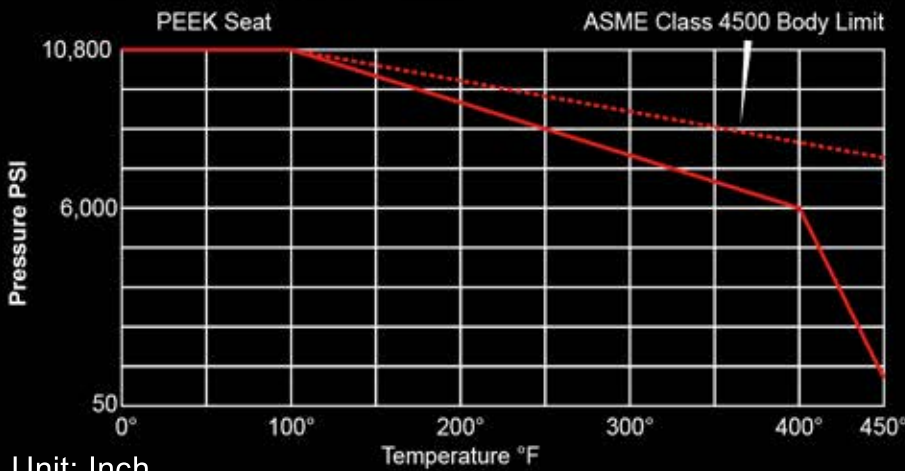


10000S SERIES



Class 4500 NPT Threaded Ball Valve Two Piece / 10,000 PSI 1/4" Full Port - 3/8" - 1/2" Reduced Port Features:

1. Wall Thickness - ASME B16.34 Class 4500
2. Floating Ball
3. NACE MR-0175 Compliant
4. ISO 5211 Mounting Pad
5. Locking Lever Handle
6. Seal Welded
7. Pressure Tested to API 598



Unit: Inch

Part Number	Size (NPT)	A	B	C	D	E	F	G	H
10000S02	1/4"	0.25	3.54	2.22	5.00	1.63	1.06	0.15	0.195
10000S03	3/8"	0.25	3.54	2.22	5.00	1.63	1.06	0.15	0.195
10000S04	1/2"	0.38	4.0	2.22	5.00	1.63	1.06	0.15	0.195

Part Number	J	K	L	ISO 5211	Weight (Lbs.)	Cv	Max Torque
10000S02	0.311	1.417	1/4-20 UNC	F03	2.12	10	100 in-lb
10000S03	0.311	1.417	1/4-20 UNC	F03	2.04	10	100 in-lb
10000S04	0.311	1.417	1/4-20 UNC	F03	2.89	16	140 in-lb

No.	Part Name	Material
1	Body	A351-CF8M
2	Cap	A351-CF8M
3	Ball	A351-CF8M
4	Ball Seat	PEEK
5	Joint Gasket	Graphite
6	Stem	A276-316
7	Thrust Washer	PEEK
8	Stem Packing	Graphite
9	Gland Nut	AISI 304
10	Spring Washer	AISI 304
11	Stem Nut	AISI 304
12	Handle	AISI 304
13	Locking Device	AISI 304
14	Handle Cover	PVC