



AG ORIENTAL

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Product data sheet

The Steel Bar Parameters & Requirement

Size (mm)	Surface Shape Type	Sectional area (S/mm ²)	Strength of extension (Mpa)	Stipulated plastic extending strength (Mpa)	Relaxation rate (%)	Maximum total elongation (%)	Unbend property (mm/m)	Elongation after break (%)	Surface quality
7.1	Helical groove	39-41.7	≥ 1570	≥ 1280	≤ 2.0	≥ 3.5	Take a sample of 1 meter steel bar and put it on a plane, the maximum vector height of inside arc is less than 2mm.	≥ 7.0	Harmful damage and defects are forbidden on steel bar surface, but rust is allowed
9		62.4-66.5							
10.7		87.5-93.6							
12.6		121.5-129.9							
14		150.2-160.1							

Test method

NO.	TEST ITEM	NUMBER	METHOD
1	Surface	Each coil	Visual
2	Sectional area	1pcs/3coils	By balance (0.1g dividing)
3	Unbend property	1pcs/5coils	By balance (1mm Scale)
4	Strength of extension	Each coil	According to GB/T228
5	Stipulated plastic extending strength	1pcs/3coils	
6	Maximum total elongation (%)	3bars/betch	
7	Elongation after break (%)	1pcs/1coil	
8	Relaxation rate (%)	>1pcs/month	According to GB/T10120

Control point	Items and requirements			
	Φ7.1	Φ9	Φ10.7	Φ12.6
Drawing Nicking	7.1-7.4mm	8.95-9.35mm	10.9-11.3mm	12.9-13.3mm
Heat treatment	Quenching temperature:900-960C° ,Tempering temperature 400-480C°			
Finished products inspection	Shape,basic diameter,strength of extension,eiongation,stipulated plastic extending strength,sectional area,relaxation rate,unbend property			
Coll	Weight,electric joint removal,packaging requirements			

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