

Timken® Large Diameter Steel Tubing

For more than 90 years, customers have turned to Timken for quality, innovation and high-performance steel products that move them ahead of the competition. We continually seek ways to meet customer needs through a variety of value-added products and services. Our ability to produce larger diameter hot rolled seamless mechanical steel tubing is another example of our commitment to customers.

The capability to expand our size range allows us to offer larger sizes than ever before. Timken is the only supplier in North America that can offer hot rolled seamless mechanical steel tubing to a maximum outer diameter (OD) of 13 inches (330 mm), making it more readily available and helping to reduce lead times to our customers worldwide. Our large diameter hot rolled seamless mechanical tubing is used to produce parts for critical applications such as pulleys, gears, bearings and cylinders.

Additions to our manufacturing process have allowed us to produce large diameter tubes with an outer diameter of 12.5 inches (317.5 mm), 12.75 inches (324 mm) and 13 inches (330 mm) with walls of 1 inch to 3 inches (25.4 mm to 76.2 mm) thick in 0.25 inch (6.4 mm) increments.

The complete size ranges of seamless alloy mechanical steel tubing are:

OD: 1.90 inches (48.3 mm) to 13.00 inches (330 mm)

Wall: 0.25 inch (6.4 mm) to 3.00 inches (76.2 mm)

With our experienced staff controlling the entire manufacturing process from melt to finish, we can help customers enhance the manufacturability of their product and the performance of the final product.

In addition, we supply value-added precision steel components that can assist you in tailoring the product to your specifications.

Timken is Where You Turn™ for innovation, quality and value-added options to help your products perform more effectively and improve performance.

TIMKEN

Where You Turn

Large Diameter Size Specifications:

OD: 12.5 inches (317.5 mm)
12.75 inches (324 mm)
13 inches (330 mm)

Wall: 1 inch to 3 inches
(25.4 mm to 76.2 mm)
Increments: 0.25 inch (6.4 mm)

Tolerances:

OD: $\pm 1\%$
Wall: < 1.5 inches (38.1 mm) $\pm 12.5\%$
 ≥ 1.5 inches (38.1 mm) $\pm 10\%$

Material Grades:

AISI	Euro Equivalent	JIS
1018	C17E2C	SS400
1026	C25	--
1030	C30	S30C
4130	--	SCM 430
4140	42CrMo4	SCM 440
8620	20NiCrMo2	SNCM 220
ST52	ST52	SM53B
TIM6V	TIM6V	--

Thermal Treatment Options:

- Anneal
- Stress Relieve
- Normalize
- Quench and Temper

(Please inquire for additional grades and sizes.)

For more information on Timken® steel and other value-added services or products, call +1-866-284-6536 (U.S.A.), +44-1455-826320 (International), fax 330-471-4118 (U.S.A.), or visit our Web site at: www.timken.com/products/alloysteel.

Engineered Steel Solutions for:
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