



ELECTRIC HOISTS

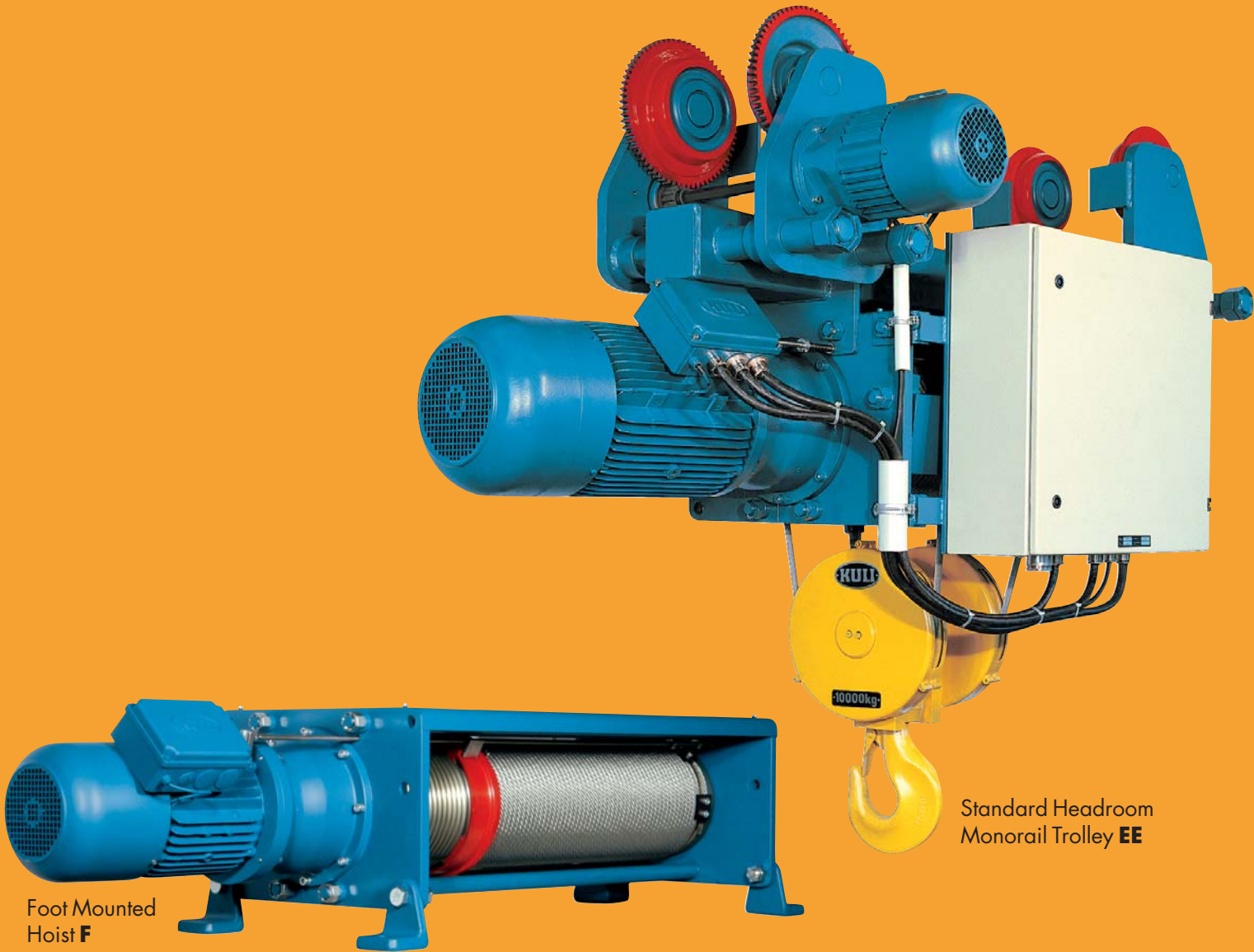


Foot Mounted Hoist Type F

The KULI electric hoist as foot mounted unit can be used in almost all cases where loads, equipments and plant machinery have to be lifted or towed. The universal usability is even increased by possibility to turn the hoist in drum axis direction to reach any required rope pay-off position.

