

## CoreTech™ 优势

是由重量轻、高强度、耐腐蚀且耐磨的复合材料制成。此外，输送带友好型结构意味着即使壳体磨损严重也不会损坏输送带。

### CoreTech™ 可解决常见问题

**寿命。** CoreTech™ 托辊实现了结构性强度和采矿要求的最佳结合，采矿要求包括抗腐蚀性、耐磨损性和尽可能小的表面摩擦。

**腐蚀。** 当周围较为潮湿，存在盐分或其他腐蚀性物质时，CoreTech 产品可取代钢制托辊。CoreTech 托辊与钢制托辊的CEMA 率相同，功能性能亦可相匹敌，且使用寿命更长。

**重量。** CoreTech 托辊比同等的钢制托辊轻约 40%，由于钢制托辊直径越大，则托辊就越长，因此重量可减少近 50%。CoreTech 托辊只需一个人即可完成提起、搬动和放置操作，在提高生产率的同时又可保证工人的安全。

**能耗。** CoreTech 托辊的运转摩擦值较小，根据不同应用，每年最多可减少能耗费用 30%。在启动和运转过程中电力消耗较少，因此能耗减少。

**噪音。** CoreTech 托辊比钢制托辊的噪音小得多。CoreTech 托辊产生的噪音预计比金属托辊低 +/- 10 dB。这种噪音差异意味着是在低于最大噪音分贝的环境下运作，还是违反规定且危及工人安全。

## 经过现场验证的密封设计

**硬质保护层** - 硬质保护层紧紧压制在轴上，托辊运转时处于静止状态。这是第一道防线，可防止较大异物损坏密封件。因硬质保护层处于静止状态，它可以限制滚动的组件接近惰轮外侧的工人，从而提高安全性。

**离心密封件** - CoreTech™ 密封设计的关键部分，离心密封件与托辊同步旋转，专门设计用于形成力度达 9X 重力的漩涡。这样可排除可能通过硬质保护层的水汽和细料。离心密封是防止水汽和污垢进入轴承室最有效的方法，而且不需要涂润滑油。

