

	<b>Fabryka Maszyn i Urządzeń „OMAG” Sp. z o.o.</b> Brzezinka ul. Górnicza 8 32-610 Oświęcim Poland		<b>MONO Type Transport Beam BT-6A</b>
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The Mono BT-6A Transport Beam is designed to be used to hoist, transport and lower loads with a maximum weight of 6 tonnes (60kN - 2x30kN) using transportation units in suspension rail systems in underground mine workings.

The transport beam can be powered with hydraulic oil from separate supply units or from built-in supply units in pull-push machines.



The design and materials used to make the transport beam allow it to be operated in non-methane and methane areas in workings classified as "a", "b" or "c" methane explosion hazard zones and in workings classified as class "A" or "B" coal dust explosion hazard zones. The BT-6 Transport Beam is classified as Group 1 Category M2 equipment according to the Decree of the Minister of Economy of 22 December 2005 on essential requirements for protective systems and equipment intended for use in potentially explosive atmospheres (Dz. U. /Journal of Laws/ No. 263 of 2005, pos. 2203) and also meets the requirements of the Decree of the Minister of Economy of 21 October 2008 on essential requirements for machinery (Dz. U. /Journal of Laws/ No. 199 of 2008, pos. 1228).

TYPE	Unit	BT- 6A
Marking	-	CE I M2 X
Maximum hoisting capacity	kN	60 (2x30)
Maximum pull-push force	kN	80
Hoisting speed	m/min	2.3
Hoist motor power	kW	1.8
Track rail profile	-	I 155 or I 140 E
Maximum track inclination	-	±30°
Maximum hoisting height	mm	5000
“Dead” height of hoist*	mm	555
Power supply medium	-	Hydraulic oil L-HL32 or L-HL46
Hydraulic oil flow rate	dm <sup>3</sup> /min	20
Maximum supply pressure	MPa	25
Hydraulic oil working pressure	MPa	10
Beam overall dimensions	mm	662 x 770 x 4110
Total weight	kg	780

\* distance from bottom of track to bottom of hook throat

The BT-6A Transport Beam is approved by the Polish State Mining Inspection (WUG) for use in underground mining operations.