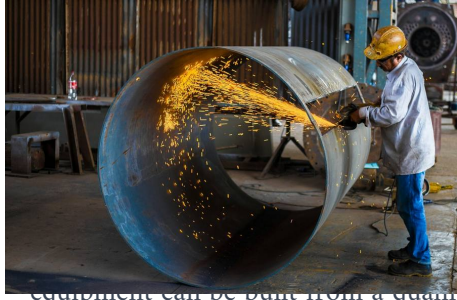


Carbon Steel Plates

Advanced Materials. Engineered for Performance.



16 Grade 70 Plates

SA516 / SA516 Grade 70 | EN: P355GH /
(nearest) | Metric: SA516M Grade 485

Best plate. Grade 70 carries the highest
and for sour service it is supplied with
NACE MR0103 / MR0175 compliant low-hardness supply for sour service
and HIC / SSC testing so wet H2S
equipment can be built from a qualified plate rather than an upgrade alloy.

Ex-stock Dubai • مدة التوريد: 2 - 3 working days ex Dubai

المزايا الرئيسية

- Supply options: as rolled, normalised, impact tested at -46 C and simulated PWHT
- Dual certified SA516 Gr 70 / SA516M Gr 485 and SA/A dual stamping
- NACE MR0103 / MR0175 compliant low-hardness supply for sour service
- HIC testing to NACE TM0284 and SSC testing to NACE TM0177 with CLR / CTR reports
- Ultrasonic examination to SA578 Level B / C and Z35 through-thickness grades

الأشكال والمقاسات المتوفرة

الشكل	نطاق المقاسات
الألواح	5 - 200 mm thk, up to 3000 mm wide, cut to size

التركيب الكيميائي (%)

المعصر	الحد الأدنى	الحد الأقصى
C	-	0.27 (t ≤ 25 mm)
Mn	0.85	1.20
Si	0.15	0.40
P	-	0.025
S	-	0.025 (0.002 max for HIC)

الخصائص الميكانيكية

الخاصية	القيمة	الوحدة
Yield Strength	260 min	MPa
Tensile Strength	485 - 620	MPa
Elongation	21 min (200 mm gauge)	%

الخاصية	القيمة	الوحدة
Hardness	200 max HBW (NACE sour service)	HBW

الخصائص الفيزيائية

الخاصية	القيمة	الوحدة
Density	7.85	g/cm3
Max Service Temperature	425	C

المواصفات القياسية

ASTM A516 / ASME SA516, ASME Section VIII Div 1, ASTM A20 general requirements, NACE MR0175 / ISO 15156, NACE TM0284 (HIC), NACE TM0177 (SSC), ASTM A578 (ultrasonic examination), EN 10204 3.1 / 3.2

الدرجات المكافئة

SA516 Gr 70, P355GH, 1.0473, SA516M Gr 485

القطاعات التي نخدمها

Oil & Gas, Petrochemical, Refining, Power Generation, Fertiliser, EPC Contractors

التطبيقات النموذجية

- Pressure vessels and reactors in wet H2S service
- Separators, scrubbers and knock-out drums
- Storage tanks and spheres
- Heat exchanger shells and tube sheets
- Boiler and steam drum plate



صحيفة البيانات المحدثة