



# 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, copper-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, copper-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, copper-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, copper-nickel (CuNi), aluminium

## ASTM-/ASME-/API-FLANSCH

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, 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)



# VALVES – STOCK & SOURCING PROGRAM

Stock program located in Europe

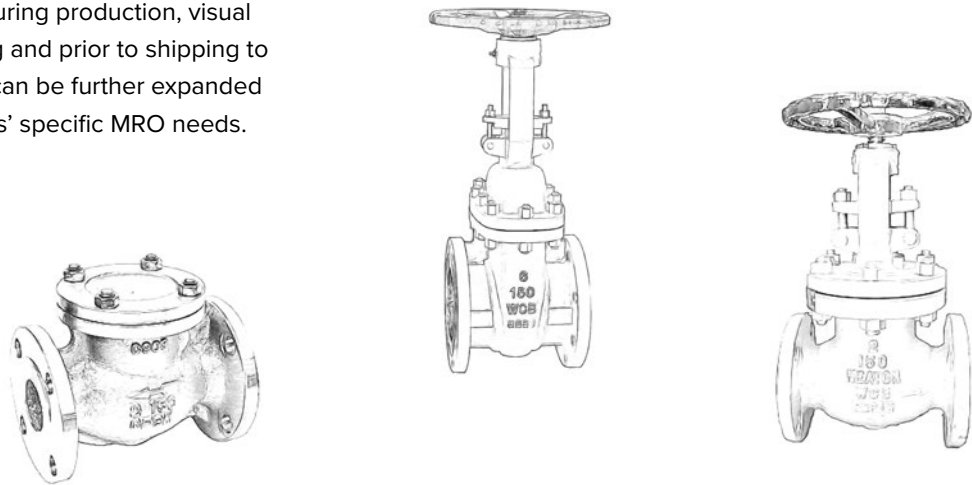
API 600 GATE, API 623 GLOBE, API 594 SWING CHECK VALVES

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.



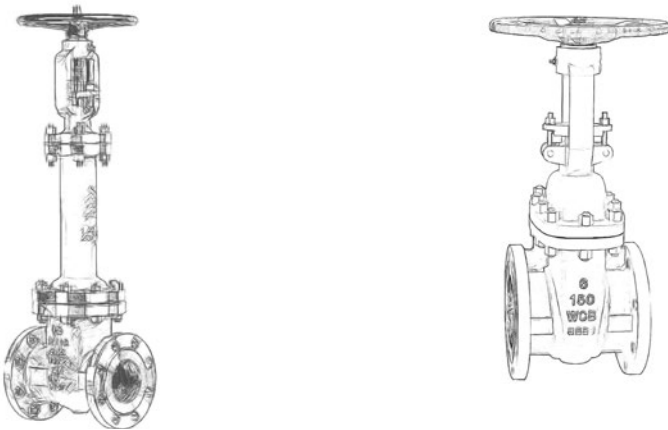
Stock program located in Houston, Texas

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

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)

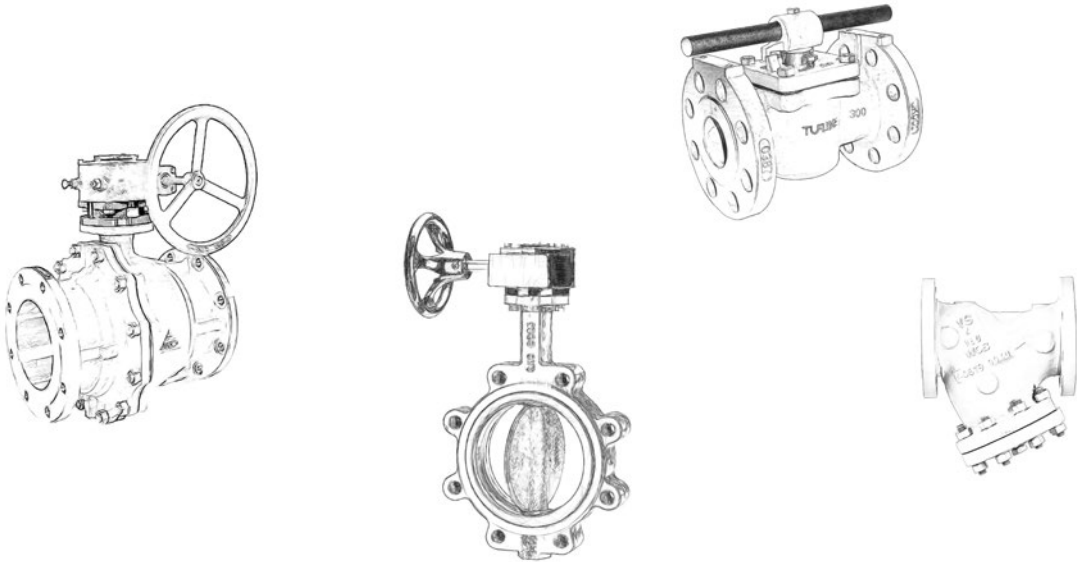
## Sourcing program for projects & turn arounds /worldwide

### 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



## 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
- Copper-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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