

Press release

Handling spools with ease

Large, heavy-duty internal diameter gripper for robotic EOAT

Hingham, MA – Spools (or reels or coils) of wire, cables, and cords constitute a special category of loads that need to be lifted and handled. The spools are often heavy, plus the cylindrical shape and the need to rotate when in use creates unique requirements. Forklifts are often used for handling, especially for larger spools. Problems involve not enough space for any type of lift and smaller spools that could be physically lifted but, causing ergonomic issues involving back strain and other injuries.

Piab's solution handles large cylindrical products in a safe way without damaging the material on the spool, which is the risk when using traditional clamping EOATs. Piab's Heavy-Duty Inside Diameter (HD ID Gripper) allows picking and placing the spool vertically or horizontally.

Ideal for any robot, this large ID gripping EOAT is ideal for heavy lifting due to its robust linkage and needle roller bearing design. The gripping pads can have a sandpaper-like coating applied to further increase its grip strength.

The lifting capacity of the gripper is up to 200 kg [440 lb] with inside diameter capacity of spools ranging from 150mm [6.0 in] and up.

Other products to be handled include barrels, large gears, pipe and machined parts.

About Piab

Piab provides smart solutions for the automated world, helping thousands of end users and machine producers in e-commerce logistics, food, pharma, automotive and other manufacturing industries to improve energy-efficiency, productivity and working environments. With almost 500 employees and SEK 1.2 bn in sales 2018, Piab is a global organization, serving customers in almost 70 countries from a network of subsidiaries and distributors. By leveraging the ongoing technological development in automation and robotics, and targeting high-growth segments and geographies, Piab's vision is to become the global leader in gripping and moving solutions.

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