Disc brakes

Questionnaire

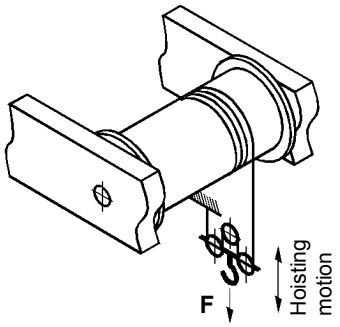
Hoisting motion - Emergency stopping brake

Builder: _____

User: _____

Type of crane: _____

Project: _____



	CODE	SPECIFICATIONS	VALUES (metric)	
Esential informations	F	Safe working load (SWL)		t
	P	Total sprung weight (F + accessories)		t
	V	Lowering nominal speed		m/min
	NB	Motor: number		
	KW	power		kW
	N	nominal speed corresponding to V		rpm
	JGV	High speed inertia (mr²) per motor (mot., coupling, etc..)		kgm²
	NBB	Total number of reeving lines		
	NBM	Number of motor strands per drum		
	NT	Number of drums		
	JT	Inertia of one drum (mr²)		kgm²
	DT	Cable winding diameter		m
	DD	Maximum diameter of the disc		m
	ND	Drum speed when overspeed is detected		r.p.m.
	TD	Detection time		sec
	FES	Static test factor		%
	FED	Dynamic test factor		%
	EH	Electromagnetic or hydraulic brake (please specify)		
	R	Reduction ratio motor/drum		
Special conditions	D	Stopping distance		m
	CR	Calculation with kinetic chain failure (yes or no)		
	JT	If yes, drum inertia (mr²)		kgm²
	AF	Is controlled lowering required with emergency brake ?		
	HA	If yes, maximum lowering distance		m
	CF/CS	Special ratio: braking torque/torque due to the load		
	A	Ambient temperature		°Celsius
Results for normal operating		**RESULTS OF CALCULATIONS**	**CALCULATION N°**	
		Type of brake		
	DD	Disc diameter		m
	CF	Braking torque per drum		Nm
	CF/CS	Ratio: braking torque/torque due to the load		

Due to continuous development and improvement, all dimensions and characteristics are subject to change without notice.

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21/06/19

Q01330-01-B