

Bohumil SKALA
Vaclav KUS

THE LOADING TEST OF A MOTOR FOR EASY-MOVER

ABSTRACT *The machine – called “EasyMover”, saves the drudgery, especially in companies producing heavy rollable things. The typical roll of paper weighs 5 tons, the reel of a cable up to 15 tons. To move such an object in the storage room or distribution shed using manpower is drudgery, being dangerous as well. Due to this fact, the workers use a simple mechanical device powered by compressed air to move heavy reels. However, the air pressure hose is the main disadvantage of this solution: The free movement is restricted. Our task is to develop the same device (EasyMover), powered by an electrical motor and supplied by accumulators.*

Keywords: *mover, rollable objects, rolls, reels, electrical motor, accumulators.*