

STRATOS ROPE EXAMINATION IN THE CZECH REPUBLIC CONDITIONS

Pavel Nevrkla, Radomir Klvac

Faculty of Forestry and Wood Technology, MUAF Brno,
Zemedelska 3,
613 00 Brno, Czech Republic
e-mail: nevrkla@mendelu.cz

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Abstract: *Operational examination of Stratos rope has been carried out at the Training Forest Enterprise Masarykuv les Krtiny during one year in the standard conditions. As a power unit has been used farm tractor Zetor Proxima equipped with double drum winch. First drum was equipped with Stratos rope, second with steel rope. During the field operational examination have been assessed rope wearing, operation efficiency and durability. During the installation have been measured tension resistances too. The examination resulted in the advantages and disadvantages determination for both types of rope i.e. synthetic and steel rope, respectively. For synthetic rope usage have been determined suitable types of tractor winches and/or necessary adjustments. Shortly have been tested also synthetic tailor-made ropes from Lanex company. The main conclusions from above mentioned test are presented in this study.*