

**MINING**

**W-strap**

**TYPE SP-220, SP-270, SP-320, SPs, SPo, SPp**

*Certificate of Conformity issued by "INOVA" Technical Innovation Center Ltd.  
No.81/4/2017*

**DESCRIPTION**

SP-220, SP-270, and SP-320 W-straps have a similar design. They differ only in terms of steel sheet thickness and section width. There are deformations for added strength and appropriately spaced holes along the straps (round or oval as requested). It is possible to connect two or more mats cross wisely or length wisely.

In terms of a range of application and production method the mats can be divided into the following types:

- W – strap type SPs
- W – strap type SPo
- W – strap type SPp

An attachment unit can be used for suspending elements of mining equipment, e.g. cables, pipes, etc.

The maximum load capacity is 2.5 kN.

**APPLICATION AND USE**

W-straps type SP are used for crosswise and lengthwise support of roofs and ribs in mine working areas. They are suitable to be used with expansion, resin, cable and tubular friction anchors.

**ADVANTAGES**

- Effective reinforcement of the mining pit
- Designed for cooperation with anchor plates
- Various dimensions and strengths available



*Top left: SP-220, SP-270, SP-320 and SPs, SPo  
Top right: SPp*

**TECHNICAL DATA**

W- strap type	SP-220	SP-270	SP-320	SPs	SPo	SPp
Working width	220 mm	270 mm	320 mm	275 mm		
Overall width	270 mm	320 mm	370 mm	275 mm		
Sheet thickness	2; 2.5; 3 mm	2 2.5; 3 mm	2; 2.5; 3 mm	2 mm	1 mm	2 mm
Hole distance	500, 800 mm (or according to customer's specification)			350, 500, 800 mm (or according to customer's specification)		-
Hole diameter	ø45 lub 45/80 mm			ø45 lub ø75 mm		
Length	1000 ÷ 7000			1000 ÷ 7000		305

**PACKAGING AND TRANSPORTATION**

W- straps packed and sent in packages of 10-20 items.

**APPROVALS AND CERTIFICATES**

- SP-220, SP-270, SP-320, SPs, SPo, SPp W - straps have Certificate of Conformity No.81/4/2017 issued by "INOVA" Technical Innovation Center Ltd. in Lubin.

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