



SYSTEM OF DEVICES

ANACONDA

FOR SUSPENDING AND SHIFTING
OF ELECTRIC AND AUXILIARY EQUIPMENT

System of devices ANACONDA is designed for shifting of various mining machines and equipment on suspended monorail track (e.g. SKP-110). Special application of the system allows to suspend and shift electric devices and equipment for powering longwall and roadheading systems. Universal design of the system allows to set up given elements in any configuration depending on customer's requirements.

Additional equipment to be applied with ANACONDA is hydraulic shifting set HZP-SIGMA 60. Hydraulic shifting set HZP-SIGMA 60 and HZP-STRONG 110 are designed to shift various types of devices (e.g. platforms, beams, containers, hoists, conveyors and others) on suspended monorail track. Devices' work can be either hydraulic or radio controlled.

These devices are adapted to work in methane and non-methane mines, excavations with degree of „a”, „b” and „c” of methane explosion hazard and excavations with class of „A” and „B” of coal dust explosion hazard. This device has been classified as Group I, category M2 due to its application in areas exposed to danger of explosion (according to directive 2014/34/UE).

ANACONDA

SYSTEM OF DEVICES FOR SUSPENDING AND SHIFTING OF ELECTRIC AND AUXILIARY EQUIPMENT

TECHNICAL CHARACTERISTICS

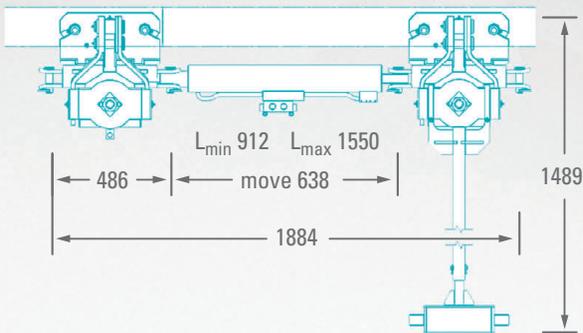
	TZN-15	TZN-40	TZN-60	TZN-60G	TZN-80	TZN-100	TZN-130	CARRYING TROLLEYS	
CARRYING CAPACITY [kN]	15	40	60	60	80	100	130	15; 25; 40	
CABLE HANGERS	around 10 different types		PULL-RODS max. 3 m length						

HZP-SIGMA • HZP-STRONG 110 kN

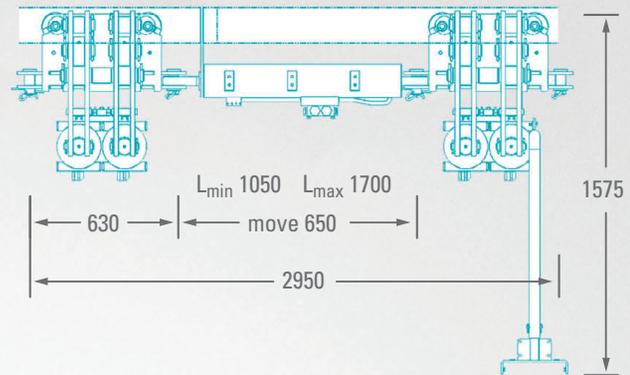
RAIL JOINTS STRENGTH

DIAGRAM

HZP-SIGMA



HZP-STRONG 110 kN



TECHNICAL CHARACTERISTICS

	HZP-SIGMA 60		HZP-STRONG 110 kN	
RAIL JOINTS STRENGTH [kN]	60		110	60
MAX. STRENGTH OF ACTUATOR [kN]	60		110	60
ACTUATOR	∅ 60 / ∅ 93 x 638		∅ 120 / ∅ 63 x 695	
WORKING PRESSURE				
PISTON ROD-SIDE AREA [MPa]	20		16	8
PISTON-SIDE AREA [MPa]	10		16	8
ADMISSIBLE EXCAVATION'S INCLINATION [°]	± 27		± 27	± 27

MAX. WEIGHT OF TRANSPORTED SET

FRICTION COEFFICIENT $\mu = 0.1$

RAILS REPRESENTING STRENGTH OF JOINTS BEING 60 kN

INCLINATION ANGLE [°]	5	7.5	10	12.5	15	17.5	20	22,5	25
WEIGHT OF SET [t]	32.12	26.12	22.05	19.10	16.88	15.15	13.76	12.63	11.69

RAILS REPRESENTING STRENGTH OF JOINTS BEING 110 kN

INCLINATION ANGLE [°]	5	7.5	10	12.5	15	17.5	20	22,5	25
WEIGHT OF SET [t]	58.12	47.89	40.42	35.02	30.95	27.72	25.22	23.15	21.43