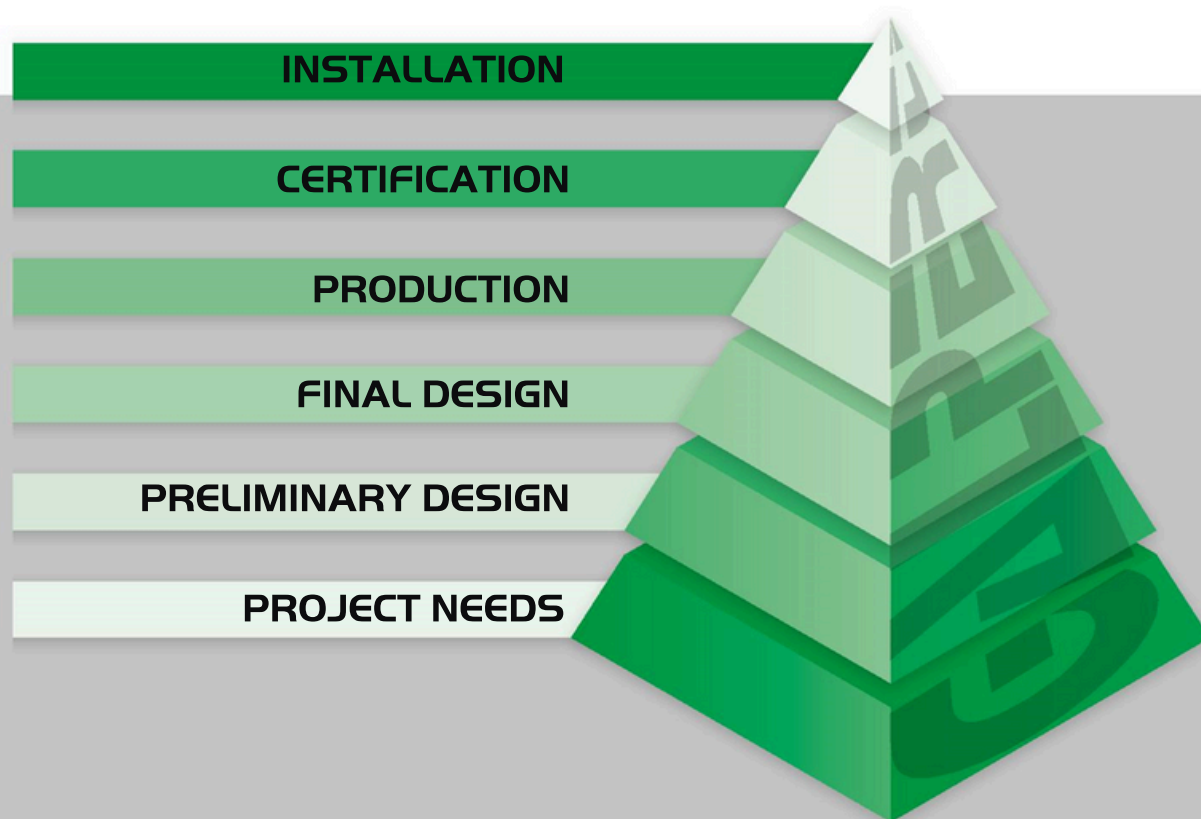


The Original
GALPERTI[®]
TECH FORGED PRODUCTS

The fully integrated supplier
of forged products for energy projects



GALPERTI TECH FORGED PRODUCTS

The latest addition to the GALPERTI Group universe, GALPERTI TECH FORGED PRODUCTS, merges 100 years of forging expertise with brand new, state-of-the-art mechanical production and assembly facilities, expanding the Group's portfolio of solutions dedicated to the energy market.



The Original

Your Forging Partner in Energy projects



IN-HOUSE PROCESSES

Forging - Heat Treatment - Manufacturing - Assembling

FORGING

- Steel bar cutting
- Heating
- Forging
- Rolling

HEAT TREATMENT

- Quenching and tempering
- Normalizing
- Material qualification tests



The Original
GALPERTI[®]
TECH FORGED PRODUCTS

MANUFACTURING

- Turning
- Induction hardening
- Non-destructive test
- Gear cutting
- Boring - Tapping
- Finishing

ASSEMBLING


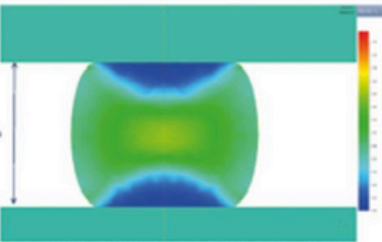
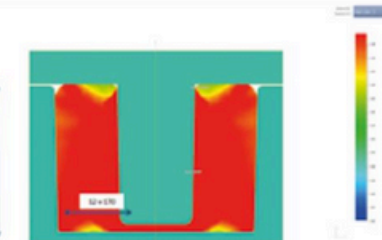

- Assembling
- Zinc Spraying
- Painting
- Greasing
- Dimensional Checking
- Testing
- Rust protecting
- Packing
- Delivering

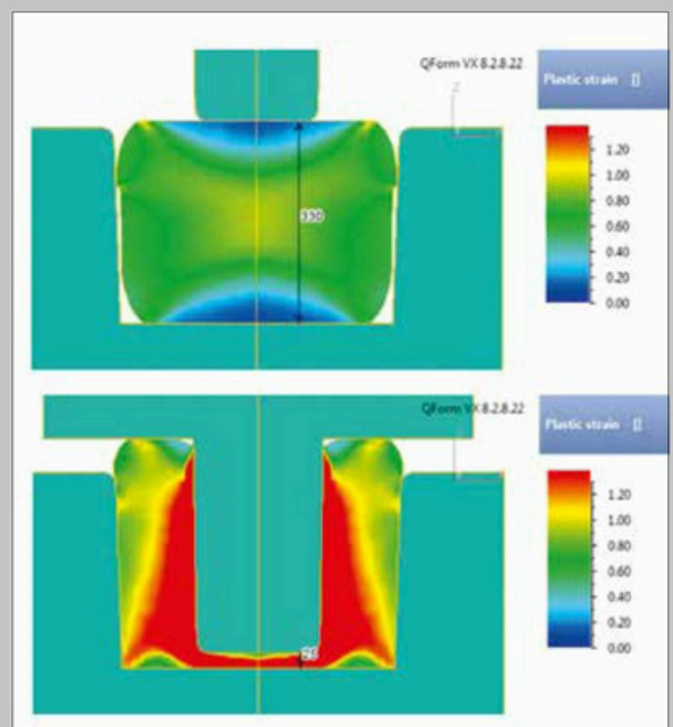
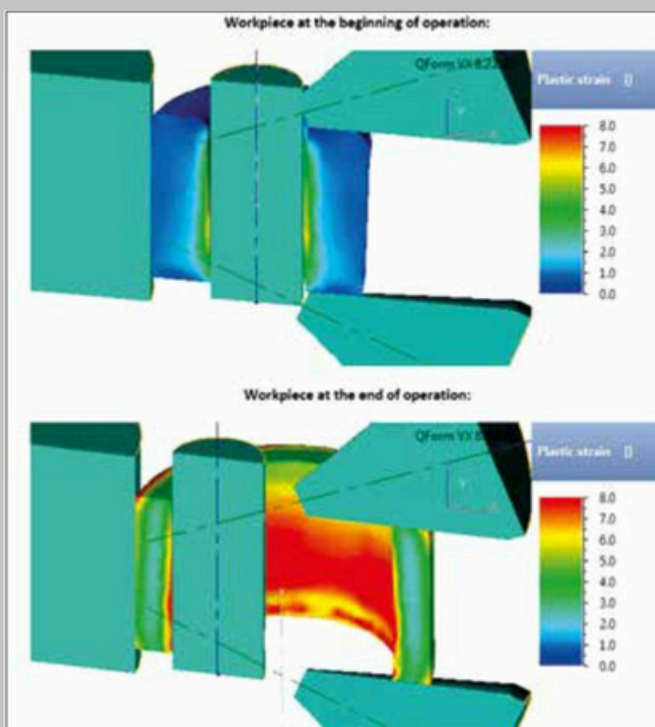
DESIGN