Standard Headroom Monorail Trolleys EE

The standard headroom design for use on single girder cranes and monorail systems. On units of over 10 tons capacity eight wheel trolleys are used to minimise wheel loads and the thickness of the running flange.



Foot Mounted Hoist **F**

Standard Headroom Monorail Trolley **EE**



Range of capacity 1 t - 125 t

KULI electric wire rope hoists represent more than eighty years of experience in the manufacture of hoists. They comply with the German rules for prevention from accidents, DIN-standards, FEM-regulations or EN/ISO-standards and most of international standards and regulations. From the outer appearance of RS-series hoists one can recognize the compact design.

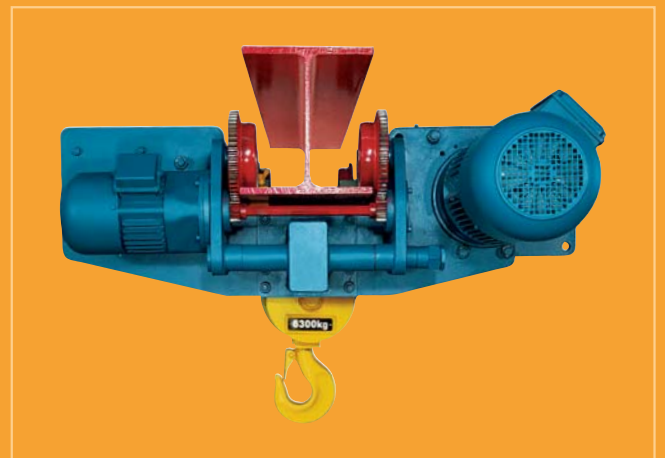
The modular construction with its only few components permits economical use in many applications. Electric brake motors and all gearing are specifically designed for hoisting duty and are manufactured in our works under our control, and are subjected to strict quality tests for safety and reliability.

Low Headroom Monorail Trolleys KE

The favourable dimensions of the low headroom design allow maximum utilisation of available building space



