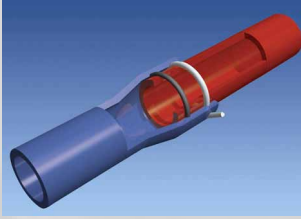


Taper/Taper adhesive-bonded Joint



Key-Lock® mechanical Joint



Reconstruction of discharge line for Vitcovice Mining project using Bondstrand® GRE pipe

After mining in Ostrava, the region was restricted some 15 years ago, still having a necessity to dewater several old caves. Diamo s.p. is responsible for the dewatering activity and used heavy wall steel pipe which often had to be repaired or replaced due to corrosion. At the end of 2003 discussions started to completely replace the corroded steel pipe. Because the Jeremenko Cave (named after Ukraine general Andrej Ivanovic Jeremenko) is wet all the time, there was a need to use corrosion-free material that would connect the KSB submersible pump delivering significant quantity of water (612 m³ /hour) through a 600 meter long vertical line with a maximum pressure on the bottom section of 74 bar. Bondstrand with Taper/Taper and Key-Lock joints was the product of choice due to ease of installation.

Scope of Supply

Manufacturing and supply of Bondstrand Glassfiber Reinforced Epoxy (GRE) piping material.

- Assistance with piping design;
- Perform stress analysis;
- Perform on-site pipe fitter training;
- Conducted field service.

Project

V.J.J. Ostrava-Vitkovice Mining Project

Client

Diamo, Statni Podnik, Ostrava – Vitkovice, Czech Republic

Owner

Application:	Mine discharge line
Fluid:	Pressure water
Diameter:	12 inch (300 mm)
Quantity:	2x 600 meter vertical

Operating Conditions

Operating pressure:	59 bar static
Maximum pressure:	74 bar
Design temperature:	-5 – +30°C
Test pressure:	Operating pressure

Installation date

2007