

Building connections that last™



Q OILFLD QVA

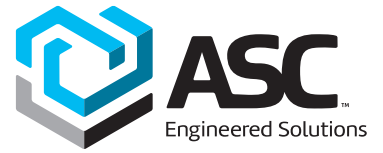
Series Q Threaded Oilfield Ball Valves Datasheet



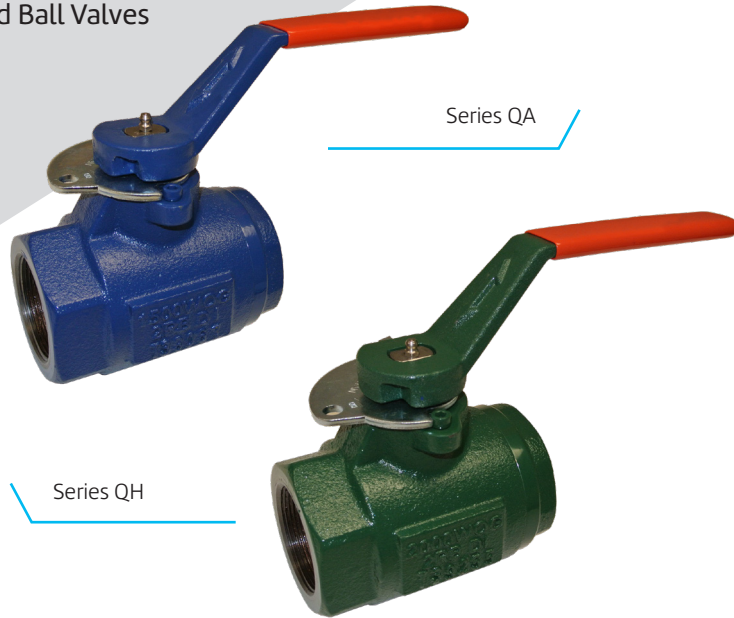
QUADRANT
An ASC Engineered Solution

Series Q Threaded Oilfield Ball Valves

Q OILFLD QVA



Series QA & QH
Threaded Ductile Iron
Oilfield Ball Valves



Series Q Threaded Oilfield Ball Valves

Series QA/QH

Standard Features and Dimensional Data 2
Parts, Materials and Engineering Data 3

Series QC/QB/QX

Standard Features and Dimensional Data 4
Parts, Materials and Engineering Data 5

Series QE

Standard Features and Dimensional Data 6
Parts, Materials and Engineering Data 7

Standard Features

Series QA: 1" FP thru 4" RP
at 1000 to 1500 psi WOG

Series QH: 1" FP thru 2" FP
at 2000 psi WOG

- 316 Stainless Steel Trim
- Locking Devices for Added Security
- Two-Piece Construction
- Rugged Handle and Superior Wall Thickness for Tough Oilpatch Applications
- Blowout Proof Backseated Stem Design for Added Safety
- Grease Fitting on Stem Allows Constant Lubrication and Protection Against Corrosion and Moisture
- Meets NACE MR0175 2002

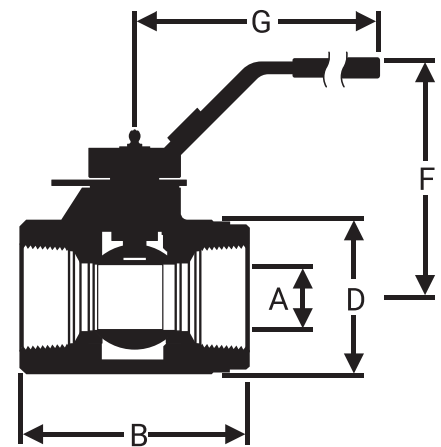
Dimensional Data (in.)