Low Headroom Monorail Trolley **KE**



Design features

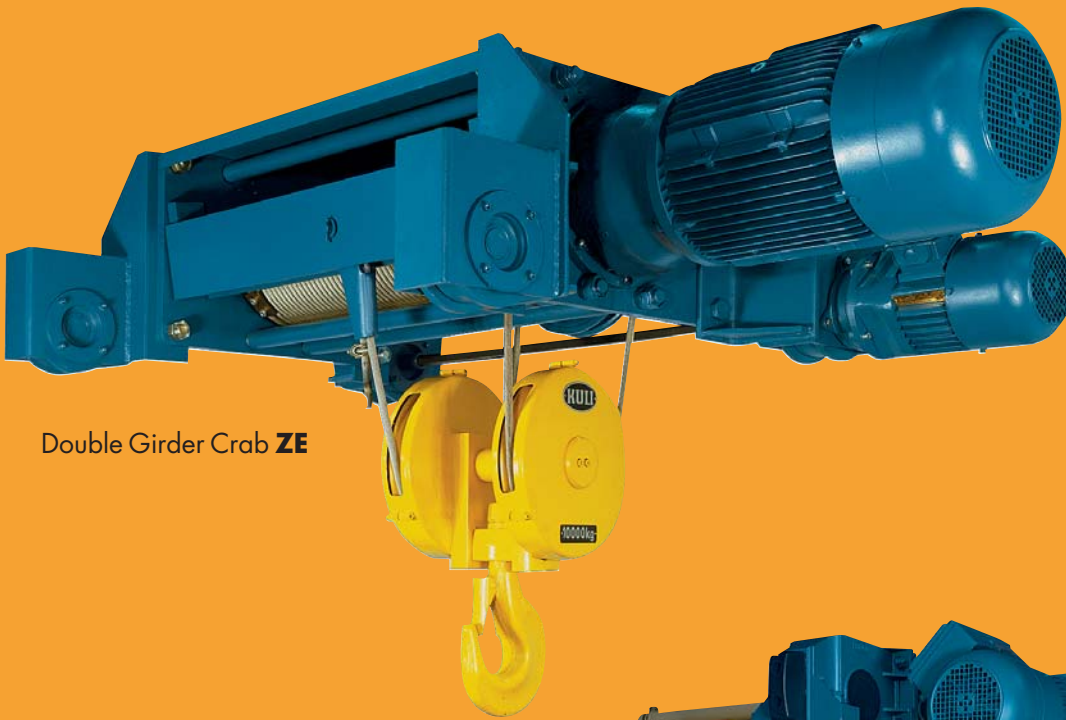
- The hoist motor is a parallel rotor, high torque squirrel cage machine specially rated for hoist duty, for either single or dual speed lifting
- Long wearing and weatherproof DC disc brake
- Overhoisting and overlowering safety limit switch is incorporated in a terminal box which also houses the electronic brake control
- Motor windings are to class F insulation, dust and damp proof enclosure to IP 54, with temperature sensors embedded in the motor windings.
- Compact epicyclic gearing, greased and sealed for life
- Power equalising and load balancing gives even loads on all planetary gears ensuring smooth, low friction operating
- Gear rims, planetary wheels and pinions are made of high grade alloy steel, fully heat treated for high wear resistance
- Fully machined rope drum is supported in high quality ball bearings, greased and sealed for life

Double Girder Crabs ZE

The double girder crab unit offers low headroom dimensions, combined with service-free design

Cantilevered Carriages WE

For selected capacity to span ratios a more favourable headroom dimension can be achieved with a cantilevered carriage compared with conventional single and double girder cranes.



Double Girder Crab **ZE**



Cantilevered Carriage **WE**

- Rope guide and pressure ring, made from durable Ultramid, protect rope and drum from wear
- Main frame designed to allow easy attachment of components for monorail or crab application
- Compact overall dimensions and hook approaches
- Load limiter, operation hour meter, load spectrum meter
- Modular design allows universal application in refurbishment of existing crane systems



Member of F.E.M. (Germany)



Electric hoists "RS"

