



China Shipping Standards for Steel Coil Stuffing

The China shipping Standards for steel coil is based on surveyors' calculations and experiences, as one of guideline to prevent the containers/goods damage and minimized risks of accidents. According the risks of transportation steel coil, qualified independent surveyor is required.

中海集运对于卷钢的绑扎要求是基于检验机构的计算和经验，作为一个基本准则来保护集装箱和货物不受损坏以及减少事故发生。由于卷钢运输的危险性较大，必须由第三方合格认证机构做批检。

衬垫-Dunnage:

The size of wooden batten for chocking is with dimension Lx15x15cm (L is determined by the workers during stuffing). The size of wooden bar for dunnage is with dimension Lx15x15cm (The length of these layers are depending on the coil weight). The size of wooden wedge with dimension is 20(L)x15(H)x15(B)cm. 2 pcs of wooden bars are nailed on the floor of container as dunnage. 2 pcs of wooden wedges are respectively inserted in the coils and nailed on the dunnage as stopper. All the wooden batten/bar/wedge need to be fumigated.

在集装箱内，用 Lx15x15cm 的木条作为支撑(L: 长度由作业人员现场根据实际情况决定)。作为衬垫的木条尺寸为 Lx15x15cms (L: 垫木得长度根据钢卷实际重量和需要分摊情况而确定)。在货物前后放置的三角木尺寸为 20x15x15cm. 用 2 条木条钉在集装箱箱地板上作为衬垫，再用 2 只三角木插在钢卷下，并钉在衬垫条上作为定位梢。所有的木材都需要被熏蒸处理。





绑扎和支撑 Lashing and chocking:

The steel coils are transverse stowage in each container. Steel wire rope for lashing is with diameter of 12mm. All the coils in the container are lashed cross fixed to the rings on the floor. The gaps between each coils and side panel are chocked by timberwork / wooden wedges to protect the coils from movement to both sides.

钢卷横向的积载到每个集装箱内,用来固定这些钢卷的钢丝绳直径一般为 12mm. 箱中所有的钢卷都需要用钢丝绳交叉对称绑扎在相应的地令上。每个钢卷之间的和侧面的空隙都需要用木结构的支撑木或三角木来固定和支撑,用来保护防止这些钢卷在集装箱内移动。





	单卷绑扎 Single Steel Coil		多卷绑扎 Multiple Steel Coils
Weight 钢卷重量	<14 Tons 小于 14 吨	>14 Tons 大于 14 吨	Total weight < Container max load 总重量小于载重吨
Dunnage 衬垫	Lx15x15cms (L >260cms)	Lx20x20cms (L > 550cms)	Lx15x15cms Each Coil > 6 wooden battens 每个钢卷需大于 6 跟垫木
Chocking 支撑	Lx15x15cms	Lx15x15cms	Lx15x15cms Put one longitudinal layers stretching the pressure (see below) 当货物是多卷卷钢时，旁板的加固必须紧靠，而且压力必须平均分配（见下图）





Example
Standard for Packing
< 7 MT each



Put four wooden bars for each steel coil, and four stoppers for each Aft/Fore side.
每一卷下面垫放四根垫木，前后各需 4 个三角木固定



The space between two steel coils, use one wooden structure/timberwork to secure and sustain the gap.
相邻两卷间的空档用 2 组木架支撑，之间用木条连接



Left/Right side, use two wooden structures /timberworks to secure and sustain each coil
每个卷左右两侧各用 2 组木架支撑固定



Left/Right side, use two wooden structures /timberworks to secure and sustain each coil
每个卷左右两侧各用 2 组木架支撑固定



No.	Item	Dimension	
1	Wooden Bar 长条垫木	400cmx15cmx15cm	Place 4 x wooden bars under each coil 每一卷下面垫放四根垫木
2	Chocking 支撑木架	Lx15cmx15cm	Use two wooden structures/timberworks to secure each Left/Right side of steel coil. Also, place one extra wooden structure/timberwork to sustain the gap between two coils. 每个卷左右两侧各用 2 组木架支撑固定。相邻两卷之间的空档用 2 组木架支撑，之间用木条连接
3	Wooden Wedge 三角木	15cmx15cmx15cm	Use 8 wooden wedges for both Aft & Fore sides for each coil. 每个卷前后各需 4 个三角木固定
4	Wire 钢丝绳	Φ12mm	Use 4 wires to secure each coil, Aft and Fore direction. Symmetrical Lashing method, each wire secures with the lug which on the container top or floor. More than two wire clips for each wire 每个卷分别用四根钢丝绳加以绑扎，方向分别向前和向后，对称绑扎，分别固定在箱子底部和顶部的令环上。钢丝绳卡扣在每端不低于 2 个。
5	Wire Clip 卡扣	Standard 6	
6	Screw	Standard 16	N/A 无