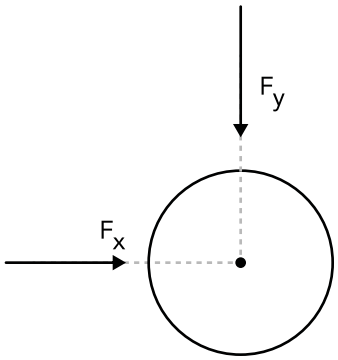
ANYLOAD

2-AXIS LOAD PIN



Two directions. One Pin.

Simultaneous X and Y force measurement for cranes, marine, mining and heavy equipment.



Shown: 535TS2A PLUS, amplified version

1-100t
Rated capacity
2.2–220 Klb

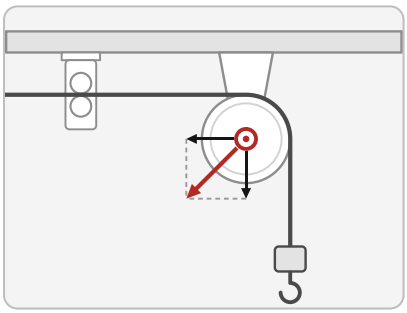
2-AXIS
Independent X and
Y outputs in one pin

400%
Breaking overload
150% safe overload

IP68
Standard sealing
IP69K optional

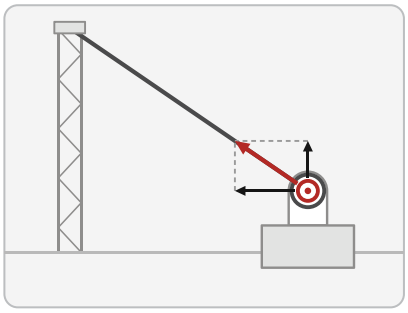
Applications

Each drawing shows where the load pin replaces standard pin. As the machine moves, the force on the a standard pin. As the machine moves, the force on the pin changes direction, and the 2-Axis Load Pin measures both components.

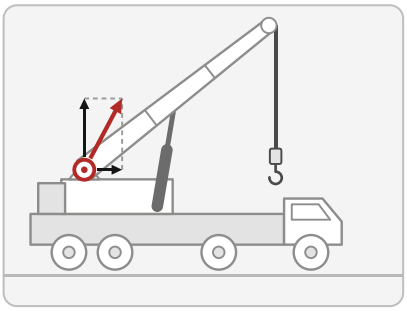


Crane sheaves and guide rollers
Sheave axle

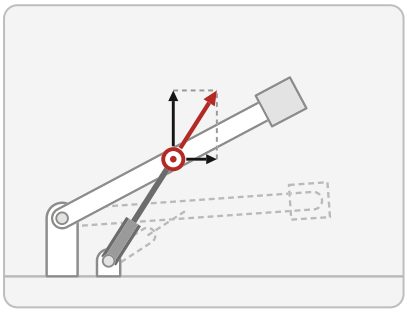
Load Pin and the force on it Its X and Y components



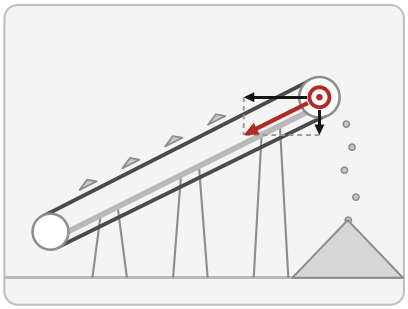
Wire rope and cable tension monitoring
Rope anchor



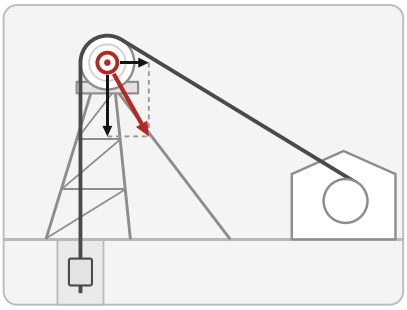
Mobile and offshore cranes
Boom foot



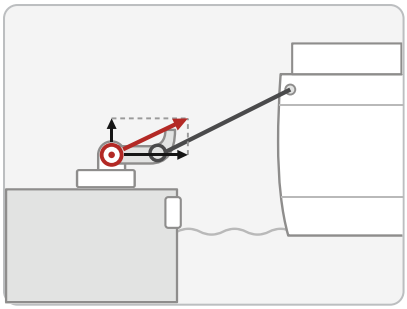
Hydraulic and pneumatic cylinders
Rod-end clevis



