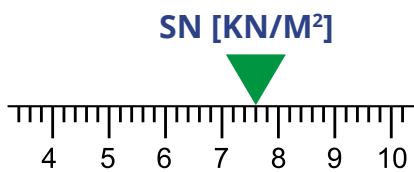


# PRAGNUM INFRASTRUCTURE SEWER SYSTEM

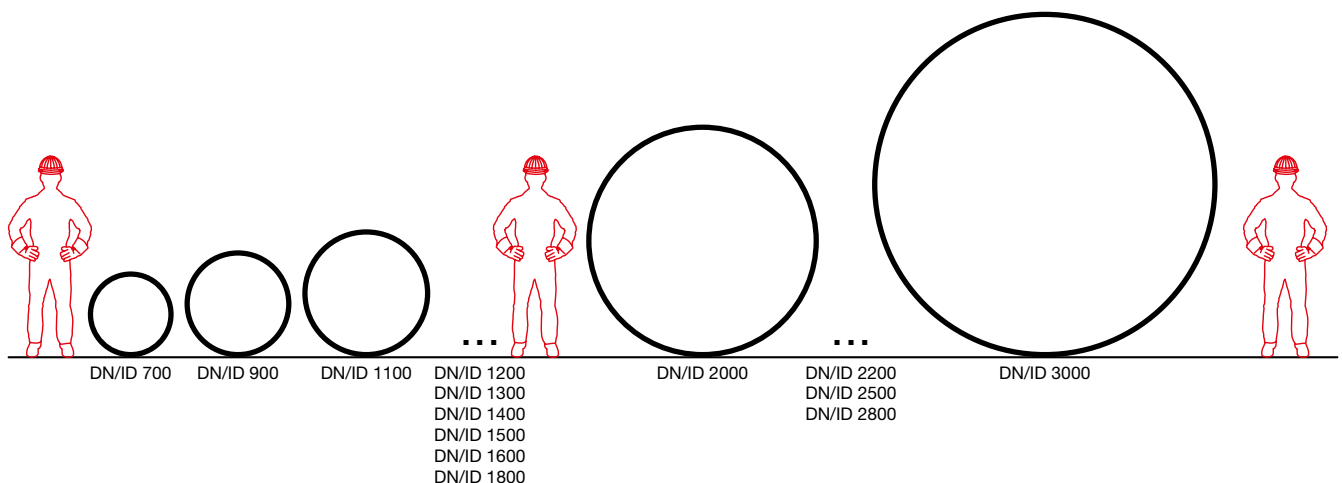


**PIPES AS ROBUST,  
AS THEY SHOULD BE!**



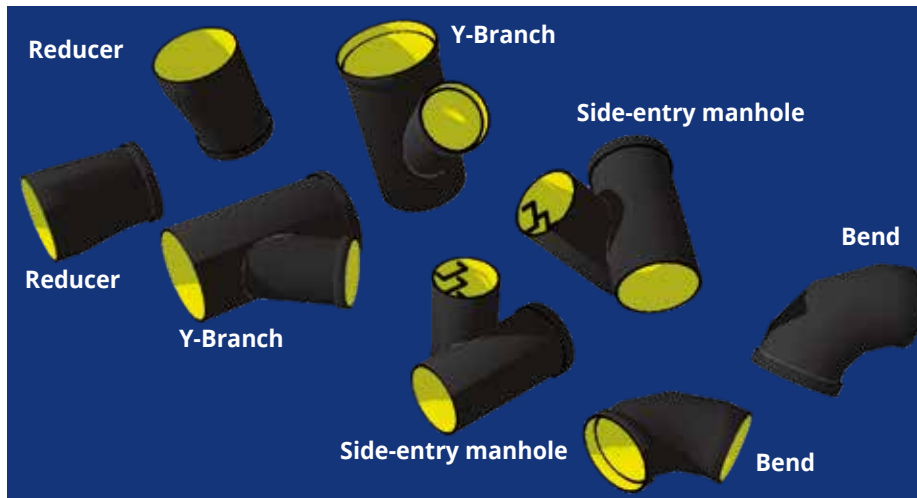
- Tonnes of water need to be taken away per second?
- You need to make a shallow crossing under a busy road or lay the pipe too deep in the ground and still it should resist.
- You have reached the limit of the standard solutions?
- Welcome to the world of the big plastic pipes!
- PRAGNUM spirally wound ribbed polyethylene pipes!
- Custom ring stiffness on demand!
- From SN $\geq$ 4 kN/m<sup>2</sup> to SN $\geq$ 32 kN/m<sup>2</sup>!
- Effective pipe length 6 m!

## SPIRALLY-WOUNDED SEWER PIPES PRAGNUM!

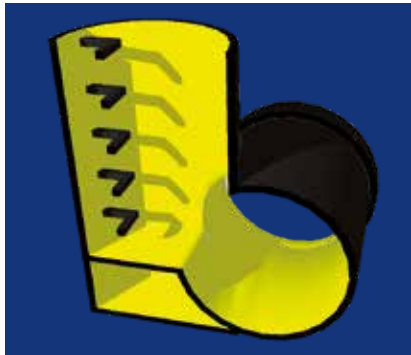


Integrated wire in the socketed end. Joining by electric fusion welding.  
Shorter sockets, increased overall effective pipe length, secure and watertight connection.

## PRAGNUM MAINTENANCE MANHOLES AND FITTINGS



### PRO-PRAGNUM SIDE ENTRY MANHOLE



DN of base	DN/ID of entry	Number of entries	Type of inlet/outlet pipe	Connection type	Possible angles of entry	Height
1000	From 700 to 2500 at 100 mm	1	Pragma - DN800 and DN1000 Pragnum - DN700, DN900 and from DN1100 to DN2500	Pragma –elastomeric gasket Pragnum – electric fusion socket or elastomeric gasket	from 90° to 270°	According to designed height Max. 10 m

### POSSIBLE EXTENSION OF THE MAINTENANCE PART WITH ELEMENTS FROM THE PRO RANGE



#### BENEFITS

- Custom ring stiffness from 4 to 32 kN/m<sup>2</sup>
- Short socket, increased effective length
- Secure and watertight connection.
- Light weight, easy on-site installation.
- Compatibility with other Pipelife systems.
- Extension of the maintenance part of the PRO-Pragnum manholes using elements from the PRO range.
- Joining sewer house connections of corrugated Pragma pipes or smooth wall PVC-KG pipes to Pragnum collector pipe.
- Coupling Pragma corrugated collector pipes and PRO-Pragnum maintenance manholes.

