



BUHLMANN

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PRODUCT RANGE

Everything for your needs

Pipes, Fittings, Flanges, Valves, Bars, Forgings and more



PIPES

DIN/EN PIPES

| | |
|--------------------------|---|
| Standards: | All common pipe standards on the market |
| Options: | Seamless and welded |
| Dimensions: | 6 to 2,000 millimetres as well as all other standardized and non-standardized diameters |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | P235GH TC1 & TC2, P265GH TC1 & TC2, P235TR1, S355J2H P215NL (TTSt35N), P255QL, P265NL, 12Ni14 P275NL1/NL2, P355N/NH/NL1/NL2, P460N/NH/NL1/NL2 16Mo3, 13CrMo4-5, 10CrMo9-10, X11CrMo5 (12CrMo19-5), X11CrMo9-1, 14MoV6-3 X10CrMoVNb9-1, X10CrWMoVNb9-2, X20CrMoV11-1, 15NiCuMoNb5-6-4 (WB36), Thor® 115 L245NE, L290NE, L360NE, L415NE, L450QE/ME, L485QE/ME – PSL 2 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541, 1.4878, 1.4571, 1.4539, 1.4845, 1.4438, 1.4550, 1.4908 1.4462 (duplex), 1.4410, 1.4501 (super duplex) Precision tubes according to EN 10216-5 with tolerances according to EN 10305-1 Nickel-based materials, titanium, copper-nickel (CuNi), centrifugal casting, aluminium |

ASTM/ASME/API PIPES

| | |
|--------------------------|---|
| Standards: | All common pipe standards on the market |
| Options: | Seamless and welded |
| Dimensions: | 1/8 to 60 inch and all other standardized and non-standardized diameters |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | A/SA-53 Grade B, A/SA-106 Grade B, Grade C A/SA-333 Grade 3, Grade 6 A/SA-335 Grade P1, P5, P9, P11, P12, P22, P91, P92 API 5L Grade B/L245, X42/L290, X52/L360, X60/L415, X65/L450, X70/L485 – PSL 1/PSL 2 A/SA-312 TP304/L/H/LN, TP316/L/H/LN, TP321/H, TP316Ti, UNS N08904 (904L), TP310S, TP317/L/LN, TP347/H/HFG A/SA-790 UNS S31803 (duplex), UNS S32750, S32760 (super duplex) Tubing according to A213 and A269 (tolerances according to A1016 and EN 10305-1) Nickel-based materials, titanium, copper-nickel (CuNi), centrifugal casting, aluminium and welded pipes according to A358 |

EXTRAS

- Sawing, milling, drilling, machining, coating, shot-blasting and beveling
- Marking to customer specifications
- Drilling of special-purpose pipes in special designs
- Additional acceptance tests in our own testing laboratory (MT Laboratories Duisburg)



FITTINGS

DIN/EN FITTINGS

| | |
|--------------------------|--|
| Standards: | All common and standardized elbows and fittings |
| Options: | Seamless and welded |
| Dimensions: | 12 to 2,000 millimetres as well as all other standardized and non-standardized dimensions |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | P235GH TC1 & TC2, P265GH TC1 & TC2, P235TR1, S355J2H |
| | P215NL (TTSt35N/V), P255QL, P265NL, 12Ni14 |
| | P275N/NH/NL1/NL2, P355N/NH/NL1/NL2, P460N/NH/NL1/NL2 |
| | 16Mo3, 13CrMo4-5, 10CrMo9-10, X11CrMo5 (12CrMo19-5), X11CrMo9-1, 14MoV6-3 |
| | X10CrMoVNb9-1, X10CrWMoVNb9-2, X20CrMoV11-1, VM12, 15NiCuMoNb5-6-4 (WB36) |
| | L245NE, L290NE, L360NE, L415NE, L450NE/QE/ME, L485QE/ME |
| | 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541, 1.4878, 1.4571, 1.4539, 1.4845, 1.4438, 1.4550, 1.4908 |
| | 1.4462 (duplex), 1.4410, 1.4501 (super duplex) |
| | Nickel-based materials, titanium, cooper-nickel (CuNi), aluminium |

ASTM-/ASME-FITTINGS

| | |
|--------------------------|---|
| Standards: | All common and standardized elbows and fittings |
| Options: | Seamless and welded |
| Dimensions: | ½ to 60 inch and all other standardized and non-standardized diameters |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | A/SA-234 Grade WPB, WPC (P265GH) |
| | A/SA-420 Grade WPL 3, WPL 6 |
| | A/SA-234 Grade WP1, WP5, WP9, WP11, WP12, WP22, WP91, WP92 |
| | A860 Grade WPHY42/WPHY52/WPHY60/WPHY65/WPHY70 |
| | A/SA-403 TP304/L/H/LN, TP316/L/H/LN, TP321/H, TP316Ti, UNS N08904 (904L), TP310S, TP317/L/LN, TP347/H |
| | A/SA-815 UNS S31803 (duplex), UNS S32750, UNS S32760 (super duplex) |
| | Nickel-based materials, titanium, cooper-nickel (CuNi), aluminium |