In-house engineering process

Internal design, and the highest level of control in all the project steps from supply chain management to shipment: the best guarantee of success to our customers and their projects.

- 2D drawings
- 3D modelling
- Design calculations
 - ASME VIII Div.1
 - PD5500
 - ASME VIII Div.2
 - DNV OS F01
- Design

DESCRIPTION	OPERATION	DETAIL	REMARKS
1	Starting from plate flow		
2	Forming		$M_2 = 4.89 \times 10^4 \text{ Nm}$
3	Flanging		$\text{with } M_2 = 4.89 \times 10^4 \text{ Nm}$ $\text{with } M_2 = 4.89 \times 10^4 \text{ Nm}$ $\text{with } M_2 = 4.89 \times 10^4 \text{ Nm}$
4	Ring flanging		$\sigma = 124 \text{ MPa}$ $M_2 = 4.89 \times 10^4 \text{ Nm}$ $\text{with } M_2 = 4.89 \times 10^4 \text{ Nm}$

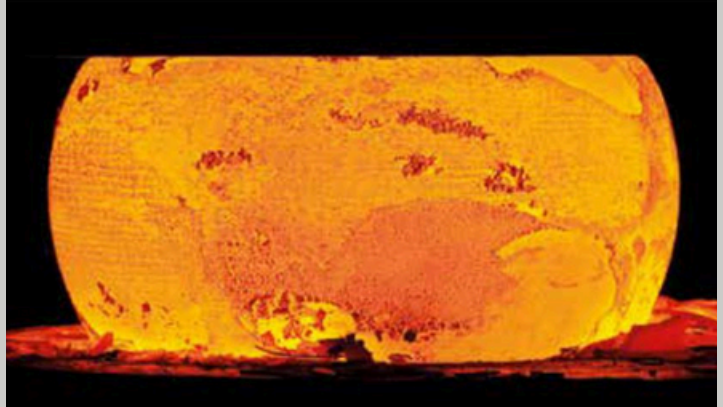
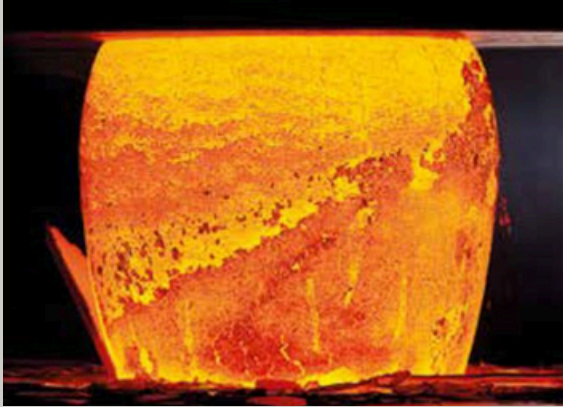


FORGING

In-house forging process

OPEN DIE

The Dervio location hosts our Forging Plant No. 1, equipped with 7 forging lines and 6 ring rolling machines. The 7 forging lines are divided into 3 hydraulic presses and 4 mechanical presses, with a capacity ranging from 1/2" up to 4000 mm external diameter.



SEMI CLOSE DIE

Forgings from 0.5 kg up to 30 Tons



RING ROLLING

The Cercino location hosts our Forging Plant No. 2, which features 6 forging lines, including 3 mechanical presses and 3 hydraulic presses, as well as a total of 3 ring rolling machines. Capacity ranging from 1/2" up to 6300 mm in external diameter



Forged with mastery from the first strike

HEAT TREATMENT

At the heart of our manufacturing process

A KEY STRENGTH OF OURS

GALPERTI's heat treatment plants feature furnaces with capacities ranging from 10 to 40 tons, designed to guarantee maximum flexibility and shorter response times. With dedicated heat treatment specifically tailored for pipes up to 16.000 mm in length and 700 mm in outer diameter, we have systematically eliminated vulnerabilities in our processes, solidifying heat treatment as a cornerstone of our operational strength.



LONG PRODUCT HEAT TREATMENT PLANT

The Furnace

Internal length:	16.770 mm
Internal width:	1.675 mm
Internal height:	1.700 mm
Max batch weight:	20 ton
Max working temp.:	1.200°C
Nominal working temp.:	400 / 1.100° C
Burners:	N°14
Max thermal power:	2.3 MW

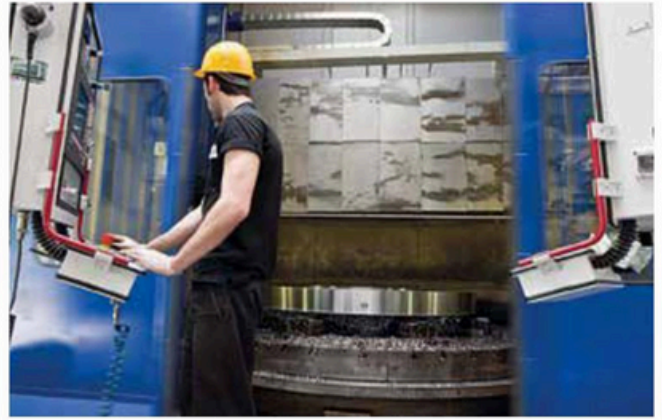


Fully automated loading and unloading heat treatment plant



MACHINING

Flexibility and on-time delivery are our commitment.



From commodities volume production to single one of a kind products: dozens and diversified state of the art machineries together with extensive in-house expertise are at the heart of our machining strength.

