



Couplings and Accessories

VISION

Most Valuable Player in Oil Country Tubular Goods league

MISSION

We process and supply Oil Country Tubular Goods as to meet and exceed expectations of our clients – reliably and efficiently, addressing all their needs and making quality our cornerstone to gain their credibility and recognition.





Introduction to SERCO

Service Compagnie (SERCO) is an independent French processor of a wide range of Oil Country Tubular Goods (OCTG) utilized in oil and gas exploration and production.

The Company started in 1999 in Pau, South-West of France, and was originally engaged in rental of down-hole tools and provision of fishing and remedial services for the drilling sites nearby.

In 2000, the Company was licensed by the American Petroleum Institute for threading of casing and tubing, rotary-shouldered connections and manufacture of drill stem components (API 5CT, API 6A, API 7).

By increasing the capacity of the original machine shop in the following years, SERCO started manufacture of fishing and down-hole tools on its own. Branded with the name of SERCO, our products have quickly gained customers' recognition for excellent performance, quality and durability.

Mid-2000s SERCO went international and became active in Europe, North and West Africa and the Middle East, focusing on junior oil and gas companies.

In 2010 the Company ceased provision of fishing and remedial services and set new ambitious objectives. Oil Country Tubular Goods and related products were made SERCO's core business activity.

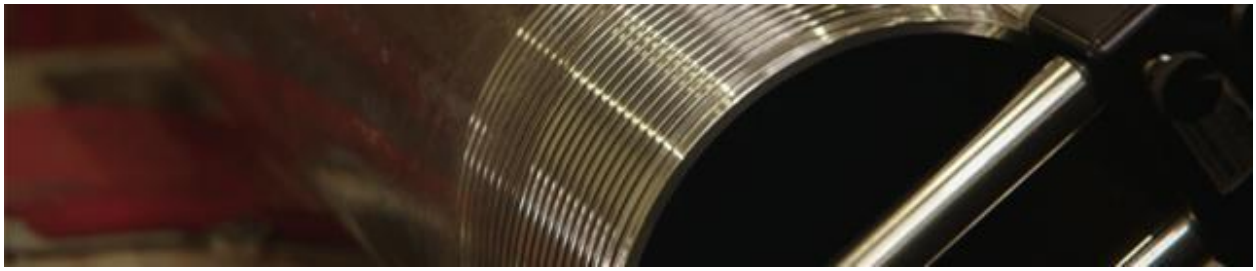
A brand-new production facility was launched in Pau in January 2012. And already in 2014 it was extended with surface treatment, painting and swaging lines, being the second turn of the Company's development project.

Today, SERCO operates the most modern and one of the biggest machine shops in Western Europe dedicated to manufacture of OCTG and accessories.

Located in proximity to Pau international airport and main motorways, within a driving distance to the ports on the Atlantic and Mediterranean coast of France, SERCO is fully geared up for business in Europe and abroad.

Equipped to the latest industrial standards, employing devoted and highly-trained personnel, SERCO aims at becoming a trusted and distinguished manufacturer and a valuable link in a supply chain of our customers.





Quality Policy

SERCO supplies products and provides services in full compliance with customers' requirements, always meeting or even exceeding their expectations for quality and reliability.

Quality Audit Plan provides a means to regularly evaluate the adequacy and effectiveness of our processes in the pursuit of continuous improvement.

Application of our Quality Policy guarantees that our aim is to constantly improve our work methods and quality of our products and services:

- Quality Department independence
- Control of purchases and suppliers
- Manufacturing optimization
- Zero-defect production
- Strict stock control
- Active HSE policy

Quality Policy is revised annually for its adequacy during Management Reviews. Company's General Manager reviews and approves all revisions prior to inclusion into the Quality Manual.

HSE Policy

We constantly ensure that our work environment is kept safe and secure, applying strict control of all risks potentially impacting our personnel, our visitors, our suppliers and our neighbours. This Policy is fully supported by the Company's management, who provides all resources and means for its enforcement by the HSE Leader.