Series QA, ASTM A395 Ductile Iron

Size	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	1500	1	4	2 ²⁷ / ₆₄	3 ⁹ / ₆₄	6 ¹⁹ / ₆₄	4
1½" FP	1500	1½	5½	3½	5 ¹⁷ / ₃₂	8½	13
2" RP	1500	1½	5½	3½	5 ¹⁷ / ₃₂	8½	13
2" FP	1500	2	6	4 ¹⁹ / ₆₄	5 ²⁹ / ₃₂	8½	20
2½" FP	1500	2 ⁹ / ₁₆	7	5 ¹³ / ₆₄	6 ¹⁹ / ₃₂	15	30
3" RP	1500	2	7 ¹⁹ / ₆₄	4 ²⁹ / ₆₄	5 ²⁹ / ₃₂	8½	19
3" FP	1000	3	8¾	5 ⁵ / ₈	6 ⁷ / ₈	15	44
4" RP	1000	3	8¾	5 ⁵ / ₈	6 ⁷ / ₈	15	40

Series QH, ASTM A395 Ductile Iron

Size	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	2000	1	4	2 ²⁷ / ₆₄	3 ⁹ / ₆₄	6 ¹⁹ / ₆₄	4
1½" FP	2000	1½	5½	3½	5 ¹⁷ / ₃₂	8½	13
2" RP	2000	1½	5½	3½	5 ¹⁷ / ₃₂	8½	13
2"FP	2000	2	6	4 ¹⁹ / ₆₄	5 ²⁹ / ₃₂	8½	20

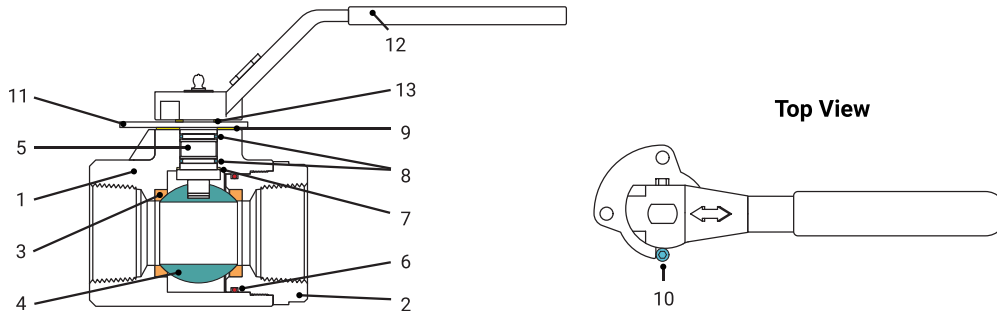


Series Q Threaded Oilfield Ball Valves

Q OILFLD QVA

Series QA and QH Threaded Ductile Iron Oilfield Ball Valves

Parts, Materials and Engineering Data

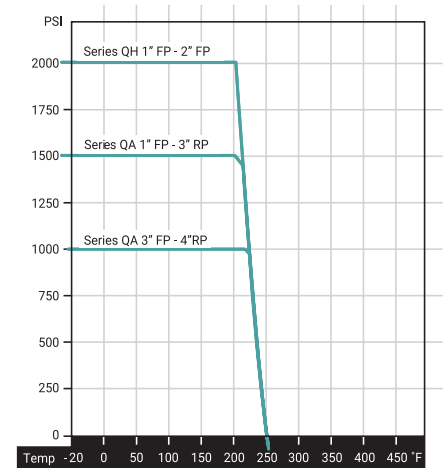


Parts and Materials

No.	Qty.	Description	Materials, Series QA/QH
1	1	Body	ASTM A395 Ductile Iron
2	1	Adapter	ASTM A395 Ductile Iron
3	2	Seat	Nylon + MOS ₂
4	1	Ball	316 Stainless Steel
5	1	Stem	316 Stainless Steel
6	1	Body Seal	Viton®
7	1	Thrust Bearing	PTFE
8	2	Stem Seal	Viton®
9	1	Spacer	PTFE
10	1	Stop Screw	Steel
11	1	Stop Plate	Steel Cadmium Plated
12	1	Handle	Carbon Steel
13	1	Retainer	Spring Steel

Note: We reserve the right to change materials and specifications.

