



BRÄUTIGAM GROUP

MADE IN GERMANY



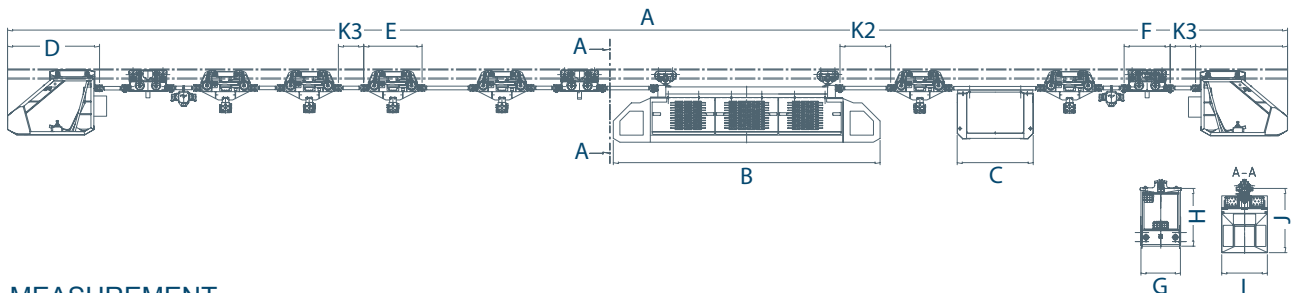
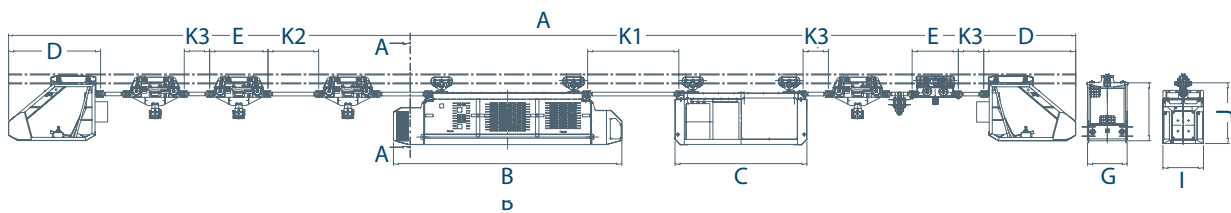
RUHRTHALER TRANSPORT TECHNOLOGY



MONORAIL SYSTEM ADVANTAGES

- Complete-performance hydraulic transportation system with automatic derailment protection lock
- Entire working surface can be used, regardless of tunnel ground conditions
- Achieve higher turnover goals with fewer operators
- Fast and easy transportation of materials from any starting point to every position
- A complete product range that provides an entire high-performance mining transport infrastructure
- Modular interchangeable combinations of monorail elements and vehicles
- Compact, weight-optimized design adapted for mining
- High availability and transport capacity
- Pneumatic, hydraulic, and electric drive and control systems
- Powered by diesel engines or battery locomotives
- Electronic data monitoring and diagnostic systems, maintenance-free CH4 measuring device, and internal brake curfew
- Cabs are equipped with electronic throttle lever, operational data display, and LED head and rear lights
- Removable cabs with wired remote control

SELF-PROPELLED DIESEL-HYDRAULIC MONORAIL TRANSPORT SYSTEMS (H4-E / H6-E DIESEL CAT)



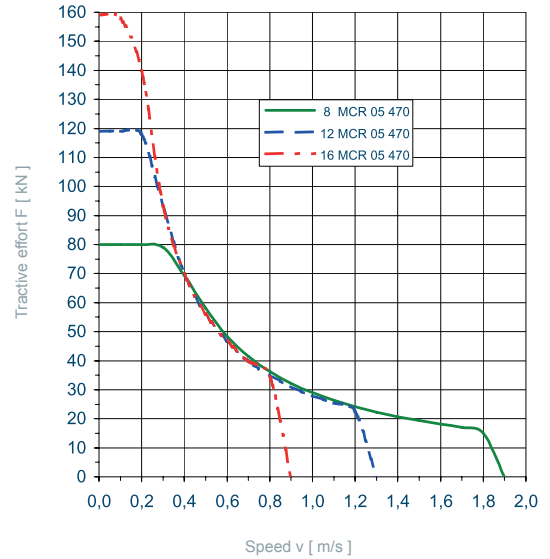
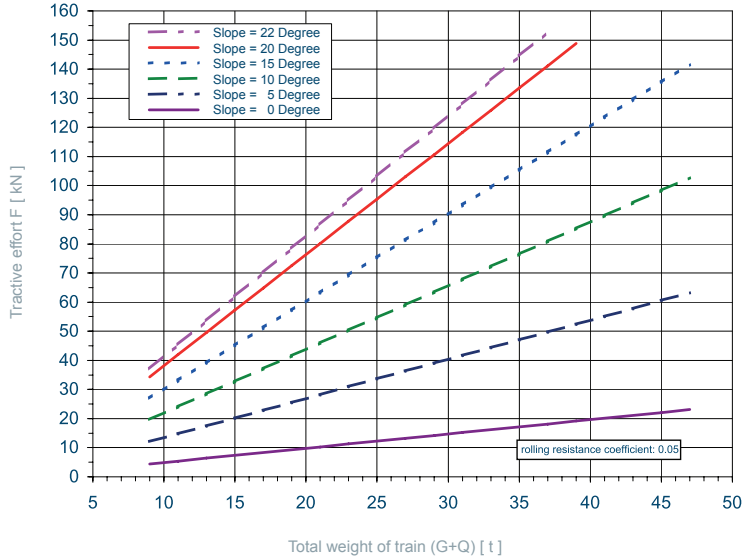
MEASUREMENT

Type	A	B	C	D	E	F	G	H	I	J	K1	K2	K3
H4-E	21000	4500	2600	1815	1150	910	780	1140	800	1220	1800	1000	500
H6-E	25250	5260	1500	1815	1150	910	780	1140	900	1270	—	1000	500

Subject to engineering change

MILEAGE CHART (H4E)

Diesel engine, nominal output: 75 kW, rated speed: 2300 U/min, diameter of friction wheel: 335 mm, 180 / 470



TECHNICAL SPECIFICATIONS

Type	H4-E (4 drives)	H6-E (6 drives)
Type of engine	John Deere 4045TFM50 (adjusted to explosive areas)	John Deere 6068TFM 50 (adjusted to explosive areas)
Max. engine output	75 kW	120 kW / 149 kW
Max. revolutions per min	2300 min -1	2300 min -1
Number of cylinders	4	6
Compression space volume	4,5 L	6,8 L
Diesel consumption	26,3 L/h	36,3 L/h
N0x in fumes	300 ppm	300 ppm
Cooling system	Water	Water
Noise development	82 dB	82 dB
Ambient temperature limit	0-40° C	0-40° C
Maximum speed	6,6 km/h	5,4 km/h
Maximum tractive effort	80 kN	120 kN
Break effort	120 kN	150 kN
Maximum rail cant	25° (27,8 gon)	25° (27,8 gon)
Min. curve radius horizontal	4 m	4 m
Min. curve radius vertical	8 m	8 m
Weight	8000 kg ± 5%	10000 kg ± 5%
Hydraulic pump	2 x A4VG90	A4VG280
Max. operating pressure	35 Mpa	35 Mpa
Hydraulic fluid	HLP	HLP
Diameter of drive wheel	335 mm	335 mm
Diameter of roller	120 mm	120 mm
Capacity of diesel tank	140 L	140 L
Nominal voltage	24 V	24 V