Our objectives:

- Maintain work environment clean and safe
- Identify and eliminate all risks and safety hazards
- Aim to accident-free performance, in all cases
- Respect and protect the nature
- Spare water and energy, take good care of air quality and soil





Certificates and Licenses

SERCO has been manufacturing API casing and tubing since 2000 and continues to be at the forefront of pipe processing industry today.

Since we first received our API 5CT License, we have been constantly working on extending its scope, by adding up production capacity, from a Threader in 2000 to a Threader, Manufacturer of Couplings, Manufacturer of Accessories and Manufacturer of Pup Joints in 2011.

Our API 7-2 License covers Threading for Rotary Shouldered Connections. It has been one of the main Company's activities for more than 10 years now.

Quality Management System of the Company meets the requirements of API Spec Q1 and ISO 9001:2015, which is confirmed by the relevant certificates of the American Petroleum Institute.

Competitive Edge

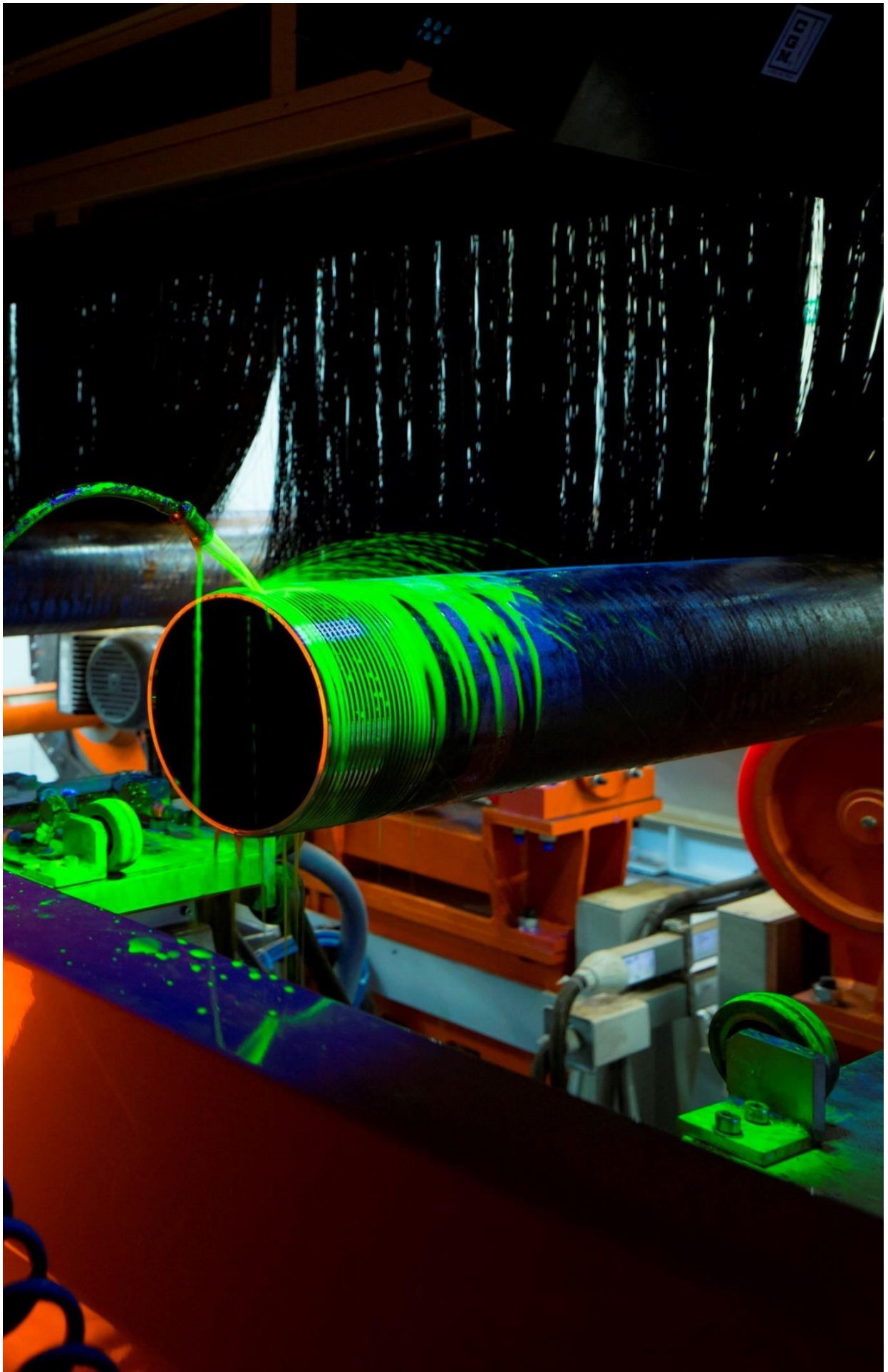
SERCO is a small team of industry professionals – young, dynamic, skilled and dedicated. We set ambitious objectives and get them achieved.

