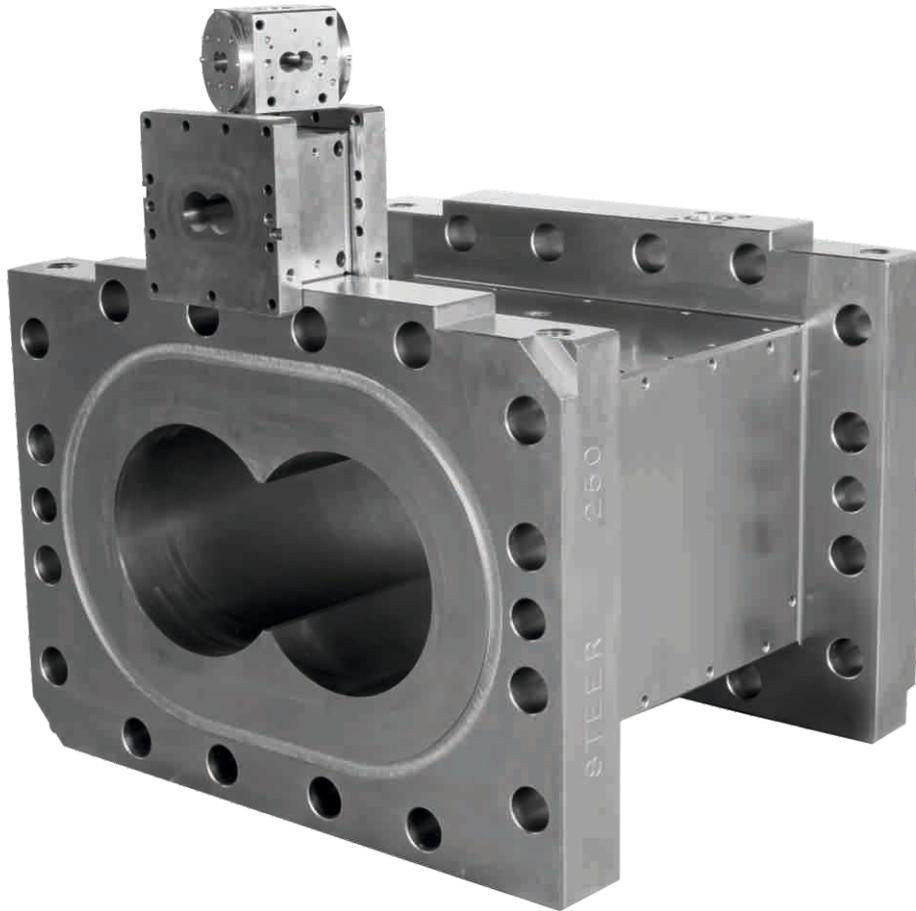
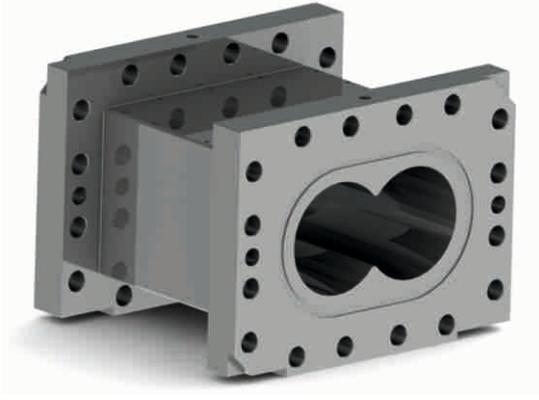


Transforming Lives.
Transforming Materials.

