



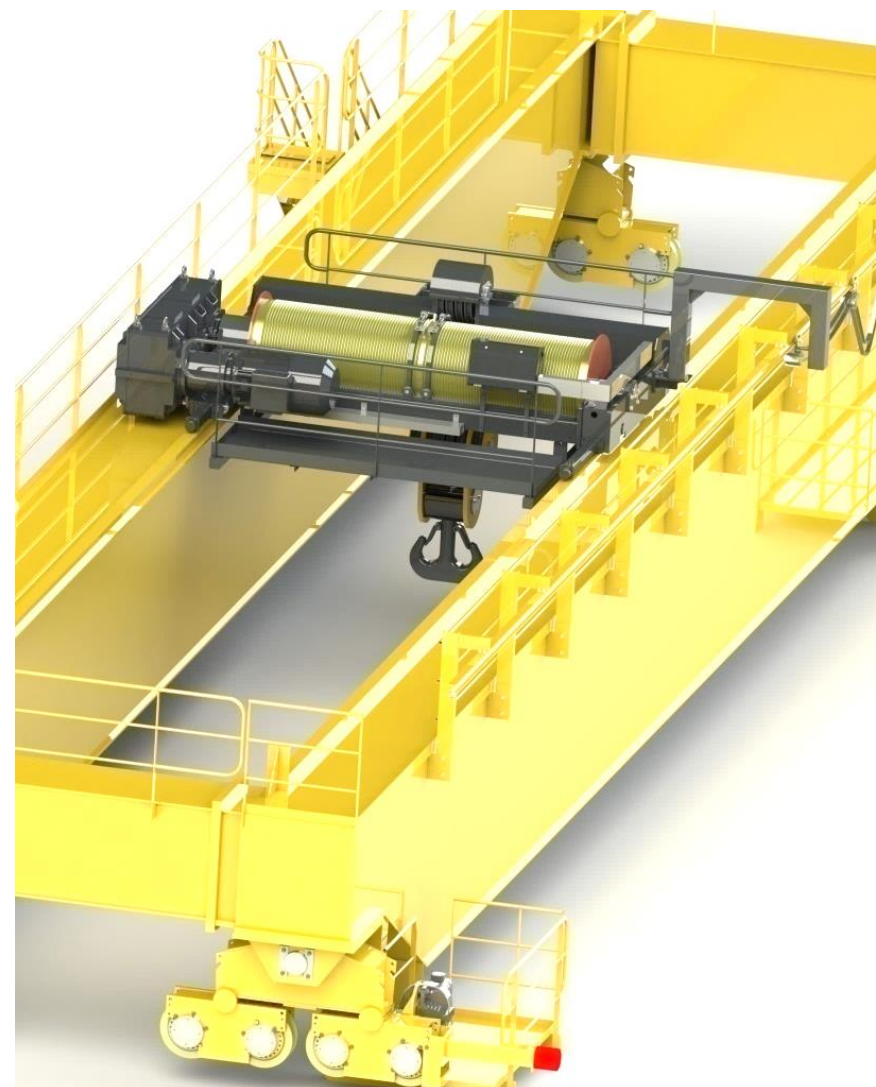
W系欧式卷扬规格

起重量 SWL (t)
4t - 500t

起升高度 HOL (m)
Max. 160m

工作等级 Class
M3 - M8

欧式卷扬起升机构
Tailor-made Heavy Winch



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W系欧式卷扬特点



欧式低净空设计，高度矮，自重轻，节约建筑成本

FEM/DIN/ISO standard, space saving

柔性驱动，内应力小，效率高，静音

Flexible transmission, smooth & silent running

智能控制，自动化解决方案

Automation application

节能、低碳，免维护

Saving power, low carbon, maintenance free

起升电机

鼠笼式重载电机，闭环变频无极调速，持续率60-100%ED

侧挂悬臂式安装，柔性三点铰接驱动，消除内应力

超频设计，20%以下轻载起升速度可扩展到额定速度150%

防护等级IP55，F级绝缘

过热保护

