

Stromag LightXcross LX® Geared Cam Limit Switches



Stromag

Founded in 1932, Stromag has grown to become a globally recognized leader in the development and manufacture of innovative power transmission components for industrial drivetrain applications. Stromag engineers utilize the latest design technologies and materials to provide creative, energy-efficient solutions that meet their customer's most challenging requirements.

Stromag's extensive product range includes flexible couplings, disc brakes, limit switches, an array of hydraulically, pneumatically, and electrically actuated brakes, and a complete line of electric, hydraulic and pneumatic clutches.

Stromag engineered solutions improve drivetrain performance in a variety of key markets including energy, off-highway, metals, marine, transportation, printing, textiles, and material handling on applications such as wind turbines, conveyor systems, rolling mills, agriculture and construction machinery, municipal vehicles, forklifts, cranes, presses, deck winches, diesel engines, gensets and stage machinery.



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Altra Motion

Altra is a leading global designer and producer of a wide range of electromechanical power transmission and motion control components and systems. Providing the essential control of equipment speed, torque, positioning, and other functions, Altra products can be used in nearly any machine, process or application involving motion. From engine braking systems for heavy duty trucks to precision motors embedded in medical robots to brakes used on offshore wind turbines, Altra has been serving customers around the world for decades.

Altra's leading brands include **Ameridrives**, **Bauer** Gear Motor, **Bibby** Turboflex, **Boston** Gear, **Delevan**, **Delroyd** Worm Gear, **Formsprag** Clutch, **Guardian** Couplings, **Huco**, **Jacobs** Vehicle Systems, **Kilian**, **Kollmorgen**, **Lamiflex** Couplings, **Marland** Clutch, **Matrix**, **Nuttall** Gear, **Portescap**, **Stieber**, **Stromag**, **Svendborg** Brakes, **TB Wood's**, **Thomson**, **Twiflex**, **Warner** Electric and **Wichita** Clutch.

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Stromag Geared Cam Limit Switches

AT A GLANCE



STROMAG LIGHTXCROSS® LX

BENEFITS INCLUDE

- Position shown in display and by lever marking
- Without mechanical end stop
- Positive opening contacts

Series LightXcross LX® – Cross Lever Limit Switch

Revision number: 3.1.5.1-01

Revision date: 19.11.2019

Features

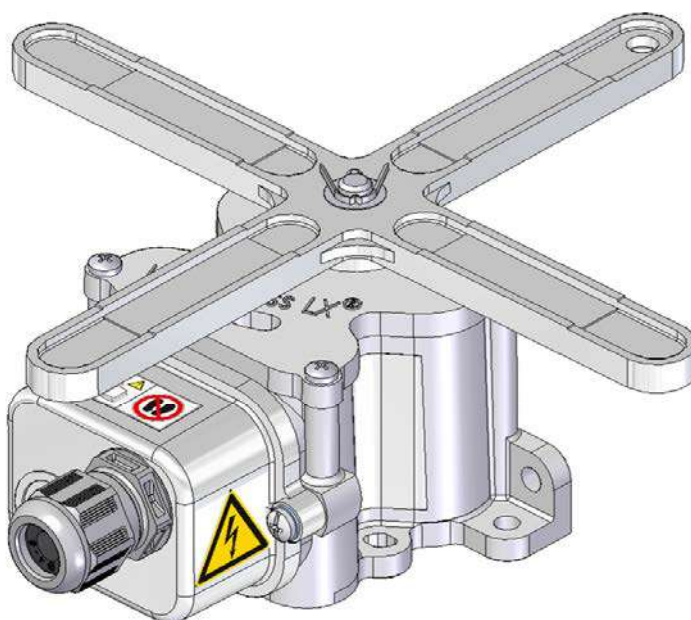
- Five positions, separate contact each for pre- and end stops in both directions
- Actuation via positive connections
- 4 Positive opening contacts

Application

- Cross and long travel for EOT cranes

Additional information

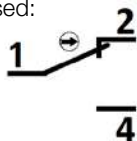
- Position shown on display and by lever marking
- Without mechanical end stop
- Silver contacts, gold plated optional



Contact	Intended purpose	Rotation direction
S1	Emergency stop	ccw
S2	Working stop	ccw
S3	Working stop	cw
S4	Emergency stop	cw

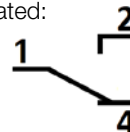
Contact released:

1-2 closed



Contact actuated:

1-2 opened



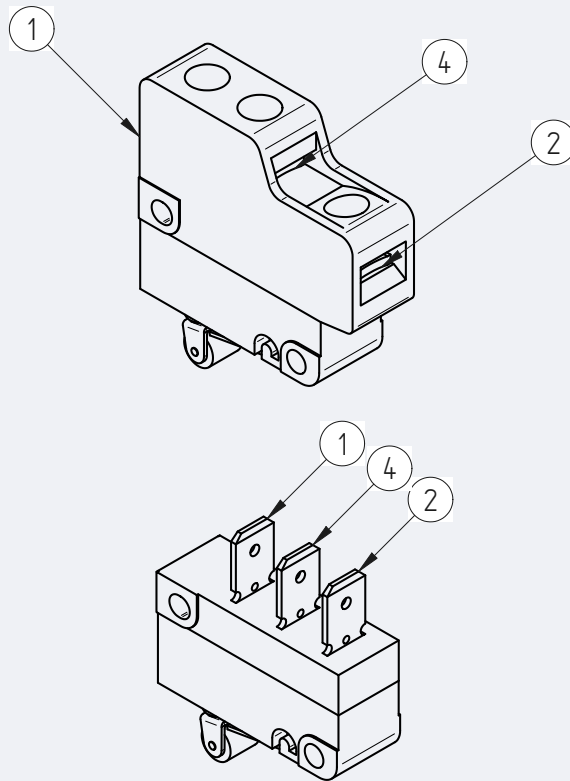
Switch setting / position (rotation direction)					
Contact	1. / +180° (ccw)	2. / +90° (ccw)	3. / 0° (Neutral)	4. / -90° (cw)	5. / -180° (cw)
S1	1-2 opened	1-2 closed			
S2	1-2 opened		1-2 closed		
S3	1-2 closed			1-2 opened	
S4	1-2 closed				1-2 opened

Cross Lever Limit Switch

Series LightXcross LX® – Available Switches

Revision number: 3.1.5.2-01

Revision date: 19.11.2019



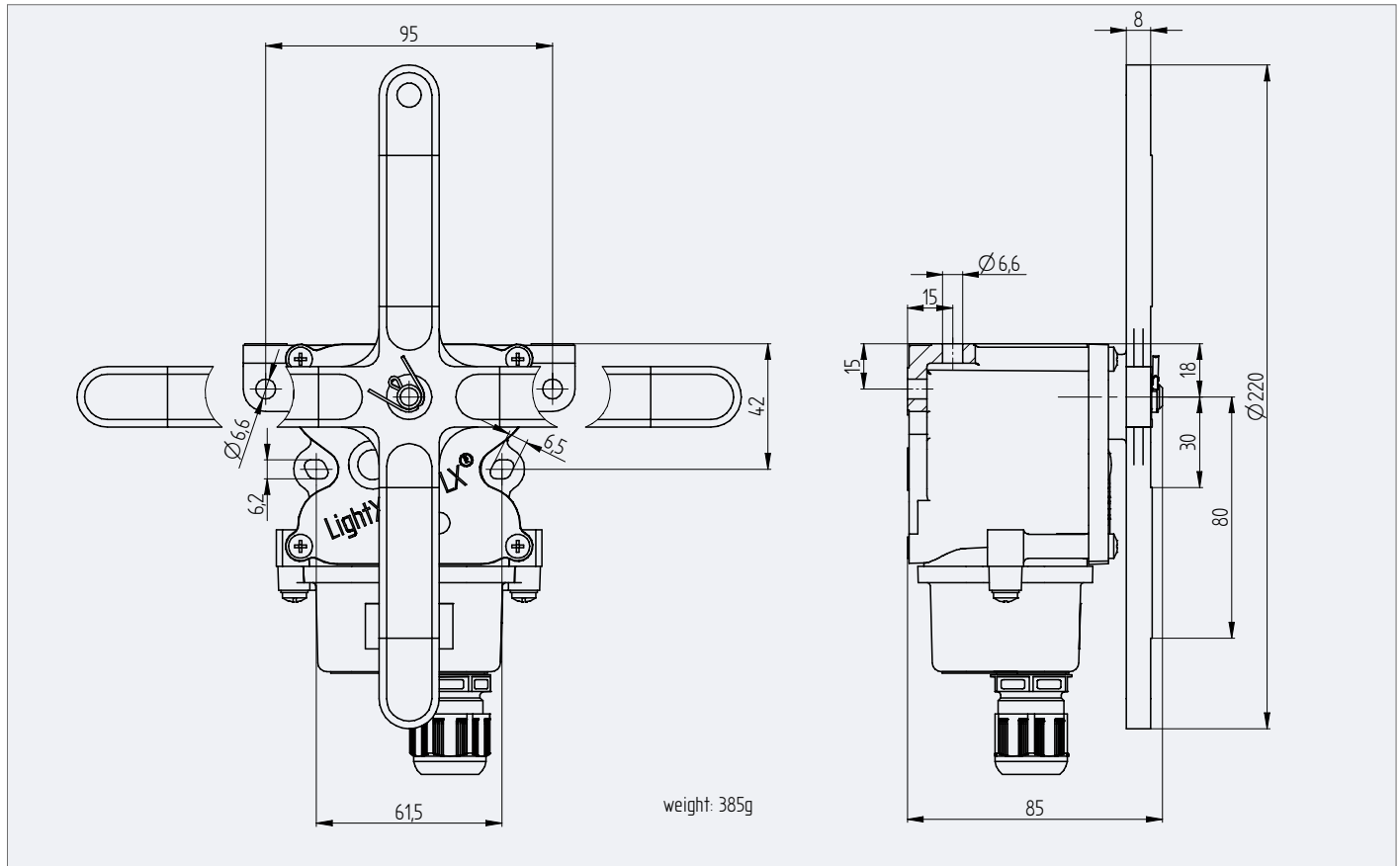
Circuit diagram	Type of contact
	99 99C 99G 99P
	99A 99T