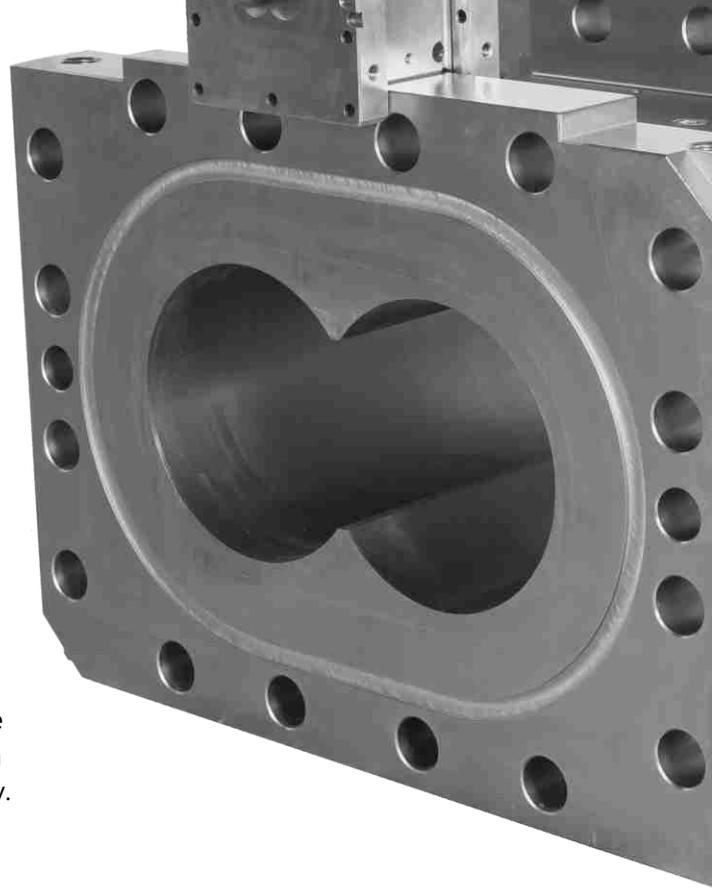


EPZ BARRELS

WORLD-CLASS TECHNOLOGY FOR WORLD-CLASS COMPOUNDING



STEER Barrels are technologically advanced masterpieces, designed to deliver outstanding value. Made with the right metallurgy at our very own state-of-the-art foundry, they are crafted for high performance, longer life and perfectly match with your existing co-rotating twin-screw extruder machinery.



SIZE DOES NOT MATTER. THE ATTENTION TO DETAIL DOES.

At STEER we manufacture barrels for a wide range of co-rotating twin-screw extruders. Whether it is a 10mm dia that is required for specific lab-related applications or a 300mm dia (with a maximum length of 600mm), each barrel is purpose-built to required specifications, with great attention to detail.



Size: 10mm



Size: 70mm



Size: 250mm

CRAFTED TO SUIT YOUR REQUIREMENTS

- Solid or Lined
- Hard Faced or Surface Engineered
- Flanged or Round
- Tie-Bar or Clam-Shell



STEER BARRELS — AT A GLANCE

- Barrels have a toughened casing made of En8 and a liner of hard material.
- Liners are available with a choice of metallurgy — wear & corrosion resistant. These liners can be removed quickly as and when wear and tear occurs.
- Lined barrels come with 8-12mm replaceable liners.



WE ALSO REFURBISH BARRELS AND LINERS TO HELP EXTEND THEIR LIFE.

THE STEER ADVANTAGE



CUSTOMISED METALLURGY WITH REQUIRED ACCURACY

STEER Barrels come with a choice of metallurgy from our very own state-of-the-art foundry that makes some of the best tool steel in the world. Depending on your requirement, you can choose from our wear-resistance (WR) series and our corrosion-resistance (CR) series.

MOC	Equivalent	Barrel Casing	Liner	Type
WR 2	AISI H13	✓	✓	Solid/Bimetal
WR 4	AISI A11 Modified	-	✓	Bimetal
WR 5	AISI A11	-	✓	Bimetal
WR 6	ASP 60	-	✓**	Bimetal
WR 10	AISI A 11 Modified	-	✓**	Bimetal

MOC	Equivalent	Barrel Casing	Liner	Type
CR 1	AISI H13	✓	✓	Solid/Bimetal
CR 2	AISI 440C	-	✓	Bimetal
CR 3	AISI 440B	-	✓	Bimetal
CR 5	AISI 440C MODIFIED	-	✓	Bimetal
CR 6	High performance SS	-	✓	Bimetal
CR 8	AISI 316L	✓	✓	Solid/Bimetal
CR 9	Cobalt Alloy 6		✓	Bimetal
CR 10	Ni Alloy 625	✓	✓	Solid/Bimetal
CR 11	AISI 304		✓	Bimetal
CR 12	Ni Alloy 246	✓	✓	Solid/Bimetal
CR 13	Ni Alloy C 276		✓	Bimetal
CR 27	Cobalt Boron Alloy 6		✓	Bimetal
CR 16	Surgical SS		✓	Bimetal
CR 17	17 4 PH	✓	✓	Solid/Bimetal
	CLAD		✓	Bimetal

** Note:

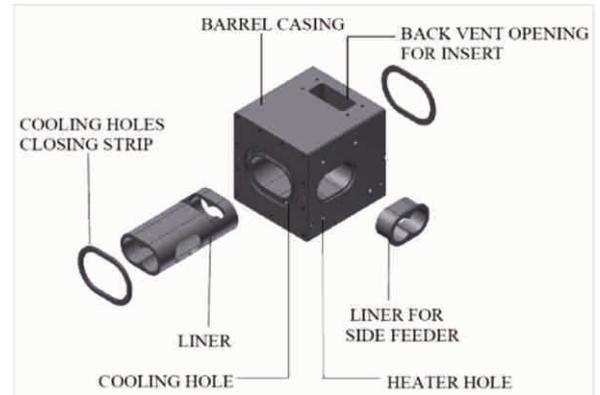
Subject to application and design

Standard Barrel Casing - Low Carbon Steel Toughened

THE STEER ADVANTAGE

KEEPS ITS COOL. NO MATTER HOW HOT IT GETS

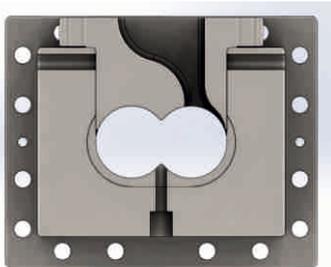
STEER barrels have cooling circuits located close to the liner in the barrel. These circuits cool intensely and uniformly, optimising the efficiency of the process.