High automation level of the main production processes helps the Company to keep its structure lean, with polyvalent personnel trained to operate a number of production units and cope with different tasks every day.

The Company is running best-in-class equipment, supplied by renown European manufacturers, leaders in their segments. Faster production cycle means lesser operating costs and shorter delivery time.

We have 15 years of uninterrupted experience holding API 5CT License and machining Oil Country Tubular Goods. We got mature in machining API threads and came to proprietary connections, possessing practical knowledge and know-how.

SERCO has got track records with oil and gas companies, including international majors, in main producing regions worldwide. Quality of our products has made them our return customers, and their satisfaction is our main objective.





Products and Services

Casing and tubing

SERCO provides full range of high quality casing and tubing, threaded with all API and premium connections, from 1.050" to 4-1/2" OD for tubing and from 4-1/2" to 20" OD for casing.

Depending on customers' requirements, SERCO offers welded or seamless tubulars in all conventional API grades up to Q125 (PSL-3) and certain proprietary high strength, high collapse, sour service and low temperature grades, as well as chromium and nickel alloys.

Depending on the size mix, total threading capacity of the Company is exceeding 100000 tons of Oil Country Tubular Goods a year.

SERCO is a stocking distributor of OCTG. Finished tubulars are kept in our stockyard with the total storage area exceeding 30000 sq. meters. Most of the popular sizes and grades of OCTG are readily available for immediate dispatch to the Company's clients.

Accessories

Couplings, flow couplings, pup joints, blast joints, subs and cross-overs

Services

- Inspection and repair of drill strings and Oil Country Tubular Goods
- Drifting, cleaning, painting, lining
- Surface treatment (Zn-, Mn-phosphating, copper plating)
- Pipe management services (handling, racking, tallying, bundling, storing)

Engineering

At SERCO, we have the trained machinists and engineers who can help converting our clients' project specific requirements into precise functional products. No matter how small or big the requirements are, SERCO is capable to provide a solution for niche end products that our clients may need from time to time, using the latest technology with scalable, multi-stage, in-house production capabilities.





Manufacture of Accessories

Couplings for Casing and Tubing

SERCO is a Licensee of the American Petroleum Institute for manufacture of couplings for casing and tubing per API Spec 5CT.

Coupling stock is supplied according to the Company's requirements to cover the entire range of sizes and grades.

All materials, irrespectively of their origin, have to pass incoming inspection before they are taken into the Company's inventory.

Coupling stock is cut into coupling blanks at two sawing lines, both of the same capacity in terms of the sizes and cycle time.

Coupling blanks are passed onto the automated coupling cells. There are two CNC coupling cells operated by SERCO, one is dedicated to small and mid-size range of couplings, and the other one – from mid-size to 20" (545 mm) OD.

Roughing of the external surface and machining of the internal (threaded) surface of couplings is done in the coupling cells.

