

ESPECIFICACIONES GENERALES PARA TUBERÍAS

GENERAL PIPES SPECIFICATIONS

Aquí están listadas las 5 especificaciones más comunes que se referencian en las solicitudes de tuberías hechas a COLVAPOR. Las tablas de tolerancia se muestran en la parte inferior del documento. Todos los valores de tolerancias son para ser aplicados contra las dimensiones nominales especificadas. Para información en especificaciones de propiedades mecánicas, visite las áreas de descripción del producto. Por favor de click en el nombre de cada especificación para llevarlo a la página en internet de las empresas que publican las normas y si lo desea poder ordenar su copia de la misma desde allí.

Listed below are the five most commonly referenced specifications when pipe is ordered from COLVAPOR. Tolerance tables are shown below the general descriptions. All tolerance values are to be applied to nominal specified dimensions. For information on specification requirements for mechanical properties, visit the product description areas. Please click on the specification name to visit the publisher's Web site and order a copy of the specification.

[API 5CT](#) This American Petroleum Institute (API) specification covers seamless and welded steel casing, tubing and liners for the oil and gas industry.

[API 5D](#) This American Petroleum Institute (API) specification covers seamless steel drill pipe used in the oil and gas industry.

[API 5L](#) This American Petroleum Institute (API) specification covers seamless and welded steel line pipe for use in conveying gas, water and oil in the oil and natural gas industries.

[ASTM A53](#) This American Society for Testing and Materials specification covers seamless and welded steel pipe intended for mechanical and pressure applications, including ordinary uses in steam, water, gas and air lines.

[ASTM A106](#) This American Society for Testing and Materials specification covers seamless carbon steel pipe for high temperature service.

Pipe O.D. Tolerance	
API 5CT	<4.5" O.D.: ± 0.031 "
	4.5" O.D. and larger: +1.0%, -0.5%
API 5D	4.0" O.D. and less: ± 0.031 "
	4.5" O.D. and larger: +1%, -0.5%
API 5L	2.375" and < 20": $\pm 0.75\%$
	20" and larger Seamless: $\pm 1.0\%$
	20" to 36" ERW: +.75% - .25%
ASTM A53	NPS 2 and over: $\pm 1.0\%$
ASTM A106	NPS 1½ to 4, inclusive: ± 0.031 "
	NPS 5 to 8, inclusive: +0.062", -0.031"
	NPS 10 to 18, inclusive: +0.093", -0.031"
	NPS 20 to 26, inclusive: +0.125", -0.031"
Wall Tolerance	
API 5CT	-12.5%
API 5D	-12.5%
API 5L	>2.875" and <20": +15.0%, -12.5%
	20" and larger Welded, Grade B: +17.5%, -12.5%
	20" and larger Welded, X42 and Higher: +19.5%, -8.0%
	20" and larger Seamless, Grade B: +15.0%, -12.5%
	20" and larger Seamless, X42 and Higher: +17.5%, -10%
ASTM A53	-12.5%
ASTM A106	-12.5%
Weight Tolerance	
API 5CT	Single Length: +6.5%, -3.5%
	Carload Lot: -1.75%
API 5D	Single Length: +6.5%, -3.5%
	Carload Lot: -1.75%
API 5L	Single Length: +10.0%, -3.5%
	Carload Lot: -1.75%
ASTM A53	$\pm 10\%$
ASTM A106	+10%, -3.5%

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