



CEWELD SG CrMo5

TYPE	Medium alloyed, high-strength 5% Chromium Alloy.														
APPLICATIONS	Mainly used in pipeline, apparatus and boiler application. This alloy is specially intended for high integrity structural service at elevated temperature.														
PROPERTIES	Designed for welding heat resistant steels to sustain working temperatures upto 650 °C														
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.28: ER 80S-B6</td> </tr> <tr> <td>EN ISO</td> <td>21952-A: G CrMo5Si</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>4</td> </tr> <tr> <td>W.Nr.</td> <td>1.7373</td> </tr> </table>	AWS	A 5.28: ER 80S-B6	EN ISO	21952-A: G CrMo5Si	F-nr	6	FM	4	W.Nr.	1.7373				
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W.Nr.	1.7373														
SUITABLE FOR	<p>5%Cr-0.5%Mo (< 1180 MPa)</p> <p>1.7259, 1.7273, 1.7276, 1.7281, 1.7362, 1.7363, 1.7375, 1.7379, 1.7380, 1.8075</p> <p>GX12CrMo5, X12CrMo5, 10CrMo9-10, 12CrMo9-10, 26CrMo7, 24CrMo10, 10CrMo11, 16CrMo9-3, 10CrSiMoV7</p> <p>ASTM A 182 Gr. F5; A 193 Gr. B5; A 213 Gr. T5; A217 Gr. C5; A 234 Gr. WP5; A 314 Gr. 501; A335 Gr. P5 u. P5c; A 369 Gr. FB 5; A 387 Gr. 5; A 426 Gr. CP5</p>														
APPROVALS	CE														
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Mo</th> </tr> </thead> <tbody> <tr> <td>0.08</td> <td>0.45</td> <td>0.5</td> <td>5.7</td> <td>0.6</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Mo	0.08	0.45	0.5	5.7	0.6				
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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{p0,2} MPa</th> <th rowspan="2">R_m MPa</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> </tr> <tr> <th colspan="2">RT</th> </tr> </thead> <tbody> <tr> <td>720°C±15°C /2h</td> <td>480</td> <td>590</td> <td>18</td> <td colspan="2">110</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V		RT		720°C±15°C /2h	480	590	18	110	
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720°C±15°C /2h	480	590	18	110											
REDRYING TEMPERATURE	Not required														
GAS ACCORDING EN 14175	M21														



CEWELD SG CrMo5

SG CRM05 0,8MM

Type	KG/unit	EANCode
BS-300	15	8720682050040
D-100	1	8720663406026

SG CRM05 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663405968
D-100	1	8720663406019

SG CRM05 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663406033

SG CRM05 1,6MM

Type	KG/unit	EANCode
BS-300	15	8720663406040