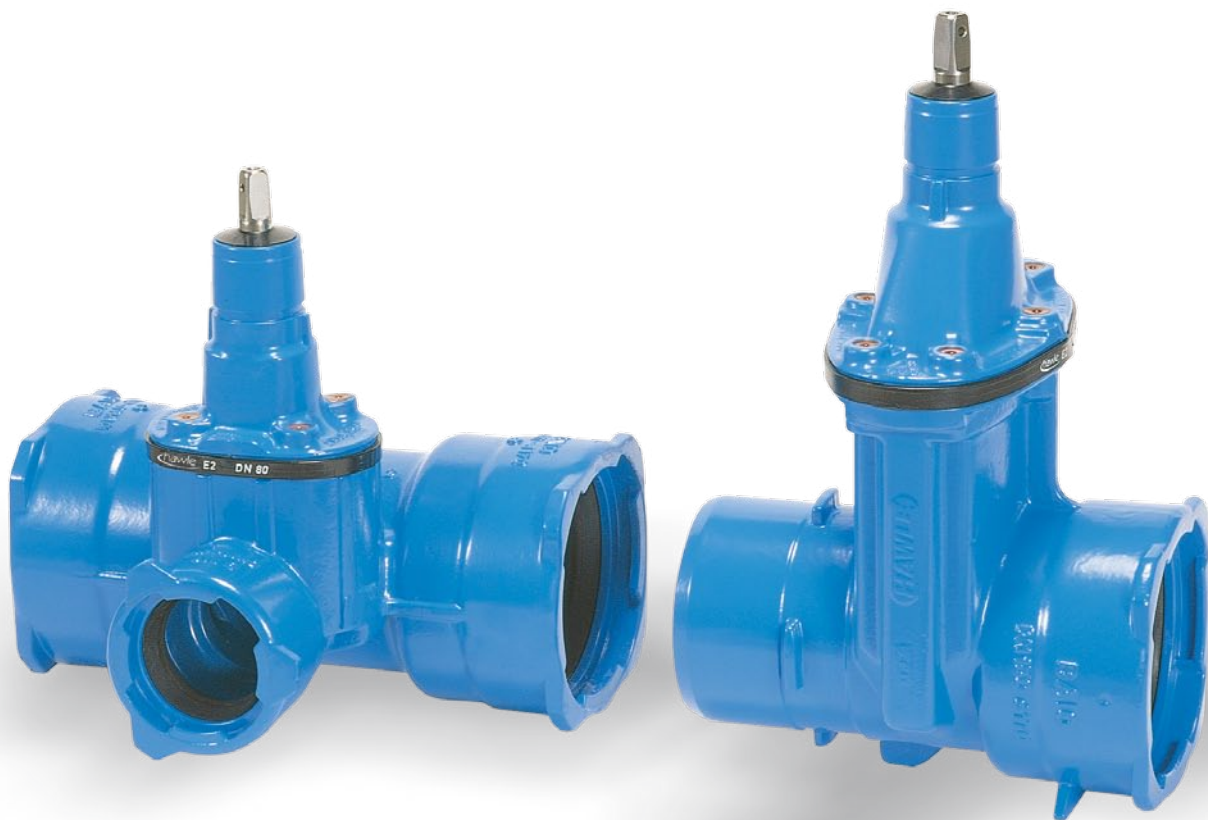




HAWLE - **BAIO System**

the solution, easy and time saving



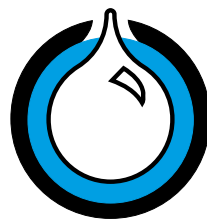
HAWLE. **MADE FOR GENERATIONS.**



HAWLE - **BAIO System**

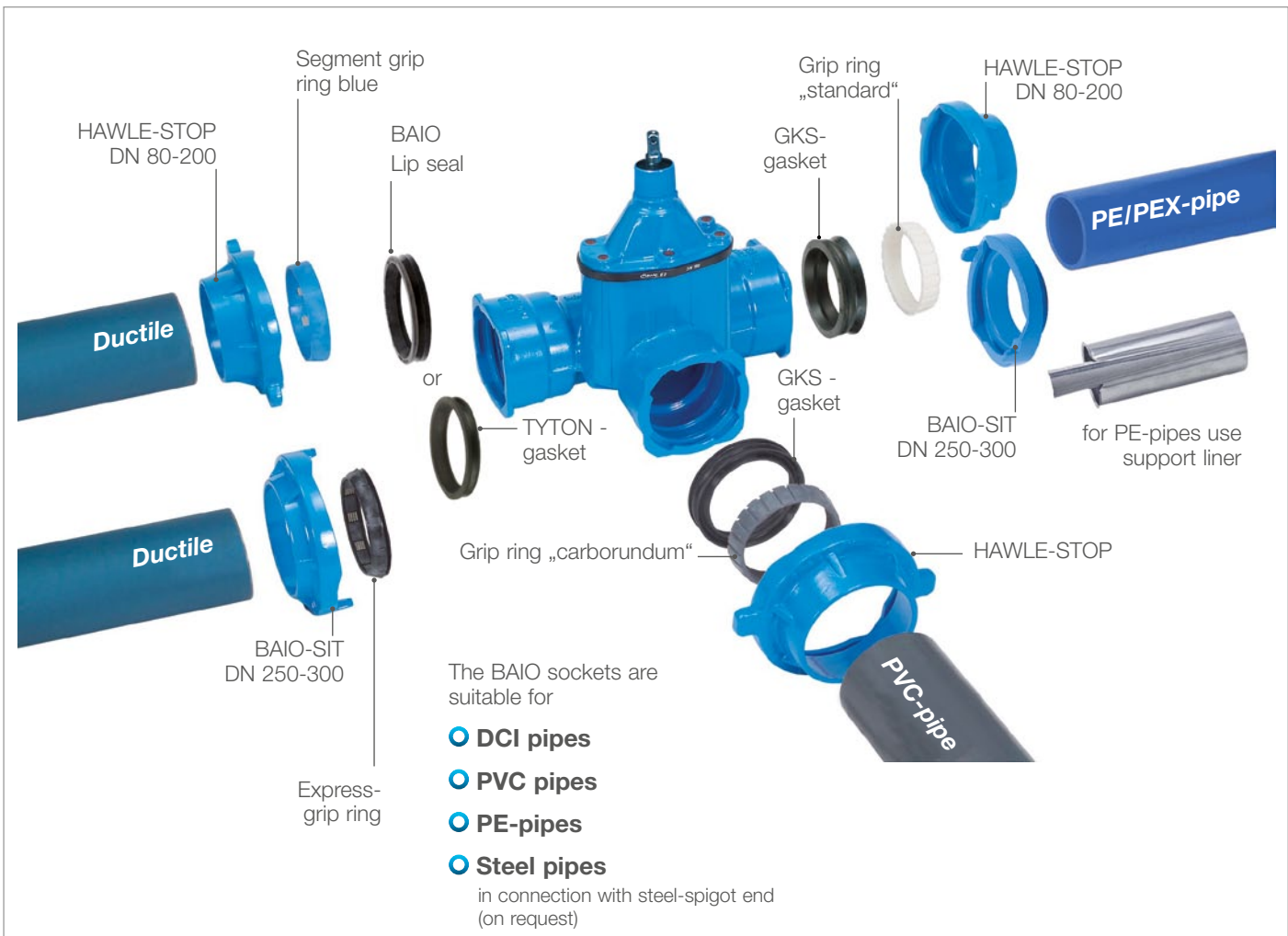
The fastest connection in the pipeline system

- saving in material, joints and piping costs
- joints without flanges or bolts of ductile cast iron, socket connections allow angular deflection
- low weight and low stock holding costs
- universal application for ductile iron, steel and PE/PVC pipes
- non-earthed restrainer with Hawle-STOP for DCI-iron and PE/PVC pipes
- high quality corrosion protection due to epoxy coating



RAL QUALITY MARK
HIGH QUALITY CORROSION PROTECTION
FOR VALVES AND FITTINGS

1 SOCKET FOR 4 TYPES OF PIPE



Spigot ends with bayonet lugs for positive connection with the double-function BAIO socket (seal and grip)

All socket fittings are supplied without gasket. Please choose the suitable gasket for the used pipe material.



