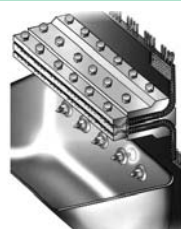


4B LAUNCHES THE SJ BUCKET AND STEEL WEB BELT INTO NORTH AMERICA

News Flash

4B Components, Ltd. is pleased to announce that they have introduced the Polysur Ferro Steel Web Belt, together with the SJ Bucket System, for the North American Industrial market.



Steel Web Belt with SJ Pressed Steel Bucket and Belt Fastener

With the demand for larger capacities, more efficient and cost effective elevators to handle industrial products such as cement. 4B components have now available in North America, the SJ (Starco Jumbo) Industrial Duty Elevator Bucket and Steel Web Belt. The 4B European Headquarters have successfully used this system worldwide over the last ten years, within the cement industry.

However, this system can also be used in other industrial applications such as:

- Coal
- Gypsum
- Aggregates
- Ores



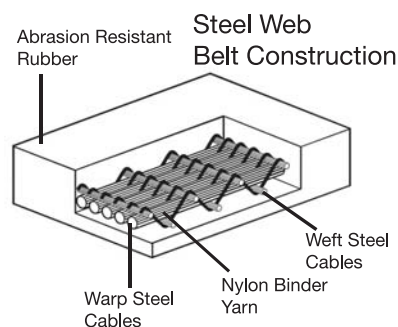
4B can offer an integrated system of Steel Web Belting, SJ Pressed Steel Buckets and FREE Engineering for elevator designs with compact industrial elevators. The SJ System replaces the need for traditional Chain and Bucket Elevators, and also

replaces very large cumbersome belt with very slow moving fabricated (and expensive) elevator buckets.

The SJ and Steel Web Belt System uses 1 to 4 rows of closely spaced heavy duty pressed steel buckets 5/32" thick (abrasion resistant wear bands are available). This system can be used on existing elevators using chain or belting, with the use of our free engineering service this can be upgraded to the SJ System. We can also give free design assistance on new elevators too. 📄

The Advantages of using the SJ System & Steel Web Belt:

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



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East Peoria, Illinois 61611 USA

Telephone 309-698-5611
Facsimile 309-698-5615
Email 4B@go4B.com

Please call for in-depth product information, or visit our website at

www.go4b.com

Employee Profile



Dave Wolstencroft, P.E.

Technical Manager

Dave Wolstencroft, P.E. Technical Manager, is a Chartered Engineer and has an Honors Degree in Engineering. He is a UK native who was transferred from the European Headquarters (Leeds, UK) in January 2004, having worked with the company since 1995.

He is responsible for the Chain division of the company, and all Technical aspects of Material handling engineering at 4B. Although engineering is his background he has been 'bitten by the sales bug', and loves working with both roles.

Outside of work Dave tries badly to play the beautiful game called football or 'soccer' and also watches 'soccer' beamed in from the UK, with his beloved home team being Liverpool. He also enjoys cooking, and he is notorious for his Indian curry creations. He is married to his wife Wendy, and has a little girl named Sophie. 🍀



Industrial Heavy Duty "Nyrim" Cast Nylon Buckets

Do you have a harsh industrial application where steel buckets are not an option to use? Talk to 4B about the Industrial Heavy Duty "Nyrim" Cast Nylon AA Style Buckets. They hold more than great capacities, they also hold great value!

This rugged and tough bucket is reaction molded from high impact, wear, and corrosion resistant super tough nylon rubber, that can be used in various harsh industrial applications, such as coal, cement, aggregate, sand, fly ash, fertilizers and along with most any other industrial products. "Nyrim" buckets are molded from material exclusive to this style bucket only, and are designed for long life solutions, which will pay back many times over with less frequent bucket replacement. Molded with extra thick walls, this bucket provides extended working life with minimum maintenance. Also, the "Nyrim" bucket will handle product temperatures up to 212 degrees Fahrenheit/100 degrees Celsius.

Does your elevator leg have a problem with material sticking to the surface of the existing buckets, reducing the legs capacity? Then this "Nyrim" bucket is what you need as it possesses a non-stick quality, which reduces product build-up and helps to preserve the elevator leg capacity. Another advantage of using this bucket is its versatility for use in new installations or in retro-fit situations, and is widely used in chain and belt applications. This bucket is offered in four sizes, 12 x 8, 16 x 9, 20 x 10 and 26 x 12.

If longer life and low maintenance are values you are looking for in industrial bucket applications, then look no further than the "Nyrim" Nylon AA Style Bucket. Please call 4B for free technical advise and design service, we have an application engineer waiting to assist you! 🍀



26" x 12"

"Hold Great Value!"