**深槽滚珠轴承** - 最后一道防线，所有 CoreTech 托辊均使用深槽、出厂润滑和永久性密封的滚珠轴承。所选轴承可确保所有 CoreTech 托辊均达到所需的应用等级，并保护轴承不会因为腐蚀或剥落造成过早损坏。

**轴承壳** - 轴承壳与托辊管焊接在一起，确保水汽或粉尘无法进入托辊。尽管很多托辊使用压合连接式端盘设计，但 CoreTech 托辊采用的是单一外壳设计。这样就不会发生端盘移位，也不会损坏输送带。

**外壳保护层** - 外壳保护层表面光滑，可优化离心密封件的操作。

## 主要特点与优势



超轻结构，装卸更  
安全、更方便。



混合的高级复合材料  
可清除托辊上的回运  
物料，防止物料积聚和  
输送带损坏。



离心密封件设计具有保  
护作用，防止滞留物料  
损坏端盘，因端盘损坏  
通常会导致托辊过早  
损坏。



复合材料具有极佳的冲  
击吸收性能，可为轴承  
和其他托辊部件提供  
更多的支持，从而延长托  
辊寿命。

## CoreTech™ 尼龙输送机托辊

尼龙 125 mm (5") 直径						
槽型	输送带 宽度		描述*			
	mm	in.	CEMA B	CEMA C	CEMA D	
槽型	450	18	N5B3T-18-XXX-SE	N5C3T-18-XXX-SE		
	600	24	N5B3T-24-XXX-SE	N5C3T-24-XXX-SE	N5D3T-24-XXX-SE	
	750	30	N5B3T-30-XXX-SE	N5C3T-30-XXX-SE	N5D3T-30-XXX-SE	
	900	36	N5B3T-36-XXX-SE	N5C3T-36-XXX-SE	N5D3T-36-XXX-SE	
	1050	42	N5B3T-42-XXX-SE	N5C3T-42-XXX-SE	N5D3T-42-XXX-SE	
	1200	48	N5B3T-48-XXX-SE	N5C3T-48-XXX-SE	N5D3T-48-XXX-SE	
	1350	54		N5C3T-54-XXX-SE	N5D3T-54-XXX-SE	
	1500	60		N5C3T-60-XXX-SE	N5D3T-60-XXX-SE	
	1800	72			N5D3T-72-XXX-SE	
	平回程	600	18	N5BF-18-XXX-SE	N5CF-18-XXX-SE	N5DF-18-XXX-SE
750		24	N5BF-24-XXX-SE	N5CF-24-XXX-SE	N5DF-24-XXX-SE	
900		30	N5BF-30-XXX-SE	N5CF-30-XXX-SE	N5DF-30-XXX-SE	
1050		36	N5BF-36-XXX-SE	N5CF-36-XXX-SE	N5DF-36-XXX-SE	
1200		42	N5BF-42-XXX-SE	N5CF-42-XXX-SE	N5DF-42-XXX-SE	
1350		48	N5BF-48-XXX-SE	N5CF-48-XXX-SE	N5DF-48-XXX-SE	
1500		54			N5DF-54-XXX-SE	
1800		60			N5DF-60-XXX-SE	
V形回程		600	24		N5CV-24-XXX-SE	N5DV-24-XXX-SE
		750	30		N5CV-30-XXX-SE	N5DV-30-XXX-SE
	900	36		N5CV-36-XXX-SE	N5DV-36-XXX-SE	
	1050	42		N5CV-42-XXX-SE	N5DV-42-XXX-SE	
	1200	48		N5CV-48-XXX-SE	N5DV-48-XXX-SE	
	1350	54		N5CV-54-XXX-SE	N5DV-54-XXX-SE	
	1500	60		N5CV-60-XXX-SE	N5DV-60-XXX-SE	
	1800	72			N5DV-72-XXX-SE	

尼龙托辊将最新的塑料技术与智能设计相结合，从而生产出高强度、高性能且耐用的托辊。非常适合于中型和重型应用，对于CEMA B、C、D、E、F 额定载荷，CoreTech 尼龙托辊是理想选择。

尼龙 150 mm (6") 直径					
槽型	输送带 宽度		描述*		
	mm	in.	CEMA C	CEMA D	CEMA E
槽型	450	18	N6C3T-18-XXX-SE		
	600	24	N6C3T-24-XXX-SE	N6D3T-24-XXX-SE	
	750	30	N6C3T-30-XXX-SE	N6D3T-30-XXX-SE	
	900	36	N6C3T-36-XXX-SE	N6D3T-36-XXX-SE	N6E3T-36-XXX-SE
	1050	42	N6C3T-42-XXX-SE	N6D3T-42-XXX-SE	N6E3T-42-XXX-SE
	1200	48	N6C3T-48-XXX-SE	N6D3T-48-XXX-SE	N6E3T-48-XXX-SE
	1350	54	N6C3T-54-XXX-SE	N6D3T-54-XXX-SE	N6E3T-54-XXX-SE
	1500	60	N6C3T-60-XXX-SE	N6D3T-60-XXX-SE	N6E3T-60-XXX-SE
	1800	72		N6D3T-72-XXX-SE	N6E3T-72-XXX-SE
	2100	84			N6E3T-84-XXX-SE
2450	96			N6E3T-96-XXX-SE	
平回程	450	18	N6CF-18-XXX-SE		
	600	24	N6CF-24-XXX-SE	N6DF-24-XXX-SE	
	750	30	N6CF-30-XXX-SE	N6DF-30-XXX-SE	
	900	36	N6CF-36-XXX-SE	N6DF-36-XXX-SE	N6EF-36-XXX-SE
	1050	42	N6CF-42-XXX-SE	N6DF-42-XXX-SE	N6EF-42-XXX-SE
	1200	48	N6CF-48-XXX-SE	N6DF-48-XXX-SE	N6EF-48-XXX-SE
	1350	54	N6CF-54-XXX-SE	N6DF-54-XXX-SE	N6EF-54-XXX-SE
	1500	60	N6CF-60-XXX-SE	N6DF-60-XXX-SE	N6EF-60-XXX-SE
	1800	72		N6DF-72-XXX-SE	N6EF-72-XXX-SE
	2100	84			N6EF-84-XXX-SE
2450	96			N6EF-96-XXX-SE	
V形回程	600	24	N6CV-24-XXX-SE	N6DV-24-XXX-SE	
	750	30	N6CV-30-XXX-SE	N6DV-30-XXX-SE	
	900	36	N6CV-36-XXX-SE	N6DV-36-XXX-SE	N6EV-36-XXX-SE
	1050	42	N6CV-42-XXX-SE	N6DV-42-XXX-SE	N6EV-42-XXX-SE
	1200	48	N6CV-48-XXX-SE	N6DV-48-XXX-SE	N6EV-48-XXX-SE
	1350	54	N6CV-54-XXX-SE	N6DV-54-XXX-SE	N6EV-54-XXX-SE
	1500	60	N6CV-60-XXX-SE	N6DV-60-XXX-SE	N6EV-60-XXX-SE
	1800	72		N6DV-72-XXX-SE	N6EV-72-XXX-SE
	2100	84			N6EV-84-XXX-SE
	2450	96			N6EV-96-XXX-SE