EXTRAS

- Special fittings according to drawing (made of round steel) and bends (with special radii)
- Dividing, beveling, boring, tapering and custom machining
- Coating and shot-blasting, beveling, marking to customer specifications
- Additional acceptance tests in our own testing laboratory (MT Laboratories Duisburg)

FORGED FITTINGS

ASTM-/ASME-FORGED FITTINGS/BRANCH FITTINGS

| | |
|--------------------------|---|
| Standards: | All standardized forged and outlet fittings |
| Options: | All standardized and non-standardized versions |
| Dimensions: | ¼ to 4 inch, branch outlet fittings up to 24" and all other standardized and non-standardized diameters |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | A/SA-105N/C21, P250GH (C 22.8), P280GH |
| | A/SA-350 Grade LF2, LF3, LF6 |
| | SA/A-182 Grade F1, F5, F9, F11, F12, F22, F91, F92 |
| | A694 Grade F42, F44, F52, F60, F65, F70 |
| | P355QH1 (W/T/STE 355) |
| | A/SA-182 Grade F304/L/H/LN, F316/L/H/LN, F321/H, F316Ti, UNS N08904 (F904L), F310S, F317/L/LN, F347/H |
| | A/SA-182 UNS S31803/F51 (duplex), UNS S32750/F53, UNS S32760/F55 (super duplex) |
| | Nickel-based materials, titanium, cooper-nickel (CuNi), aluminium |

EXTRAS

- Custom options/different thread types
- Available in uncoated, electroplated, galvanised
- Additional acceptance tests in our own testing laboratory (MT Laboratories Duisburg)





FLANGES

DIN/EN FLANGES

| | |
|--------------------------|--|
| Standards: | All common and standardized flanges |
| Options: | All types, pressure ratings and sealing surfaces |
| Dimensions: | 14 to 2,000 millimetres and all other standardized and non-standardized diameters |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | P250GH, P245GH, P265GH, P280GH, S235JR, S355J2H |
| | P285NH/QH, P355NH/NL1/QH1, P420NH/QH, P460QH/QL1 |
| | 12Ni14, X8Ni9 |
| | 16Mo3, 13CrMo4-5, 11CrMo9-10, 12CrMo19-5 |
| | 1.4903 (F91), 1.4901 (F92) |
| | 1.4462 (duplex), 1.4410, 1.4501 (super duplex) |
| | 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541, 1.4878, 1.4571, 1.4539, 1.4845, 1.4438, 1.4550 |
| | Nickel-base materials, titanium, cooper-nickel (CuNi), aluminium |

ASTM-/ASME-/API-FLANSCHEN

| | |
|--------------------------|---|
| Standards: | All common and standardized flanges |
| Options: | All types, pressure ratings and sealing surfaces |
| Dimensions: | ½ to 60 inches and all other standardized and non-standardized diameters |
| Wall thicknesses: | All standardized and non-standardized wall thicknesses |
| Materials: | A/SA-105N/C21 |
| | A/SA-350 LF2, LF3, LF6 |
| | A/SA-182 Grade F1, F5, F9, F11, F12, F22, F91, F92 |
| | A694 Grade F42, F44, F52, F60, F65, F70 |
| | SA/A-182 Grade F304/L/H/LN, F316/L/H/LN, F321/H, F316Ti, UNS N08904 (F904L), F310S, F317/L/LN, F347/H |
| | UNS S31803/F51 (duplex), UNS S32750/F53, S32760/F55 (super duplex) |
| | Nickel-based materials, titanium, cooper-nickel (CuNi), aluminium |

EXTRAS

- Custom flanges to drawings/customer specification
- All types of machining such as boring, tapering, custom sealing faces
- Coating and shot-blasting, beveling, marking to customer specifications
- Additional acceptance tests in our own testing laboratory (MT Laboratories Duisburg)