NEW ATEX Approved Tilt Switch

**HOT NEW
PRODUCT**

The New Tilt Switch from 4B Components USA is ATEX Approved Zone 20 and 21. The complete level indication system consists of a corrosion proof housing which contains wire terminals, a relay, a timer and the Tilt "POD" which has a 20 ft long cable for connection to the housing. 🍀



FEATURES:

Supply: 120 vac, 240 vac, 24 vdc.
Tilt Angle: 15 degrees
Timer: 0 to 20 seconds (adjustable)
LED indication
Relay Contact output: SPDT



COMPANY SPOTLIGHT



Established in 1978, KDJ Sales and Service is a multi-generational owned corporation. KDJ specializes in design and installation of electrical and control systems for the grain industry. Its service area is located mainly in the midwest. Facilities that have been the recipient of KDJ's expertise run the gamut from small country elevators to river and rail terminals. KDJ's designs bring automation and controls from other industries and apply them to the grain industry. Things like simple load control,

operator touch panels, integrating control systems with computers are KDJ's specialties. Power management, or in other words, using electricity in its most cost effective way, is just another service the company can provide.

KDJ utilizes products from 4B for hazard monitoring, and for speed monitoring and control. This association has lasted for many years and will last for many more. -4



September 19-21
Kansas City, MO

Visit us at
4B BOOTH #509

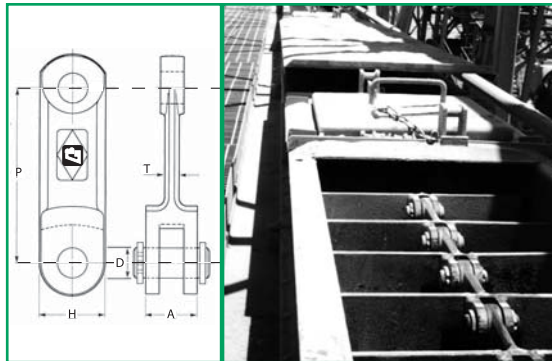
WOLSTY'S CORNER



WHAT CAN WE USE 4B CHAINS FOR?

4B forged chains can be used for almost any bulk material conveying applications. Steel flights of various designs welded to the links enable many varying material types to be conveyed.

We have various sizes in stock; 102, 142NA, 142HA & HAD, 216, 260mm pitch forged chain. These are supplied as case hardened. 4B also supplies round link and other fabricated chains.



CHAIN LINK

CHAIN CONVEYOR

Dave Wolstencroft, P.E.
Technical Manager

FREE

Engineering Design Service

Contact 4B for **FREE** engineering on chain conveyors and bucket elevators and/or Email your questions to me, directly, at dwolstencroft@go4b.com.

SPARKY'S SHOCKERS



Keith Bohnker
Electronic Sales

QUESTION:

I am the maintenance supervisor in a feed mill that produces meal and pelleted feed 24/7. My mill has had some costly unexpected downtime that was caused by original equipment that was not correct for application. I have surge hoppers above my pellet mills and have been using rotary level indicators to monitor low & high levels. Because of high vibration the rotary level

indicators do not last long. Is there a more reliable point level indicator for locations with high vibration?

ANSWER:

For monitoring point levels in surge



**AUTO-SET
REMOTE
LEVEL
INDICATOR**

hoppers and bins with high vibration (and/or high temperature situations) 4B Components offers the Auto-Set Remote. This point level indicator can be used for high, intermediate, or low-level detection of liquids, powders or free-flowing granular solids.

The DIN rail mounted remote control unit connects to the remote transducer, which is installed in a suitable enclosure mounted close (within 20") to the remote probe.

Two remote probes are available for different applications. The Polypropylene Remote Probe is used for high vibration and or medium heat applications and is rated to 248F/120C. The PEEK Remote Probe is used for higher temperature applications and is rated at 487F/250C. Both Remote Probes have "Power Shield" Build-Up Compensator.

The calibration and set-up is simple with membrane push button controls on the control unit.

For all your point level applications take a look at the Auto-Set RF Capacitance Probes. They allow for quick and simple installations, have no moving parts and will provide years of maintenance free operation. -4

The main advantage of forged chains over other types of chain is their durability. This is due to the fact that they don't stretch like other chains; they are abrasion resistant (high hardness level - 59RC with a good level of case depth). They also have a level of ductility in the core to eliminate chain brittleness.

The main industries that 4B chain have been used in are the agricultural, coal, cement, woodchips, ash handling, sugar, animal feeds, aggregates, gypsum etc. All these products have been used with conveyors at various length, angles, and high capacity applications, including high temperature.

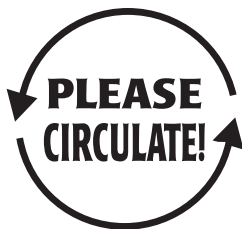
We can advise on the best design and chain selection for your particular application. -4

**4B ALSO MANUFACTURES WELDED
FLIGHTS, SPROCKETS AND TRAILERS.**

Send your questions through our website www.go4b.com or email Keith at kbohnker@go4b.com.



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THIS ISSUE OF "THE SCOOP" IS BROUGHT TO YOU BY...

Attention! Cement Facilities with Bucket Elevators

Maximize your return
on **investment**

Drive down costs – increase performance

FREE
Engineering Design Service

- 100% Capacity **Increase** for Bucket Elevators
- **Reduce** Component and Capital Costs
- Cost **Savings** of over 33%
- New SJ Bucket and Polysur Ferro **Steel Web Elevator Belt**



TECHNOLOGY · INNOVATION · QUALITY · VALUE

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