

TECHNICAL SPECIFICATIONS FT-ASTM A516

ASTM AS 16 Gr.70 steel is a carbon steel with guaranteed weldability, used for the manufacture of pressure vessels for moderate and low service temperatures ($\leq 250^{\circ}\text{C}$ approx.), where toughness becomes an important factor.

This steel has an excellent toughness - thickness ratio, which minimizes the risk of laminar tearing during welding.

APLICACIONES

It is used for the manufacture of pressure vessels, where high mechanical strength is a decisive factor. Boilers, pressure or steam pipes, industrial boilers and heat exchangers.

PROPIEDADES

Chemical composition (% in weight)

Thickness [mm]	C	Mn	P	S	Si
$t \leq 12,5$	$\leq 0,27$	0,85-1,20	$\leq 0,035$	$\leq 0,035$	0,15-0,40
$12,5 < t \leq 50,0$	$\leq 0,28$				
$50 < t \leq 100$	$\leq 0,30$				
$100 < t \leq 200$	$\leq 0,31$				
$200 < t$					

Mechanical Properties

Creep limit [Mpa]	Tensile strength [Mpa]	Elongation [%] e: 50 mm
≥ 260	485-620	≥ 21

FORMATS

Thickness [mm]	SAP CODE	
	Fabrication, DG3	Distribution, CA7
6	26952	110455
8	26953	110456
10	26954	110457
12	26955	110458
14	26956	110459
16	26957	110460
19	40857	-
20	26958	110461
25	26960	110462
32	-	114952
38	-	114953

STRUCTURAL

ASTM A516 Gr. 70 STEEL SHEETS