尼龙 175 mm (7") 直径						
槽型	输送带 宽度		描述*			
	mm	in.	CEMA E	CEMA F		
槽型	900	36	N7E3T-36-XXX-SE	N7F3T-36-XXX-SE		
	1050	42	N7E3T-42-XXX-SE	N7F3T-42-XXX-SE		
	1200	48	N7E3T-48-XXX-SE	N7F3T-48-XXX-SE		
	1350	54	N7E3T-54-XXX-SE	N7F3T-54-XXX-SE		
	1500	60	N7E3T-60-XXX-SE	N7F3T-60-XXX-SE		
	1800	72	N7E3T-72-XXX-SE	N7F3T-72-XXX-SE		
	2100	84	N7E3T-84-XXX-SE	N7F3T-84-XXX-SE		
	2450	96	N7E3T-96-XXX-SE	N7F3T-96-XXX-SE		
	平回程	900	36	N7EF-36-XXX-SE	N7FF-36-XXX-SE	
		1050	42	N7EF-42-XXX-SE	N7FF-42-XXX-SE	
1200		48	N7EF-48-XXX-SE	N7FF-48-XXX-SE		
1350		54	N7EF-54-XXX-SE	N7FF-54-XXX-SE		
1500		60	N7EF-60-XXX-SE	N7FF-60-XXX-SE		
1800		72	N7EF-72-XXX-SE	N7FF-72-XXX-SE		
2100		84	N7EF-84-XXX-SE	N7FF-84-XXX-SE		
2450		96	N7EF-96-XXX-SE	N7FF-96-XXX-SE		
V形回程		900	36	N7EV-36-XXX-SE	N7FV-36-XXX-SE	
		1050	42	N7EV-42-XXX-SE	N7FV-42-XXX-SE	
	1200	48	N7EV-48-XXX-SE	N7FV-48-XXX-SE		
	1350	54	N7EV-54-XXX-SE	N7FV-54-XXX-SE		
	1500	60	N7EV-60-XXX-SE	N7FV-60-XXX-SE		
	1800	72	N7EV-72-XXX-SE	N7FV-72-XXX-SE		
	2100	84	N7EV-84-XXX-SE	N7FV-84-XXX-SE		
	2450	96	N7EV-96-XXX-SE	N7FV-96-XXX-SE		

\* 请注意：描述中包括 2 个占位符。  
XXX 表示托辊面宽度  
SE 表示轴端类型  
最终描述将按照客户订单要求进行调整。

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