

BLÜCHER® Pipe



BLÜCHER®

KEEPING UP THE FLOW

Training

STAINLESS STEEL DRAINAGE SYSTEMS

1. What is Blucher Stainless Steel?



3 Types of stainless steel

1. Ferritic /adj.

Magnetic and relatively soft, this stainless steel is suitable for low strength applications such as car exhausts



2. Martensitic /adj.

Hardened chromium steel where strength is important but environmental conditions are mild, such as cutlery



3. Austenitic /adj. *The Best!!*

Highest type of stainless steel containing nickel as well as chromium for superb corrosion resistance & strength .

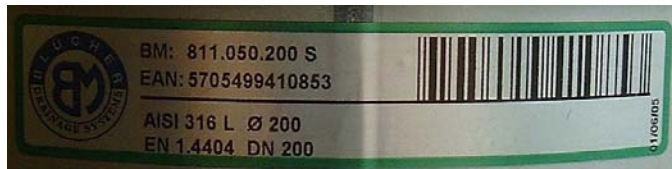
This is Blucher.



The 2 Grades of Stainless

Grade 316L: Plants, Kitchens, below ground, commercial and ships.

Austenitic chromium-nickel steel with superior corrosion resistance especially in marine and aggressive chemical environments.



Grade 304L: Domestic Water

Austenitic chromium-nickel steel with excellent corrosion resistance. Good welding characteristics and formability. Often referred to as '18/8'.



2. Blucher Stainless Steel Pipe

Pipes and fittings

2", 3", 4", 5", 6", 8", 10" & 12"

Lengths from 6" to 20'

Stock 316L Stainless steel

Press fit piping system



Stainless Steel Advantages

Light-weight but strong

Non-combustible

Long product-life expectancy

Quick installation with push fit

Easy maintenance

Full product range

Environment friendly



Stainless Steel Applications

Wastewater & rainwater drainage

Black & grey-water systems

Above or below ground waste

Vacuum Drainage

Roof drainage



Stainless Steel Job Installations

Bottling plants

Breweries

Computer chip manufactures

Food processing plants

Hotels

Museums

Pharmaceuticals

Restaurants

Wineries



Blucher Technical information

0.05" to 0.5" inch material thickness

Pressure 42 psi, vacuum – 12.25 psi

Acid-pickled surface

Custom solutions available



3. Pipe & Fittings



Blucher Pipe

Straight Pipe with One Socket

Model # P2-0.5-316

2" pipe ½ foot long

Model # P6-2.5-316

6" pipe 2½ feet long

Model # P8-9.8-316

8" pipe 10 feet long



Pipe Fittings

1. Bends

15° 30° 45° 90.5°



2. Branches

45° 90°

Single and double branch

With access door



3. Jointing sockets

Double ring-seal sockets

Sliding ring-seal sockets



Miscellaneous

1. Pipe Adapters

Access pipes

Expansion pipes

Reducers

Adaptors

Plugs

2. Accessories

Rat stop

Customer design solutions



4. Blucher Pipe Installation



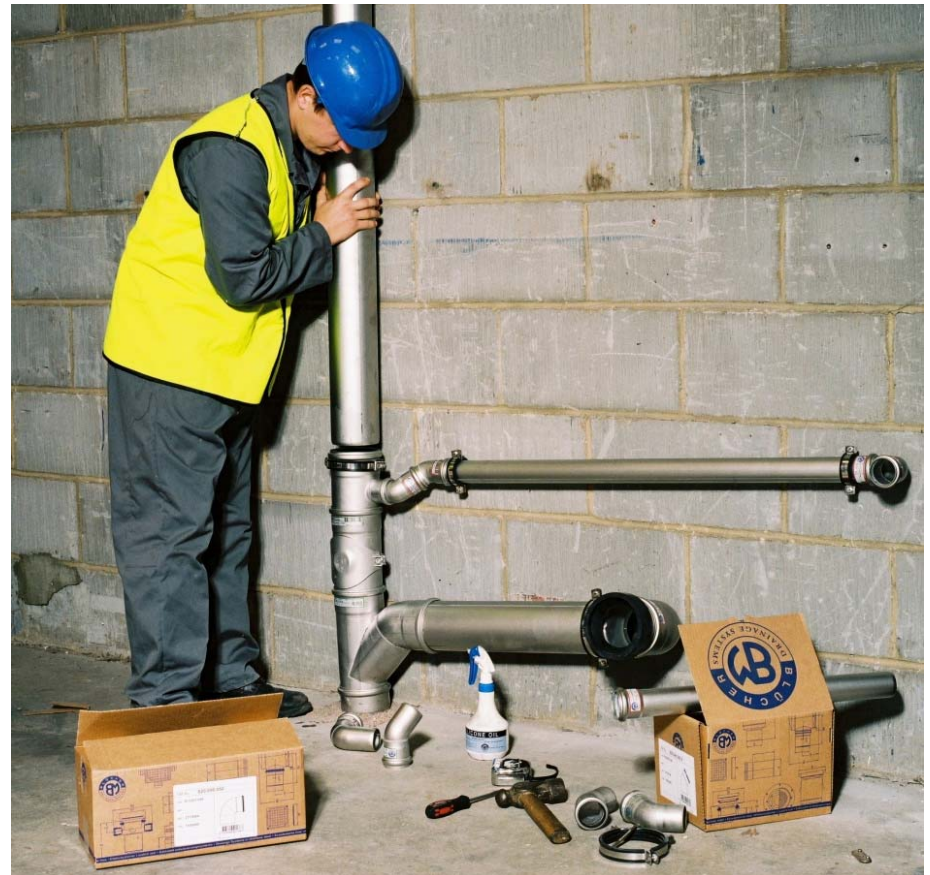
Installation: By one man!

