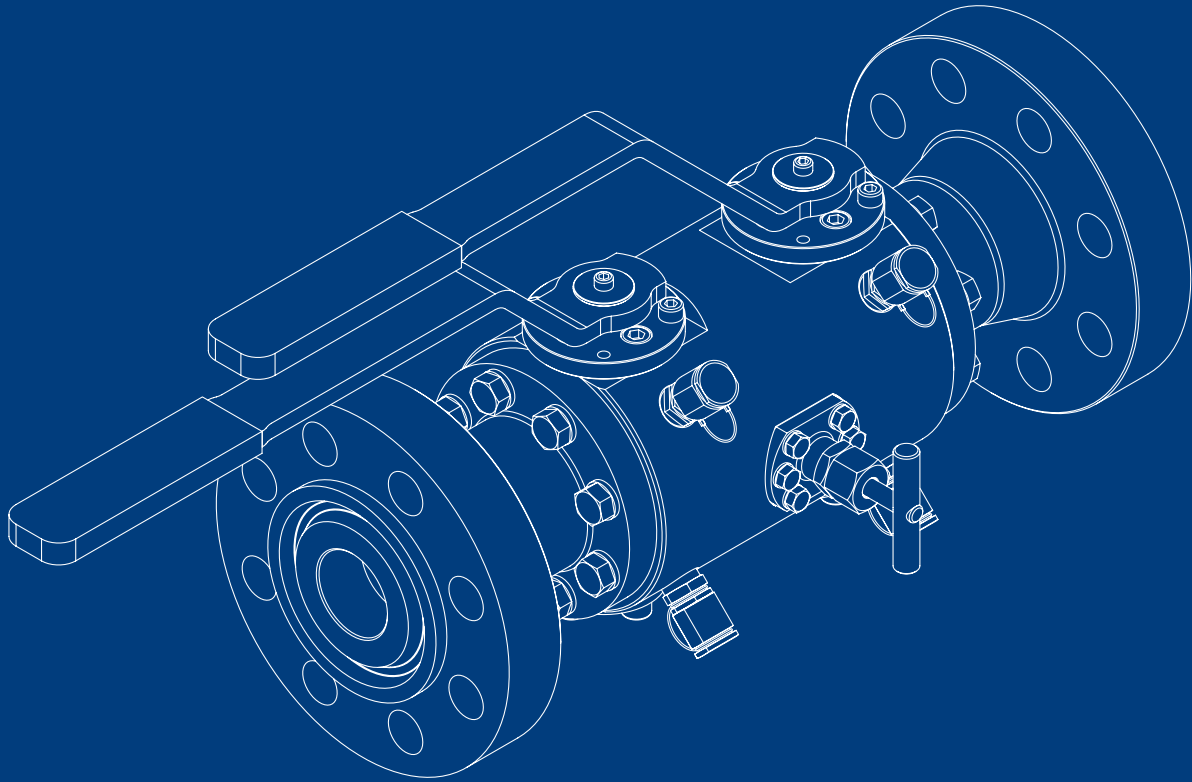


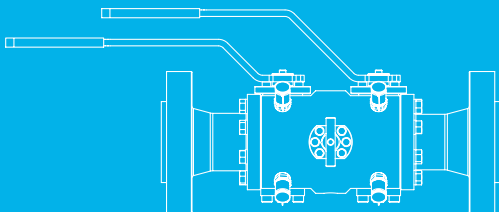
**st STARLINE**<sup>®</sup>  
forged steel ball valves



STARLINE

**SBB/DBB**

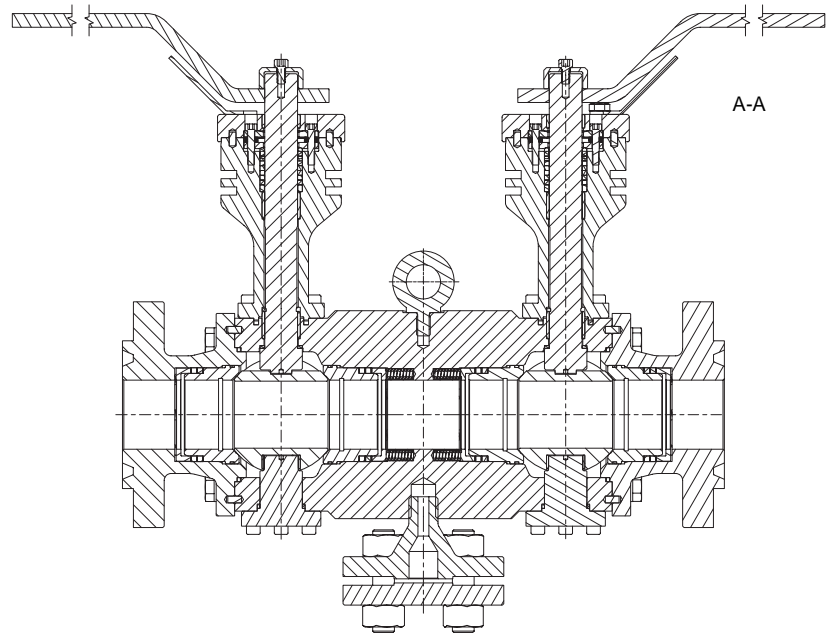
**BALL VALVES**



**Starline** manufactures a complete line of SINGLE and DOUBLE BLOCK & BLEED ball valves.

Our SBB/DBB ball valves are available in an extensive range of designs, materials, sizes and pressure classes and are in full conformance with API, EEMUA and NACE specifications.