Switching contact			Contact material		Switching system		Connection		Functionality		Electrical data		
Designation	Circuit as a changeover	Circuit as an NC contact	Silver	Gold (PLC-Application)	Snap action switch	Push action switch	Screw terminals; 0,5 - 1,5 mm²/ AWG 22 ... 16	Flat plugs 6.3 mm	Positive opening acc. to EN 60947-5-1 Annex K	Short circuit protection	Utilization category acc. to IEC 60947	Conventional thermal current I _{th}	Rated Insulation Voltage U _i
99	•		•		•		•		•	10A gG	AC-15: 230V, 1,5A DC-13: 60V, 0,5A oder 24V, 2,0A	10A	250V
99G	•			•	•		•		•	2A gR	AC-15: 230V, 1,5A DC-13: 60V, 0,5A oder 24V, 2,0A	10A	250V
99P	•		•		•			•	•	10A gG	AC-15: 230V, 1,5A DC-13: 60V, 0,5A oder 24V, 2,0A	10A	250V
99T		•	•			•	•		•	10A gG	AC-15: 230V, 1,5A DC-13: 60V, 0,5A oder 24V, 2,0A	10A	250V
99A		•		•		•	•		•	2A gR	AC-15: 230V, 1,5A DC-13: 60V, 0,5A oder 24V, 2,0A	10A	250V