Quick Push fit jointing

Easy to cut

Light weight

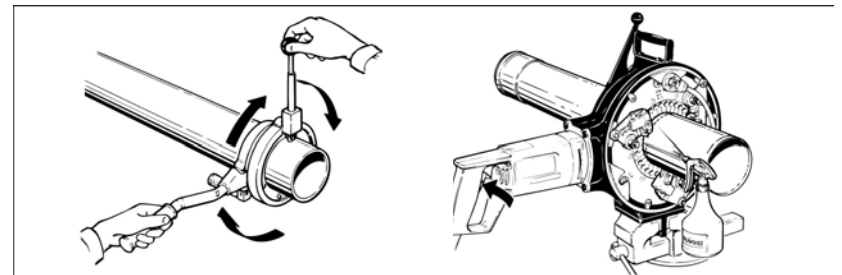
Less pipe fixings required



Installation: Cutting the pipe

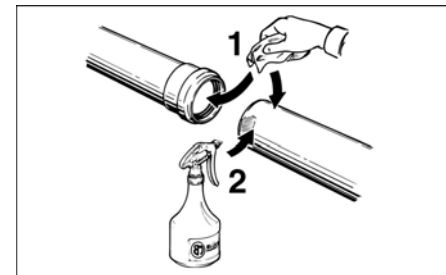
1. Cutting

Cutter cuts & bevels the pipe

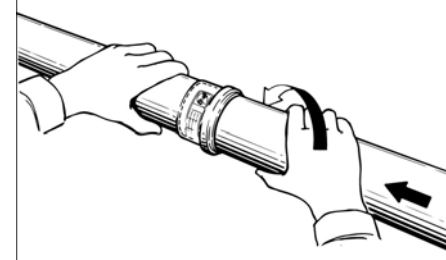


2. Jointing

Apply lubricant to the spigot end



3. Press fit the pipe



Tools to rent or purchase

Cutting tools

1. Pipe cutter

Manual pipe cutter

Electrical pipe cutter

2. Tools to rent or purchase



Cutting Oil/Jointing Lubricant

1. AT-1 Atomizer for Jointing Lubricant or Cutting Oil
2. JL-1 Jointing Lubricant
3. CO-1 Cutting Oil



Joining Installation

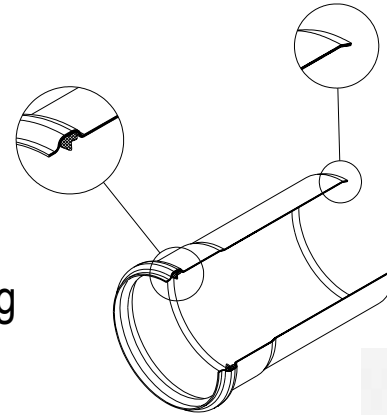
1. Socket

Push-fit socket with replaceable sealing ring

2. Bevelled spigot end

3. Connection to other pipe systems

Connection to other pipe systems by means of adaptors



Pipe Clamp Installation

Joint clamps

JC-2 is a 2" joint clamp

JC-4 is a 4" joint clamp

Joint Clamps are needed when:

There is a change of direction

At the end of a fitting

At the top of a clean out.



Stainless Pipe Hangers & Spacing



PH - Pipe Hanger



PH2 - 2-Piece Pipe Hanger

Hanger Spacing Info

2" – 7'

3" – 8'

4" – 9'

6" – 11'

8" – 11'

10" – 10'

Pipe sealing rings

1. **EPDM:** Ethylene propene, Standard sealing ring. Black.
2. **NBR:** Nitrile, Oil & gasoline resistant sealing ring. Black with yellow spot
3. **FPM:** Fluorcarbon Viton, Acid & temperature resistant sealing ring. Purple.