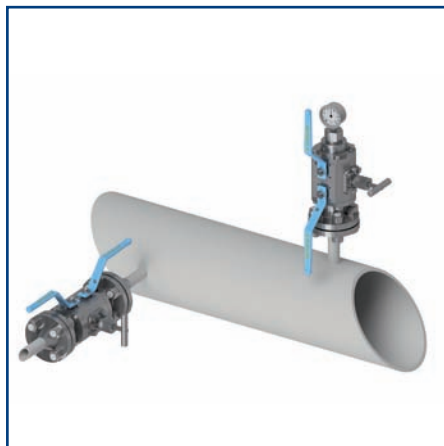
Starline uses only high-quality ITALIAN made forged materials inspected & tested to International Standards and utilizes advanced manufacturing technology with special emphasis on safety, quality and long service life of our products. The forging material can ensure the best rigidity and strength.



## MAIN FEATURES

- Bolted construction to ensure maximum flexibility in terms of constructions and easy maintenance on site
- Anti-Blow Out stem design.
- Available in FLOATING BALL and TRUNNION MOUNTED EXECUTION.
- Antistatic device.
- Executions available in any construction or service conditions, metal seated, cryogenic service, high temperature design, API 6A construction, compact design.

**WHY USE  
A DOUBLE  
BALL  
AND  
NEEDLE  
VALVE?**



In conditions of space constraint it is more and more important to find compact solution. As you can see here above one valve is performing the same function of three valves all together and allows a full safety on the line during maintenance operations, not to consider the important reduction of the leakage points on the line. DBB/SBB valves can be used for CHEMICAL INJECTION AND SAMPLING (through a quill), PRESSURE CONNECTIONS (instrumentation mainly), PROCESS ISOLATION (located in the primary process stream).



**Starline** performs in its facilities different non-destructive testing like ultrasonic, penetrant test, magnetic particles as defined by ASME B16.34.

Starline personnel performing NDT is trained and qualified to EN 473/ ASNT-SNT-TC-1A. DBB/SBB valves are tested according to API 598 testing procedure and the testing include the bleed functionality. In case of API 6A DBB valves, PR type testing and production testing up to PSL3G are available.





Since its foundation on 1976 Starline has been focus only on production of Ball Valves in Forged Materials. After more than 40 Years the imprinting philosophy is still present and the base for the Company growth and success. Starting from the experience on the floating valves during the years, Starline has developed a wide and complete range of ball valves in different materials and executions introducing Trunnion Mounted design, Single and Double Block and Bleed, Metal to Metal,

Cryogenic and High temperature design. Today Starline with a production capacity of 250.000 valves/year, a complete size range and pressure ratings 1/2" to 36" – class 150- 2500lbs, API6A rate 3000-15000PSI in all the possible configurations and materials, is considered both by Customers and other Valve Manufacturers one of the Worldwide Market Leaders in Upstream Oil & Gas Applications which represent more than 70% of the final products destination.

## PHILOSOPHY

Starline's philosophy is based on the achievement of the standardization of the highest quality requirements in each single product. All materials used are mandatory produced in Western Europe and all forging companies are located in Italy.

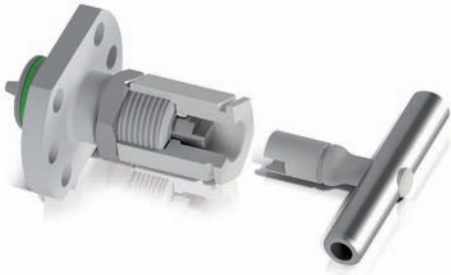
A product **FULLY MADE IN ITALY**



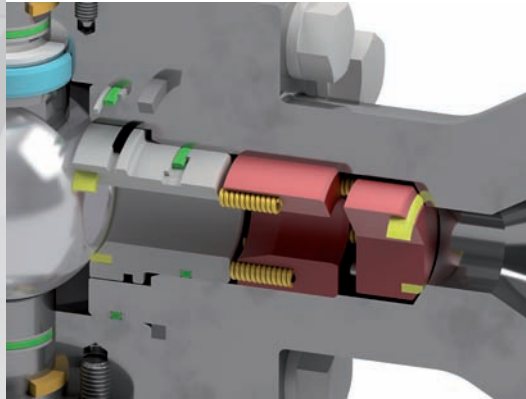
## REFERENCES

- ADCO
- ADGAS
- ADMA-OPCO
- BP
- DSME
- ENI
- EXXON MOBIL
- GASCO
- GRT GAZ
- GAZPROM
- HYUNDAI (HHI)
- INPEX
- JGC CORPORATION
- KBR
- KNPC
- KOC
- NIOC
- NISOC
- NPCC
- PDO
- PETROBRAS
- PETROFAC
- PTSC
- PTTEP
- QATARGAS
- SAIPEM
- SAMSUNG (SHI)
- SHELL CHEVRON
- SNAMPROGETTI
- STATOIL
- TECHNIP
- TECNIMONT
- TOTAL E&P
- TOYO
- ZADCO

**Starline** SBB/DBB valves are designed following the highest safety and quality standards and to meet the most stringent requirements from the end users. Features like Anti Tamper device are standard in our construction.



Compact design with optional swivel flanges.



Option with check valve available.

## STANDARDS AND CERTIFICATIONS

ISO 9001: 2008

PED 2014/68/EU MOD.H CAT.3

ATEX 2014/34/EU

SIL 3

CU-TR

ASME B16.5 – ASME B16.10

ASME B16.25 – ASME B16.34

ASME B16.11 – ASME B1.20.1

ASME VIII

API 6D

API 6DSS

API 6A ISO10423

FIRESAFE API607-API 6FA- ISO10497

BS 6364

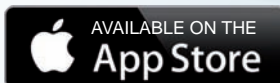
NACE MR0175 – NACE MR0103

SHELL TAT

ISO 15848



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