



OUTERSHIELD® 71M-H | C1 and M21
Performance, Consistence and Productivity | shielding gases

OUTERSHIELD®

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AWS A5.20: E71T-1/9C-H4, E71T-1/9M-H4
EN ISO 17632-A:T 46 3 P C 1 H5/T 46 2 P M 2 H5

Advantages:

- Rutile gas shielded flux cored wire for high deposition and quality welding
- Developed for welding with C1 and optimized for Ar/CO₂ mix gas; smooth arc with low spatter
- Excellent operator appeal due to superior welding characteristics and premium slag system
- Full out-of-position capability with high deposition rates
- H4 class in 1.6mm diameter
- ABS, DNV-GL, LRS, BV, RINA, RMRS approved

Welding positions

(ISO/ASME)



PA/1G



PB/2F



PC/2G



PF/3Gu



PG/3Gd



PE/4G

Chemical composition, weld metal (wt. %):

Gas	C	Mn	Si	P	S
C1	0.05	1.3	0.4	0.015	0.009
M21	0.05	1.5	0.5	0.015	0.009

Mechanical properties, weld metal, AW:

Gas	Re, MPa	Rm, MPa	A, %	Impact @-20°C, J	Impact @-30°C, J
C1	530	590	25		70
M21	595	650	26	80	

Ordering information

Item # by most popular customer' choice:

Item #	D, mm	Coil/Drum	Weight in kg
900700N	1.2	B300	16
900707	1.2	S200	5
900728N	1.2	S300	16
900735N	1.6	B300	16
900742N	1.6	S300	16