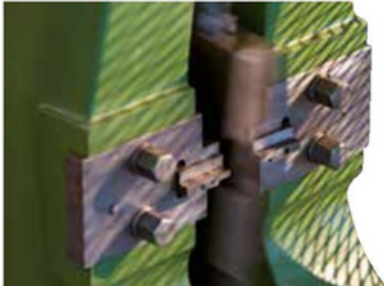


Tube drilling

Tube straightening

CERTIFICATION

Material Certifications



Charpy test

We are accustomed to work and certify in accordance with the strictest standards, as with Marine Applications for example

Steel grain test



GALPERTI Metallurgy laboratory is ISO19025 certified to meet the highest quality insurance standards, our facilities are also designed to manage any contractual commitments with witnessing inspectors of Certification Bodies, e.g. Lloyds Register, DNV, BV, TÜV, API, etc.

Here, we employ a rigorous suite of destructive and non-destructive tests. We are equipped with cutting-edge technology to simulate real-world conditions, ensuring that every product adheres to industry standards, thereby guaranteeing the integrity and performance of our materials.

Take a look at the laboratory tests primarily conducted

Metallographic Preparations:

- Sectioning of specimens using band saws with coolant jet.
- Mechanical processing of specimens using CNC machinery.
- Millimeter-scale measurement of specimens using profile projector.
- Preparation of metallographic samples.

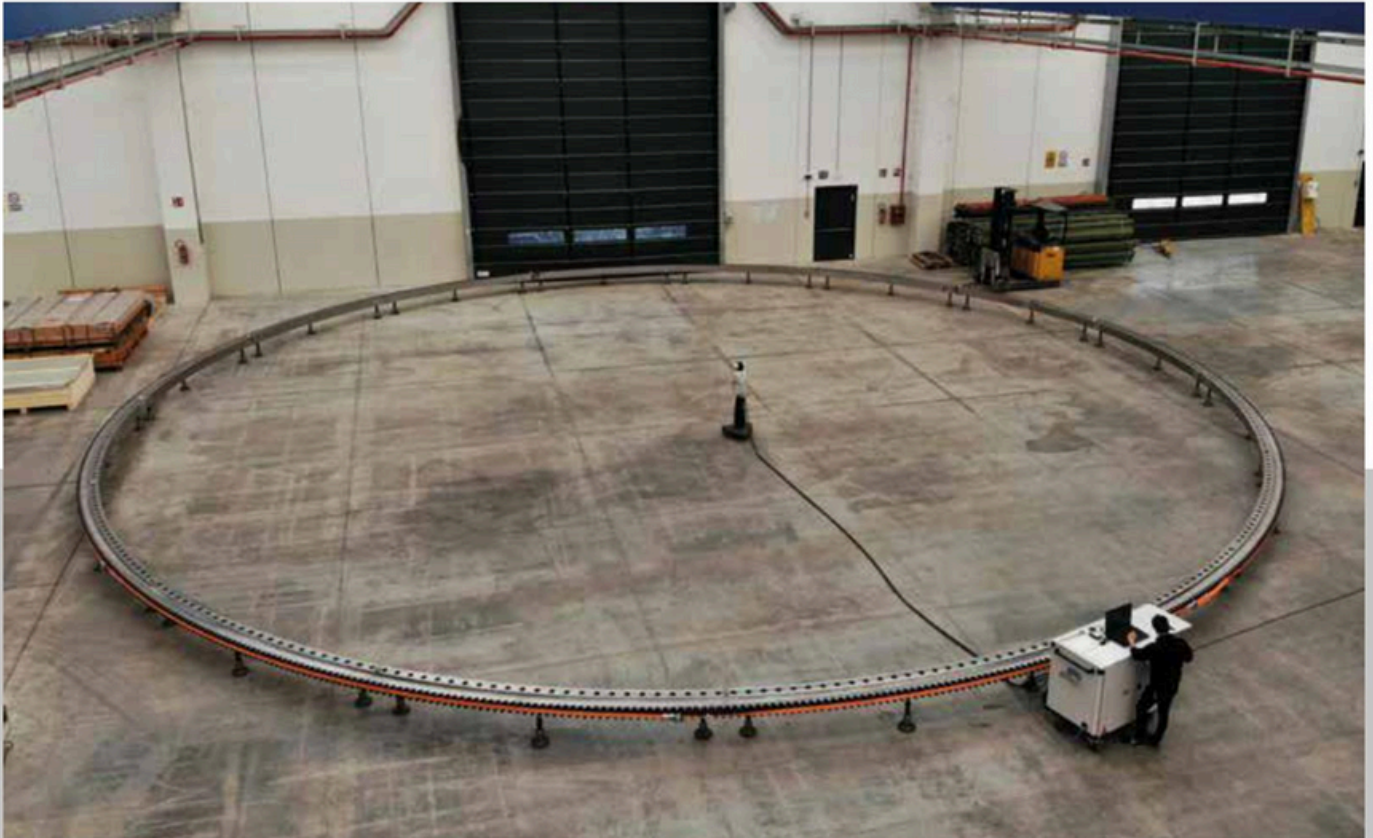
Laboratory Testing Services:

- Chemical analysis for iron, nickel, copper, titanium bases.
- Resilience testing from ambient temperature down to -196°C .
- Tensile testing at ambient temperature.
- Hot tensile testing up to 900°C .
- Bend test on welded joints.
- Brinell hardness test, various loads.
- Vickers hardness test, various loads.
- Average grain size determination.
- Volume fraction determination (ferrite) via manual counting.
- Second phase content determination via automatic method.
- Non-metallic inclusions content determination in steels.
- Metallographic etching and micrograph analysis.
- Austenite spacing measurement.
- Macroscopic examination.
- Intergranular corrosion susceptibility testing in nickel alloys and chromium-rich alloys.
- Intergranular corrosion susceptibility testing in austenitic stainless steels.
- Evaluation of pitting corrosion resistance in stainless steels.
- Determination of deleterious intermetallic phases in duplex austenitic and ferritic stainless steels.
- Density determination of powder metallurgy (PM) materials with less than 2% porosity.
- Laboratory heat treatments in ovens.
- Simulated post-weld heat treatment (SPWHT).

GALPERTI SLEWING RINGS

Slew bearings and rings information

Galperti Tech Forged Products manufactures excellence in large diameter slew bearings, geared rings and related products. Excellence is achieved through state-of-the-art design, manufacturing and testing methods, maximizing the value of the experienced senior engineers' knowledge and the most reliable calculation methods. Design verification is performed with the newest CAD/CAM design tools and FEA analysis programs. A fully integrated, server-based computerized system allows manufacturing control over all phases, supply chain oversight and project management.



