

HIGH STRENGTH CHAIN CUTTING MACHINE ALAN 42.23

Use and description:

High strength chain cutting machine **ALAN 42.23** (hereinafter only cutting machine) is used for cutting high strength chains with max. chain link diameter up to 42 mm and max. strength of the chain to be cut 1 300 MPa. Water emulsion or hydraulic oil is the working medium.

The cutting machine is not possible to use as a single unit but only with a source of working liquid with own control, e.g. with hand operated hydraulic aggregate type ARH 75 (product of the KOEXPRO OSTRAVA, a.s. company) with oil as a working medium or with a pressure intensifier connected to the central distribution system of the emulsion underground, e.g. type MH 1 N (product of the KOEXPRO OSTRAVA, a.s. company).



ALAN 42.23

Characteristics:

Type		ALAN 42.23
Max. operation pressure in cutting machine cylinder	MPa	80
Nominal(operation) pressure of the working liquid	MPa	75
Max. cutting force	kN	1 400
Nominal cutting force at operation overpressure of 75 MPa	kN	1 300
Max. \varnothing of chain link to be cut	mm	42
Max. strength of material of chain link to be cut	MPa	1 300
Working liquid according to the source used	emulsion HFA with min. 3% concentration or hydraulic liquid having a viscosity of $46 \text{ mm}^2 \cdot \text{s}^{-1}$ at 40°C	
Filtration of the working liquid	μm	50
Hose connections		2xG3/8"
Function of the rectilinear hydraulic motor		double - acting
Dimensions (w x l x h)	mm	332x362x322
Weight	kg	59.0

Type marking:

ALAN 42.23
 ALAN product designation
 42 max. \varnothing of the chain link to be cut in mm
 23 type marking

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC of the European Parliament and the Council and meets the requirements for using in areas "dangerous atmospheric conditions 2" according to EN 1127-2+A1 on condition that all national regulations are fulfilled by the employer.

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