

Dry-type condenser bushings

O Plus Dry™ bushings

Every year more than one million American workers suffer work-related back injuries. Of those, 75% happen while improperly or unnecessarily lifting a heavy object*.

In our industry, many of the risks from lifting are mitigated by using cranes. However, when installing components like bushings, personnel often need to guide these items into place by hand. Though the force required to guide a bushing into place is less when assisted by a crane, employees are commonly working away from the ground and stretching or bending to get a bushing installed at the proper angle. With the weight of a typical oil-filled bushing ranging from 40 to 900 pounds, this sometimes results in back strain or injury. The cost of a single injury can be thousands of dollars, not to mention the resulting absence of a key resource. The worry of how to protect employees from such circumstances is a constant concern for safety-minded managers and supervisors.

The safer choice

What if there were a better solution? Imagine a bushing that meets all your performance needs but was also developed with your work force in mind.

On average, ABB's O Plus Dry™ bushings are 48% lighter than typical oil-filled bushings helping to minimize the risk of a lifting injury. Choosing O Plus Dry bushings is a maximized win: better bushings for your transformers and safer bushings for your people.



	25 kV	34.5 kV	69 kV	115 kV	138 kV
Typical oil-filled bushing weight (lbs)	103	117	177	365	370
Typical O Plus Dry bushing weight (lbs)	49	60	96	219	266

*U.S. Department of Labor Fact Sheet number OSHA 89-09

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