

Brake Operation Criteria

for brakes in a hoisting

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 page 1 / 1

Inquiry / Project Ref.
Client
Quotation Number

Data Brake			
preferred version	drum brake <input type="checkbox"/>	disc brake <input type="checkbox"/>	
location	indoor <input type="checkbox"/>	outdoor <input type="checkbox"/>	roofed <input type="checkbox"/>
ambient temperature	from [°C]	to [°C]	
humidity	dry <input type="checkbox"/>	wet <input type="checkbox"/>	rel. humidity [%]
	dusty <input type="checkbox"/>	abrasive <input type="checkbox"/>	
aggressive substance	acidic <input type="checkbox"/>	saline <input type="checkbox"/>	substance:
electric connection	supply current [A]	supply voltage [V]	
options	cover hood <input type="checkbox"/>	aluminum <input type="checkbox"/>	stainless steel <input type="checkbox"/>
	inclusive thruster <input type="checkbox"/>		
	manual lifting <input type="checkbox"/>		
	sensor <input type="checkbox"/>	inductive <input type="checkbox"/>	mechanical <input type="checkbox"/>
	PLC-suitable <input type="checkbox"/>	control voltage [V]	AC / DC <input type="checkbox"/> / <input type="checkbox"/>
	brake open <input type="checkbox"/>	brake closed <input type="checkbox"/>	low residual travel <input type="checkbox"/>
Data Hoisting Gear			
lifting capacity			[t]
mass of load-bearing device	jig, hook block, etc.		[kg]
number of brakings			[1/h]
load spectrum class			
lifting speed	at full load		[m/min]
	without load		[m/min]
number of wire ropes	total number of all bearing ropes		
number of ropes on drum	number of hoists		
number of wire rope drums			
rope drum diameter	middle of rope or last rope position		[mm]
gear ratio			
engine	number		
	power performance		[kW]
	nominal speed		[min ⁻¹]
	duty cycle		[%]
moment of inertia	related to motor shaft		[kgm ²]
admissible overtravel of the load			[m]

subject to change without notice