

Temat: Equipment for assembly works. Sprzęt do prac montażowych.

Cele lekcji:

1. Uczeń zna nazwy narzędzi potrzebnych do prac montażowych.
2. Uczeń potrafi wskazać nazwę narzędzi potrzebnych do konkretnych prac.

1) Welcome to the English class.

Moi drodzy. Na dzisiejszych zajęciach poznacie nazwy narzędzi potrzebnych w pracach montażowych.

2) Na początek zapoznajcie się z krótkim tekstem, w którym znajdziecie interesujące nas dzisiaj słownictwo.

Sheaves, multi-sheaves, steel ropes and winches are the lifting elements of cranes and gantries; they are also used as ancillary equipment for assembly works. Ropes have circular cross-section. They are made of steel wire with the diameter of 0.5-2.0 mm. Ropes have to be lubricated so as not to corrode and to decrease friction between the wires.

Sheaves are used for changing the direction of the ropes or as the simplest self-reliant equipment for vertical transport.

A block consists of one or a few sheaves fixed in a framework equipped with a hook for fixing the sheave to the structure.

Multi-sheaves are used to reduce the force– the more sheaves in the sheave, the smaller force must be applied to lift the load.

Winches are used for horizontal, vertical and diagonal displacement of the elements of a structure. Winches usually have an electric drive.

To hang the elements of a structure on a hook of construction machinery, we use rope slings. To assemble large-size elements, beam slings are used.

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3) Opiszmy nowe słownictwo:

sheave /ʃiv/ [noun, countable] krążek, zblocze

steel wire rope /sti:l wɑɪər rəʊp/ [noun, uncountable] lina stalowa,

winch /wɪntʃ/ [noun, countable] wciągarka,

gantry /gæn.tri/ [noun, countable] suwnica,

beam sling /bi:m slɪŋ/ [noun, countable] zawiesie belkowe

multi sheave /mʌl.ti ʃiv/ [noun, countable] wielokrążek

rope sling /rəʊp slɪŋ/ [noun, countable] zawiesie linowe

hook /hʊk/ **hak**

crane /kreɪn/ dźwig, żuraw

4) Uzupełnijcie luki w zdaniach wyrazem z nawiasu w języku angielskim.

1. Sheaves, multi sheaves, steel ropes and winches are the lifting elements of _____. (żurawie i suwnice)
2. _____ is made of steel wire with the diameter of 0.5-2.0 mm.
(lina stalowa)
3. A _____ is used for changing the direction of a rope. (krążek)
4. A _____ consists of one or a few sheaves fixed in a framework.
(zblocze)
5. The more sheaves in the sheave, the smaller _____ must be applied to lift the load. (siła)
6. _____ usually have an electric drive. (wciągarki)
7. To hang the elements of a structure on a _____ of construction machinery, we use rope slings. (hak)
8. To assemble large-size elements _____ are used. (zawiesia blokowe)

Have a nice weekend!

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