

# PA 12C LAURAMID®

## CALCULATION REQUEST FOR GEAR WHEELS

GEAR DATA:				
Lauramid®/Steel		$Z_1$		
Lauramid®/Steel		$Z_2$		
Module		$m_n$		(mm)
Face Width		$b$		(mm)
Center Distance		$a_1$		(mm)
Pressure Angle		$\alpha_n$		(°)
Helix Angle		$\beta$		(°)
Addendum Modification		$x_1$		
Coefficient		$x_2$		
Power		$P_1$		(KW)
RPM		$n_1$		(1/min)
Torques		$M_1$		
		$M_2$		(Nm)
Transmission Ratio		$i$		
Perimeter Speed		$v$		(m/s)
Lubrication				
Operating Temperature		$t_B$		(°)
CALCULATION RESULTS:				
Tooth Root Stress		$\sigma_w$		
Pitch Line Stress		$k_w$		(N/mm <sup>2</sup> )
Tooth Root Strength		$\sigma_0$		
Pitch Line Strength		$k_0$		(N/mm <sup>2</sup> )
Over Time		$k_D$		(N/mm <sup>2</sup> )
Break Stability Over Time		$S_B$		
Pitting Resistance Over Time		$S_G$		
<b>Please supply complete data or cross out</b>				
Notes:				

Company:
Contact Person:
Street:
City/Zip/Country:
eMail:
Phone:
Fax:

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