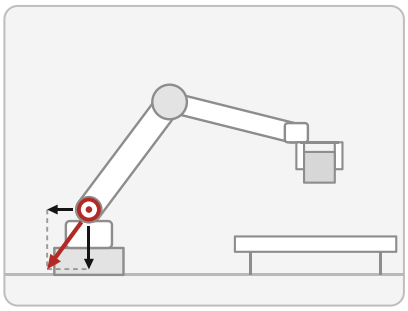
Material handling equipment
Conveyor head pulley



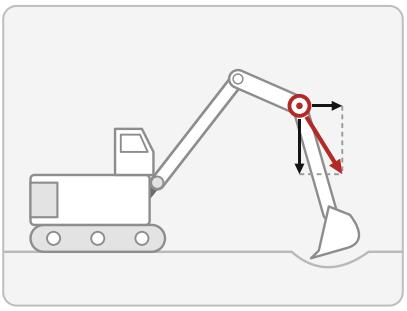
Mining machinery
Headframe sheave



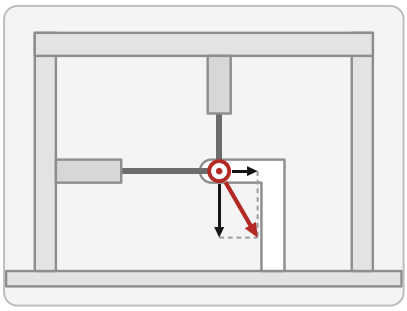
Marine and port equipment
Mooring hook pivot



Industrial automation systems
Robot elbow joint



Heavy machinery and construction equipment
Boom-to-stick joint



Research and testing systems
Actuator clevis

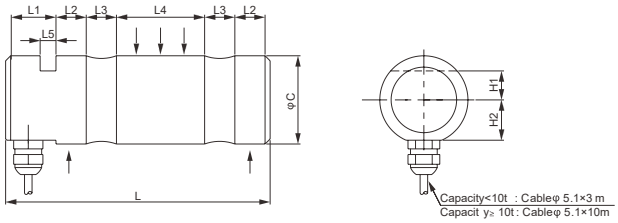
Base Options

See back page for customizable options.



535TS2A

Passive, dual mV/V outputs

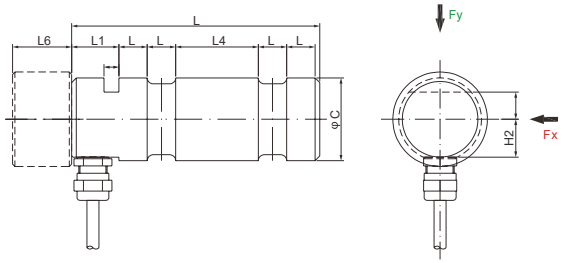


OUTPUT	1.0 mV/V per axis
CAPACITIES	2, 5, 10, 20, 40, 70, 100t
APPROVALS	CE ATEX FM IECEx RoHS



535TS2A PLUS

Amplified, built-in signal conditioning



OUTPUT	4-20mA, 0-10 V, CANopen or CANJ1939 0-5 v, RS-232 or RS-485 on request
CAPACITIES	1, 2, 5, 10, 20, 40, 70, 100t
APPROVALS	CE RoHS

Key Features

Improved System Efficiency

Reduce installation complexity by replacing multiple sensors with a single integrated sensing solution.

Custom-Engineered Design

Available in custom dimensions, capacities, mounting configurations and output options to fit existing equipment and OEM applications.

High Reliability and Durability

Designed for continuous operation in harsh environments, with excellent resistance to shock, vibration, temperature variations and electromagnetic interference.

Accurate and Stable Performance

Factory-calibrated to the actual installation condition for maximum measurement accuracy and long-term stability.

Built to fit your equipment

Custom Configuration Options

Dimensions and Mounting

Custom dimensions and mounting configurations to fit existing equipment and OEM designs.

Capacity

Custom load ranges to match your working load.

Outputs and Cable

mV/V, 4-20mA, 0-10 V, 0-5 V, CANopen, CAN J1939, RS-232 or RS-485 with any cable length.

Materials

2Cr13 stainless steel as standard
17-4PH stainless or alloy steel

Environment

IP69K protection and high-temperature ratings up to 200 °C.

Hazardous Areas

ATEX, IECEx and FM approved versions.

Start with your drawing

Send us a drawing of the load pin you need to replace or complete the Custom Load Pin Worksheet. Our engineering team will review your submission and get back to you promptly.

anyload.com/custom-solutions

Scan for custom load pin worksheet.

PN-261101-01

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Specifications subject to change without notice.