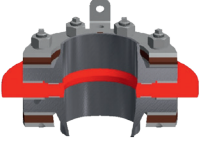



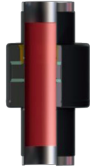


TECHNICAL DIFFERENCES BETWEEN INSULATING JOINT CONSTRUCTIONS

	Products of ISOflanges GmbH		Competitive products		
					
Properties	Insulating flange HP2 High Performance ³⁾	Insulating flange HQ2	Recessed insulating ring	„Insulating seal“	Insulating coupling
State of the art ¹⁾	+	-	-	-	-
Mechanically maintenance free	+	-	-	-	N/A
Construction remains tightly sealed over long periods (BetrSichV, TRBS (Technical Rules for Operational Safety) 2141-3 and 2152-2)	+	-	-	-	-
Mechanically resistant to additional pipe forces	+	-	-	-	-
Secure insulation	+	+	-	-	+ ²⁾
Maximum permissible screw tension	up to 100%	approx. 40% - 50%	approx. 25%	approx. 25%	N/A
Easy to install and avoid Installation errors - plug and play	+/-	+/-	-	-	+

1) As per the following regulations: PED, Occupational Health and Safety Act (ArbSchG) – Workplace Safety Regulations (BetrSichV), IED, Federal Emission Control Act (BImSchG) – Technical Instructions on Air Quality Control (TA Luft), Water Resources Act (WHG), Federal Pipeline Ordinance (RohrFLtgV), High Pressure Gas Pipeline Ordinance (GasHDrLtgV), DVGW regulation.

2) Vulnerability against excessive pipe forces can lead to failure of the seal or sometimes the insulation.

3) Patent flangeValid ® © Lannewehr + Thomsen GmbH & Co. KG