Pressure Temperature



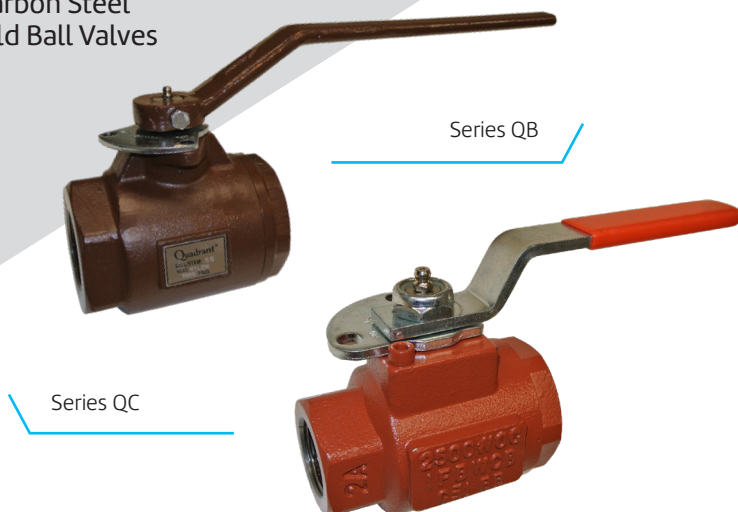
Break Torques (ft.-lbs.)

Size							
1" FP	1 1/2" FP	2" RP	2" FP	2 1/2" RP	3" RP	3" FP	4" RP
29	50	50	94	94	94	152	152

Series Q Threaded Oilfield Ball Valves

Q OILFLD QVA

Series QC, QB, &
QX Carbon Steel
Oilfield Ball Valves



Standard Features

Series QC: 1" FP thru 4" RP at 1500 to 2500 psi WOG

Series QB: 1" FP thru 2" FP at 3000 psi WOG

Series QX: 2" RP at 5000 psi WOG

- 316 Stainless Steel Trim
- Locking Devices for Added Security
- Two-Piece Construction
- Rugged Handle and Superior Wall Thickness for Tough Oilpatch Applications
- Blowout Proof Backseated Stem Design for Added Safety
- Grease Fitting on Stem Allows Constant Lubrication and Protection Against Corrosion and Moisture
- Meets NACE MR0175 2002

Dimensional Data (in.)

Series QC, ASTM A216 Gr. WCB

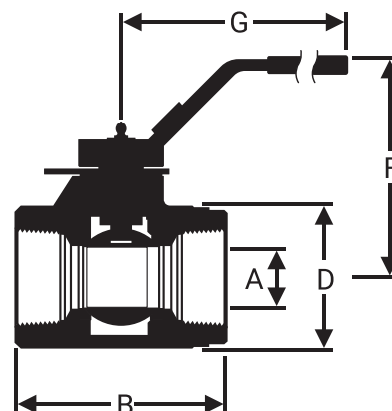
Size	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	2500	1	4	2 ²⁷ / ₆₄	3 ⁹ / ₆₄	6 ¹⁹ / ₆₄	4
1 1/2" FP	2500	1 1/2	5 1/2	3 1/2	5 ¹⁷ / ₃₂	8 1/2	14
2" RP	2500	1 1/2	5 1/2	3 1/2	5 ¹⁷ / ₃₂	8 1/2	13
2" FP	2500	2	6	4 ¹⁹ / ₆₄	5 ²⁹ / ₃₂	8 1/2	20
2 1/2" FP	2500	2 9/16	7	5 ¹³ / ₆₄	6 ¹⁹ / ₃₂	15	32
3" RP	2500	2	7 ¹⁹ / ₆₄	4 ²⁹ / ₆₄	5 ²⁹ / ₃₂	8 1/2	23
3" FP	1500	3	8 3/4	5 5/8	6 7/8	15	50
4" RP	1500	3	8 3/4	5 5/8	6 7/8	15	45
4" FP	750	4 1/16	9 3/8	7 1/2	7 7/8	18 7/64	71