Stepless motor, close loop inverter control, heavy duty 60-100%ED rating

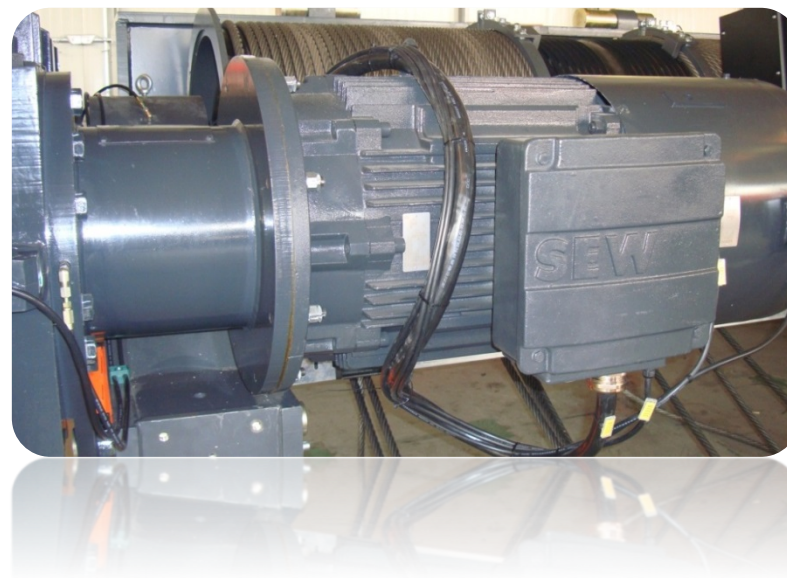
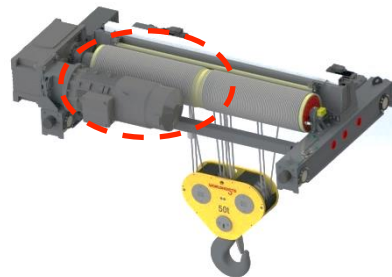
Flexible connection, high efficiency

Expanding speed range, up to 150% rated speed in case loading $\leq 20\%$

IP55 / F Insulation

Over heating protection

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起升减速机

紧凑型优化设计，自重减轻50%

侧挂柔性驱动，传动效率高，内应力小

高精度硬齿面，全寿命设计，噪音低，免维护

Smaller gearbox with planetary gear

Side supporting, flexible transmission

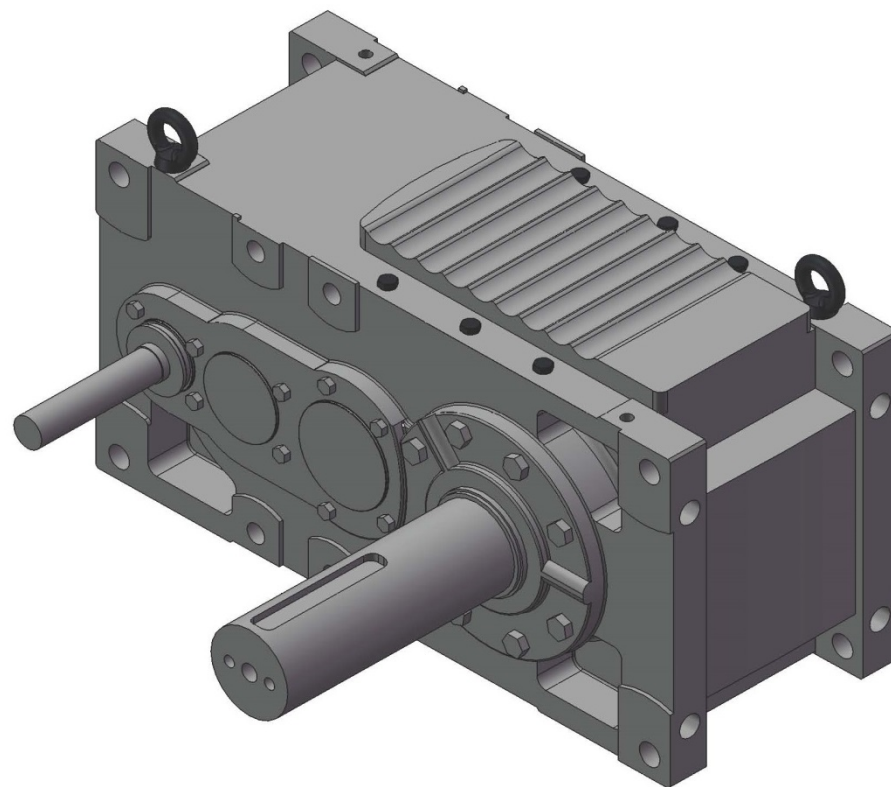
Hardened gear, silent running, maintenance free



