







#### **RAW MATERIAL**

Only pre-compounded (including well dispersed high-grade additives) and virgin resins are used for AGRU XXL pipes which are in conformance to both, PE 100 (-RC) and PE 4710 requirements.





### EMERGING PRODUCTION TECHNOLOGY – DEVELOPED BY AGRU

Due to ongoing innovation in production technology, AGRU expands its leading position for large diameter piping systems and is now producing the world's largest extruded PE 100 (-RC) pressure pipe.

### **UNCOMPROMISING EXCELLENT QUALITY**

AGRU implements stringent quality control, that exceeds international standards. Additionally, each product produced is fully documented and traceable along the entire supply chain – from raw material to the final product.



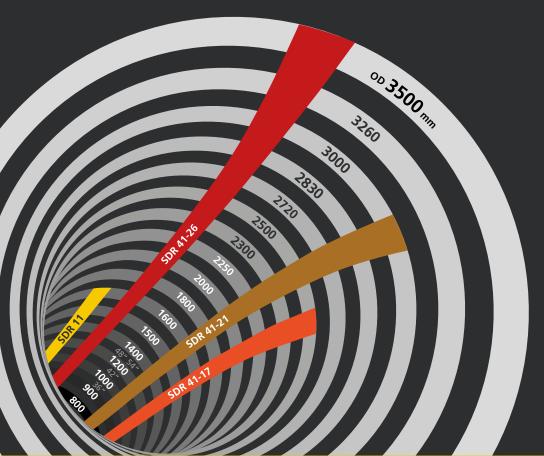




# We provide system solutions

AGRU provides the full dimension range according to current standards. Pipes are produced project specific with seamless lengths up to 600 m.

### Pipe supply range







### Fitting supply range

AGRU provides a complete system. Fittings are available up to OD 3500 mm acc. to the respective pipe SDR.

### FLANGE COMPONENTS

AGRU provides the complete range for durable flange connections including:

- **EPDM** gaskets with steel inserts
- Backing rings / blind flanges in various steel qualities
- Bolt sets in various steel qualities (screws, nuts, washers)















Bend 11°, 22°, 30°, 45°, 60°, 90°	Tee	Reduced Tee	Stub Flange	Reduction	End Cap	Toploadsaddle
OD [mm]	OD [mm]	OD [mm]	OD [mm]	OD [mm]	OD [mm]	OD / branch Ø [mm]
800	800	800 / ≤700	800	800/630/800/710	800	800 / ≤500
900	900	900 /≤800	900	900/710/900/800	900	900 / ≤500
1000	1000	1000 /≤900	1000	1000/900	1000	1000 / ≤ 500
1200	1200	1200 / ≤ 1000	1200	1200/1000	1200	1200 / ≤ 500
1400	1400	1400 / ≤ 1200	1400	1400/1200		1400 / ≤ 500
1500	1500	1500 / ≤ 1200	1500	1500/1200		1500 / ≤ 500
1600	1600	1600 / ≤ 1400	1600	1600/1400		1600 / ≤900
1800	1800	1800 / ≤ 1600	1800	1800/1600		1800 / ≤900
2000	2000	2000 / ≤ 1800	2000	2000/1800		2000 / ≤1400
2250	2250	2250 / ≤2000	2250	2250/2000		2250 / ≤1400
2300	2300	2300 / ≤2000	2300	2300/2000		2300 / ≤ 1400
2500		2500 / ≤2250	2500	2500/2250		2500 / ≤ 1400
2720			2720			2720 / ≤ 1400
2830			2830			2830 / ≤ 1400
3000			3000			3000 / ≤ 1400
3260			3260			3260 / ≤1400
3500	·		3500		<u> </u>	3500 / ≤ 1400

## Realizing ideas from scratch to the final product:

### **DESIGN, ENGINEERING, IN-HOUSE FABRICATION**

Vast capabilities allow AGRU to provide tailor-made and timely solutions, all from a single source – this qualifies AGRU as the most valuable partner for EPC contractors!













## Proven and reliable jointing methods

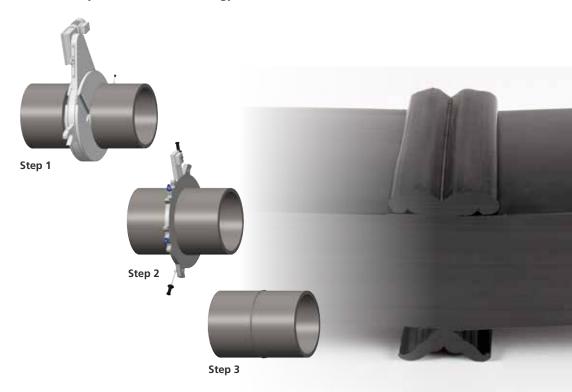
#### **HEATED PLATE BUTT WELDING**

Homogeneous welding connections across the entire wall thickness provides a monolithic system that maintains its full pressure rating without any weak points.

Long-term and proven welding method that is available for all dimensions!

### CLEAN, FAST, SAFE

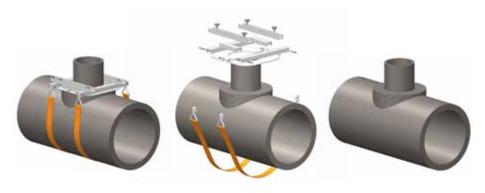
AGRU offers highly automated welding procedures with full documentation and traceability. This welding method requires less labor and keeps you one step ahead of any other fusion technology.



#### **PIPE BRANCHES**

The spigot saddle system topload utilizes a specialized clamping system that offers an efficient and flexible solution to create branches that are electro-fusion welded to existing or new pipelines in on- or offshore locations.

### **DESIGN-FLEXIBLE, SAFE**



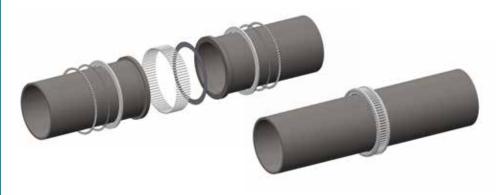




#### **FLANGE CONNECTIONS**

AGRU supplies mechanical connections that enable detachable transitions to buildings and/or other pipe materials.

### PROJECT OPTIMIZED; DETACHABLE, SAFE















# Offshore float and sink installation, made easy by the AGRU PE 100(-RC) Piping Systems







### AGRU - a global brand



The Plastics Experts

