

NORMA



The NORMA® Product Range

- NORMACLAMP®
Hose Clamps
- NORMACONNECT®
Pipe Connections
- NORMAFIX®
Retaining Products
- NORMAQUICK®
Quick Connectors
- NORMAFLEX®
Fluid Systems
- NORMAPLAST®
Plastic Products



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NORMA

*the connecting
professionals*



NORMACONNECT® FGR
Pipe Couplings

NORMACONNECT® FGR pipe couplings
– For axial non–restraint connections



NORMACONNECT® FLEX/FLEX E
Axial non–restraint couplings used to connect metal and/or plastic pipes.



NORMACONNECT® FLEX 3
Axial non–restraint pipe couplings used to connect metal and/or plastic pipes; extra wide band.



NORMACONNECT® REP E
Repair couplings used to connect and seal restrained metal and plastic pipes.



NORMACONNECT® FGR
– For axial restraint connections

NORMACONNECT® GRIP/ GRIP E
Axial restraint pipe couplings used to connect metal pipes.



NORMACONNECT® PLAST GRIP/ PLAST GRIP E
Axial restraint pipe couplings used to connect plastic pipes.



NORMACONNECT® GRIP E–FP
Axial restraint pipe couplings with integrated flame protection used to connect metal pipes.



NORMACONNECT® COMBI GRIP/ COMBI GRIP E
Axial restraint pipe couplings used to connect metal pipes with plastic pipes.



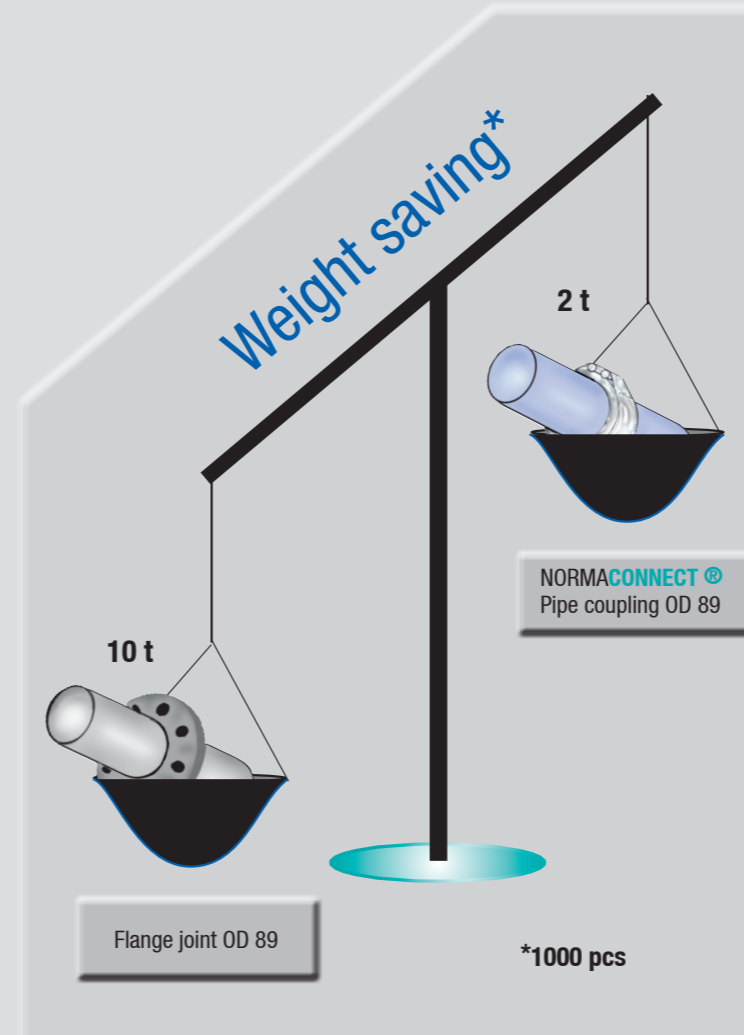
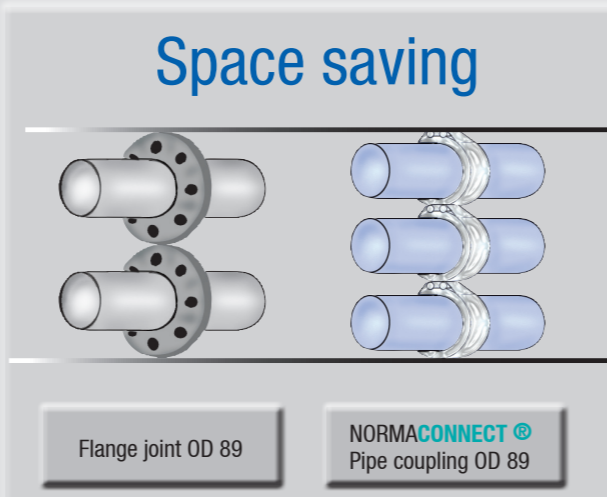
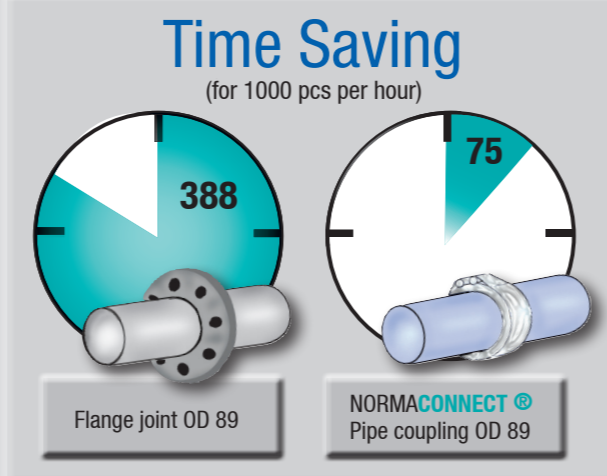
Benefits
by using **NORMACONNECT® FGR** pipe couplings



NORMACONNECT® FGR is a very cost–effective alternative to conventional pipe joining techniques for both plastic and metal pipes. All plain–ended pipes can easily be assembled and removed by hand. The ready to fit coupling is pushed over the pipe ends and then aligned and rotated to any fitting position.

NORMACONNECT® FGR offers following benefits:

- Easy and quick installation saves time which makes it a very cost–effective alternative
- Space and weight saving
- Re–usable
- Weld–free connections
- Stainless connections
- Detachable connections
- No pipe end treatment required
- Meets international standards like Lloyds Register + Det Norske Veritas.
- No precise pipe gap necessary
- Angular deflection and misalignment possible



Application overview
of **NORMACONNECT® FGR** pipe couplings



The **NORMACONNECT® FGR** range offers reliable weld–free connections for thick– and thin–walled pipes and conforms to the new standard DIN 86128.

Feed and return lines for gas, liquids and solids – in industrial applications, shipbuilding, plant construction, building, civil engineering, waste water plants etc. are joined quickly, easily and safely with **NORMACONNECT®** pipe couplings.

Some applications where the **NORMACONNECT® FGR** range is used:

- Shipbuilding
- Industrial applications
- Plant construction
- Water treatment plants
- Waste water plants
- Sanitary
- Compressed air
- Fresh water supply
- Pipeline manufacturing
- Compressor manufacturing
- Drainage
- Filter units
- Rail vehicle manufacturing
- Engine manufacturing
- Mixing dosing units