Specialist of:

Forged fittings
Branch outlets
& API couplings

- CARBON STEEL
- ALLOY STEEL
- STAINLESS STEEL
- DUPLEX & SUPER DUPLEX
- NICKEL ALLOY
& OTHER EXOTICS

DELCORTE S.A.S
MAUBEUGE • FRANCE
Since 1924
INTRODUCTION

We are pleased to introduce you Delcorte, specializing in the design and production of high pressure forged fittings and branch outlets in all grades.

The company is composed of 3 divisions for the carbon steel forged fittings, stainless steel forged fittings and the branch outlets.

These 3 divisions produce under the same brand, internationally recognized. Our products have been used for decades in the oil and gas industry, chemical and petrochemical industries, power plants and many other industries.

Our sales team offers its expertise to a wide variety of customers, from the stockists to the end-users and is trained to help answer the needs of their clients.

Since its creation in the 1920’s the company has acquired a rich experience around the world, making it one of the most reliable partners in terms of quality of the products supplied, quality in the service and customer care.

The family company is now headed by the 5th generation who benefits from the experience of the past but looks towards the future, investing in new machinery dedicated to increasing the productivity and to meeting customers’ requirements.

Hubert, Ludovic & Guillaume DELCORTE
Management team

SUMMARY

I. INTRODUCTION
• Our contacts
• Key historical events
• Key numbers
• Markets served

II. PRODUCTION PROCESS
• High pressure division
• Reinforced branch connections
• Special forged pieces & buttweld fittings
• API couplings division
• Low pressure division

III. QUALITY CONTROL
• Engineering solutions
• Testing & inspection facilities
• Services
• Manufacturing / packing /delivery
• Certifications
• Approvals
OUR CONTACTS

Marie DELCORTE  
Project Manager  
Tel: +33 327 691 432  
mdelcorte@delcorte.com

Pierre Julien DENIS  
Sales Assistant EUROPE  
Tel: +33 327 691 400  
pdenis@delcorte.com

Nathalie JEUNIAUX  
Sales Manager  
Tel: +33 327 691 412  
nathalie@delcorte.com

Amelie DELCOURT  
Sales Assistant Europe /  
Middle East / Asia  
Tel: +33 327 691 431  
amelie@delcorte.com

Karine ROY  
Area Sales Manager Europe / Americas  
Tel: +33 327 691 417  
karine@delcorte.com

Veronique BAAS  
Certificates  
certificates@delcorte.com

Christine MENUGE  
Sales assistant Middle East / Asia Pacific  
Tel: +33 327 691 438  
christine@delcorte.com

Sarah DUWEZ  
Tel: +33 327 691 434  
sarah@delcorte.com

David BOSCH  
Tel: +33 327 659 612  
machinetools@delcorte.com

Stephanie VANDERSTICHELLEN  
Sales assistant Middle East / Europe  
Tel: +33 327 691 437  
stephanie@delcorte.com

Didier BRIMONT  
Tel: +33 327 691 434  
dbrimont@delcorte.com

Guillaume HAUTIER  
Tel: +33 327 659 612  
ghautier@delcorte.com

Esther HOLLE  
Sales Assistant  
Europe / Middle East / Asia Pacific  
Tel: +33 327 691 416  
esther@delcorte.com

Beatrice VANMULLEN  
Import-Export logistics Coordinator  
beatrice@delcorte.com

Laurene BAILLEUX  
Sales Assistant Europe / Americas  
Tel: +33 327 691 414  
laurenne@delcorte.com

Marie-Christine Gillot  
Import-Export logistics Coordinator  
ship.dpt@delcorte.com
**KEY HISTORICAL EVENTS**

- **1924:** Creation of the company
- **60’s:** Creation of a stocking facility and distribution agency in the South of France
- **70’s:** The start of the production of Forged Carbon Steel Fittings and Wrought Steel Fittings.
  - A hot dip galvanization line is launched in our steel coupling plant
- **80’s:**
  - Production started for API SL & API SCL couplings;
  - Delcorte set up a new plant for the production of steel nipples and tubulars;
  - Delcorte took over SAPAG, the French leader in the field of Carbon Steel High Pressure Fittings;
  - Delcorte started the production of Stainless Steel High Pressure Fittings
- **90’s:** Delcorte created a new unit for the production of Special Fittings
- **2002:** Delcorte took over the largest German couplings producer Jähn GmbH.
- **2010:** Delcorte gets a TÜV Burst Test Certificate for its reinforced branch fittings range of products
- **2016:** Delcorte took over the UK based Tube Fittings producer. Creation of D.MEC Delcorte Middle East Corporation to distribute JD Products in Turkey and neighboring countries.
- **2013 - 2015:** Substantial investment in Design & Production of a new generation of robotized machines to produce forged fittings