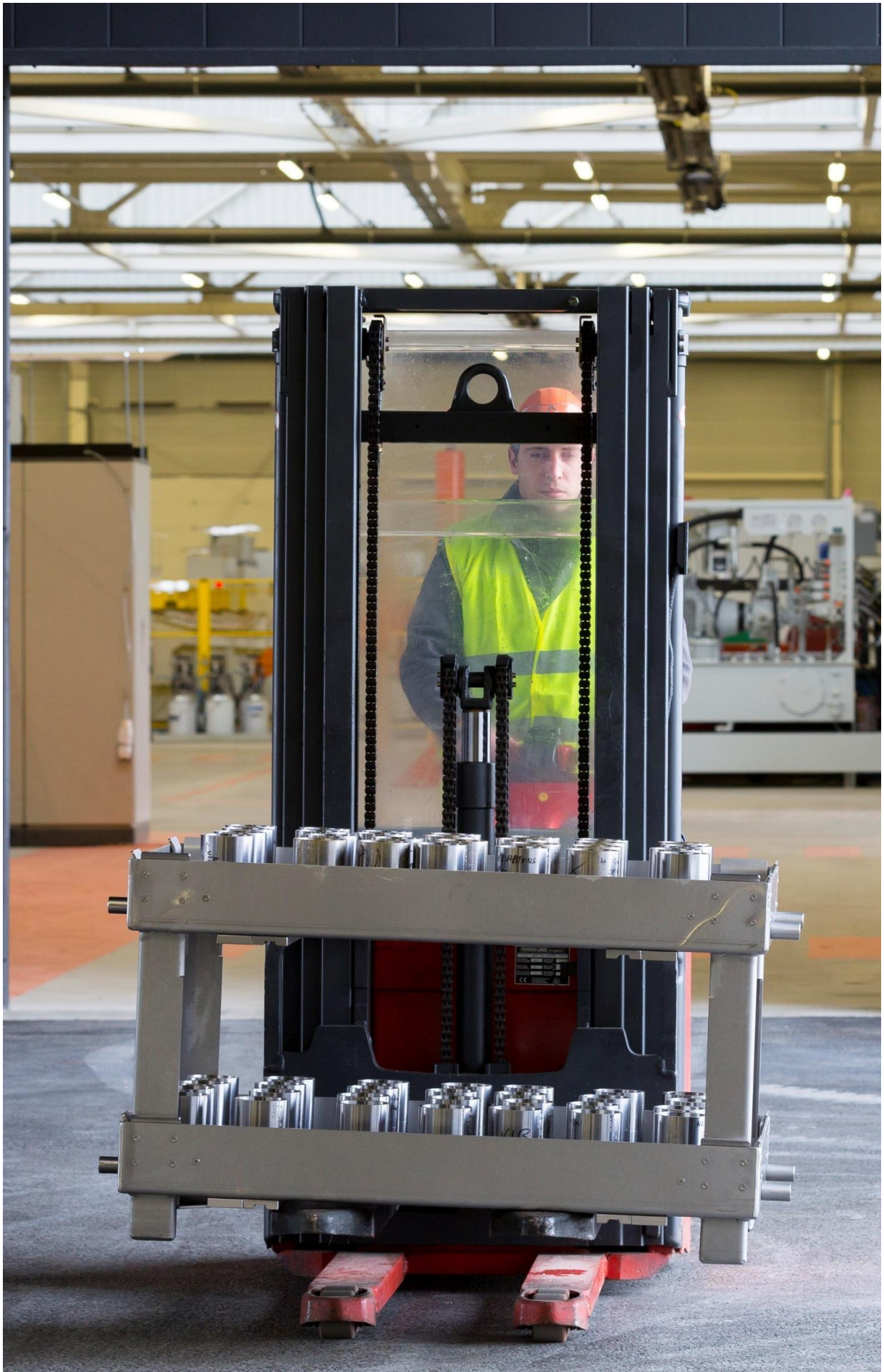
After that, couplings are visually inspected and passed further onto the wet magnetic particle inspection (MPI) units.

After wet MPI, couplings are put into baskets and sent for surface treatment (Zn-, Mn-phosphating or copper plating).