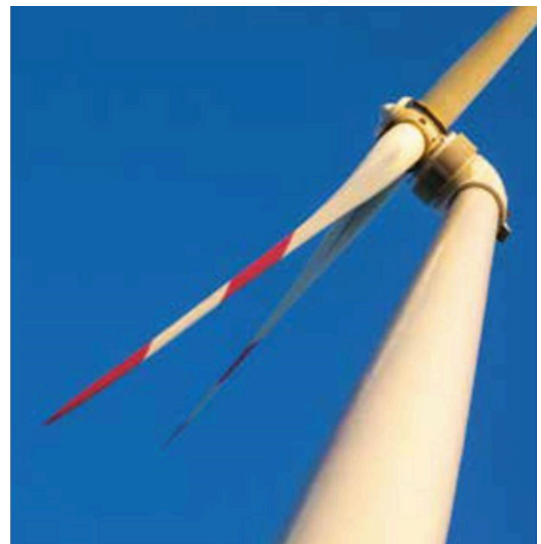
Segmented gear ring



GALPERTI SLEWING RINGS

Slew bearings and rings information

Different applications and requirements demand customized solutions for slew bearings. This entails varying sizes and types of rolling bodies, segmented gear rings and their combinations, different rolling body race paths, and designs. Inner or outer gears, or even no gears, may be required. Galperti Tech Forged Products has the manufacturing capability to produce slew bearings with these customized solutions, ranging dimensionally from a minimum outer diameter of 250 mm to 6.200 mm. This wide range of sizes and product options enables GTFP to serve diverse market segments, including petrochemical applications, the energy industry (including wind power for pitch and yaw bearings, three rows of roller type main bearings, and tower flanges).



ENERGY PROJECTS

Energy dedicated Forged Products

Our internal design resources, together with our highly flexible machining capabilities, allow for in-house design and manufacture of a wide variety of forged products. This enables us to serve a broad range of market segments such as Oil & Gas (Offshore and Onshore), Subsea, Power Generation and pressure vessels



SUBSEA	Field development	Wye Tees Bulk Heads Reducers
	PLEM/PLET	"Forged Rings" Ball Mis-Alignment Flanges Connection pieces
	Riser System	Hanger Spool Coiled Tubing Riser Connectors Tapered Joints Goosenecks Forgings Pad Eye
	Pipeline Installation	J-lay collars Buckle Arrestors CHOCs Centralizers

ON-SHORE	Special Components	Forged Pipes Monoblock Insulating joint
OFF-SHORE	Forged Components	Rings, Pinions, Bars etc
	Assembled Components	Swivel Stacks Utility Swivels Chain Stopper
POWER GENERATION	Forged Components	Shaft Plates Rolls Heavy wall Forged Tubes
	Rolled Rings Built to Drawing	Rings Hollow Forging Shafts Flanges



Hardness test

With automatic direct marking of the hardness value on the item



ENERGY PROJECTS

Energy dedicated Forged Products



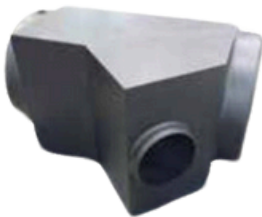
CONNECTING PIECE



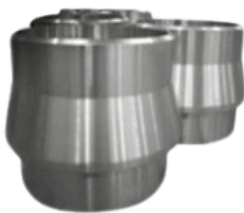
BUCKLE ARRESTOR



FLANGED BLOCK



WYE



FORGED ANCHOR



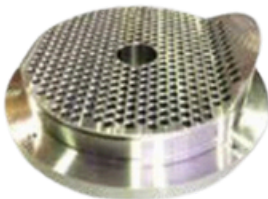
SWIVEL JOINT



FORGED PIPES



PIPE ASSEMBLING



TUBE SHEET



MULTILINES BULKHEAD



NON STANDARD FLANGES



J-LAY COLLARS



INSULATING JOINT



NOZZLE



LONG WELDING NECK

GALPERTI FLANGES

Energy dedicated Products

The standard flange and special flange ranges produced at Galperti Group are available in various dimensional options across a wide range of materials.



The standard type of steel flanges mostly used are:

- Welding Neck Flange
- Slip On Flange
- Socket Weld Flange
- Lap Joint Flange
- Threaded Flange
- Blind Flange

In addition to the most used standard flanges, there are still a number of special steel flanges, such as:

- Orifice Flanges
- Long Welding Neck Flanges
- Weldo Flange
- Nipo Flange
- Expander Flange
- Reducing Flange

Other flanges may be produced based on drawings and other specific requests. Another important parameter for producing your flange is the flange face classification:

- Flate Face (FF)
- Raised Face (RF)
- Ring Type Joint (RTJ)
- Tongue and Groove (T&G)
- Male and Female (M&F)



Materials commonly used for flanges include carbon steel, stainless steel, alloy steel, Inconel, nickel, titanium and others.

GALPERTI FLANGES

G-C® COMPACT FLANGES

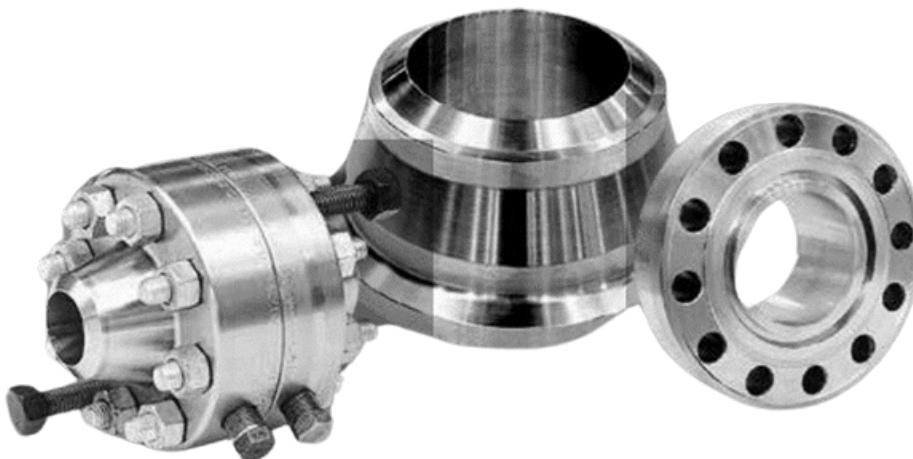
The G-C Compact Flange System® is a well-established alternative to traditional flanged connections commonly used in the oil, gas, petrochemical, and power generation industries. Available in a wide variety of sizes and materials, this system provides versatility, compactness, weight savings, and cost-effectiveness for connecting piping systems.



The G-C Compact Flange System® is designed to meet ANSI B16.5, ASME VIII, API 6A/Q1, and other relevant design codes. The design is approved by Lloyd's Register, DNV, and Stoomwezen.



The system has been fully fire tested in accordance with API 6FB parts 1 and 2, and gas tested to meet all aspects of ASME B31.3 Chapter IX, including a gas test at 1400 bar and 180°C with an applied bending moment.