VALVES – STOCK & SOURCING PROGRAM



Stock program located in Europe

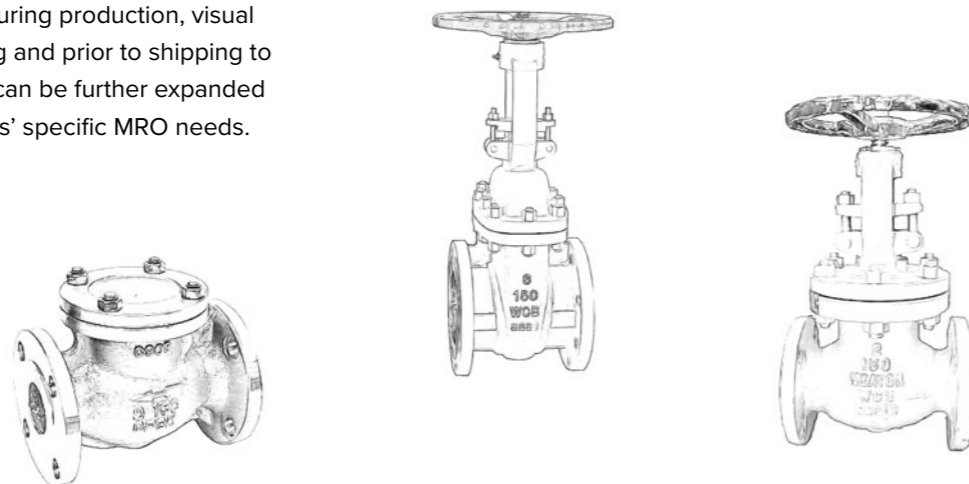
API 600 GATE, API 623 GLOBE, API 594 SWING CHECK VALVES

| | |
|----------------------------|---------------------------------|
| Size: | 2" to 24" |
| Pressure Class: | ANSI class 150 - 300 - 600 |
| Body/Bonnet ASTM Material: | A216 WCB – A352 LCB – A351 CF8M |
| End connections: | RF, RTJ |
| API Trim: | 8, 5, 12, 16, NACE |
| Manufacturer: | NEWAY |

API 602 GATE, GLOBE, CHECK VALVES

| | |
|----------------------------|--|
| Size: | 0.25" to 2" |
| Pressure Class: | ANSI class 800, 150, 300 |
| Body/Bonnet ASTM Material: | A105N – A350 LF2 – A182 F11 – A182 F5 – A182 F316L – A182 F321 |
| End connections: | Socket weld, Threaded, Flanged |
| Body/Bonnet connection: | Bolted, Welded |
| API Trim: | 8, 5, 12, 16, NACE |
| Manufacturer: | BONNEY FORGE, OMB |

Valves in stock are subject to "above standard" Non Destructive Examination during production, visual inspection prior to shelving and prior to shipping to customers. Our inventory can be further expanded according to our customers' specific MRO needs.



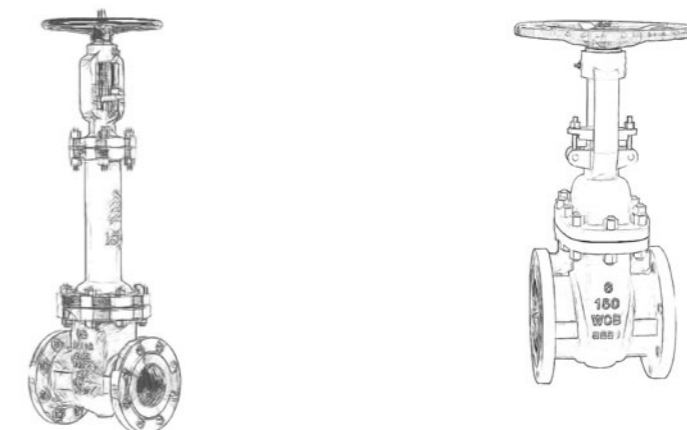
Stock program located in Houston, Texas

API 600 GATE, API 623 GLOBE, API 594 SWING CHECK VALVE

| | |
|----------------------------|---|
| Size: | 2" – 60" |
| Pressure Class: | ANSI class 150 – 300 – 600 – 900 – 1500 – 2500 |
| Body/Bonnet ASTM Material: | A216-WCB, A217-WC6, A217-WC9, A217-C5, A217-C12, A352-LCC, A352-LCB, A351-CF8M, A351-CG8M, SPECIAL ALLOYS |
| Design Type: | Bolted Bonnet, Bellow Seal, Pressure Seal |
| API TRIM: | 8, 5, 12, 16, NACE (Others as specified) |
| Special applications: | HF Acid, Cryogenic |
| End connection: | Flanged, Weld End |

API 602 GATE, GLOBE, AND CHECK VALVE

| | |
|----------------------------|--|
| Size: | ¼" – 3" |
| Pressure Class: | ANSI class 150 – 300 – 600 – 800 – 1500 – 2500 – 4500 |
| Body/Bonnet ASTM Material: | A105, A105N, A350-LF2, A182-F2, A182-F11, A182-F22, A182-F5, A182-F9, A182-F304/F304L, A182-F304H, A182-F316/F316L, A182-F316H, A182-F317, A182-F321 |
| Design Type: | Bolted Bonnet, Welded Bonnet, Bellow Seal, Y-Pattern |
| API Trim: | 8, 5, 12, 16, NACE (Others as specified) |
| Special applications: | HF Acid, Cryogenic |
| End Connection: | Threaded, Socket Weld, Flanged, Weld End |





