

**PIPING SYSTEM PTE LTD**

Pipeline Material and Equipment Experts

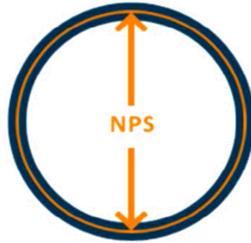
DRAWING NO.:

PIPE-12-4.57-SS-ASTM A312 GRADE TP316/316L-20260303

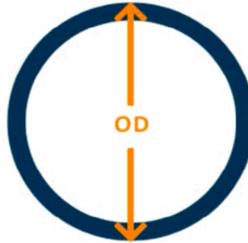
DRAWING DATE:

03-Mar-2026

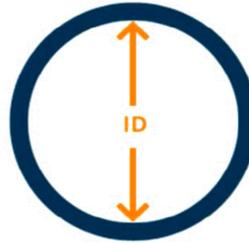
INQUIRY NO.:	OR999999	Description	PIPE-12INCHES-SCH10S(4.57MM) WALL THICKNESS-SMLS-SS-ASTM A312 GRADE TP316/316L-PE-ASME B36.19M-NACE MR0175	QTY	UNIT
ITEM NO.:	37			1000	M

PIPE&TUBE DRAWING AND DIMENSIONS DATA

Nominal Pipe Size



Outside Diameter



Inside Diameter



Wall Thickness

STANDARD	ASTM A312 GRADE TP316/316L						kg	kg	m ³		(in mm)				
NAME	MATERIAL	NPS	OD INCH(ES)	OD	ID	WT	METER WEIGHT	TOTAL WEIGHT	PROCESS	TOTAL VOLUME	HIC	IGC	MTC TYPE	REFERENCE HS CODE	
PIPE	SS	300	12	323.90	314.76	4.57	35.99	35990.00	SMLS	104.91	N/A	IGC	MTC3.1	7304 1110.00	

MATERIAL STANDARD: ASTM A312 GRADE TP316/316L Chemical element composition content (%)

COMPONENT	C	Si	Mn	P	S	Cr	Ni	Mo
Max	-	-	-	-	-	16	10	2
Min	0.035	1	2	0.045	0.03	18	14	3

ASTM A312 GRADE TP316/316L Mechanical Properties

Tensile Strength	Yield Point
σ_b	σ_s
Mpa	Mpa
≥485	≥170

**PIPING SYSTEM PTE LTD**

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BASED IN SINGAPORE, PIPING THE WORLD

DRAWING

HuBiao

AUDIT

王健

APPROVAL

李斌