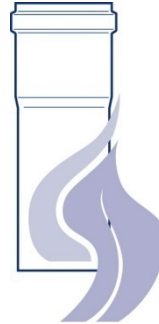


Prices on Page 50 of price book, tech data on page 57

5. Feature & Benefits of Pipe



Fireproof Pipe



1. Blucher Pipe will not:

Give off any Toxic fumes
Fuel a fire or burn

2. Buildings

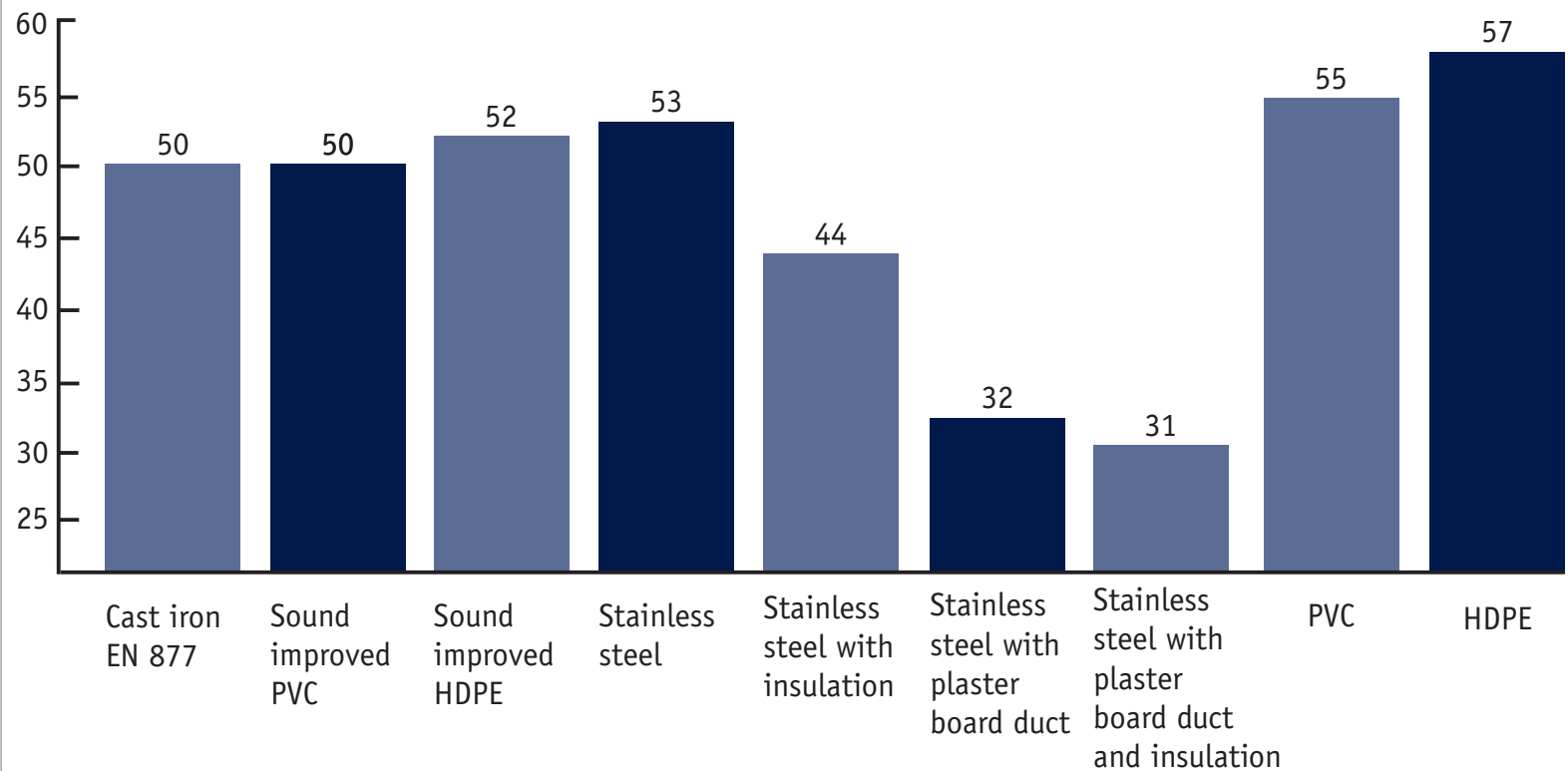
No international general regulations
National regulations

3. O-rings

EPDM ring does burn at approx. 509°F
Si ring will not burn until 842°F



Acoustics: noise from pipe



6. Conclusion

So, why do we use Blucher Stainless Steel Pipe?



Because the water was too hot for the plastic pipe

Stainless Steel Pipe summary

LEED point

Cost effective alternative to traditional drainage systems

Quick and easy to install

Labor savings produce overall installed cost savings

Added benefits of stainless steel



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