FORGED TUBES

Special Products

Forged high thickness tubes

Galperti FORGED TUBES are engineered to the highest production standards, ensuring wide applicability in projects with stringent design rules. Designed, manufactured, and tested entirely within the GALPERTI Group, these tubes fully comply with the most rigorous international standards and customer specifications.

Quality assurance

- Our facility is ISO 9001 Certified Quality System.
- Our metallurgy laboratory is ISO 19025 certified, meeting the highest level of project quality assurance requirements.

Size range

- OD From 12" to 30" as standard design.
- Length up to 12 m

Type

- Butt Weld, BW / Fillet Weld,FW

OTHER TEST ACCORDING TO CUSTOMER SPECIFIC REQUIREMENTS SUCH AS:

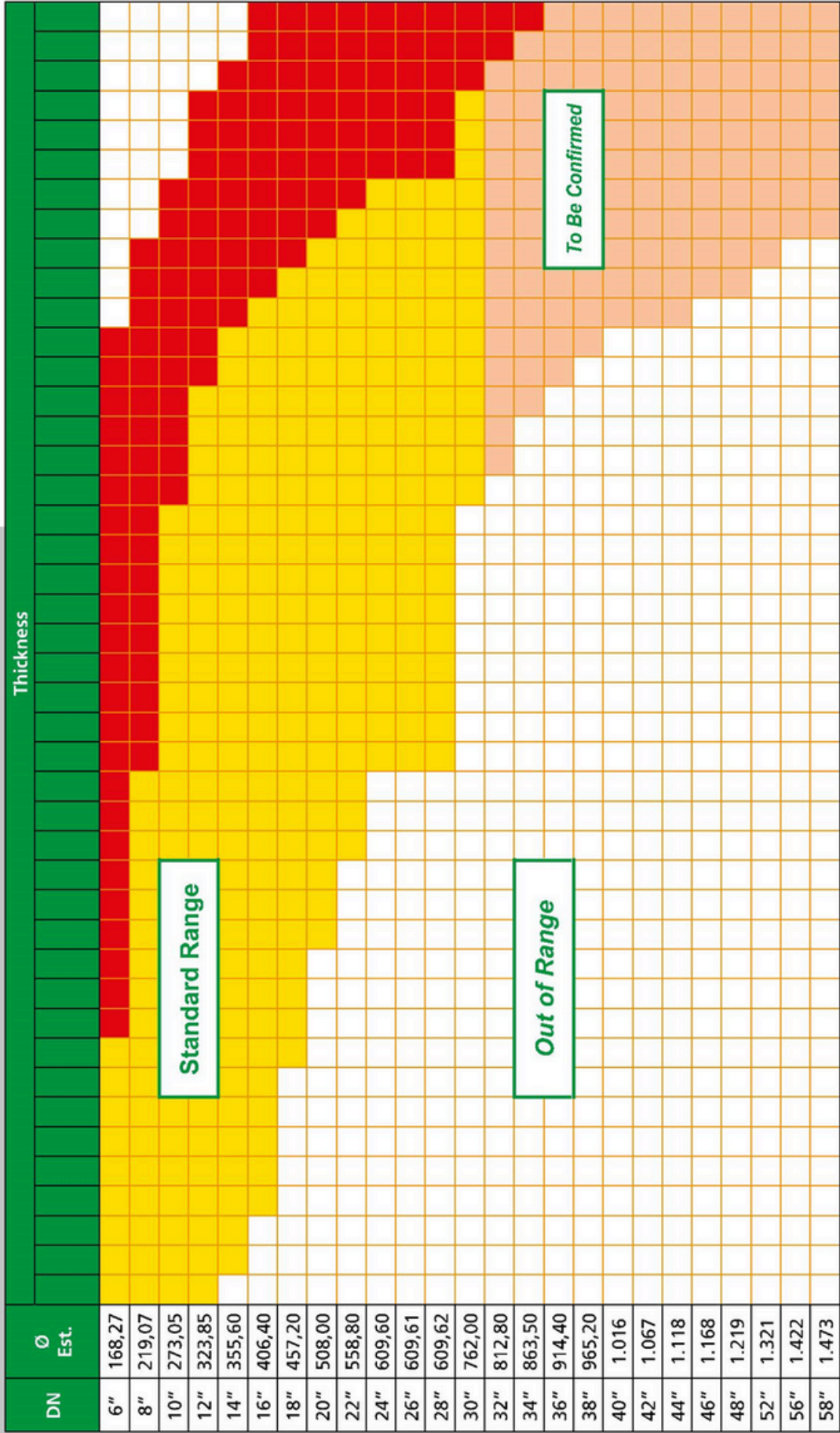
- Hydrostatic pressure and Bending test
- Torsional test
- Hydrostatic Fatigue test
- Combined Hydro-Thermo-Bending test



FORGED TUBES

Special Products

Delivery program



COMMON STANDARDS

- Carbon Steel
- ASTM/ASME A/SA 106
 - ASTM/ASME A/SA 213
 - ASTM/ASME A/SA 333
 - ASTM/ASME A/SA 334
 - ASTM/ASME A/SA 335
 - ASTM/ASME A/SA 369
 - EN10216-2
 - API 5L

- Stainless Steel
- ASTM/ASME A/SA 312
 - ASTM/ASME A/SA 213
 - ASTM/ASME A/SA 182
 - EN 10216-5

- Duplex
- ASTM/ASME A/SA 790
 - ASTM/ASME A/SA 790
 - EN 10216-5

- Special Alloy's
- ASTM/ASME B/SB 444
 - ASTM/ASME B/SB 423

SIZE RANGE

- From 6" to 30" as standard design.
- Length up to 16 m

MONOLITIC INSULATION JOINT

Special Products



The state of the art in Oil&Gas pipeline corrosion protection

GGalperti G-JOINT monolithic insulating joints are employed to electrically isolate sections of pipelines, ensuring optimal efficiency for cathodic protection systems against corrosion. Designed, manufactured, and rigorously tested, these insulating joints meet the highest international standards and customer specifications.

QUALITY ASSURANCE

- Our facility is ISO 9001 Certified Quality System.
- Our metallurgy laboratory is ISO 19025 certified, meeting the highest level of project quality assurance requirements.

DESIGN CALCULATION

- Galperti G-JOINT monolithic insulating joints are designed according to ASME VIII Div.1 and other relevant codes such as ASME B31.3, B31.4, and B31.8, or according to specific client requirements.
- Finite Element Analysis (using ANSYS software) is available upon request.

SIZE RANGE

- From 1/2" to 56"

PRESSURE RATING

- From PN 25 to PN 100.
- Other pressure ratings available upon request.

