南達 Southern Steel

WIRE ROD SPECIFICATIONS

Standard	Grade	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	YS(N/mm^2)	TS(N/mm^2)	Certified By
JIS 3505 (Low Carbon)	SWRM 8K	0.10 max	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-		430 max	SIRIM QAS
	SWRM 10K	0.08 - 0.13	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-		390-490	
	SWRM 12K	0.10 - 0.15	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-		410-510	
	SWRM 15K	0.13 - 0.18	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-		430-530	
MS 16120-2 (General Purpose Wire rod)	C7D	0.05-0.09	0.30 max	0.30 – 0.60	0.035 max	0.035 max	0.30 max	0.25 max	0.25 max	0.05 max	0.01 max	240-340	430 max	SIRIM QAS
	C9D	0.10 max	0.30 max	0.30 – 0.60	0.035 max	0.035 max	0.30 max	0.25 max	0.25 max	0.05 max	0.01 max	240-340	450 max	
	C10D	0.08 – 0.13	0.30 max	0.30 – 0.60	0.035 max	0.035 max	0.30 max	0.25 max	0.20 max	0.05 max	0.01 max	250-350	390-490	
	C12D	0.10 – 0.15	0.30 max	0.30 – 0.60	0.035 max	0.035 max	0.30 max	0.25 max	0.20 max	0.05 max	0.01 max	270-370	410-510	
	C15D	0.12 – 0.17	0.30 max	0.30 – 0.60	0.035 max	0.035 max	0.30 max	0.25 max	0.20 max	0.05 max	0.01 max	290-390	430-530	
	C18D	0.15 – 0.20	0.30 max	0.60 – 0.90	0.035 max	0.035 max	0.30 max	0.25 max	0.20 max	0.05 max	0.01 max	340-440	480-580	
MS 144:2014 (Mesh Straightening)	G250	0.22 max	0.050 max	0.050 max	0.80 max	0.012 max	0.42 max	-	-	-	-	250 min	-	SIRIM QAS
JIS 3503 (Welding)	SWRY 11	0.09 max	0.03 max	0.35 - 0.65	0.020 max	0.023 max	0.20 max	-	-	-	-	300 max	420 max	NA
ASTM A510 (Wire rod)	SAE1006	0.08 max	0.20 max	0.40 max	0.035 max	0.035 max	-	-	-	-	-	240-340	430 max	NA
	SAE1008	0.10 max	0.30 max	0.30 – 0.60	0.040 max	0.050 max	-	-	-	-	-	240-340	450 max	
	SAE1012	0.10 - 0.15	0.30 max	0.30 – 0.60	0.040 max	0.050 max	-	-	-	-	-	250-350	390-490	
	SAE1015	0.13 – 0.18	0.30 max	0.30 – 0.60	0.040 max	0.050 max	-	-	-	-	-	270-370	410-510	
	SAE1018	0.15 – 0.20	0.30 max	0.60 – 0.90	0.040 max	0.050 max	-	-	-	-	-	340-440	480-580	

DEFORMED BAR IN COIL SPECIFICATIONS

Standard	Grade	C	P	S	Cu	N	CE	YS (MPa)	Ratio*	AGT (%)	Certified By
MS 146:2014	B500B	0.22 max	0.050 max	0.050 max	0.80 max	0.012 max	0.50 max	500 min	1.08 min	5.0 min	SIRIM QAS

Note : * Ratio = Tensile strength / Yield Strength