



Delivering Engineered Solutions

Global Manufacturing Resources
Supply Chain Management

India China Mexico HongKong Taiwan Vietnam

ASTM A536 Ductile Iron Castings Tensile Requirements

NO.	Country	ASTM A536 Ductile Iron Grades				
		Tensile Requirements				
		Grade 60/40/18	Grade 65/45/12	Grade 80/55/06	Grade 100/70/03	Grade 120/90/02
1	Tensile Strength, min, psi	60,000	65,000	80,000	100,000	120,000
2	Tensile Strength, min, Mpa	414	448	552	689	827
3	Yield Strength, min, psi	40000	45000	55000	70000	90000
4	Yield Strength, min, Mpa	276	310	379	483	621
5	Elongation in 2 in. or 50 mm, min, %	18	12	6.0	3.0	2.0
Tensile Requirements for Special Applications						
1	Tensile Strength, min, psi			60000	70000	80000
2	Tensile Strength, min, Mpa			415	485	555
3	Yield Strength, min, psi			42000	50000	60000
4	Yield Strength, min, Mpa			290	345	415
5	Elongation in 2 in. or 50 mm, min, %			10	5	3



MES is ISO:9001 Certificated