STEEL BARS AND FORGINGS

ROLLED AND FORGED STEEL BARS, FORGED PARTS AND SPECIAL PARTS ACCORDING TO DRAWING

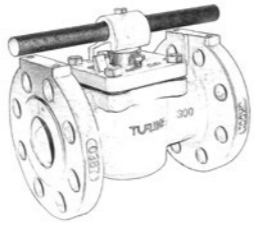
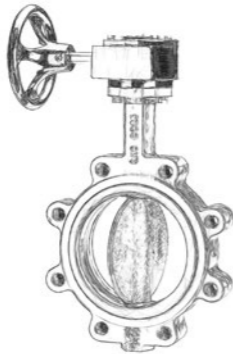
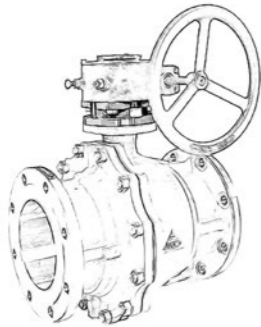
Sourcing program for projects & turn arounds/worldwide

VALVES TYPES

- Gate, Globe, Check Valves
- Ball Valves
- Butterfly Valves
- Plug Valves
- Lined Valves
- Diaphragm Valves
- Bellows Seal Valves
- Pressure Seal Valves
- HF Acid Valves (soon in stock)

The sourcing program for projects and turn arounds can be run based on our customers' specific Approved Manufacturer List and/or specifications if applicable.

Our valve team has multiple years of return on experience and can take an advisory role. For urgent needs, we can offer Fast Track solutions. Our services include the organization of additional testing, inspection and expediting in accordance with your needs.



INTERESTED?
For additional contact information and more about our company

| | |
|--------------------------|--|
| Products: | All types of flanges and special flanges according to drawing, integral flanges/LWN flanges, collar, plug washers, special turned parts according to drawing, fittings according to current standards and according to drawing, threaded fittings, weld-on sockets, bushes, shafts, fitting parts such as balls and seats, welded constructions and much more. |
| Designs: | According to drawing and all current EN and ASME standard |
| Dimensions: | In all standardized and non-standardized diameters |
| Materials (EN): | P245GH, P250GH, P280GH, S235JR, S355J2H P285NH/QH, P355NH/NL1/QH1, P420NH/QH, P460QH/QL1 10Ni14, X8Ni9 16Mo3, 13CrMo4-5, 11CrMo9-10, 12CrMo19-5 1.4903 (F91), 1.4901 (F92) 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541, 1.4878, 1.4571, 1.4539, 1.4845, 1.4438, 1.4550 1.4006 (X12Cr13), 1.4021 (X20Cr13), 1.4057 (X17CrNi162), 1.4122 (X339CrMo171), 1.4542 (X5CrNiCuNb164) 1.4462 (duplex), 1.4410, 1.4501 (super duplex) Nickel-based materials, titanium, copper-nickel (CuNi), aluminium |
| Materials (ASTM): | A/SA-105N/C21 A/SA-350 LF2, LF3, LF6 A/SA-182 Grade F1, F5, F9, F11, F12, F22, F91, F92 A694 Grade F42, F44, F52, F60, F65, F70 A/SA-182 Grade F304/L/H/LN, F316/L/H/LN, F321/H, F316Ti, UNS N08904 (F904L), F310S, F317/L/LN, F347/H ASTM A182 F410, F420, F431, F630 UNS S31803/F51 (duplex), UNS S32750/F53, S32760/F55 (super duplex) Nickel-based materials, titanium, copper-nickel (CuNi), aluminium |

EXTRAS

- Custom flanges to drawings/customer specification
- All types of machining such as boring, tapering, custom sealing faces
- Coating and shot-blasting, beveling, marking to customer specifications
- Additional acceptance tests in our own testing laboratory (MT Laboratories Duisburg)

ACCESSORIES

In addition to steel pipes, fittings and flanges, we offer a range of custom parts:

- Sheet metal/sheet metal components
- Screws, nuts and bolts, washers
- Pipe clamps our mountings
- Round steel stirrups
- Seal/gasket
- Collar
- Couplings/unions
- Set-on nozzles
- Torispherical heads
- Malleable cast iron fittings
- Inductive pipe bends
- Welded constructions
- GRP
- Cooper-nickel (CuNi)
- Aluminium

Please contact us at any time with your special requirements. We will happily advise you on individual solutions.

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