

**JOKAB SAFETY****"SAFETY... OUR INDUSTRY!"**

Welcome to the JOKAB SAFETY North America Newsletter.

JSTD1 Safeball™ A Unique New Category 4 Two-Hand Control Device

Safeball is a completely new approach to the design of one and two-hand safety devices. Safeball consists of a spherical ball containing two embedded push button switches, one on each side of the ball. By using this push button configuration, the risk of unintentional activation is minimized and the device is simple and ergonomic to use.

In the case where two-hand control is used, both Safeballs i.e. all four push buttons have to be activated within 0.5 seconds. If one or more push buttons are released a Stop signal is given to the machine. In order to provide the highest level of safety the Safeball design provides the operator with a dual switching function and short circuit supervision in each hand. The design allows for comfort of use for all hand sizes and operation from numerous gripping positions.

When can a two-hand or one-hand control be used?

A two-hand control is used when it is necessary to ensure that the operator must be prevented from reaching into the hazardous area. If the operator decides, after the start signal has been given to the machine, to make an 'after grasp' into the machine, then a dual stop signal is given to the machine.

A one-hand control device can be used when the operator cannot reach the hazardous area with his/her free hand or on less dangerous machines.

Highest Safety Level

The Safeball is certified by DNV (Inspecta) in Sweden for use as a two-hand control device, when used with a [JSBR4 Jokab Safety Relay](#), [Vital controller](#) or [Pluto Safety PLC](#), in accordance with the highest safety level in standard EN 574 (type IIIc) and EN 954-1/ISO 13849-1 (safety category 4).

JSTD25 Two-Hand Control Station with Safeball

With a JSTD25 you have a prepared two-hand station that is easy to install, while utilizing the good ergonomics of the Safeball. there are several variants to meet differing needs. All versions meet EN 574, EN954-1 and EN13849-1 and are supplied with the internal connections made to simplify installation.

JSTD25A/B/D/E for Fixed Installation

JSTD25A, B, D and E are supplied with two Safeballs mounted on steel housing and replaces a traditional two-hand device. It is available with an emergency stop button and ball joint fixtures for the Safeballs.

Three 22mm openings are prepared on the top for buttons or signal lamps. A hatch is supplied for wire routing in the base and securing holes for mounting on the rear. The Safeballs are connected to terminal blocks for the user to connect the external wiring through one of the two inlet alternatives (underneath or at the rear).



JSTD25A Two-Hand Control Unit with 2 Safeballs



JSTD25B Two-Hand Control Unit with 2 Safeballs and Emergency Stop Button

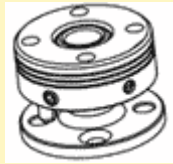


JSTD25D Two-Hand Control Unit with two Safeballs mounted with two JSM C5 Ball and Socket Table Mounts

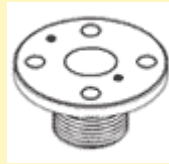


JSTD25E Two-Hand Control Unit mounted with two JSM C5 Ball and Socket Table Mounted Safeballs and Emergency Stop Button

JSTD25A/B/D/E Accessories



JSM C5 Angled Ball Joint for installation of a Safeball on a table or a steel housing. Included on JSTD25D and JSTD25E (see above).



JSNA-SB Adapter for mounting Safeball in any opening designed to hold standard 22 mm or 30 mm devices.

JSTS31 Stand with spacer ring for JSTD25A-E

JSTS30 Stand without spacer Ring for JSTD25A-E

Adjustable Height 850-1100 mm



JSTD25F/G for Mobile Installation

JSTD25F is supplied with two Safeballs mounted on the ends of an aluminum profile, shielded by over hand guards and replaces a traditional two-hand device. It is installed with the aid of grooves in the aluminum profile. It is connected to an M12 connector underneath.

The JSTD25F can be equipped with an external Smile Emergency Stop and an Eden Sensor for position control. Its low weight makes this particularly suitable for frequent repositioning.



JSTD25F Two-Hand Control Unit with 2 Safeballs is suitable for frequent repositioning.

JSTD25G is similar to JSTD25F except the dimensions, additional equipment and type of connection can, to a large extent, be customized before delivery. It can also be equipped with doubled protection plates for use in particularly severe conditions.



JSTD25G Two-Hand Control Unit with 2 Safeballs can be customized for your particular application.

JSTD25P-1 for Mobile Installation with a Built-In Eden Sensor

JSTD25P-1 is supplied with two Safeballs mounted on the ends of an aluminum profile, shielded by over hand guards and is portable. It includes a built-in Eden Sensor for position control.

The JSTD25P-1 was developed as a portable two-hand device where the response of the machine to operation can vary at different operating stations - since each station can be connected separately. Connection is made via an 8+1 Zylin connector. Accessories include a connector, spiral cable with connector and universal suspension shelf.



JSTD25P-1 Accessories



Universal Suspension Shelf



JSTK40S 4 m long Spiral Cable with Connector

JSTK80S 8 m long Spiral Cable with Connector

Jokab Machine Guarding Systems have proven their **Vision, Versatility, and Value** for over two decades with systems - designed and manufactured by us - that continue to protect workers as well as manufacturer's bottom line. This is how we've created a new industry - we call it "**SAVETY. . . Our Industry**". Your company will call it the right solution - when jobs, products, profitability, and lives are on the line.

Vision . . . "we provide a perspective on future needs that others can't."

Versatility . . . "evolving workplace hazards are our constant focus."

Value . . . "the correct choice will help keep you competitive for years."

JOKAB has provided solutions to thousands of companies that have enhanced production, increased safety levels and reduced overall costs!

With "**SAVETY. . . Our Industry**," we remain in an industry of our own by recognizing that each different application will influence the way manufacturers will meet their safety needs in the future.