

BALL VALVE

Forged Steel Trunnion Mounted Ball Valve

REF EFC-522

SPECIFICATIONS

Size	DN50 to DN1200
Pressure	Class 150, Class 300, Class 600, Class 900
End connection	Flanged / Butt weld / Threaded / Socket weld
Temperature	-196°C to 260°C
	Range across the material options offered. The limit of a given build follows its grade.
Media	oil, gas, natural gas, chemical media, petrochemical media
Dimensions	Confirmed at quotation

ACTUATION

- Handwheel
- Pneumatic
- Electric
- Gas-liquid

STANDARDS

Design & manufacture	API 6D, ASME B16.34, BS 5351
Inspection & test	API 598, API 6D, BS EN 12266-1

APPLICATIONS

- Oil and gas
- Natural gas
- Chemical
- Petrochemical
- Power plant
- Metallurgy
- Papermaking



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

MATERIAL VARIANTS

Each option is a coherent material set: selecting one fixes the grade of every part below. Confirm the exact set with your enquiry.

Part	Carbon steel body (A105), carbon steel trim	Carbon steel body (A105), carbon steel or alloy steel trim	Austenitic stainless steel body (F304/F304L), stainless trim	Austenitic stainless steel body (F316/F316L), stainless trim	Low temperature carbon steel body (LF2/LF1), cryogenic trim
Body	A105	A105	F304 or F304L	F316 or F316L	LF2 or LF1
Ball	A105+ENP/HCr or F6a+HCr	A105+ENP or F6a+ENP	F304+HCr or F304L+HCr	F316+HCr or F316L+HCr	F304+HCr
Stem	A105+ENP or A182 F6a	A105+ENP or 4140+ENP	F304 or F304L	F316 or F316L	F304
Gland	A105+ENP	A105+ENP	F304 or F304L	F316 or F316L	F304
Stud	A193-B7	A193-B7M	A193-B8 / A193-B8M	A193-B8 / A193-B8M	A320-L7 / A320-L7M
Nut	A194-2H	A194-2HM	A194-8 / A194-8M	A194-8 / A194-8M	A194-7 / A194-7M

These parts are the same for every option above:

Seat	PTFE, RPTFE, NYLON, PPL, PEEK, EPDM, FKM, acetal	Packing	PTFE, PPL, GRAPHITE
Gasket	PTFE, PPL, GRAPHITE		

FEATURES

- Suitable for high temperature and high pressure corrosion resistant environments
- Anti-static design ensuring safety and stability
- Ball surface and seat sealing surface tightly connected for effective sealing
- Movable metal seat structure with leaf spring preload for easy operation
- Trunnion mounted design