

HYDRAULIC RAIL BENDING MACHINE OKH Xa

Use and description:

Hydraulic rail bending machine **OKH Xa** (hereinafter only bending machine) is equipment for bending rails – profile Xa to shape with required radius, event. for bending other profiles given in a table. Bending operation is made through linear hydraulic motor fed fro hand driven hydraulic aggregate.

The bending machine consists of the single- acting linear hydraulic motor with return spring and replaceable rest, of a frame with hangers and of replaceable pulling yokes. A source of pressure liquid is connected to the equipment through only one screw connection DKS M 18x1.50.



OKH Xa

Characteristics:

Type		OKH Xa
Max. working pressure	MPa	50
Max. bending force	kN	318
Working cylinder stroke	mm	150
Volume of working liquid necessary for stroke	dm ³	1
Working liquid	hydraulic liquid having a viscosity of 46 mm ² .s ⁻¹ at 40°C	
Filtration	µm	25
Max. bending section modulus of profile from material with max. yield point Re ≈314 MPa	cm ³	32.70
Profiles to be bent		rails: Xa; 115/24; 93/18;
Profiles to be bent		profiles I a U with height up to 160
Dimensions (without yokes) l x w x h	mm	870 x 438 x 180
Weight (without yokes)	kg	59.0

Type marking: **OKH Xa**
 OKH HYDRAULIC RAIL BENDING MACHINE
 Xa max. profile of rail to be bent

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 o EN 1127-2+A1 and “zone 1” according to EN 1127-1 on condition that all national regulations of the employer are fulfilled.

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