Series QB, ASTM A216 Gr. WCB

Size	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
1" FP	3000	1	4	2 ²⁷ / ₆₄	3 ⁹ / ₆₄	6 ¹⁹ / ₆₄	4
1 1/2" FP	3000	1 1/2	5 1/2	3 1/2	5 ¹⁷ / ₃₂	8 1/2	14
2" RP	3000	1 1/2	5 1/2	3 1/2	5 ¹⁷ / ₃₂	8 1/2	13
2" FP	3000	2	6	4 ¹⁹ / ₆₄	5 ²⁹ / ₃₂	8 1/2	20

Series QX, ASTM A216 Gr. WCB

Size	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
2" RP	5000	1 1/2	5 1/2	3 1/2	5 ¹⁷ / ₃₂	8 1/2	15



Series Q Threaded Oilfield Ball Valves

Q OILFLD QVA

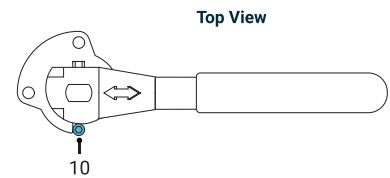
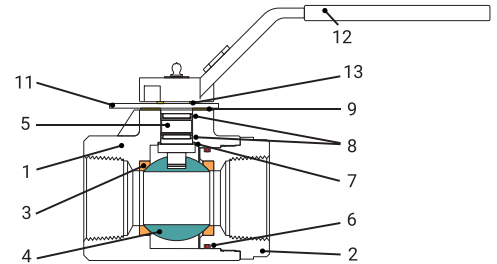


