

Forefield Upper Anchoring – Type KHSE 35

The forefield anchoring KHSE 35 is determined for fixation of the forefield drag conveyor reverse end. The anchoring cushions reactions of the conveyor as well as the weight components of the whole mining configuration (combine, coal plough) including operation forces and reactions of the above stated mining machines.

For placing the anchoring in concrete conditions, it is necessary to calculate it for the local conditions (inclines, equipment, safety coefficient, etc)

KHSE 35 is a double-system anchoring with permanent anchoring effect.

Technical parameters:

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|------------------------------------|---------------------|
| Max. anchoring strength: | 1500 kN |
| Working seam incline: | 0° - 35° |
| Min. anchoring height: | 600mm |
| Anchoring width: | 1.150mm |
| Anchoring length: | 5.800mm |
| Anchoring props number: | 8 |
| Anchoring prop load capacity: | 400kN |
| Transfer rolls number: | 2 |
| Push-power (boogies shifting): | 785kN |
| Pull-power (boogies shifting): | 458kN |
| Transfer roll travel: | 500mm |
| Max. boogie shifting: | 1000mm |
| Racking roll travel: | 245mm |
| Piping nominal inside diameter: | DN 10, DN 12, DN 20 |
| Working liquid operation pressure: | 32MPa |
| Weight: | 5.450kg |

Description:

The anchoring device KSE 35 consists of the following parts:

1. Beam of a box-design

Anchoring boogie

Complete U-clamp

Bottom end – 2 pcs

Anchoring chains Ø26 x 92C – 3 pcs

Latching plate – 6 pcs

Control board of the hydraulics

Anchoring hydraulic props – 8 pcs

The scheme of the arrangement is evident of the anchoring configuration drawing.

On the beam there are sliding assembled an anchoring boogie and complete U-clamp forming together with transfer rolls the stepping unit for shifting the anchoring boogie and the beam. The beam is equipped with bottom ends fixed with hinges. Boogie-sliders are racking 3 high-strength chains Ø26 x 92C, fixed with the lathing plates.

