

# Design data for the calculation of plastic gearwheels

Company:		Address:	
Contact person:			
Phone number:			
E-mail:			
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1.	Number of pinion teeth	$Z_1 =$	
2.	Number of gear teeth	$Z_2 =$	
3.	Module	$m =$	
4.	Width of tooth face	$b =$	mm
5.	Gearing rate	$i = Z_1/Z_2 =$	
6.	Pressure angle		°
7.	Addendum modification coefficient (pinion)	$x_1 =$	
8.	Addendum modification coefficient (gear)	$x_2 =$	
9.	Revolutions per minute (pinion)	$n_1 =$	1/min.
10.	Revolutions per minute (gear)	$n_2 =$	1/min.
11.	Transmitted capacity	$P =$	KW
12.	Peripheral force		N
13.	Character of the tooth profile	spur	helical
14.	Type of lubrication	dry	single lubrication
		oil lubricated	oil mist lubrication
15.	Type of combination	plastic/plastic	
		metal/plastic	
16.	Construction of the gearbox	totally open, unsealed	partially open/unsealed
		closed gearbox	
17.	Surface of the gear box case		m <sup>2</sup>
18.	Ambient temperature		°C
19.	Required service life		hrs.
20.	Operating stress	continuous use	intermittent use
		operating factors	%

21. Mode of operation	steady	moderate shocks
	medium shocks	heavy shocks
22. Character of surface of the tooth profile:		
23. Special conditions:		

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