Series QC, QB, & QX Carbon Steel Oilfield Ball Valves

Parts, Materials and Engineering Data

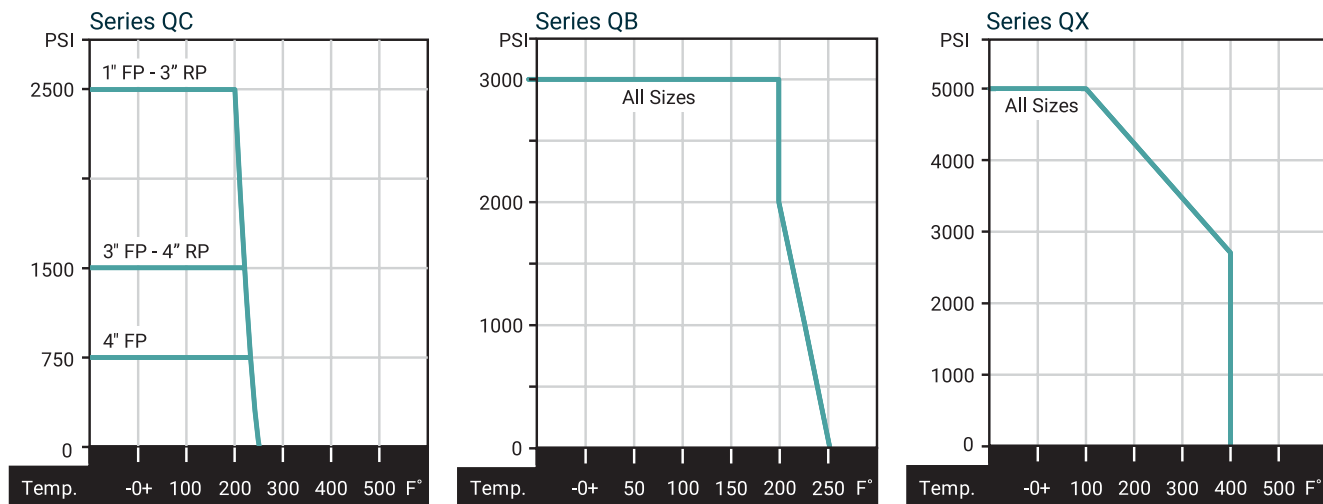
Parts and Materials

No.	Qty.	Description	Series QC	Series QB	Series QX
1	1	Body	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB
2	1	Adapter	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB	ASTM A216 Gr. WCB
3	2	Seat	Nylon + MOS ₂	Nylon + MOS ₂	PEEK™
4	1	Ball	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
5	1	Stem	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
6	1	Body Seal	Viton®	Viton®	Viton®
7	1	Thrust Bearing	PTFE	PTFE	PTFE
8	2	Stem Seal	Viton®	Viton®	Viton®
9	1	Spacer	PTFE	PTFE	PTFE
10	1	Stop Screw	Steel	Steel	Steel
11	1	Stop Plate	Steel Cadmium Plated	Steel Cadmium Plated	Steel Cadmium Plated
12	1	Handle	Carbon Steel	Carbon Steel	Carbon Steel
13	1	Retainer	Spring Steel	Spring Steel	Spring Steel



Note: We reserve the right to change materials and specifications.

Pressure Temperature



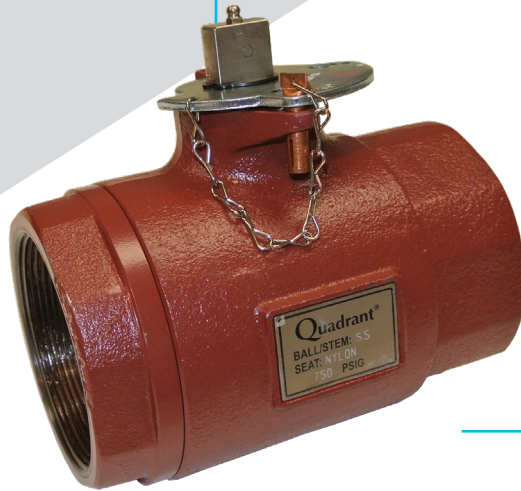
Break Torques (ft.-lbs.)

Size								
1" FP	1½" FP	2" RP	2" FP	2½" RP	3" RP	3" FP	4" RP	4" RP
29	50	50	94	94	94	152	152	250

Series Q Threaded Oilfield Ball Valves

Q OILFLD QVA

Series QE Ductile Iron
Oilfield Ball Valves



Series QE

Standard Features

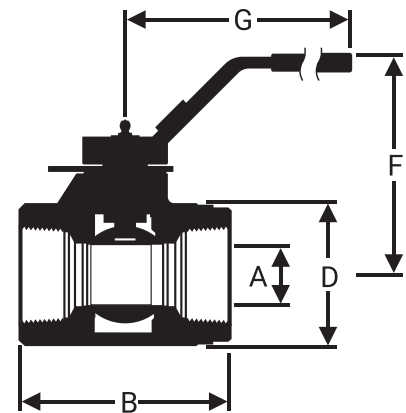
Series QE: 2", 3" and 4" RP at 750 to 1000 psi WOG

- 316 Stainless Steel Trim
- Two-Piece Construction
- Blowout Proof Stem Design
- Grease Fitting on Stem Allows Constant Lubrication and Protection Against Corrosion and Moisture
- Reinforced Second Generation High Performance Teflon® TFM Seat
- Meets NACE MR0175 2002
- Dual Locking Devices are Standard
- Ideally Suited for Tank Battery and Production Lines

Dimensional Data (in.)