TYPE

- Butt Weld, BW / Fillet Weld, FW

OTHER TEST ACCORDING TO CUSTOMER SPECIFIC REQUIREMENTS SUCH AS:

- Hydrostatic pressure and Bending test
- Torsional test
- Hydrostatic Fatigue test
- Combined Hydro-Thermo-Bending test

MATERIALS

- PIPE SECTIONS
 - Carbon steel pipes in accordance with API, ASTM, DIN and other standards
 - Rolled plates longitudinally arc welded
- BODY
 - Forged materials or seamless ring made of plate material, depending upon requirements
- SEALING
 - Seals of aging resistant material from nitrile, fluoride and silicone elastomers in accordance with ASTM D-2000
- INSULATING MATERIALS
 - Epoxy-glass laminates or epoxy-glass prefabrications in accordance with ASTM D-709
- COATINGS
 - Internal surfaces: epoxy resins or according to Clients' specific requirements
 - External surfaces: epoxy primers, epoxy paints or according to Clients' specific requirements

WELDING AND NON DESTRUCTIVE TESTING

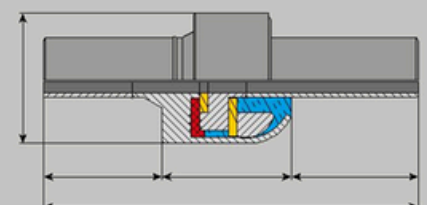
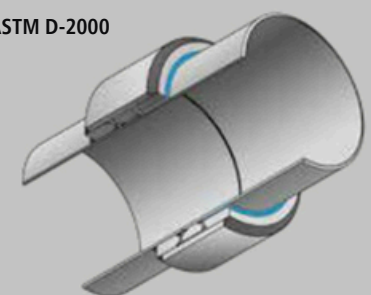
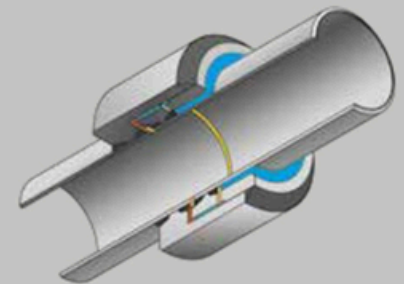
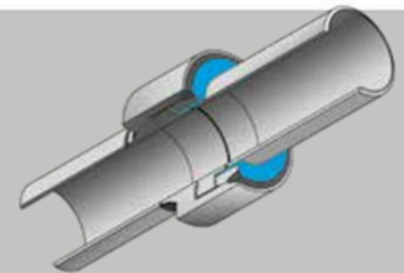
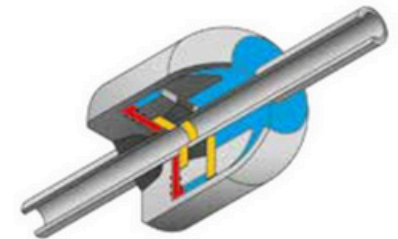
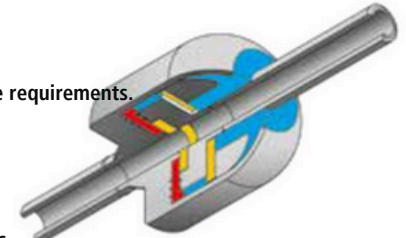
All welding processes adhere strictly to ASME IX standards and are certified by independent international authorities.

Non-destructive testing, including dye penetrant, magnetic particle, X-ray, and ultrasonic inspections, is conducted in accordance with ASME VIII, ASME V, ASME B16.34, ASME SA-388, and other applicable codes.

TESTING

According to the agreed requirements, typically:

- Hydrostatic pressure test (typically 1.5 times the rated pressure)
- Electrical resistant test in dry air (typical 5MΩ with 1kV d.c.)
- Dielectric strength test (typical 3kV with 50Hz a.c. for 1')
- Dimensional checks



MIJ - BW DESIGN

SIZE		PN25 - ANSI Class 300						PN64 - ANSI Class 600						PN100 - ANSI Class 600					
DN		Overall Length	External Diameter	Length	Length	Weight	TYPE	Overall Length	External Diameter	Length	Length	Weight	TYPE	Overall Length	External Diameter	Length	Length	Weight	TYPE
[mm]	[inch]	L [mm]	D [mm]	L1 [mm]	L2 [mm]	W [kg]		L [mm]	D [mm]	L1 [mm]	L2 [mm]	W [kg]		L [mm]	D [mm]	L1 [mm]	L2 [mm]	W [kg]	
15	1/2"	250	70	86,5	77	1,6	1a	250	84	80,75	88,5	2,4	1a	250	86	78,25	93,5	2,7	1a
20	3/4"	250	75	83,5	83	2,0	1a	250	89	77,75	94,5	2,9	1a	250	91	75,25	99,5	3,3	1a
25	1"	250	82	82	86	2,4	1a	250	96	76,25	97,5	3,5	1a	250	98	73,75	102,5	3,9	1a
32	1-1/4"	300	94	104	92	3,2	1a	300	108	96,25	107,5	5,0	1a	300	111	93,25	113,5	5,7	1a
40	1-1/2"	300	101	101	98	4,1	1a	300	122	93,75	112,5	6,5	1a	300	125	91,75	116,5	7,3	1a
50	2"	350	120	123,5	103	6,2	1a	350	135	117,25	115,5	8,4	1a	350	137	112,25	125,5	9,4	1a
65	2-1/2"	350	136	119	112	8,4	1a	350	151	112,25	125,5	11,0	1a	350	154	107,25	135,5	12,8	1a
80	3"	400	150	136,25	127,5	11,5	1a	500	165	181,25	137,5	16,4	1a	500	167	177,25	145,5	17,9	1a
100	4"	400	178	134,75	130,5	21	1a	500	191	176,75	146,5	22	1a	500	193	168,25	163,5	25	1a
125	5"	500	206	182,75	134,5	20	1a	600	244	222,75	154,5	45	2	600	248	209,25	181,5	53	2
150	6"	500	240	181,25	137,5	28	1a	600	279	218,75	162,5	59	2	600	284	202,75	194,5	71	2
200	8"	500	300	178,25	143,5	42	1a	600	338	212,75	174,5	86	2	600	344	191,25	217,5	107	2
250	10"	700	359	274,75	150,5	64	1a	800	407	302,25	195,5	143	2	800	429	280,25	239,5	189	2
300	12"	700	428	273,25	153,5	88	1a	800	458	297,75	204,5	173	2	800	478	275,75	248,5	224	2
350	14"	900	479	349,25	201,5	162	2	1000	498	393,25	213,5	250	2	1000	518	371,25	257,5	308	2
400	16"	900	540	345,75	208,5	201	2	1000	553	388,75	222,5	295	2	1000	577	362,25	275,5	378	2
450	18"	900	592	333,75	232,5	242	2	1000	606	384,25	231,5	339	2	1000	636	351,75	296,5	459	2
500	20"	1000	646	378,25	243,5	289	2	1200	664	478,25	243,5	432	2	1200	692	442,75	314,5	571	2
550	22"	1000	719	376,75	246,5	359	2	1200	734	444,5	311	586	2	1200	763	425,5	349	720	2
600	24"	1000	774	366,75	266,5	415	2	1200	785	440	320	647	2	1200	815	400	400	861	2
650	26"	1000	832	347,25	305,5	522	2	1200	847	426,5	347	801	2	1200	878	391	418	1037	2
700	28"	1100	889	390	320	617	2	1300	906	466	368	949	2	1300	933	436,5	427	1168	2
750	30"	1100	940	385,5	329	672	2	1300	964	457	386	1147	2	1300	994	432	436	1390	2
800	32"	1100	995	376,5	347	810	2	1300	1023	446,5	407	1341	2	1300	1055	427,5	445	1562	2
850	34"	1100	1066	373	354	932	2	1300	1076	442	416	1448	2	1300	1106	421,5	457	1715	2
900	36"	1200	1117	411	378	1059	2	1400	1134	487,5	425	1691	2	1400	1164	467	466	1976	2
950	38"	1200	1179	406,5	387	1247	2	1400	1198	483	434	1929	2	1400	1225	425	550	2440	2
1000	40"	1200	1232	399	402	1354	2	1400	1250	474	452	2139	2	1400	1286	414,5	571	2784	2
1050	42"	1200	1287	390	420	1503	2	1400	1315	466,5	467	2452	2	1400	1341	401	598	3098	2
1200	48"	1400	1448	480	440	1904	2	1800	1468	645,5	509	3241	2	1800	1510	569,5	661	4259	2
1400	56"	1900	1663	695	510	2778	2	2500	1718	963	574	5168	2	2500	1753	877,5	745	6559	2

