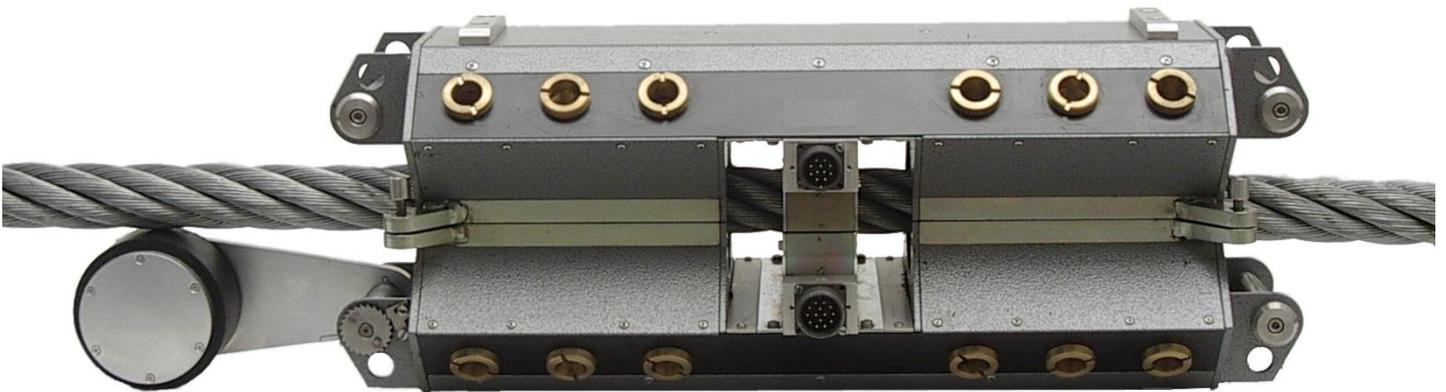


# ***Wire Rope Inspection Equipment***

***GP-1h.105 Test Head***  
***GP-1h. 90 Test Head***  
***GP-2Sh.64 Test Head***



GP-1h.90

**[Zawada](#) NDT**



The **GP-1/2-series** test/measuring heads are sources of measurement signals at magnetic inspection of the steel wire ropes of various sizes. Head guides can be adjusted to requested diameter within head range without additional equipment. Included reducing insert is provided to increase sensitivity within lower sub-range, below specified diameter. Recorded head signals indicate rope defects of stepwise changes of the cross-section nature (wire breaks, pitting corrosion, etc.) and also distributed rope steel cross-section reduction (corrosion, wear). The analysis of the head generated signals makes possible determining the rope cross-section reduction rate as well as the length and depth of the defected section of the rope.

### Specifications

The test heads meet requirements of European standard EN 12927-8  
 Sensor channels: 3 total, two LF/LD and one LMA  
 Rope length/speed transducer: included, RIZ type roller (2\*100 pulses/m)

**GP-1h.105    GP-1h.90    GP-2Sh.64**

#### Size range of wire ropes

diameter	38 - 108 mm	30 - 90 mm	20 – 64 mm
with reducing insert	38 - 70 mm	30 - 50 mm	20 – 40 mm
without reducing insert	70 - 108 mm	50 - 90 mm	40 – 64 mm
cross sectional area of steel, up to:	6800 mm <sup>2</sup>	4700 mm <sup>2</sup>	2700 mm <sup>2</sup>

Diameter of the head hole without reducing insert (absolute max. diameter of rope):

118 mm    98 mm    75 mm

Overall dimensions (including roller):

27\*28\* 82 cm    25\*24\* 82 cm    21\* 24\* 79 cm

Weight of the head:

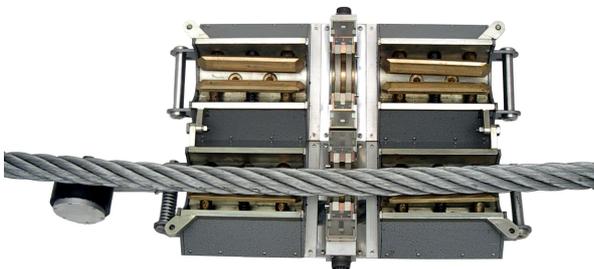
64 kg    60 kg    45 kg

Overall dimensions of container box:

two 19\*36\*81cm    31.5\*32.5\*81cm    31.5\*25.5\*79 cm

Gross Weight, together with the container:

76 kg    70 kg    54 kg



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