SERCO is running a fully automated and highly sophisticated surface treatment plant, which is one of the best in class in terms of health, safety and environmental protection.

Having left the surface treatment plant, dry couplings are loaded into the painting line with the help of a robotic manipulator. External surface of all couplings is painted with UV-lacquer for grade identification, and marking by stencilling is applied.

Finished couplings are stored in-house before they are called off to the pipe threading line or dispatched to the customers.





Coupling Dimensions and Weight

Casing Couplings - Short (SC) and Long (LC) Round Thread

Casing OD	Coupling OD		Minimum Length				Mass			
			SC		LC		SC		LC	
in	in	mm	in	mm	in	mm	lbs	kg	lbs	kg
4-1/2	5.000	127.00	6-1/4	158.75	7	177.80	7.98	3.62	9.16	4.15
5	5.563	141.30	6-1/2	165.10	7-3/4	196.85	10.27	4.66	12.68	5.75
5-1/2	6.050	153.67	6-3/4	171.45	8	203.20	11.54	5.23	14.15	6.42
6-5/8	7.390	187.71	7-1/4	184.15	8-3/4	222.25	20.11	9.12	25.01	11.34
7	7.875	200.03	7-1/4	184.15	9	228.60	18.49	8.39	23.87	10.83
7-5/8	8.500	215.90	7-1/2	190.50	9-1/4	234.95	27.11	12.30	34.46	15.63
8-5/8	9.625	244.48	7-3/4	196.85	10	254.00	35.79	16.23	47.77	21.67
9-5/8	10.625	269.88	7-3/4	196.85	10-1/2	266.70	39.75	18.03	56.11	25.45
10-3/4	11.750	298.45	8	203.20	-	-	45.81	20.78	-	-
11-3/4	12.750	323.85	8	203.20	-	-	49.91	22.64	-	-
13-3/8	14.375	365.12	8	203.20	-	-	56.57	25.66	-	-
16	17.000	431.80	9	228.60	-	-	76.96	34.91	-	-
18-5/8	20.000	508.00	9	228.60	-	-	119.07	54.01	-	-
20	21.000	533.40	9	228.60	11-1/2	292.10	95.73	43.42	126.87	57.04

Casing Couplings – Buttress (BC) Thread

Casing OD	Coupling OD				Minimum Length		Mass			
	Regular		Special Clearance				Regular		Special Clearance	
in	in	mm	in	mm	in	mm	lbs	kg	lbs	kg
4-1/2	5.000	127.00	4.875	123.82	8-7/8	225.42	10.12	4.55	7.68	3.48
5	5.563	141.30	5.375	136.52	9-1/8	231.78	13.00	5.85	8.82	4.00
5-1/2	6.050	153.67	5.875	149.22	9-1/4	234.95	14.15	6.36	9.85	4.47
6-5/8	7.390	187.71	7.000	177.80	9-5/8	244.48	23.24	11.01	12.46	5.65
7	7.875	200.03	7.375	187.32	10	254.00	24.49	10.54	13.84	6.28
7-5/8	8.500	215.90	8.125	206.38	10-3/8	263.52	34.88	15.82	20.47	9.29
8-5/8	9.625	244.48	9.125	231.78	10-5/8	269.88	45.99	20.86	23.80	10.80
9-5/8	10.625	269.88	10.125	257.18	10-5/8	269.88	51.05	23.16	26.49	12.02
10-3/4	11.750	298.45	11.250	285.75	10-5/8	269.88	56.74	25.74	29.52	13.39
11-3/4	12.750	323.85	-	-	10-5/8	269.88	61.80	28.03	-	-
13-3/8	14.375	365.12	-	-	10-5/8	269.88	70.03	31.77	-	-
16	17.000	431.80	-	-	10-5/8	269.88	88.81	40.28	-	-
18-5/8	20.000	508.00	-	-	10-5/8	269.88	138.18	62.68	-	-
20	21.000	533.40	-	-	10-5/8	269.88	110.45	50.10	-	-

Depending on customer's requirements, couplings may be Zn- or Mn-phosphated.





