

specialist of:

specialist of:

Forged fittings

Forged fittings

API couplings

& API couplings

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



DELCORTE S.A.S MAUBEUGE • FRANCE

#### INTRODUCTION



e 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 5<sup>th</sup> 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





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# KEY HISTORICAL EVENTS



- Production started for API 5L & API 5CT 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

#### 2010:

Delcorte gets a TUV Burst Test Certificate for its reinforced branch fittings range of products

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.



Creation of

the company

50's:

Creation of a new plant for the steel couplings production

Creation of a stocking facility and Distribution Agency In Germany (STAFI)



Creation of a stocking facility and distribution agency In the South of France

60's:

#### 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



Delcorte created a new unit for the production of Special



Delcorte took over

the largest German

couplings producer

Hühn Gmbh.

Delcorte Pisgin Manson Is a JD Turkish production Mill located In Istanbul to supply steel sockets for the local market



Substantial investment In Design & Production of a new generation of robotized machines to produce forged fittings



**KEY NUMBERS** 

since 1924

250 employees

over 8000 tons of raw materials

Etab<sup>\*</sup> J. CCORDS Deux en-têtes de facture : une du garage Marchant et l'autre des Etablissements Delcorte, usine plus importante de Douzies spécialisés dans les raccords.



# The overall production is dedicated to export market in more than 60 countries



## **HIGH PRESSURE DIVISION**





- 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

**FLANGED BRANCH** 

Flange-outlet
Nipoflange-outlet
Elbo Flange-outlet
Insert Flange-outlet
API 6A/6BX Flange-

**OUTLET:** 

outlet

# REINFORCED BRANCH CONNECTIONS BRANCH OUTLET: • Weld-outlet • Sock-outlet • Nip-outlet • Elb-outlet • Lat-outlet INSERT BRANCH OUTLET: • Sweep-outlet • Insert weld-outlet • Insert lateral-outlet

# **SPECIAL FORGED PIECES & BUTTWELD FITTINGS**

# DELCORTE FITTINGS

# ASME B 16.9 FROM SOLID FORGINGS (SUBSEA & SPECIFIC APPLICATIONS)



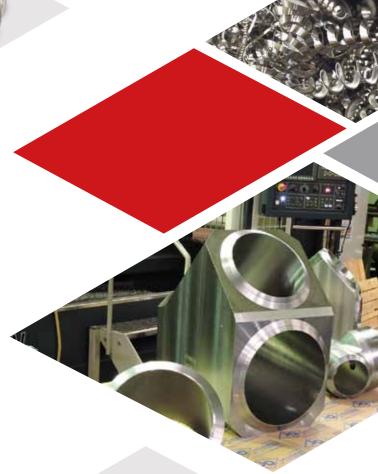
► MATERIALS: Carbon steel, high yield carbon steel, alloy steel, stainless steel, duplex, super duplex, nickel alloy, special

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.

alloys and others.

**BUTTWELD FITTINGS ASME B16.9** FROM SOLID FORGINGS FROM 1/2" UP TO 48"





# **API COUPLINGS DIVISION**



#### **API 5CT CASING & TUBING COUPLINGS**

DIMENSIONS	Casing: from 4 1/2" to 20" Tubing: from 1.050 to 4 1/2
MATERIALS	GRADE MARKING Steel grade: H40, J55, K55, N80 Type 1, P110, L80 Type 9Cr, L80 Type 13Cr, C90 Type 1, C90 Type 2, C95, T95 type1, T95 type 2, Q125 type 1, Q125 type 2, Q125 type 3, Q125 type 4, N80Q
ENDS	Casing: (short round threaded / long round threaded / Buttress threaded) Tubing: non upset, external upset



#### **OUR REFERENCES:**



#### **API 5L - LINE PIPE COUPLING**

DIMENSIONS	From 1/8" to 20"
FINISHING	Black, hot dip galvanizing, electro plated
ENDS	According to: API 5B

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)



# **LOW PRESSURE DIVISION**



#### 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





# **QUALITY** CONTROL



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.



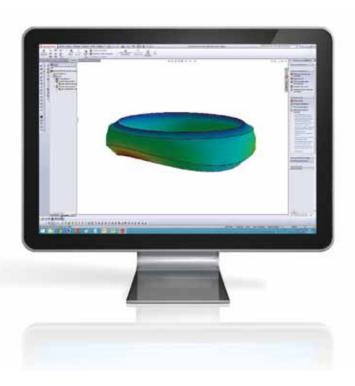
# **ENGINEERING SOLUTIONS**

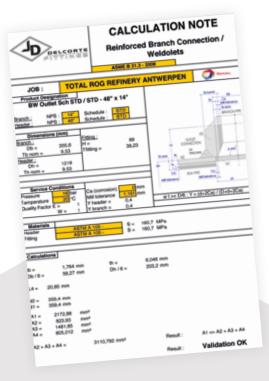


Our design department provides an extensive range of engineering solutions to meet the clients' specific requirements.

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.







## **TESTINGS & INSPECTION FACILITIES**



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 (olet range)
- PMI
- Magnetic particle inspection
- Liquid penetrant examination
- Ultrasonic testing
- Simulation of post welding heat treatment (PWHT)



Magnetic particle inspection



EST

Burst test





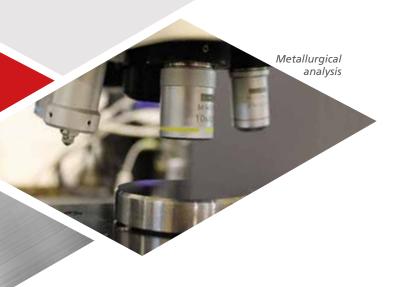
Liquid penetrant examination



Tensile test



Corrosion test



## **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.

## **MANUFACTURING / PACKING / DELIVERY**



#### **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...







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**

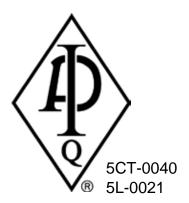














# **APPROVALS**

OUR FITTINGS ARE APPROVED BY THE FOLLOWING MAJOR OIL COMPANIES:















































and many more...



**DELCORTE** IS YOUR BEST PARTNER FOR YOUR CONNECTION NEEDS