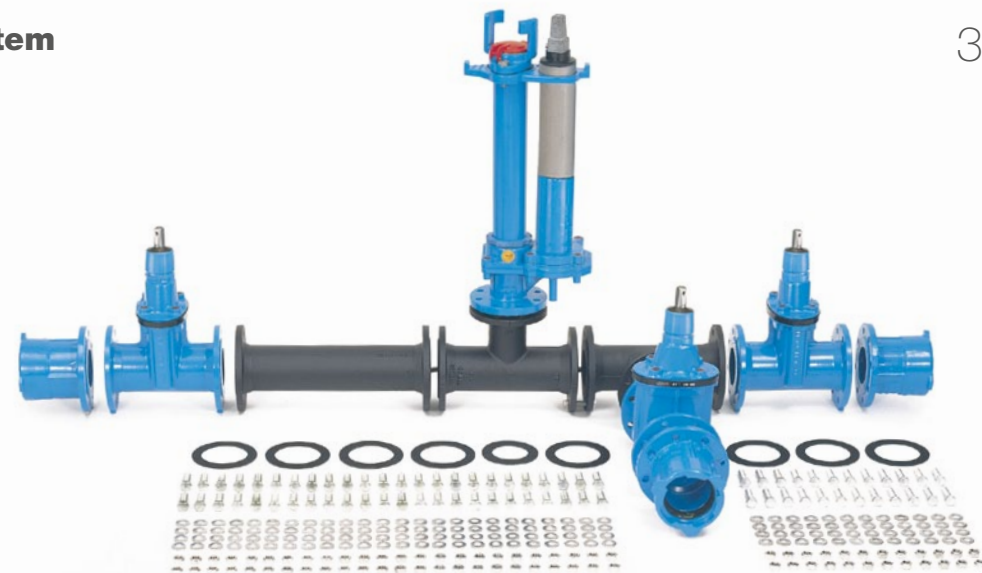
DN 80 - DN 300, PN 16

- Spigot/ Socket or Socket / Socket Gate Valves
- Combi Valves
- Hawle Below-ground hydrant
- Fittings