Series QE, ASTM A395 Ductile Iron

Size	Pressure (psi)	A	B	D	F	G	Weight (lbs.)
2" RP	1000	1½	5½	3½	5 ¹⁷ / ₃₂	8½	13
3" RP	750	2	7 ¹⁹ / ₆₄	4 ²⁹ / ₆₄	5 ²⁹ / ₃₂	8½	17
4" RP	750	3	8¾	5 ⁵ / ₈	6 ⁷ / ₈	15	36



All Series Q Valves are Manufactured in Strict Conformance with the Following Industry Standards:

- ISO 9001 Quality System
- NACE MR01-75 2002 Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment
- Canadian Registration Number (CRN), Products Registered in all Provinces and Territories.

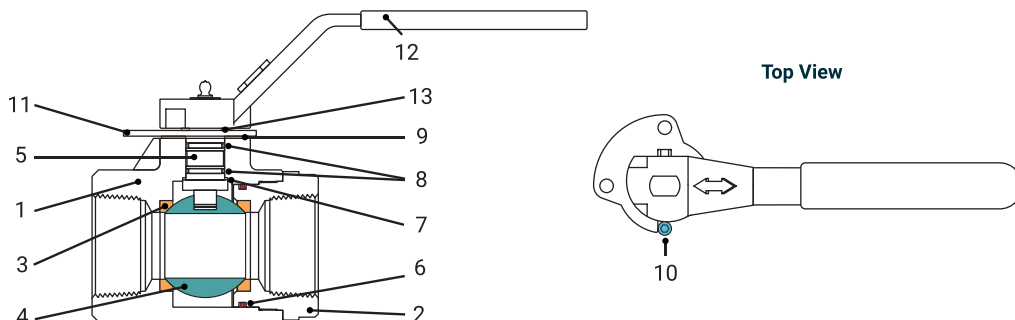


Series Q Threaded Oilfield Ball Valves

Q OILFLD QVA

Series QE Ductile Iron Oilfield Ball Valves

Parts, Materials and Engineering Data

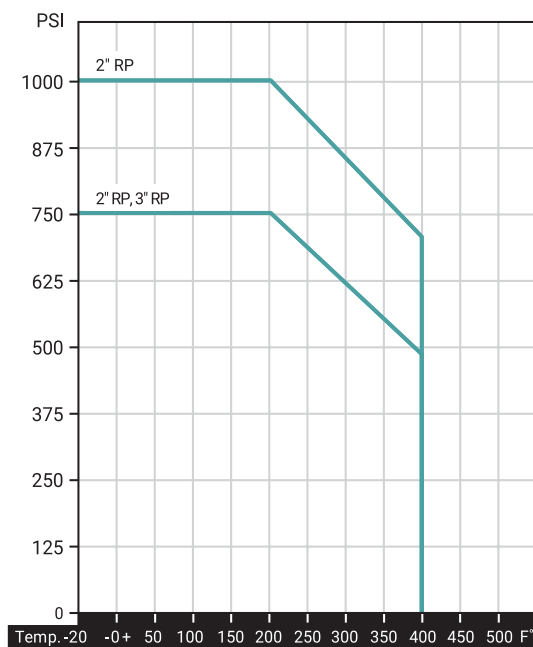


Parts and Materials

No.	Qty.	Description	Materials, Series QE
1	1	Body	ASTM A395 Ductile Iron
2	1	Adapter	ASTM A395 Ductile Iron
3	2	Seat	TFMC
4	1	Ball	316 Stainless Steel
5	1	Stem	316 Stainless Steel
6	1	Body Seal	Viton®
7	1	Thrust Bearing	PTFE
8	2	Stem Seal	Viton®
9	1	Spacer	PTFE
10	1	Stop Screw	Steel
11	1	Stop Plate	Steel Cadmium Plated
12	1	Handle	Carbon Steel
13	1	Retainer	Spring Steel
14	1	Chain	Carbon Steel
15	1	Ribbon Lock	Copper Tube

Note: We reserve the right to change materials and specifications.

Pressure Temperature



Break Torques (ft.-lbs.)

Size		
2" RP	3" RP	4" RP
50	94	152

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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