Capacity in kg / FEM-Group ED / DC / FM			Rope	Type	Lifting height in m					Main hoist		Micro hoist	
1 Am 30%	2 m 40%	3 m 50%	d mm		U	V	W	X	Z	m/ min.	kW	m/ min.	kW
	1250	1000	7,5	1025 L/2	12,0	20,0	28,0	-	-	10,0	2,5	2,2	0,6
	1600	1250	7,5	1032 L/2	12,0	20,0	28,0	-	-	8,0	2,5	1,8	0,6
2000	1600	1250	7,5	1040 L/2	12,0	20,0	28,0	-	-	10,0	3,5	2,2	0,8
		2000	9,4	2040 L/2	12,0	20,0	28,0	-	-	12,5	4,9	2,8	1,2
2500	2000	1600	7,5	1050 L/2	12,0	20,0	28,0	-	-	8,0	3,5	1,8	0,8
	2500	2000	7,5	1025 L/4	6,0	10,0	14,0	-	-	5,0	2,5	1,1	0,6
	2500	2000	9,4	2050 L/2	12,0	20,0	28,0	-	-	10,0	4,9	2,2	1,2
	3200	2500	7,5	1032 L/4	6,0	10,0	14,0	-	-	4,0	2,5	0,9	0,6
3200	2500	2000	9,4	2063 L/2	12,0	20,0	28,0	-	-	10,0	6,0	2,2	1,5
4000	3200	2500	7,5	1040 L/4	6,0	10,0	14,0	-	-	5,0	3,5	1,1	0,8
		4000	9,4	2040 L/4	6,0	10,0	14,0	-	-	6,3	4,9	1,4	1,2
4000	3200	2500	9,4	2080 L/2	12,0	20,0	28,0	-	-	12,5	9,6	2,8	2,4
		4000	14,0	3080 L/2	12,0	20,0	27,0	34,0	-	12,5	9,6	2,8	2,4
5000	4000	3200	7,5	1050 L/4	6,0	10,0	14,0	-	-	4,0	3,5	0,9	0,8
	5000	4000	9,4	2050 L/4	6,0	10,0	14,0	-	-	5,0	4,9	1,1	1,2
		5000	14,0	3100 L/2	12,0	20,0	27,0	34,0	-	10,0	9,6	2,2	2,4
		5000	16,0	4100 L/2	-	15,0	23,0	32,0	40,0	10,0	9,6	2,2	2,4
6300	5000	4000	9,4	2063 L/4	6,0	10,0	14,0	-	-	5,0	6,0	1,1	1,5
		6300	16,0	4125 L/2	-	15,0	23,0	32,0	40,0	8,0	9,6	1,8	2,4
8000	6300	5000	9,4	2080 L/4	6,0	10,0	14,0	-	-	6,3	9,6	1,4	2,4
		8000	14,0	3080 L/4	6,0	10,0	13,5	17,0	-	6,3	9,6	1,4	2,4
	8000	6300	16,0	4160 S/2	-	15,0	23,0	32,0	40,0	6,3	9,6	1,4	2,4
		8000	18,0	5160 L/2	-	14,0	21,0	28,0	35,0	10,0	15,5	2,2	3,8
		10000	14,0	3100 L/4	6,0	10,0	13,5	17,0	-	5,0	9,6	1,1	2,4
		10000	16,0	4100 L/4	-	7,5	11,5	16,0	20,0	5,0	9,6	1,1	2,4
	10000	8000	18,0	4200 L/2	-	14,0	21,0	28,0	35,0	5,0	9,6	1,1	2,4
	10000	8000	18,0	5200 L/2	-	14,0	21,0	28,0	35,0	8,0	15,5	1,8	3,8
		10000	20,0	6200 /2	-	10,1	18,5	26,8	35,1	12,5	24,0	3,0	6,0
		12500	16,0	4125 L/4	-	7,5	11,5	16,0	20,0	4,0	9,6	0,9	2,4
	12500	10000	20,0	4250 L/2	-	12,6	19,0	25,5	32,0	4,0	9,6	0,9	2,4
	12500	10000	20,0	5250 L/2	-	12,6	19,0	25,5	32,0	6,3	15,5	1,4	3,8
	12500	10000	20,0	6250 /2	-	10,1	18,5	26,8	35,1	10,0	24,0	2,4	6,0
		12500	23,0	7250 /2	-	9,0	16,7	24,3	32,0	12,5	30,0	2,7	7,5
	16000	12500	16,0	4160 S/4	-	7,5	11,5	16,0	20,0	3,2	9,6	0,7	2,4
16000	12500	10000	20,0	4320 L/2	-	12,6	19,0	25,5	32,0	2,8	9,6	0,7	2,4
16000	12500	10000	20,0	5320 L/2	-	12,6	19,0	25,5	32,0	5,0	15,5	1,1	3,8
		16000	18,0	5160 L/4	-	7,0	10,5	14,0	17,5	5,0	15,5	1,1	3,8
