

WIRE ROD SPECIFICATIONS

Standard	Grade	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Al	Certified By
JIS G 3505 (Low Carbon)	SWRM 8K	0.10 max	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-	SIRIM QAS
	SWRM 10K	0.08 - 0.13	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-	
	SWRM 12K	0.10 - 0.15	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-	
	SWRM 15K	0.13 - 0.18	0.10 - 0.30	0.30 - 0.60	0.040 max	0.040 max	-	-	-	-	-	
MS ISO 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	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	
	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	
	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	
	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	
	C18D	0.15 – 0.20	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	
MS 144:2014 (Mesh Straightening)	G250	0.22 max	0.050 max	0.050 max	0.80 max	0.012 max	0.42 max	-	-	-	-	SIRIM QAS
JIS G 3503 (Welding)	SWRY 11	0.09 max	0.03 max	0.35 - 0.65	0.020 max	0.023 max	0.20 max	-	-	-	-	NA
In house	SSD 8	0.10 max	0.10 - 0.20	0.30 - 0.60	0.030 max	0.030 max	-	-	-	-	-	NA
	SSW 5	0.09 max	0.07 max	0.35 - 0.65	0.025 max	0.030 max	-	-	-	-	-	
	SWRM 18K	0.16 - 0.21	0.15 - 0.35	0.60 - 0.90	0.035 max	0.035 max	-	-	-	-	-	

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