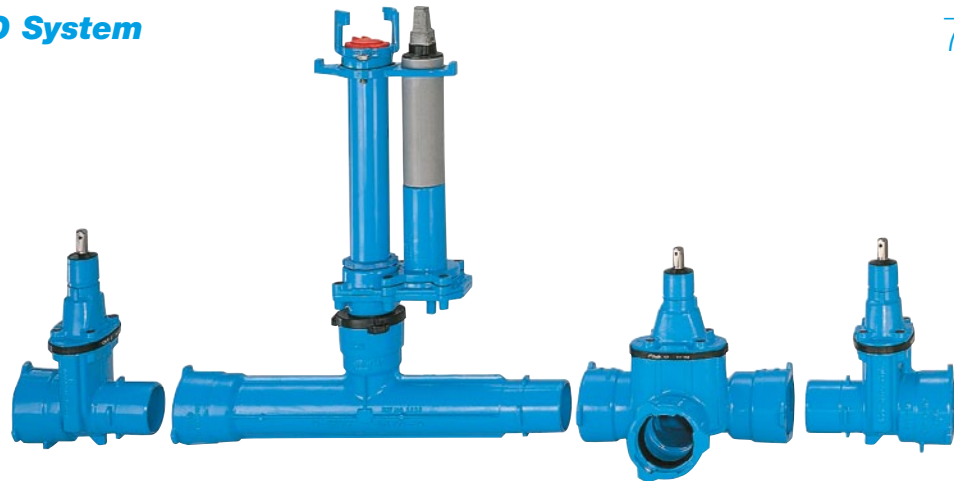
Flange-System

307 Parts



HAWLE - **BAIO System**

7 Parts



RESTRAINTS, ACCESSORIES, ASSEMBLY INSTRUCTIONS



**Order no. NL78
BAIO-SIT**
with special grip ring
for DCI pipes
DN 250-300



**Order no. NL79
BAIO-SIT**
with grip ring
for PE-Pipes
DN 250-300
(use support liner
order no. 6035/6036)



**Order no. NL80
Hawle-STOP**
with segment
grip ring
for DCI pipes
DN 80-200



**Order no. NL82
Hawle-STOP**
with grip ring
for PE-pipes
DN 80-200
(use support liner
order no. 6035/6036)



**Order no. NL84
Hawle-STOP**
with carborundum
grip ring
for PVC-pipes
DN 80-200

Accessories



**Order no. NL85
BAIO Lip seal BLD**
PN 16, for use on
DCI pipes in BAIO sockets



**Order no. NL86
GKS-pipe-gasket**
PN 16, for use on PE/PVC pipes
in BAIO sockets



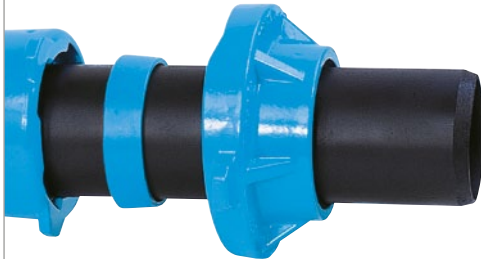
**Order no. 8716
TYTON gasket**
for use on
DCI pipes in BAIO sockets



Order no. 6035 Class SDR 17,6
Order no. 6036 Class SDR 11
Support liner with wedge made of
stainless steel, for use with PE pipes



**Order no. NL8A
Anti twist device**
for BAIO-connections



ASSEMBLY INSTRUCTION

Assemble the Hawle Stop and grip ring over the chamfered end of the pipe. Insert the pipe end through the seal in the BAIO socket and slide the grip ring along the pipe to the face of the BAIO socket.

Ensure that the gripping location area is free from lubricant.

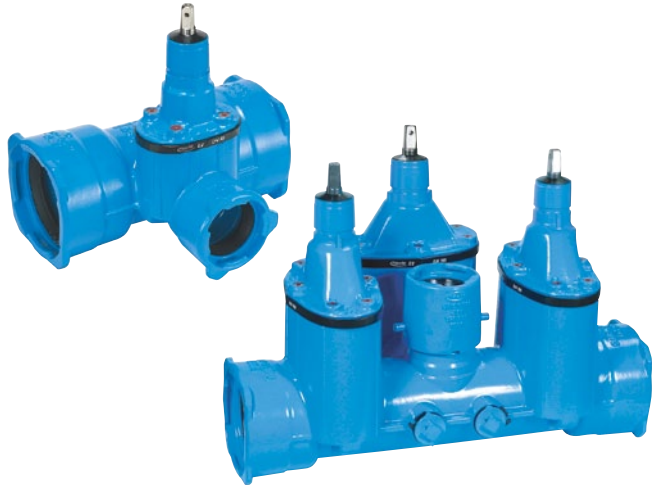
Locate the Hawle-STOP on the external lug of the socket and rotate clockwise to lock.

VALVES, COMBI-VALVES, FITTINGS



Valve Socket - Spigot
Order no. NL00E2
DN 80 - DN 300, PN 16

Valve, Socket - Socket
Order no. 4500E2
DN 80 - DN 300, PN 16
incl. TYTON gasket for DCI pipes



MMB-Valve all Socket
Order no. NL10E2
DN 80 - DN 200, PN 16

Combi-III all Socket
Order no. NL15E2
DN 100 - 200, PN 16
available on request with vertical outlet
and/or 2x ZAK 46 outlets



Connector Socket - Socket
with 2 ZAK 46 outlets
Order no. NL5A
DN 80 - DN 150, PN 16