2500年以前中国已有齿轮传动

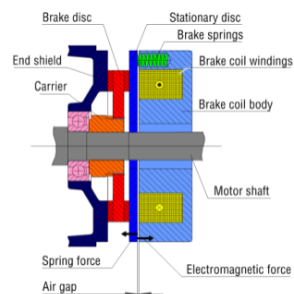
此文物再现秦汉人高超智慧

齿轮传动是至今最广泛应用的传动方式





电磁盘式制动器
全密封，防尘
不含石棉，环保
刹车片寿命100万次
手动释放（选项）
制动平稳，重级制
免维护



Electromagnetic disk brake
Total enclosed
Dust proof
Long life liner
Manual release (Option)
Heavy duty
Maintenance free

起升制动器



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三点全静定支撑

三点式铰接支撑，全静定结构

侧挂式减速机、电机

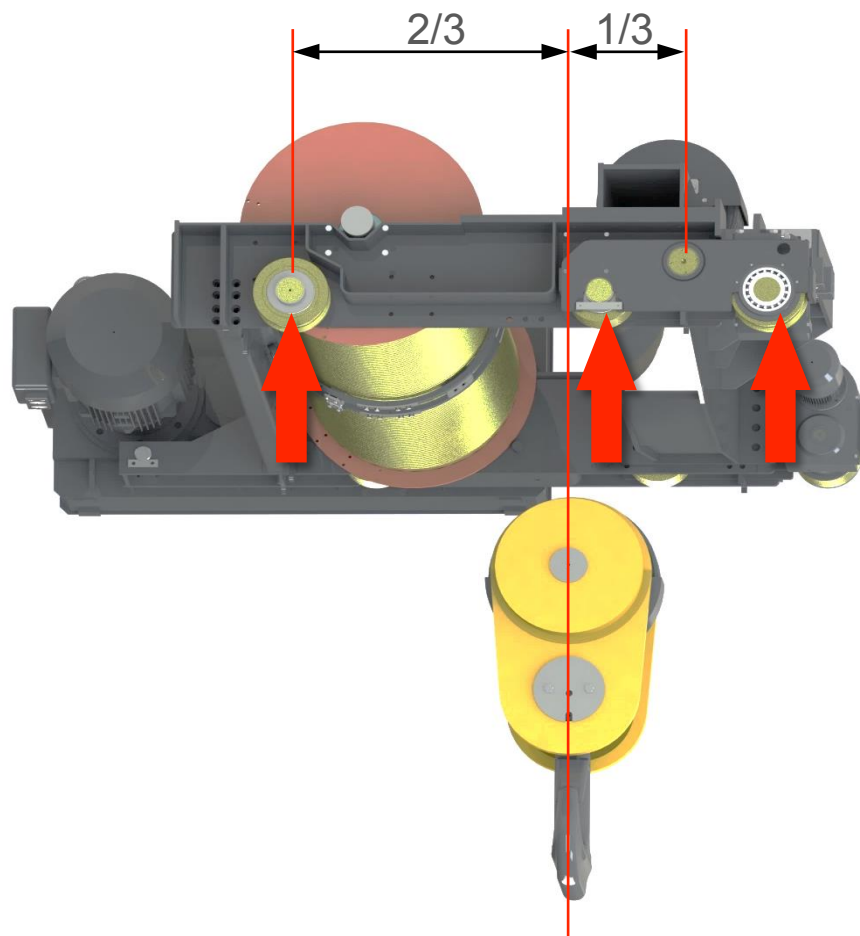
结构紧凑，柔性驱动，传动效率高

Three-point-support designing, static frame

Side-hanging gearbox and motor

Compacted, flexible and efficiency driving





六轮小车

六轮柔性设计，单点轮压减少30%
 每个轮子承重1/6轮压
 轮压分散、均布
 小车运行平稳，消除三条腿，延长主梁寿命

2x3 wheels optimized designing
 Less wheel load
 Flexible trolley with balance pin



