

Object	Huangshan Water Project
Place	Huangshan, China PRC
Date of installation	2001 to 2003
Building Authority / Design	No. 3 Engineering Bureau, China PRC North China Design (Tianjin)
Supplier	Suzhou Straub
Building Contractor	Huangshan Tourism Group Co., Ltd

Type of line	Water Lines, Fire Extinguishing Lines		
Product	STRAUB-METAL-GRIP	STRAUB-GRIP-L	STRAUB-FLEX-1L
Diameter Ø	AD 88.9 / 168.3 mm	AD 114.3 / 219.1 mm	AD 114.3 / 168.3 mm
Sealing sleeve	EPDM	EPDM	EPDM
Casing	304 stainless steel	316 Ti	316 Ti
Lock parts	Stainless steel	Stainless steel	Galvanized
Working pressure	Up to 45 bar	Up to 20 bar	Up to 16 bar
Test pressure	68.0 bar	30.0 bar	25 bar
Quantity	576 pcs	210 pcs	290 pcs

Problem

- Arc welding is not permitted within the Huangshan National Park.
- The total length of the pipe Line is 3850 m with a difference in altitude of 450 m = max. 45 bar working pressure.

Customer benefits

- Contribution of an ecological pipe joining method in the National Park area
- Efficient assembling of pipe in remote areas without special tools and heavy equipment



Bridge crossing over one of the rivers.



Installation of expansion joint with two STRAUB couplings.



Pipe supported by concrete blocs (steepness approx. 100%)