16000	12500	10000	20,0	6320 /2	-	10,1	18,5	26,8	35,1	8,0	24,0	2,0	6,0
	16000	12500	23,0	7320 /2	-	9,0	16,7	24,3	32,0	10,0	30,0	2,2	7,5
	16000	12500	23,0	9320 /2	-	-	16,7	24,3	32,0	12,5	40,0	2,7	10,0
	20000	16000	18,0	4200 L/4	-	7,0	10,5	14,0	17,5	2,5	9,6	0,5	2,4
	20000	16000	18,0	5200 L/4	-	7,0	10,5	14,0	17,5	4,0	15,5	0,9	3,8
20000	16000	12500	23,0	6400 /2	-	9,0	16,7	24,3	32,0	6,3	24,0	1,6	6,0
		20000	20,0	6200 /4	-	-	9,2	13,4	17,5	6,3	24,0	1,5	6,0
	20000	16000	23,0	7400 /2	-	9,0	16,7	24,3	32,0	8,0	30,0	1,8	7,5
	20000	16000	23,0	9400 /2	-	-	16,7	24,3	32,0	10,0	40,0	2,2	10,0
	25000	20000	20,0	4250 L/4	-	6,3	9,5	12,7	16,0	2,0	9,6	0,5	2,4
	25000	20000	20,0	5250 L/4	-	6,3	9,5	12,7	16,0	3,2	15,5	0,7	3,8
	25000	20000	20,0	6250 /4	-	-	9,2	13,4	17,5	5,0	24,0	1,2	6,0
25000	20000	16000	23,0	7500 /2	-	9,0	16,7	24,3	32,0	6,3	30,0	1,4	7,5
25000	20000	16000	23,0	9500 /2	-	-	16,7	24,3	32,0	8,0	40,0	1,8	10,0
		25000	23,0	7250 /4	-	-	8,3	12,1	16,0	6,3	30,0	1,4	7,5
32000	25000	20000	20,0	4320 L/4	-	6,3	9,5	12,7	16,0	1,4	9,6	0,4	2,4
32000	25000	20000	20,0	5320 L/4	-	6,3	9,5	12,7	16,0	2,5	15,5	0,5	3,8
32000	25000	20000	20,0	6320 /4	-	-	9,2	13,4	17,5	4,0	24,0	1,0	6,0
32000	25000	20000	25,0	9630 /2	-	-	13,5	20,3	27,1	6,3	40,0	1,4	10,0
	32000	25000	23,0	7320 /4	-	-	8,3	12,1	16,0	5,0	30,0	1,1	7,5
	32000	25000	23,0	9320 /4	-	-	8,3	12,1	16,0	6,3	40,0	1,4	10,0
40000	32000	25000	23,0	6400 /4	-	-	8,3	12,1	16,0	3,2	24,0	0,8	6,0
	40000	32000	23,0	7400 /4	-	-	8,3	12,1	16,0	4,0	30,0	0,9	7,5
	40000	32000	23,0	9400 /4	-	-	8,3	12,1	16,0	5,0	40,0	1,1	10,0
50000	40000	32000	23,0	7500 /4	-	-	8,3	12,1	16,0	3,2	30,0	0,7	7,5
50000	40000	32000	23,0	9500 /4	-	-	8,3	12,1	16,0	4,0	40,0	0,9	10,0
63000	50000	40000	25,0	9630 /4	-	-	6,7	10,1	13,5	3,2	40,0	0,7	10,0

Examples of special types



KULI monorail hoist type RS KEK X 7500 / 4 F 45,
low headroom design with side-arranged basic hoist,
with curve trolley in a ring craneway of
13,6 m diameter
Capacity: 55 t
Lifting speeds: 3,2/0,7 m/min.
Lifting motor output: 30/7,5 kW
Travel speed range: 20-2 m/min. (inverter controlled)
Deadweight: approx. 6 t
Location of use: cement plant in Spain to lift roller
units in grinding mill.



Electric Hoists
Crane Components
E.O.T. Cranes
Underslung Cranes
Gantry Cranes
Hydraulic
Working Platforms

HELMUT KEMPKE KULI - LIFTING EQUIPMENT

Bismarckstraße 59
D-42853 Remscheid
export@kuli.com

Germany

Tel. +49 (0) 21 91 / 43 4-0
Fax +49 (0) 21 91 / 43 445
www.kuli.com