MIJ - FW DESIGN

SIZE		PN25 - ANSI Class 300							PN64 - ANSI Class 600							PN100 - ANSI Class 600						
DN		Overall Length	External Diameter	Length	Length	Weight	TYPE	Overall Length	External Diameter	Length	Length	Weight	TYPE	Overall Length	External Diameter	Length	Length	Weight	TYPE			
[mm]	[inch]	L [mm]	D [mm]	L1 [mm]	L2 [mm]	W [kg]		L [mm]	D [mm]	L1 [mm]	L2 [mm]	W [kg]		L [mm]	D [mm]	L1 [mm]	L2 [mm]	W [kg]				
15	1/2"	250	70	86,5	77	1,6	1b	250	84	80,75	88,5	2,4	1b	250	86	78,25	93,5	2,7	1b			
20	3/4"	250	75	83,5	83	2,0	1b	250	89	77,75	94,5	2,9	1b	250	91	75,25	99,5	3,3	1b			
25	1"	250	82	82	86	2,4	1b	250	96	76,25	97,5	3,5	1b	250	98	73,75	102,5	3,9	1b			
32	1-1/4"	300	94	104	92	3,2	1b	300	108	96,25	107,5	5,0	1b	300	111	93,25	113,5	5,7	1b			
40	1-1/2"	300	101	101	98	4,1	1b	300	115	93,75	112,5	5,8	1b	300	118	91,75	116,5	6,6	1b			
50	2"	350	120	123,5	103	6,2	1b	350	130	117,25	115,5	7,8	1b	350	132	112,25	125,5	8,8	1b			
65	2-1/2"	350	136	119	112	8,4	1b	350	146	112,25	125,5	10,4	1b	350	149	107,25	135,5	12,0	1b			
80	3"	400	150	136,25	127,5	11,5	1b	500	165	181,25	137,5	16,4	1b	500	167	177,25	145,5	17,9	1b			
100	4"	400	178	134,75	130,5	21	1b	500	191	176,75	146,5	22	1b	500	193	168,25	163,5	25	1b			
125	5"	500	206	182,75	134,5	20	1b	600	244	222,75	154,5	45	3a	600	244	209,25	181,5	50	3a			
150	6"	500	239	181,25	137,5	28	1b	600	279	218,75	162,5	59	3a	600	279	202,75	194,5	67	3a			
200	8"	500	300	178,25	143,5	42	1b	600	334	212,75	174,5	83	3a	600	340	191,25	217,5	103	3a			
250	10"	700	359	274,75	150,5	64	1b	800	403	302,25	195,5	139	3a	800	415	280,25	239,5	170	3a			
300	12"	700	416	273,25	153,5	78	1b	800	454	297,75	204,5	168	3a	800	468	275,75	248,5	208	3a			
350	14"	900	479	349,25	201,5	157	3a	1000	490	393,25	213,5	239	3a	1000	504	371,25	257,5	283	3a			
400	16"	900	539	345,75	208,5	194	3a	1000	547	388,75	222,5	285	3a	1000	563	362,25	275,5	349	3a			
450	18"	900	590	333,75	232,5	233	3a	1000	600	384,25	231,5	328	3a	1000	622	351,75	296,5	423	3a			
500	20"	1000	644	378,25	243,5	279	3a	1200	654	478,25	243,5	411	3a	1200	676	442,75	314,5	524	3a			
550	22"	1000	709	376,75	246,5	335	3b	1200	724	444,5	311	555	3b	1200	743	425,5	349	649	3b			
600	24"	1000	764	366,75	266,5	387	3b	1200	775	440	320	613	3b	1200	795	400	400	774	3b			
650	26"	1000	824	347,25	305,5	495	3b	1200	837	426,5	347	762	3b	1200	849	391	418	908	3b			
700	28"	1100	877	390	320	571	3b	1300	896	466	368	904	3b	1300	904	436,5	427	1028	3b			
750	30"	1100	932	385,5	329	639	3b	1300	954	457	386	1096	3b	1300	964	432	436	1236	3b			
800	32"	1100	983	376,5	347	754	3b	1300	1003	446,5	407	1249	3b	1300	1025	427,5	445	1396	3b			
850	34"	1100	1054	373	354	871	3b	1300	1066	442	416	1387	3b	1300	1076	421,5	457	1534	3b			
900	36"	1200	1105	411	378	990	3b	1400	1128	487,5	425	1652	3b	1400	1134	467	466	1782	3b			
950	38"	1200	1179	406,5	387	1247	3b	1400	1178	483	434	1813	3b	1400	1185	425	550	2139	3b			
1000	40"	1200	1232	399	402	1354	3b	1400	1232	474	452	2033	3b	1400	1256	414,5	571	2552	3b			
1050	42"	1200	1287	390	420	1503	3b	1400	1295	466,5	467	2314	3b	1400	1311	401	598	2846	3b			
1200	48"	1400	1448	480	440	1904	3b	1800	1458	645,5	509	3174	3b	1800	1498	569,5	661	4149	3b			
1400	56"	1900	1663	695	510	2778	3b	2500	1678	963	574	4729	3b	2500	1698	877,5	745	5797	3b			

