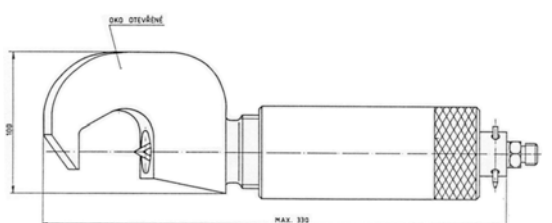


## NUT CUTTING MACHINE SMH 30

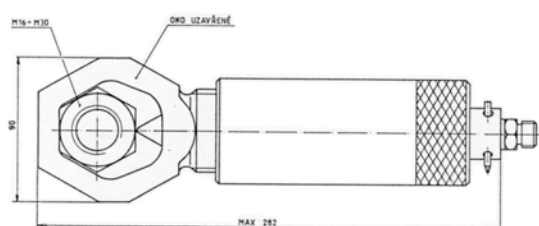
### Use and description:

Nut cutting machine **SMH 30** (hereinafter only cutting machine) has been designed and constructed for radial cutting of damaged or rusted nut of screw connections, which are not possible to be dismantled in other way. Together with special adapters it is used even for cutting nuts of scraper conveyor chains and nuts connecting the rails on railways. The cutting machine is acting so, that substantial damage of a bolt would not occur.

The cutting machine consists of a body with eye (closed or opened), of single acting hydraulic cylinder, piston with piston rod and exchangeable cutting edge. Hand operated hydraulic aggregates with necessary characteristics (e.g. ARH 75 – product of KOEXPRO OSTRAVA, a.s. company) are sources of pressure medium. These aggregates are connected with the cutting machine through high pressure hose.



OPENED EYE



CLOSED EYE



SMH 30

### Characteristics:

Type – adapter		Closed eye	Opened eye	Nuts of scrap conveyor chains	Nuts for rail connect. (OK 38)
Dimension of nuts to be cut	mm	M 16 – M 30	M 27 – M 30	M 24	M 27
Max. operation pressure	MPa	75	75	75	75
Hose connection	mm	DN 8 STECK; M 16 x 1.50 – reducers with screw connection			
Working liquid		hydraulic liquid having a viscosity of $46 \text{ mm}^2 \cdot \text{s}^{-1}$ at $40^\circ\text{C}$			
Filtration of working liquid	$\mu\text{m}$	25	25	25	25
Weight	kg	4.9	6.0	5.6	5.1

Type marking:

**SMH 30**  
 SMH HYDRAULIC CUTTING MACHINE  
 30 max. dimension of a nut to be cut

The product has been designed and constructed as the equipment group I (mine), category M2 and equipment group II (mine surface installations), category 2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas “dangerous atmospheric conditions 2” according to EN 1127-2+A1 and “zone 1” according to EN 1127-1 on condition that all national regulations of the employer are fulfilled.

U Cementárny 1303/16  
 703 00 Ostrava – Vítkovice, Czech Republic  
[http:// www.koexpro.cz](http://www.koexpro.cz); [www.koexpro.eu](http://www.koexpro.eu)

phone: +420 595 782 251, +420 595 782 250  
 fax: +420 596 633 923, +420 595 782 249  
 e-mail: [koexpro@koexpro.cz](mailto:koexpro@koexpro.cz)