



SJ Pressed Buckets & Steel Web Belt System

TECHNOLOGY · INNOVATION · QUALITY · VALUE

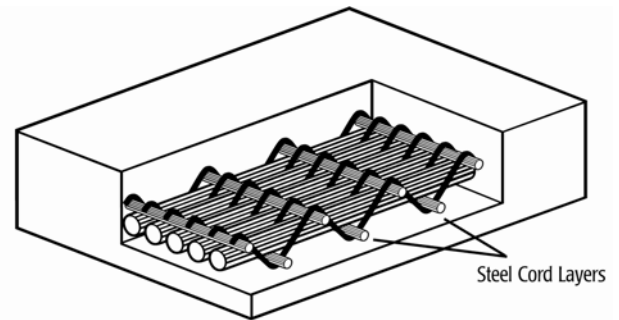


STARCO JUMBO

Developed to meet the needs of the industrial type elevators, particularly cement, but can also handle many other materials.

The Starco Jumbo is a pressed steel bucket made from heavy gauge sheet steel, producing a bucket of optimum strength at the most economic price. Designed for use with standard rubber or steel web elevator belting (see elevator belting section). Also suitable, with plain holes, on a chain and bucket elevator.

STEEL WEB BELT



- ▶ High capacity industrial duty buckets – pressed steel.
- ▶ Designed and engineered to replace large fabricated buckets.
- ▶ Reduce elevator case dimensions.

- ▶ Steel web belt to replace chain for improved life and decreased maintenance.
- ▶ Available for use in high temperature applications.

FREE
ENGINEERING DESIGN SERVICE

Please refer to instruction manual for correct installation.
Information subject to change or correction. May 2007.

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HIGH CAPACITY, LOW MAINTENANCE SYSTEM FOR INDUSTRIAL ELEVATORS

Compared to traditional chain, belt and bucket elevators, steel web belt fitted with Starco Jumbo buckets offer you:

- Up to double the elevator capacity.
- Throughputs up to 1000 TPH and over.
- Much lower capital investment.
- Longer trouble-free life.
- Reduced maintenance and spares cost.
- Opportunity to upgrade capacity of existing elevators.

LIMITATIONS OF USING TRADITIONAL CHAIN AND BUCKET ELEVATOR

- Uses heavy chain and large fabricated buckets, which are expensive to manufacture and are limited to maximum operating speeds of 250 Ft./Min. – severely restricting total elevator capacity.
- The chain and sprocket are subject to constant wear = high maintenance and replacement costs.

ADVANTAGES OF USING STARCO JUMBO AND STEEL WEB ELEVATOR BELTING

- Uses rows of closely spaced, heavy-duty Starco Jumbo seamless steel buckets and steel web purpose designed elevator belt, to produce a bucket elevator capable of up to 430 Ft./min. achieving far greater capacities relative to the width of the elevator case than its chain alternative.
- Savings of over 33% on component costs alone.
- Smaller elevator casing reducing machine cost.
- The belt wears significantly less than the chain and sprocket alternative, dramatically reducing down-time, maintenance and spares costs. Steel web belting also does not stretch, like standard rubber belting.
- High temperature belts available.

STARCO JUMBO

Pressed Seamless Steel

Special holes/thicknesses/wear bands – available on request.

FREE DETAILED TECHNICAL PROPOSALS AND ADVICE FROM OUR TEAM OF EXPERIENCED DESIGN ENGINEERS

Example: Elevator to handle 17,000 Ft.3/Hr.

Traditional Chain and Welded Bucket

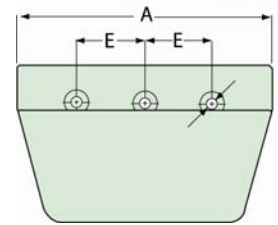
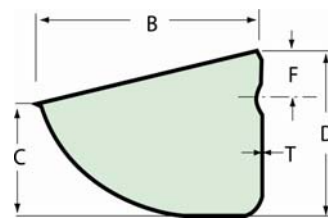
Sprocket 36" PCD (approx.)
 Chain Speed 250 Ft./Min.
 Buckets Fabricated DIN 15234 (49" x 15.75")
Case Size 55 x 22

Steel Web Belt and Starco Jumbo Pressed Buckets

Pulley 36" Dia.
 Belt Speed 370 Ft./Min.
 Seamless Buckets 2 x SJ370-250
Case Size 36 x 15

Reduced case size = Lower machine cost plus over 33% savings on components.

STEEL WEB BELT FASTENER ARRANGEMENT



SPECIFICATIONS

Part #	Length A	Proj. B	Front Depth C	Basic Depth D	Thickness T	Lbs.	Capacity in ³			Recessed Holes			
							Gross Capacity	Water Level	No of Holes	Bolt Size	Hole Center E	Dist. Down F	Min. Cup Spacing
SJ330-250/3	13 ³ / ₈	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	¹ / ₈	9.9	586	439	3	⁵ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈
SJ370-250/3	15	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	¹ / ₈	11.3	659	507	4	⁹ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈
SJ470-250/3	18 ⁷ / ₈	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	¹ / ₈	14.3	854	641	5	⁹ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈
SJ330-250/4	13 ³ / ₈	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	⁵ / ₃₂	13.3	586	439	3	⁹ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈
SJ370-250/4	15	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	⁵ / ₃₂	14.8	659	507	4	⁹ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈
SJ470-250/4	18 ⁷ / ₈	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	⁵ / ₃₂	19.0	854	641	5	⁹ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈
SJ470-250/4.7	18 ⁷ / ₈	10 ¹ / ₄	5 ¹ / ₈	7 ¹ / ₂	³ / ₁₆	22.3	854	641	5	⁹ / ₁₆	3 ³ / ₈	2 ¹ / ₈	7 ⁷ / ₈

All Dimensions in inches.

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