**KEY NUMBERS**

since 1924

- 250 employees
- over 8,000 tons of raw materials
The overall production is dedicated to export market in more than 60 countries.

Products are used in the assembly of piping systems for:
- oil and gas
- nuclear
- chemical & petrochemical
- steam & water
- subsea & specific application

Worldwide presence in many oil & gas projects

90 years of know-how and experience on the market of pipeline components

1 Oil & natural gas drilling, production, transportation
2 Subsea engineering
3 Refineries / Power plants
4 Chemical / Petrochemical plants
• Tees
• Caps
• Plugs
• Crosses
• Elbows
• Nipples
• Unions
• Couplings
• Bull plugs
• Swage nipples etc.

FORGED STEEL, STAINLESS STEEL, DUPLEX, SUPER DUPLEX & NICKEL ALLOY FITTINGS FROM 1/8” UP TO 6”

Dimensions according to ASME B16.11, MSS SP95, BS 3799, MSS SP83

► RATING: 2000/3000/6000/9000/10000
► ENDS: NPT/BSP/SW/Metric & Special threads
► FINISHING: Black, hot dip galvanizing, electro plating,
► STAINLESS STEEL: Pickled & Passivated

REINFORCED BRANCH CONNECTIONS

BRANCH OUTLET:
• Weld-outlet
• Sock-outlet
• Thread-outlet
• Nip-outlet
• Elb-outlet
• Lat-outlet

INSERT BRANCH OUTLET:
• Sweep-outlet
• Insert weld-outlet
• Insert lateral-outlet

FLANGED BRANCH OUTLET:
• Flange-outlet
• Nipoflange-outlet
• Elbo Flange-outlet
• Insert Flange-outlet
• API 6A/6BX Flange-outlet
MATERIALS: Carbon steel, high yield carbon steel, alloy steel, stainless steel, duplex, super duplex, nickel alloy, special alloys and others.

On customers request DELCORTE designs and produces BW & Special heavy wall fittings up to 48"
- Lateral tee
- Target tee
- Wye pieces
- Barred tee
- Flanged tee
- Special parts, etc.

BUTTWELD FITTINGS ASME B16.9 FROM SOLID FORGINGS FROM ½" UP TO 48"
API 5CT CASING & TUBING COUPLINGS

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>Casing: from 4 1/2” to 20”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tubing: from 1.050 to 4 1/2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>GRADE MARKING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Steel grade: H40, J55, K55, N80 Type 1, P110, L80 Type 9Cr, L80 Type 13Cr, C90 Type 1, C90 Type 2, C95, T95 type 1, T95 type 2, Q125 type 1, Q125 type 2, Q125 type 3, Q125 type 4, N80Q</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENDS</th>
<th>Casing: (short round threaded / long round threaded / Buttress threaded)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tubing: non upset, external upset</td>
</tr>
</tbody>
</table>

OUR REFERENCES:
- Vallourec
- Tenaris
- Hunting
- Aramco

API 5L - LINE PIPE COUPLING

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>From 1/8” to 20”</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>Black, hot dip galvanizing, electro plated</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ENDS</th>
<th>According to: API 5B</th>
</tr>
</thead>
</table>

We propose couplings according to API 5L & 5CT as well as special joints, vam, new vam, vam top...

