

## WIRE ANCHOR CUTTING MACHINES SDS 1 a SDS 2

### Use and description

Wire anchor cutting machines **SDS 1 a SDS 2** (hereinafter only cutting machines) are intended for radial cutting of wire anchors which are not possible to be dismantled in other way. With the cutting machine **SDS 1** it is possible to cut anchors consisting of 8 wires with diameter 6 mm, strength class up to 1600 MPa, eventually for cutting of other wire anchors with the same summary wire cross-section and strength class. With the cutting machine **SDS 2** the wire anchors is possible to cut consisting of 8 wires with diameter 8 mm, strength class up to 1600 MPa, eventually for cutting of other wire anchors with the same summary wire cross-section and strength class. The cutting machines work so that no substantial of the material to be cut occurs.

The cutting machine consists of the hydraulic cylinder with yoke representing the equipment principal contour, further of the piston, which, together with the cutting edge and the spring, are the functional movement part of it. The backward motion of the piston and the cutting edge after closing the pressure oil feeding is through the spring. The groove and a bolt prevent the cutting edge rotation. As a accessory to the cutting machine, it is possible to order the hand hydraulic aggregate GL2 P/Q (including hose, coupling, manometer etc.).



SDS 1



SDS 2



### Characteristics:

Type		SDS 1	SDS 2
Cutting force at pressure 70 MPa	kN	197	270
Operation pressure	MPa	70	70
Max. pressure	MPa	75	75
Working medium		hydraulic liquid having a viscosity of 32 mm <sup>2</sup> .s <sup>-1</sup> at 40°C	
Filtration	µm	30	
Hose connection ID and type		M16 x 1,5, DN 6	
Dimensions w x h x l	mm	214x238x340	115x185x344,5
Weight	kg	13.44	17.6

Type marking: **SDS 1**  
SDS WIRE ANCHOR CUTTING MACHINE  
1 type marking

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC-ATEX 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 on condition that all national regulations of the employer are fulfilled.