Coupling Dimensions and Weight

Tubing Couplings – Round Thread, Non-Upset Pipe Ends (NU)

Tubing OD	Coupling OD		Minimum Length		Threads per inch	Mass	
	in	mm	in	mm		lbs	kg
1.050	1.313	33.35	3-3/16	80.96	10	0.51	0.23
1.315	1.660	42.16	3-1/4	82.55	10	0.84	0.38
1.660	2.054	52.17	3-1/2	88.90	10	1.29	0.59
1.900	2.200	55.88	3-3/4	95.25	10	1.23	0.56
2-3/8	2.875	73.02	4-1/4	107.95	10	2.82	1.28
2-7/8	3.500	88.90	5-1/8	130.18	10	5.15	2.34
3-1/2	4.250	107.95	5-5/8	142.88	10	8.17	3.71
4	4.750	120.65	5-3/4	146.05	8	9.58	4.35
4-1/2	5.200	132.08	6-1/8	155.58	8	10.77	4.89

Tubing Couplings – Round Thread, Externally Upset Pipe Ends (EU)

Tubing OD	Coupling OD				Minimum Length		Threads per inch	Mass			
	Regular and Special Bevel		Special Clearance					Regular and Special Bevel		Special Clearance	
	in	in	mm	in	mm	in		mm	lbs	kg	lbs
1.050	1.660	42.16	-	-	3-1/4	82.55	10	0.84	0.38	-	-
1.315	1.900	48.26	-	-	3-1/2	88.90	10	1.26	0.57	-	-
1.660	2.200	55.88	-	-	3-3/4	95.25	10	1.49	0.68	-	-
1.900	2.500	63.50	-	-	3-7/8	98.42	10	1.85	0.84	-	-
2-3/8	3.063	77.80	2.910	73.91	4-7/8	123.82	8	3.43	1.55	2.35	1.07
2-7/8	3.668	93.17	3.460	87.88	5-1/4	133.35	8	5.30	2.40	3.42	1.55
3-1/2	4.500	114.30	4.180	106.17	5-3/4	146.05	8	9.03	4.10	5.24	2.38
4	5.000	127.00	-	-	6	152.40	8	10.63	4.82	-	-
4-1/2	5.563	141.30	-	-	6-1/4	158.75	8	13.33	6.05	-	-

Available Grades

Group 1		Group 2		Group 3		Group 4	
Grade	Type	Grade	Type	Grade	Type	Grade	Type
H40		L80	1	P110		Q125	1
J55		L80	9Cr				
K55		L80	13Cr				
N80	1	C90	1				
N80	Q	T95	1				

Type of surface treatment: Zn- or Mn-phosphating, copper plating. Tubing couplings are available with 20° special bevel and special clearance optional features, as applicable per API 5CT.





Pup Joints and Crossover Joints

Any size and weight, within the range of tubing and casing sizes processed by the Company, i.e. from 2-3/8" (60.30 mm) to 20" (508.00 mm). Manufacture of non-standard / odd sizes and weights is possible on request.

Grades:

Group 1		Group 2		Group 3		Group 4	
Grade	Type	Grade	Type	Grade	Type	Grade	Type
H40		M65		P110		Q125	1
J55		L80	1				
K55		L80	9Cr				
N80	1	L80	13Cr				
N80	Q	C90	1				
		T95	1				

Product Specification Level: PSL-1, PSL-2, PSL-3.

Connections: all API connections or their combination. Certain proprietary connections (licensed and own) may be cut on special arrangement.

Length: standard or customized length, to be specified with the order.

Perforated or slotted pup joints with standard or customized pattern can be manufactured on request.