SPECIALIST OF LARGE DIAMETER COUPLINGS
- European largest production capacity
- Permanent stock available
- Durable patnership with reputed coupling stock mills (Vallourec/Tenaris)
**PIPE NIPPLES AND TUBULARS**

| DIMENSIONS | According to EN 10241, from 1/8” to 6” |
| MATERIALS | Medium and heavy series welded pipes, seamless pipes |
| FINISHING | Black, hot dip galvanizing |
| THREADS | BSP / En 10226 / BS21/ISO7 / ISO228 / NF03.004 / NF03.005 / DIN 2999 / DIN 259 |

**STEEL COUPLINGS / SOCKETS AND FITTINGS FOR FIRE FIGHTING INSTALLATIONS**

| DIMENSIONS | According to EN 10241, from 1/8” to 6”
| | According to NFA 49192, from 1/4” to 2”
| | According to ASTM A865
| | According to UL6 |
| MATERIALS | Special Delcorte socket tubing, seamless pipes |
| FINISHING | Black, degreased, hot dip galvanization, electro plating |
| THREADS | Steel couplings: BSP / En 10226 / BS21/ISO7 / ISO228 / NF03.004 / NF03.005 / DIN 2999 / DIN 259
| | Steel merchant couplings: ANSI B 1.20.1 |

**WROUGHT STEEL THREADED FITTINGS EN 10241**

| DIMENSIONS | According to EN 10241, from 1/8” to 6” |
| MATERIALS | Forgings, seamless pipes, round and hexagonal bars |
| FINISHING | Black, hot dip galvanization, electro plating, zinc flake |
| THREADS | Tubulars: tested min internal pressure of 50 bar,
| | Fabricated fittings: tested min internal pressure of 75 bar,
| | Seamless fittings: tested min internal pressure of 150 bar |
| RATING | Tubulars: tested min internal pressure of 50 bar,
| | Fabricating fittings: tested min internal pressure of 75 bar,
| | Seamless fittings: tested min internal pressure of 150 bar |
Delcorte operates in compliance with its Quality Management System certified according to ISO 9001:2008, PED authority. Quality is our prime concern and we follow stringent quality control norms in order to ensure international standards of quality. Our material is delivered with certificates including the results of the mechanical tests, chemical analysis and heat treatment carried out in conformity with EN 10204.3.1. According to the customers request, material can undergo EN 10204.3.2. Certificate.
Our design department provides an extensive range of engineering solutions to meet the clients’ specific requirements.
Our Engineers closely work with the sales department to supply drawings (2D / 3D - CAD), calculation notes for outlets that will perfectly suit the conditions of use of the clients.
This means that they take into account the pressure, the temperature of use, the corrosion allowance as per ASME applicable codes.
Delcorte offers a complete solution by delivering a product which is in conformity with each customer’s needs, performing in-house testing such as PMI, ferrite check, dye penetrant test, magnetic particle inspection, hardness test, charpy impact test.

Our laboratory is fully equipped with the most modern testing instruments and state-of-the-art facilities for chemical, mechanical, non-destructive and other testings. We also use independent laboratories to perform destructive testing such as corrosion test, metallographic examination, microstructure examination and chemical analysis.

THE FOLLOWING TESTS CAN BE PERFORMED:

- Impact test up to - 196°C
- Tensile test
- Hardness test
- Metallographic examination
- Chemical analysis
- Corrosion test
- Burst test (inlet range)
- PMI
- Magnetic particle inspection
- Liquid penetrant examination
- Ultrasonic testing
- Simulation of post welding heat treatment (PWHT)

SERVICES

- **CLADDING**
  At the customer’s request we can offer overlay welding with Inconel® 600/625, Incoloy® 800/825 etc.

- **COLOR CODING**

- **ANTI-GALLING**
  At the customer’s request we can offer anti-galling thread coating.
RAW-MATERIAL STOCK
With an average of 8700 tons of a wide range of forgings, rings, seamless pipes and other different types of raw materials in many sizes and grades, we can deliver your projects worldwide in carbon steel, high yield, stainless steel, nickel alloy steel, duplex, super duplex...

Our advanced technology is supported by state-of-the-art manufacturing equipment which enables us to meet not only the requirements of internationally accepted manufacturing standards, but to cope also with the growing demand of special fittings. We manufacture over 10000 references of products.

All our products are packed in plastic bags, carton boxes, wooden crates or wooden pallets meeting ISPM15 regulations. Crates and pallets can be made in any size and dimensions. We keep a large inventory of finished products which enables express shipping of products for our clients.
CERTIFICATIONS

OUR FITTINGS ARE APPROVED BY
THE FOLLOWING MAJOR OIL COMPANIES:

and many more...