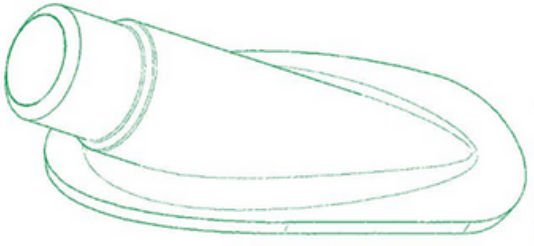
FORGED GOODS

Special Products

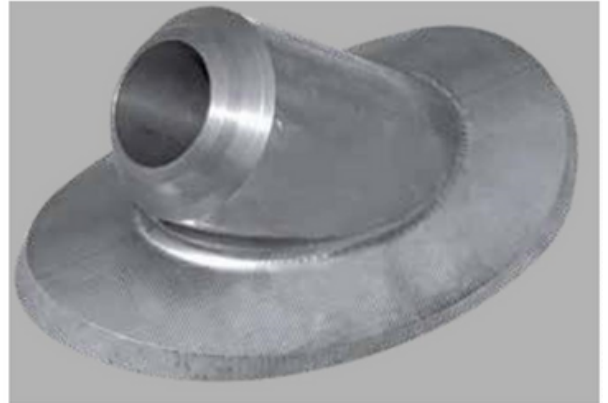
Forged fitting for energy project

Galperti FORGED FITTINGS include transition pieces, nozzles, self-reinforced nozzles and tube plates, designed to the highest production standards to ensure broad applicability in projects with rigorous design requirements. These fittings are designed, manufactured and tested entirely within the GALPERTI Group, adhering strictly to the most stringent international standards and customer specifications.

From design



To final production and tests



QUALITY ASSURANCE

- Our facility is ISO 9001 Certified Quality System.
- Our metallurgy laboratory is ISO 19025, to meet highest level of Project quality assurance requirements.

SIZE RANGE

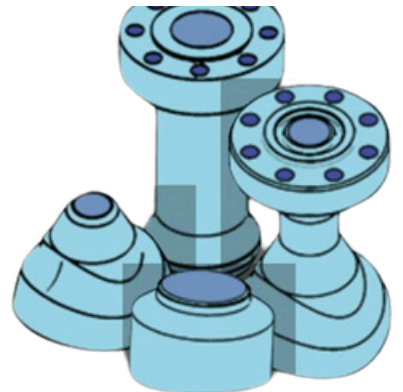
- From 1/2" to 30" OD as standard design

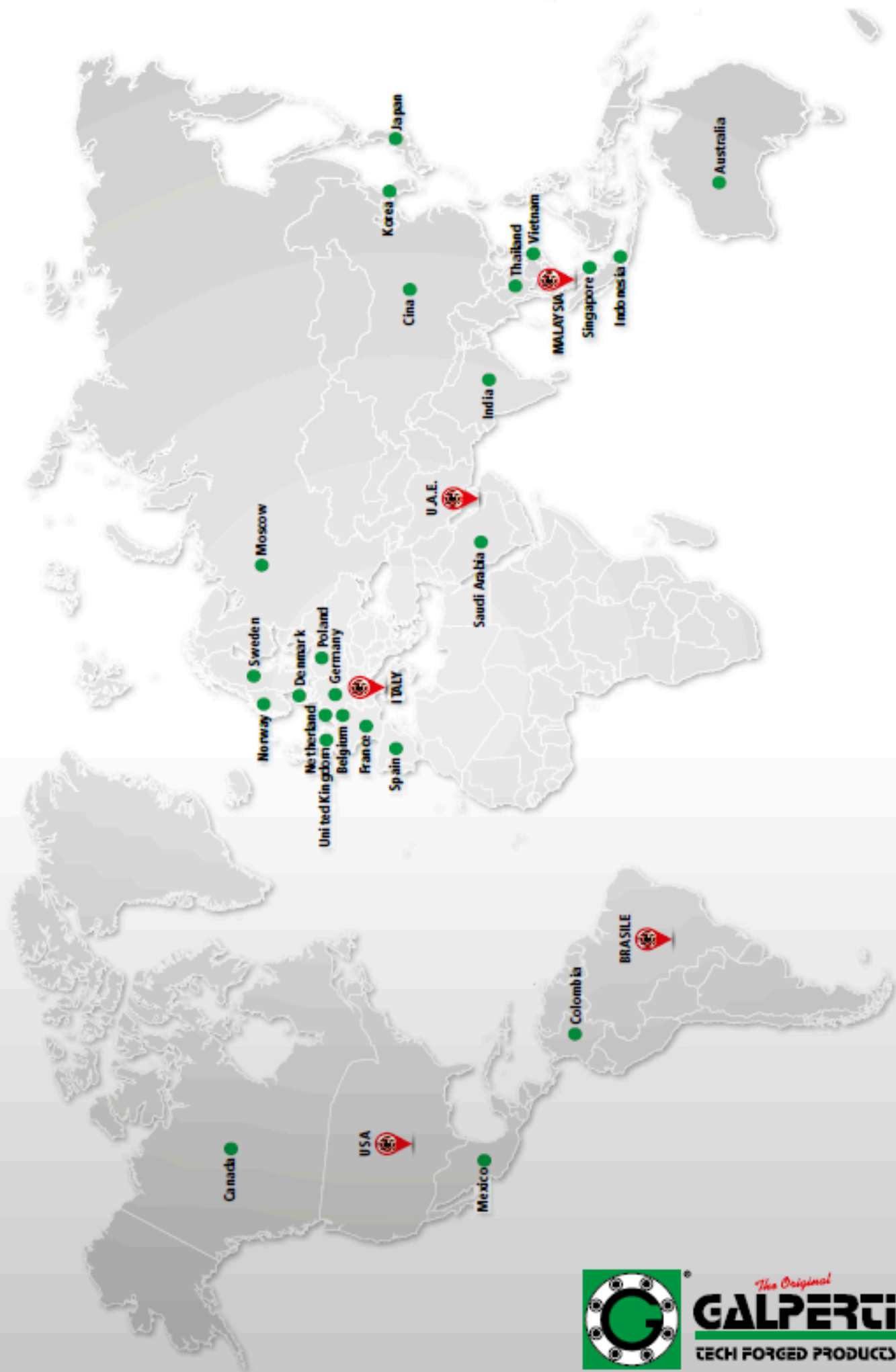
TYPE

- Butt Weld, BW / Fillet Weld, FW

OTHER TEST ACCORDING TO CUSTOMER SPECIFIC REQUIREMENTS SUCH AS:

- Hydrostatic pressure and Bending test
- Torsional test
- Hydrostatic Fatigue test
- Combined Hydro-Thermo-Bending test





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