欧式卷扬起升机构
 Tailor-made Winch



现代花园
XIANDAIHUAYUAN

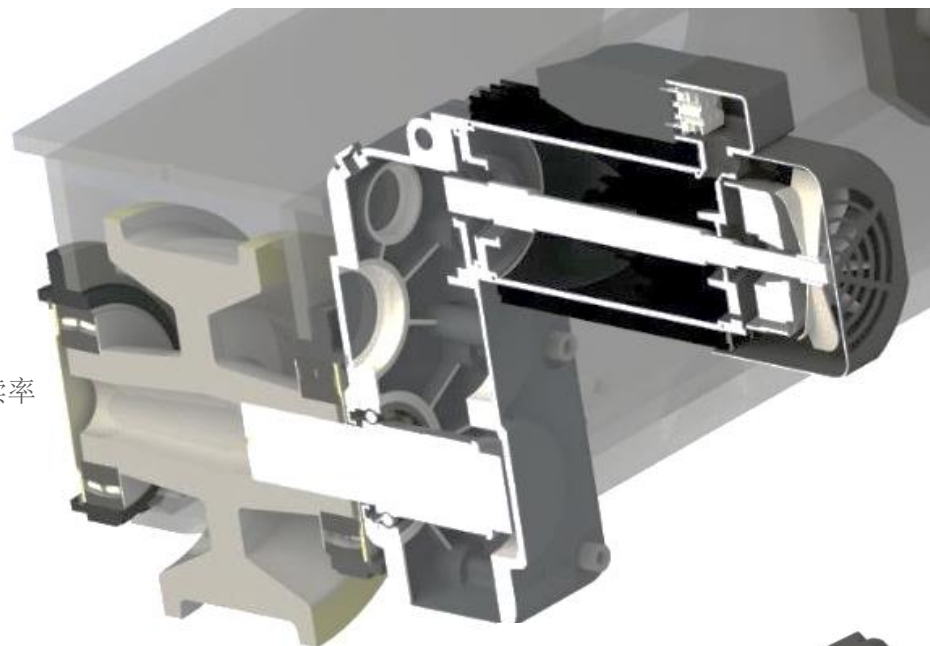
partner of

SWF
KRANTECHNIK

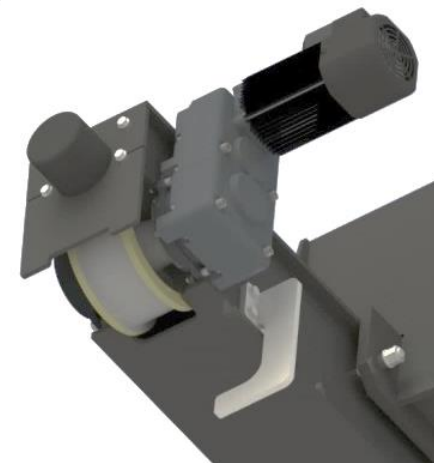
电机、减速机、制动器三合一，结构紧凑，体积小，自重轻
直驱柔性设计，传动效率比传统联轴器型提高30%
花键输出，扭矩传递平稳，适合频繁反向切换
鼠笼式变频电机，IP55防护等级，F级绝缘，60%ED接地持续率
硬齿面减速机，密封良好不漏油
电磁盘式制动器，制动力矩恒定
插拔式航空插头，密封性好，安全可靠，安装维护方便
免维护

Combined motor, gear, brake, lighter and smaller
Direct-transmission designing, efficiency 30% higher
Spline shaft output
Invertor motor, IP55/F, 60%ED
Hardened gear, long life
Disk brake
Maintenance free

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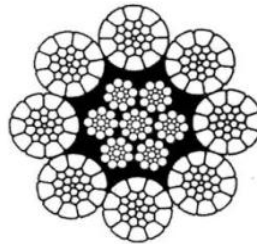


