



## Steel web elevator belt

### Technical Specifications

For tall, high tonnage industrial elevators. Steel cord keeps belt stretch to a minimum.

- Strength - up to 2,500 kN/m
- Covers 3 + 3 or 4 + 4
- Elongation at maximum working load 0.5%
- Temperature resistant up to 130°C continuous
- Anti static
- Bolt holes to customer specification

## 钢网提升机输送带

### 技术规格

适用于高大型高吨位工业提升机。钢丝绳芯使输送带具有最小的伸缩性。

- 强度 - 最大 2500 kN/m
- 覆盖层 3 + 3 或 4 + 4
- 在最大工作负载下，伸缩率为 0.5%
- 耐 130°C（持续）以下的高温
- 防静电性
- 可按照客户规格提供螺栓孔。



## STEEL WEB BELT

## 钢网输送带



Steel Web Core Carcass  
钢网芯带芯



Temperature Range -20°C to +130°C /  
温度范围为 -20°C 至 +130°C

Standard range 标准范围	Covers 覆盖层厚度 (mm)	Belt thickness 输送带厚度 (mm)	Minimum Pulley Ø 最小皮带轮Ø (mm)	Approx weight 参考重量 (kg/m <sup>2</sup> )
SW 800	3+3	12.0	500	18.0
SW 1000	3+3	12.0	500	18.7
SW 1250	3+3	13.0	630	21.0
SW 1400	4+4	15.0	630	24.5
SW 1600	4+4	15.0	630	25.0
SW 1800	4+4	15.0	630	25.5
SW 2000	4+4	15.0	800	26.0
SW 2500*	5+5	18.0	800	32.5

\* On special order

\* 可专门定制

### Other types on demand:

Type 1 - highly abrasion resistant with a maximum service temperature of 100°C

Type 2 - abrasion resistant with a maximum service temperature of 130°C. Continuous short peaks at 150°C

Type 3 - oil and fat resistant, anti static and flame retardant ISO 340

### 可根据要求提供其他型号:

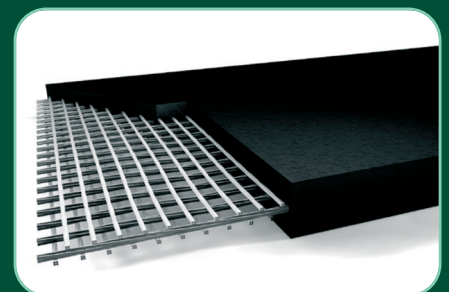
型号 1 - 具有较高的耐磨性，最高操作温度为 100°C

型号 2 - 具有耐磨性，最高操作温度为 100°C。持续短峰值温度为 150°C

型号 3 - 具有耐油脂性、防静电性和阻燃性 ISO 340



Steel Web  
钢网



(Use with BC Clamp - see p.11)/  
(与 BC 钳夹配套使用 - 参见第 11 页)



# STEEL WEB/钢网

The 4B Steel Web Belt is a rubber elevator belt with a special steel cord core. The cords provide low elongation with high elasticity in the length, and cross rigidity in the width. The built-in elasticity allows running over slightly crowned pulleys which greatly improves belt tracking, and helps to avoid belt wandering which is often the reason for elevators shutting down. The rigid web cords act as a barrier to ripping and tearing which increases the holding ability for the bucket bolts. This produces a good cross rigid belt resulting in excellent straight tracking characteristics.

In contrast, most conventional steel cable belts lack elasticity and consequently have to run over truly flat, cylindrical pulleys which increases the risk of belts off-tracking.

The 4B Steel Web Belt is designed for heavy duty/industrial bucket elevator applications with long centre distances that require stable running and reliable belts with high safety factors. All 4B Steel Web Belts are manufactured in accordance with DIN 22102 and ISO norms.

4B 钢网输送带是一种橡胶提升机输送带，具有特殊的钢丝帘线带芯。这种钢丝帘线的伸缩性较低，纵向弹性好，横向刚度高。固有弹性有利于输送带在微微隆起的滑轮上运行，极大改善了输送带跟踪性，并且有助于避免常常导致提升机停机的问题。刚性帘线的作用是防止拉扯与撕裂，从而增强了料斗螺栓的紧固能力。输送带因此获得良好的横向刚性，进而实现出色的直线跟踪特性。

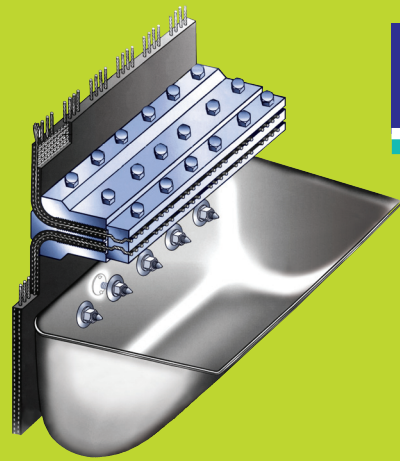
作为对比，大多数传统的钢缆输送带缺乏弹性，因而只能在很平整的圆柱形滑轮上运行，这会提高输送带跑偏的风险。

4B 钢网输送带适用于中心距离较长的重型/工业斗式提升机应用环境，这种应用环境需要运行稳定可靠、安全系数高的输送带。所有 4B 钢网输送带均按照 DIN 22102 和 ISO 规范制造。



Detailed View of Steel Web Core  
钢网芯的详细视图

Tall Elevator in Cement Plant  
水泥厂的高大型提升机



## SJ Buckets + BC Clamp + Steel Web Belt/SJ 料斗 + BC 钳夹 + 钢网输送带

### High Capacity System

A proven solution for the heavy industry

4B can offer an integrated system of Steel Web Belting, SJ Pressed Steel Buckets and FREE engineering for elevator designs with compact industrial elevators.

**Advantages of using the SJ System and Steel Web Belt:**

- Savings of up to 33% on component costs
- Heavy duty but lighter weight system
- Taller elevators are possible (up to 450ft/150m)
- Low maintenance costs
- Higher belt speeds are possible
- Closer bucket spacing
- Higher capacity and efficiency



### 大容量系统

适用于重工业的成熟解决方案

4B 可以提供由钢网输送带、SJ 压制钢制料斗以及免费的工程服务组成的综合系统，满足采用紧凑型工业提升机的提升机设计需求。

采用 SJ 系统和钢网输送带的优点在于：

- 节约高达 33% 的组件成本
- 重量更轻的重型系统
- 可以使提升机的高度更高（最高可达 450ft/150m）
- 低维护成本
- 输送带速度更高
- 料斗间距更小
- 容量更大、效率更高



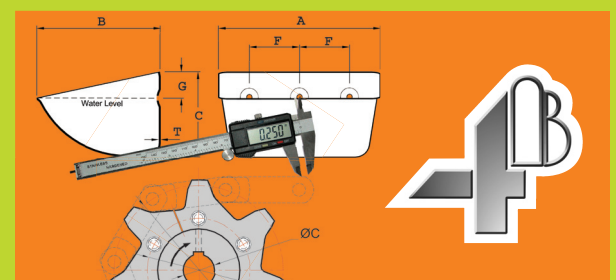
Braime Clamp Splice on 4B Steel Web Core Belt

4B 钢网芯输送带上的 Braime Clamp 输送带接头



Starco Jumbo Buckets on 4B Steel Web Core Belt Cement Application

4B 钢网芯输送带钳夹设备上的 Starco Jumbo 料斗（水泥应用环境）



FREE Technical Support and Design Service

免费技术支持与设计服务