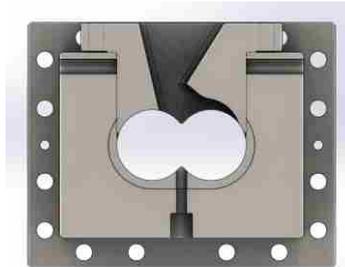
CUSTOMISED VENT INSERTS

FOR GREATER EFFICIENCY AND PERFORMANCE

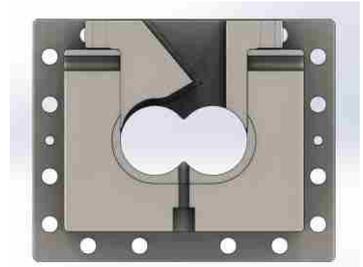
TYPE:-01



TYPE:-02



TYPE:-03



- The vent barrels can be provided with three different types of vent inserts depending on the application and customer requirements.
- Plugs are provided for all vent barrels.

* STEER can also design new types of inserts based on customer request.

WE ALSO REFURBISH BARRELS AND LINERS TO HELP EXTEND THEIR LIFE.

WHY IT HAS TO BE A STEER BARREL

Combi-side feed barrels can be provided with water cooling.

Sealing groove with gasket can be provided on the barrel surface.

STEER can manufacture barrels with options for both cast plate heaters and cartridge heaters.

Multiple liquid injection ports can be provided depending on requirements.

Enhanced life due to superior steel and carefully designed metallurgy.

Optimum heating & cooling - Uniform and well distributed.

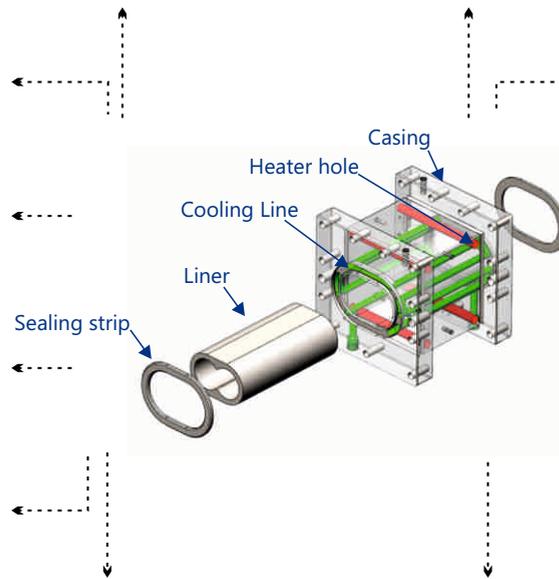
Super finished surfaces - For enhanced process efficiency

Geometry is key - Critically maintained Dimensions and Tolerances

Intake barrel can be provided with relief so that contact points are only at the liner and at the corners. This provides better insulation between the intake barrel and second barrel.

• Wide choice with minimum lead time.

• Global offices with better servicing capabilities.



Made with the right metallurgy, STEER barrels have supreme resistance to various types of wear and tear. They come with supports designed with cross roller guides or 'v' guides that allow for a sliding movement of about 15mm. The 'u' bracket on which the barrel rests has minimum contact surface to reduce the heat transfer from the barrel to the slider and support column, further increasing efficiency.

EXTREMELY QUICK TURNAROUND AND DELIVERY TIMES

At STEER we understand the importance of keeping your business going. Our integrated manufacturing unit coupled with our state-of-the-art foundry help us ensure that you have minimum downtime, whether it is refurbishing your existing barrel or designing a new one based on your requirements.

**BARRELS DELIVERED IN
8 - 20 WEEKS***

*Type, size & quantity will determine the delivery schedule.

BEST-IN-CLASS QUALITY MANAGEMENT SYSTEMS

At STEER we strive for perfection and you can rest assured that you are getting the best quality and a superior return on your investments.

- Coordinate measuring machine inspection to check for accuracy in dimensions
- Barrel leakage testing, done under 10 BAR pressure - twice the cooling line pressure in a TSE
- Advanced Welding technique for sealing the cooling lines
- Magnetic particle inspection to check for micro cracks
- Hardness of liner measured using portable hardness tester
- Dye penetrant test to check for cracks and blow holes
- Nitrided barrels are checked for depth and surface hardness

WE OFFER BARRELS FOR EXTRUDERS MANUFACTURED BY MOST OEMs.

- Maris
- Farrel
- Comac
- Rockstedt
- Macross
- APV
- Ikegai
- JSW
- Berstorff
- Leistritz
- Toshiba
- Windsor
- Clextral
- Buhler
- Entek
- Kobe
- Coperion Werner & Pfleiderer
- ICMA

AND MANY MORE

WE LOOK FORWARD TO HEARING FROM YOU.



NO MATTER WHERE YOU ARE, YOU ARE NEVER FAR FROM A STEER STAR



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