小车驱动



钢丝绳

压实股高强钢丝绳，抗拉强度达到 1960N/mm^2
比传统钢丝绳直径小40%以上，柔软性好，寿命长
重级制，适应频繁重载
垂直起升设计，吊钩无漂移
专用压绳块，布局密集，防松效果好，紧固更可靠
熔断截绳工艺，断面熔合牢固，防止钢丝绳散股或抽股



High grade steel wire rope, broken stress up to 1960N/mm^2
Heavy duty designing
True vertical lifting, hook
Optimized rope clamping, more safety
Melting cutting, avoid rope loosening



导绳器

强度高、耐用

导环松紧可调，滑块独立安装，维修方便

滑轮和导板确保定位精确、运行可靠

全周设计防松绳，即使吊钩落地也不会松绳

斜拉Max. $\pm 10^\circ$ 钢丝绳不跳槽

延长钢丝绳寿命

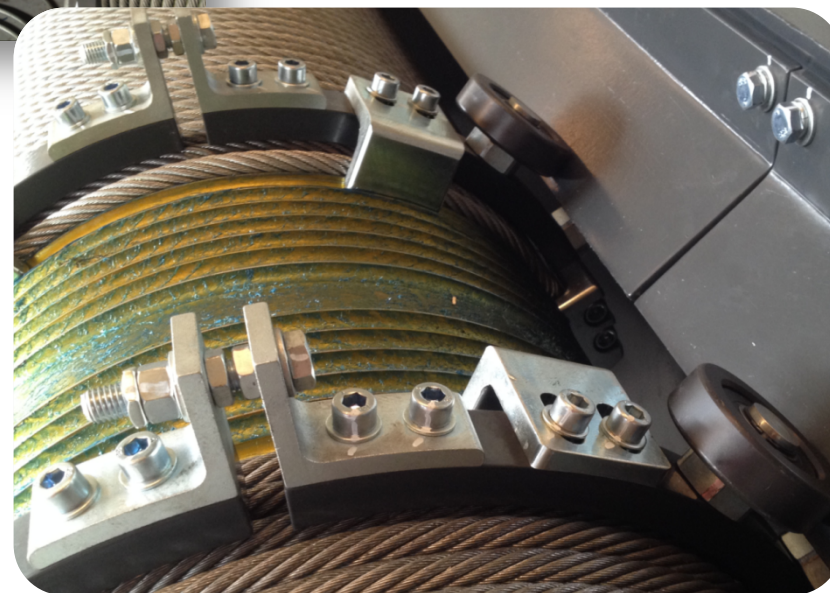
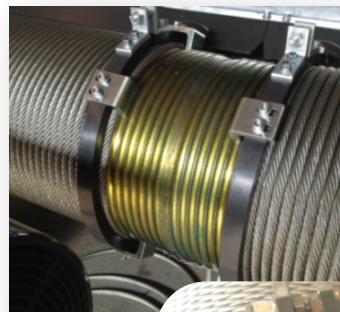
Heavy duty rope guider