Connector Socket - Socket
Order no. NL50
DN 80 - DN 200, PN 16

Connector Socket - Socket,
with 2 outlets 2"
Order no. NL51
DN 80 - DN 200, PN 16

Reducing Connector Socket - Spigot
Order no. NL40
DN 80 - DN 300, PN 16

FITTINGS



MMQ-Bend 90° Socket - Socket
Order no. NL30
DN 80 - DN 200, PN 16

radius angels 11° - 22° - 30° - 45° on request



MSK-Bend 45° Socket - Spigot
Order no. NL57
DN 80 - DN 200, PN 16



MMB-Tee Piece all Socket
Order no. NL20
DN 80 - DN 300, PN 16



MTT-Cross Piece all Socket
Order no. NL25
DN 80 - DN 200, PN 16



MMN-Duck Foot Bend
Order no. NL60
DN 80 - DN 100, PN 16
available on request with 2 or 3 lateral outlets with internal iron thread IG1½" or ZAK 46 sockets



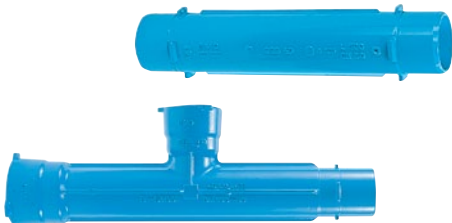
EN-Duck Foot Bend
Order no. NL65
DN 80 - DN 100, PN 16
available on request with 2 or 3 lateral outlets with internal iron thread IG1½" or ZAK 46 sockets

FITTINGS



Endcap Socket
Order no. NL47
DN 80 - DN 200, PN 16

Endcap Spigot
Order no. NL48
DN 80 - DN 200, PN 16



S-Piece Spigot - Spigot
Order no. NL46
DN 80 - DN 200, PN 16

B-Tee Piece
Order no. NL43
DN 100/80, 150/80, 200/80, PN 16
For direct underground hydrant installation in the mainline



EU-Piece Flange - Socket
Order no. NL42
DN 80 - DN 200, PN 16
DN 150/100, reduced PN 16

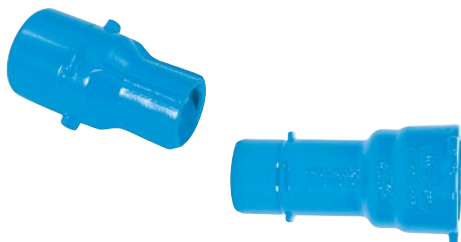


F-Piece Flange - Spigot
Order no. NL41
DN 80 - DN 200, PN 16



EMS Piece with WAGA Multi/Joint - wide range socket
Order no. NL44 MJ
DN 80 - DN 200, PN 16

EMS Cut-in Socket Fitting
Order no. NL44
DN 80 - DN 200, PN 16
for inserting valves and fittings into existing pipelines



Adaptor Piece ZAK-Socket - BAIO-Spigot
Order no. NL4A
DN 80 - ZAK 46, PN 16

SM-Adaptor Piece Socket - Spigot
Order no. NL45
DN 80 - DN 200
available on request with 2 ZAK 46 sockets

FITTINGS



PE-spigot for welding
Order no. NL87
 DN 80 - DN 200



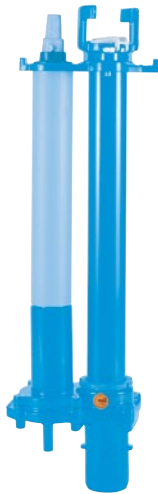
PEi-End PE-End - BAIO-Spigot
Order no. NL91
 DN 80 - DN 150



SM-BAIO Socket piece PE-End - BAIO Socket
Order no. NL93
 DN 80



TELE below ground Hydrant Spigot
Best.-Nr. 5059
 DN 80, PN 16



Freeflow below ground Hydrant Spigot
Order no. 5061
 DN 80, PN 16



Dirt Cover and Locking Ring
Order no. NL92
 DN 80
 For below ground Hydrant with
 BAIO-Spigot End

distributed by: