

各國吊機等級比較表  
Worldwide Hoist Classification Comparison List

機械 Machineries

	ISO	FEM	SFS	DIN	IKH	BS	CMAA
主要標準 Main Standards	ISO 4301	FEM / I-1970 FEM / IX (Hoist)	SFS-ISO 4301 SFS-ISO 4308 SFS 4300	DIN 15020 DIN 15070	SS 764 30 03 SS 765 30 01	BS 466 . 1984 BS 2573 : Part 2 1980	CMAA 70/1983
天車類 Crane Group	M1 M2 M3 M4 M5 M6 M7 M8	1Dm 1Cm 1Bm      1Bm 1Am      1Am 2m      2m 3m      3m 4m      4m 5m      5m Sect. IX Sect. I	ISO	1Dm 1Dm 1Bm 1Am 2m 3m 4m 5m	1Bm 1Am 2m 3m 4m 5m	ISO M3 M4 M5 M6 M7 M8	(Correspond FEM) A (1Bm) B (1Am) C (2m) II D (3m) III E (4m) VI F (5m) VII Note : In CMAA Always mach Group = Steel Structure Group
鋼索尺寸 Rope Dimensioning 安全系數 N Safety Factor N	N = 3.15 ... 3.55 ... 9.0 (M1 ... M3... M8)	Sect. I : Not Based on Safety Factor (in practice N = 3.5 ... 9) Sect. IX : Safety Factor	ISO	≡ FEM	ISO	ISO	N ≥ 5 (A-F) ≥ 8 Liquid Metal
鋼索捲繞直徑 Rope winding Dia. Drum      D1/d Pulley      D2/d Compensating Pulley      D3/d d = Rope Diameter	11.2 ... 14 ... 25 12.5 ... 16 ... 28 11.2 ... 12.5 ... 18 (M1 ... M3 ... M8)	16 ... 25 16 ... 28 14 ... 18 (1Bm ... 5m) Additionally -h2 (rope reeving) -non-rotating rope	ISO	FEM	ISO	ISO	16 ..... 30 16 ..... 30 12 ..... 15 1A ..... F1
鋼軌輪 Rail Wheels		Dimensioning Depends on : - Loading - Speed - Machinery Group - Material	FEM	Dimensioning Depending On : - Loading (Deviate iron FEM - Speed - ED - Material Rail Hardness	FEM	≡ FEM Partly Different Factor	≡ FEM Partly Different Factor
電動馬達 Electric Motor 記號 Harking 尺寸 Dimensioning		≡ IKH	FEM	ED-Rating(IEC) - heating - Torque			Short Time Rating (NEMA) "Rated Load"