Adjustable, easier maintenance

Slacken protection

Groove protection

Longer life



超载限位

由高灵敏度载荷传感器、放大器组成

称重精度：轻载 $\pm 5\%$ 、重载 $\pm 2\%$

超载100%报警

超载110%报警+只下不上

超载125%报警+立即自动停车

第二超载限位：机械式超载限位（选项）

Load sensor and amplifier overloading protection system

Accuracy: light load $\pm 5\%$, heavy load $\pm 2\%$

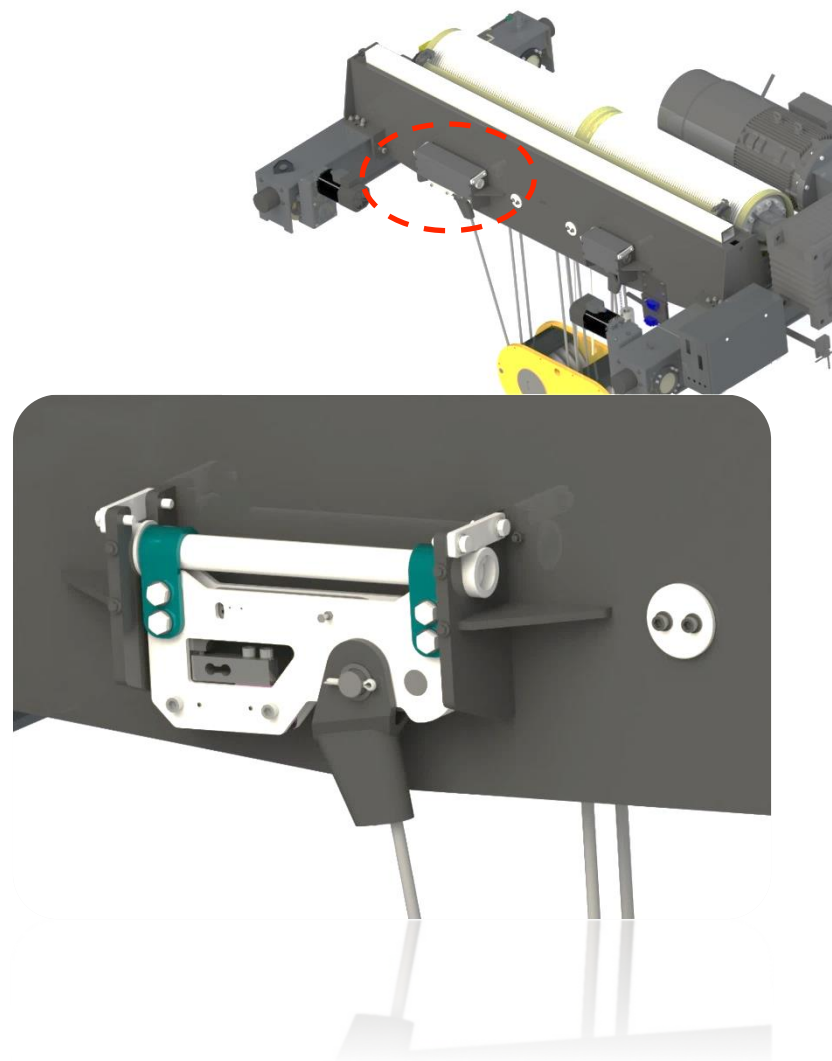
Alarming up to 100% loading

Alarming and downwards only up to 110% overloading

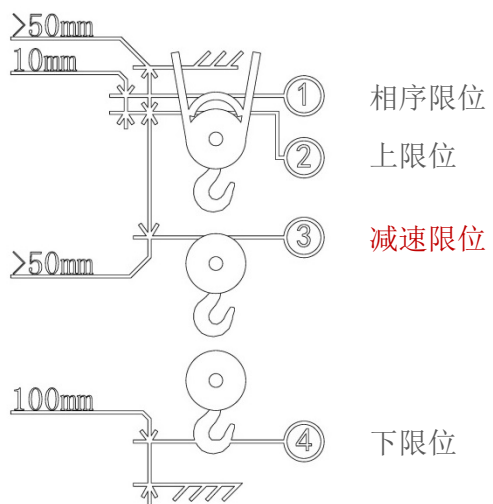
Alarming and immediately stop up to 125% overloading

2nd protection: Mechanical overload switch (option)

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起升限位

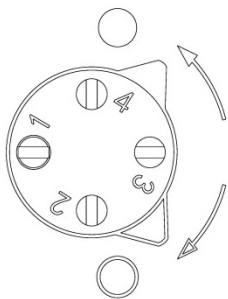


Utmost Top Position

Defined Top Position

Slow-down Position

Bottom Position



RL4-0050
RL4-0077
RL4-0121
RL4-0189
RL4-0294
RL4-0512
RL4-0892

四级旋转限位，可编程

自动减速，减少冲击惯性

缺相保护，防止吊钩冲顶

Rotating 4-steps adjustable

Less impaction

Phase sequence control



欧式卷扬起升机构
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安全保护体系

20

基本保护功能
Std feature

7

扩展保护功能
Option feature