Series LightXcross LX® – Dimensions

Revision number: 3.1.5.3-01

Revision date: 19.11.2019




Stromag Geared Cam Limit Switches

Cross Lever Limit Switch

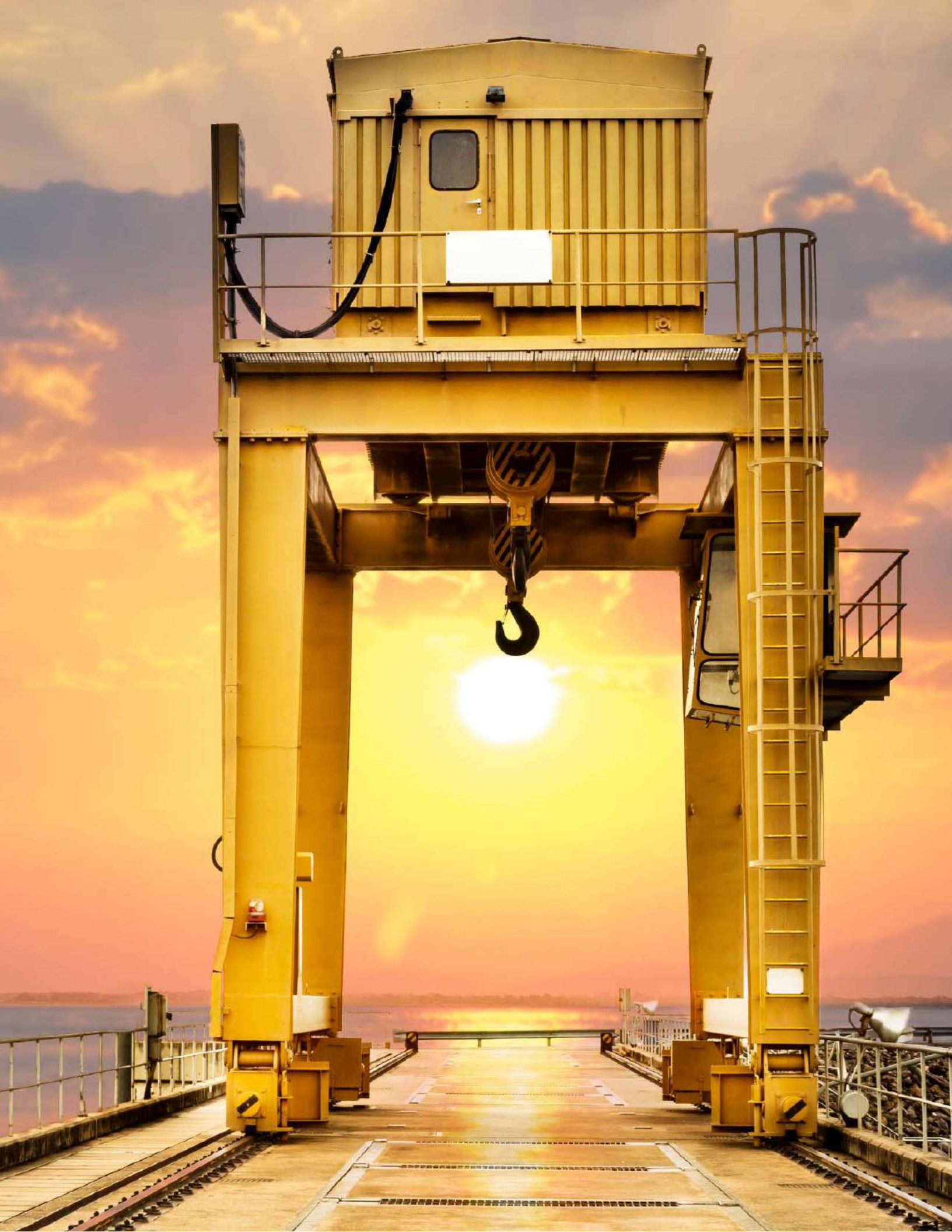
Series LightXcross LX® – Key of Types

Revision number: 3.1.5.4-01

Revision date: 19.11.2019

Stromag GmbH Hansastr. 120, 59425 Unna Tel.+49(0)2303102-0 Made in Germany		
Kreuzhebelendschalter Typ 1.25_LX_499 Auftr.Nr. _____ Nr. _____ Ref-Nr: _____		
IP		
Baujahr /		

Series LX			
1.25	nominal revolutions	1.25	5 positions at 90°, fully turn around
LX	Switch type	LX	Cross lever switch LightXcross LX®
4	Number of contacts fitted	4	
99	Type of switching contact	99	Contact (changeover) with screw connections, contact material: Silver ➡
		99G	Contact (changeover) with screw connections, contact material: Gold ➡
		99P	Contact (changeover) with flat plug connections, contact material: Silver ➡
		99T	Contact (push action) with screw connections, contact material: Silver ➡
		99A	Contact (push action) with screw connections, contact material: Gold ➡



Notes

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Premier Industrial Company Leading Brands

OTHER PRODUCT SOLUTIONS FROM **ALTRA MOTION**

Our comprehensive product offerings include various types of clutches and brakes, overrunning clutches, engineered bearing assemblies, gearing and gear motors along with linear motion products, belted drives, couplings, limit switches, precision motors, drives & controls, miniature motors and engine braking systems. With thousands of product solutions available, Altra provides true single source convenience while meeting specific customer requirements. Many major OEMs and end users prefer Altra products as their No. 1 choice for performance and reliability.

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Inertia Dynamics
Matrix
Stromag
Warner Electric



Precision Motors & Automation

Kollmorgen



Heavy Duty Clutches & Brakes

Industrial Clutch
Stromag
Svendborg Brakes
Twiflex
Wichita Clutch



Miniature Motors

Portescap



Overrunning Clutches

Formsprag Clutch
Marland Clutch
Stieber



Linear Systems

Thomson



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Bibby Turboflex
Guardian Couplings
Huco
Lamiflex Couplings
Stromag
TB Wood's



Engine Braking Systems

Jacobs Vehicle Systems



Gear Drives & Gear Motors

Bauer Gear Motor
Boston Gear
Delroyd Worm Gear
Nuttall Gear



Specialty Components

Kilian
Stromag
TB Wood's

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Caliper & Drum Brakes, Discs, Geared
Cam Limit Switches, Wind Brakes*

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Wind Brakes

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Wichita Clutch
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