Casing and Tubing Crossovers

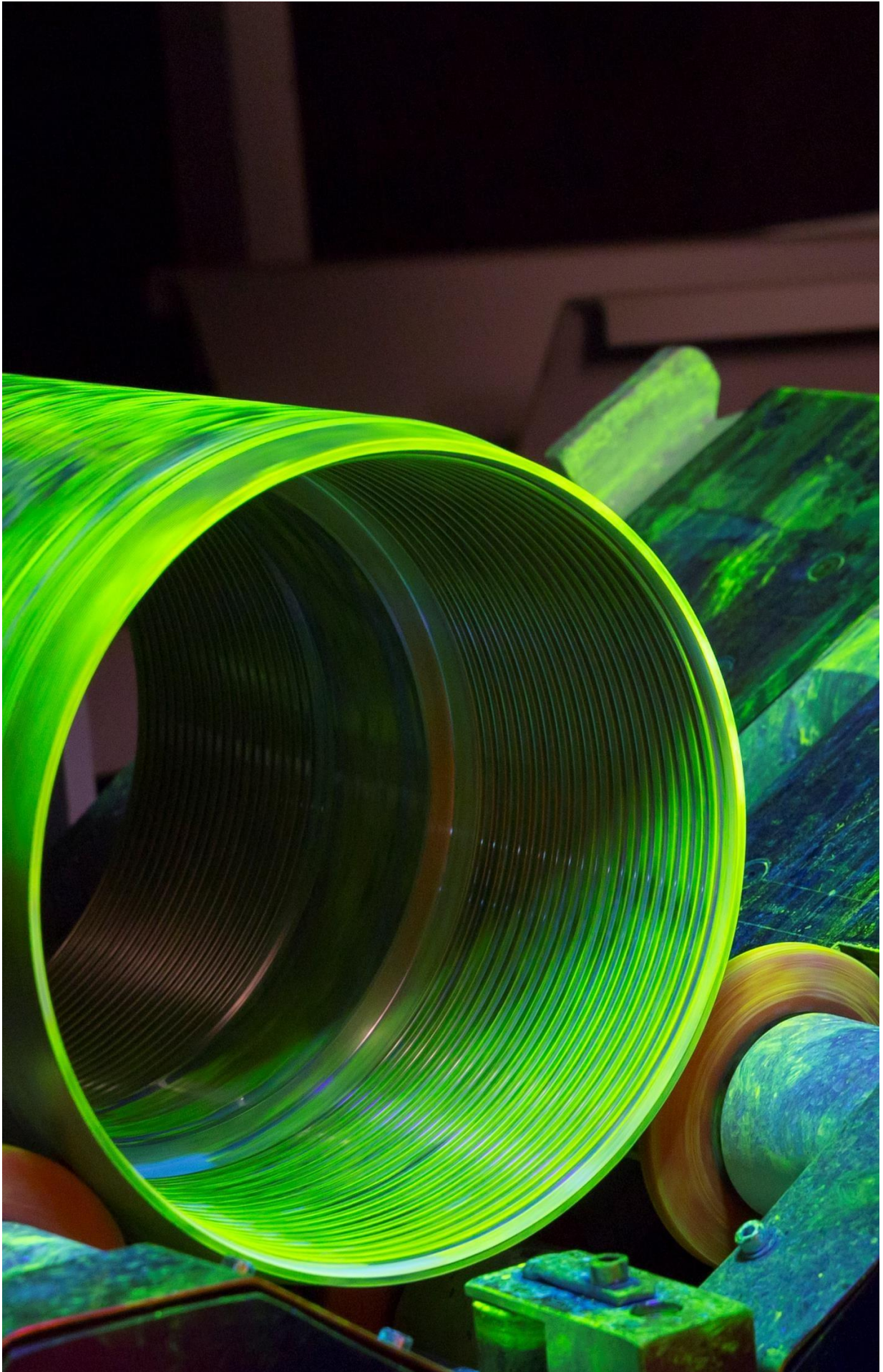
Size to size, weight to weight, thread to thread crossovers are manufactured by the Company. Length of the crossovers is to be specified with the order.

Flow couplings, blast joints, nipples

Manufactured in all grades within the scope of the Company's API 5CT License, in all sizes and weights, in standard or customized lengths.

Other

Manufacture of accessories to customer prints.





Contacts

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