



T Machinery a.s.

Suspension Stepping equipment

The suspension stepping equipment serves for a transfer mobile power station dedusting systems, auxiliary equipment etc. using the suspension railway. When splitting a mobile power station due to its weight and there is used a multiple suspension stepping equipment design. The equipment consists of a unit, hydraulic cylinder for the transfer, control panel and connecting elements.

After an exact specification of the machine parts, components and equipment that has to be transferred it is possible to design such a suspension stepping equipment that guarantees a safe transfer but with an optimum maximum possible operation economy target.



The transferred equipment weight (in tones) dependence on the pitch

Pitch	°	10	11	12	13	14	15	16	17	18
P1(P2)	t	18	16,5	15	13,5	12,1	11	10	9,7	9,5
P4	t	74,3	64,5	57	51,1	46,3	42,3	39	36,2	33,7

In case of the P2 and P4 suspension stepping equipment the transfer direction can be controlled by means of the spherical cock. In all designs it is possible to use the braking unit with the possible installation on the suspension railway without dismantling it

Basic technical parameters:

		Design P1(P2)	Design P4
Working liquid nominal pressure	MPa	32	32
Working liquid		Emulsion 3-5 % em.oil	
One step length	m	0,6 (0,8)	0,6 (0,8)
PHM transfer/shift	mm	63/40x600 (800)	80/60x600(800)
PHM braking	mm	63/40x50	63/40x50
Braking force of braking unit	N	83 500	83 500
Technology line type		ZD 24 A,B	ZD 24 A,B
Maximum longitudinal pitch	°	±18	±18

Flexible Cable Lines

The flexible cable lines serve for a safe way of laying the cables (particularly the HV cables) and producing their necessary reserve. It also makes possible to either shorten or prolong the length between the fixed cable suspensions and the mobile power station when transferring it, this **without the necessity to switch off the high voltage supply.**

This equipment consists of the holders that are in the carrying TD-4Z trucks cable erectors that guarantee the cable sagging above/ over mineral being transported in a safe distance.

The equipment described above is regularly used together with the suspended stepping equipment.



The cable holders in various designs serve for their safe position on the under-working face equipment.