Disc brakes

Questionnaire

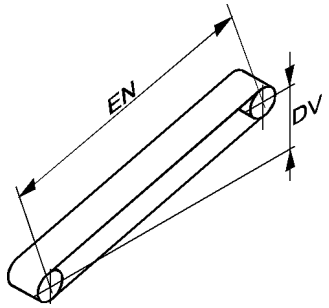
Conveyor: service brake

Builder: _____

User: _____

Type of conveyor: _____

Project: _____



	Motor brake	Drum or secondary shaft brake	CODE	SPECIFICATIONS	VALUES (metric)
Essential informations	❍	❍	TC	Level, rising or descending conveyor	_____
	❍	❍	DB	Capacity	_____ Te/h
	❍	❍	V	Belt speed	_____ m/min
	❍	❍	EN	Distance between head and tail pulleys	_____ m
	❍	❍	DV	Difference of level	_____ m
	❍	❍	NB	Motor: number	_____
	❍	❍	KW	power	_____ kW
	❍	❍	N	nominal speed corresponding to V	_____ tr/min
	❍	❍	PL	Linear weight (belt + idlers)	_____ kg/m
	❍		AC	Disc mounted with flexible coupling (if yes, type and brand)	_____
	❍		DR	If yes, gear box shaft diameter	_____ mm
	❍		DM	motor shaft diameter	_____ mm
	❍	❍	DD	Maximum disc diameter	_____ mm
	❍	❍	CO	Disc mounted with fluid coupling (if yes, type and brand)	_____
		❍	NT	Number of drum or shaft to be braked	_____
Desirable informations	❍	❍	ER	Total rolling resisting force	_____ kg
	❍	❍	JM	Motor: inertia ($J=mr^2$)	_____ kgm^2
	❍	❍	M	or type and brand	_____
	❍	❍	JTM	Total inertia at motor level ($J=mr^2$)	_____ kgm^2
		❍	VT	Drum or shaft speed at brake level	_____ rpm
Special conditions	❍	❍	FH	Brake applications per hour	_____ b/h
	❍	❍	T	Braking time	_____ sec
	❍	❍	A	Ambient temperature	_____ °Celsius
	❍	❍	TM	Minimum time interval between sucessive brake applications	_____ sec
	❍	❍	CB	Desired braking torque in case of power failure	_____ Nm

Results for nominal operating	CODE	RESULTS OF CALCULATIONS	CALCULATION N°
		Type of brake	_____
	CF	Braking torque	_____ Nm
	CS	Static torque due to the load	_____ Nm
	T	Braking time	_____ sec

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

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