

Gem-Year Standard



晋亿实业
GEM-YEAR INDUSTRIAL

Material	Size range (mm)	Steel Mill	HRB		TS N/mm2		EL% Break	
			Annealed	Unannealed	Annealed	Unannealed	Annealed	Unannealed
1010A	2.4-31		55-80	60-90	350-500	400-680	>25	>10
1022A	2.4-22		70-87	>85	410-580	>500	>20	>10
1045K	21-38.5		75-90	>85	450-600	>500	>20	>10
10B21	2.4-28		60-80	>85	450-550	>500	>20	>10
10B33	7.5-28		75-90	>80	450-600	>501	>20	>10
10B38	7.5-23.65		75-90	>80	450-600	>502	>20	>10
ML08	2.4-34		55-75	60-90	340-500	400-680	>20	>10
SCM435	2.58-28		80-90	>90	480-600	>550	>20	>5

Material	Chemical composition													
	C	Si	Mn	P	S	AL	Cr	Mo	Ni	Cu	Ti	V	B	Fe
1010A	0.08-0.13	≅0.100	0.30-0.60	≅0.030	≅0.035	≅0.02	-	-	-	-	-	-	-	-
1022A	0.18-0.23	≅0.100	0.70-1.00	≅0.030	≅0.035	≅0.02	-	-	-	-	-	-	-	-
1045K	0.42-0.48	0.10-0.25	0.60-0.90	≅0.025	≅0.025	-	-	-	-	-	-	-	-	-
10B21	0.18-0.23	≅0.100	0.70-1.00	≅0.030	≅0.035	-	-	-	-	-	-	-	≅0.0005	-
10B33	0.29-0.38	≅0.400	0.70-1.00	≅0.030	≅0.030	-	-	-	-	-	-	-	0.0008-0.0030	-
10B38	0.35-0.42	0.15-0.35	0.70-1.00	≅0.030	≅0.035	-	-	-	-	-	-	-	≅0.0005	-
ML08	0.05-0.12	≅0.030	0.20-0.50	≅0.035	≅0.035	-	-	-	-	-	-	-	-	-
SCM435	0.33-0.38	0.15-0.35	0.60-0.85	≅0.025	≅0.025	-	0.90-1.20	0.15-0.30	-	-	-	-	-	-

Machine	Specification	Unit
Coarse wire drawing machine	IVCDA×600×2B、3B、4B、6B……	14
Acid pickling Line		4
Fine wire drawing machine	IVCAD×600	14
Fine wire rewinding machine	NSC-600S	18
Wire extending machine	ED-350 (φ6.5-φ14)	10
Wire extending machine	WD-20 (φ14-φ32)	6
Wire extending machine	HCD-1200、1400	6
Vertical slid wire extending machine	IWD-13、28、36、45	13
Vertical slid wire extending machine	IWD-13I.W	1
Auto wire rewinding machine	NSC-760S	2
Roller hearth type batch cycle spheroidizing annealed furnace	RHBC-67T-MW	7
Roller hearth type batch cycle spheroidizing annealed furnace	RHBC-40T	1
Becon Type Spheroidizing annealed furnace	SBP-200/240G	8
Becon Type Spheroidizing annealed furnace	SBP-250	2

Capacity	Qty
Monthly capacity	17000MTS
Export	1000MTS
Domestic	6000MTS
In-house-usage	10000MTS



Acid pickling

Annealing



Wire Drawing



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