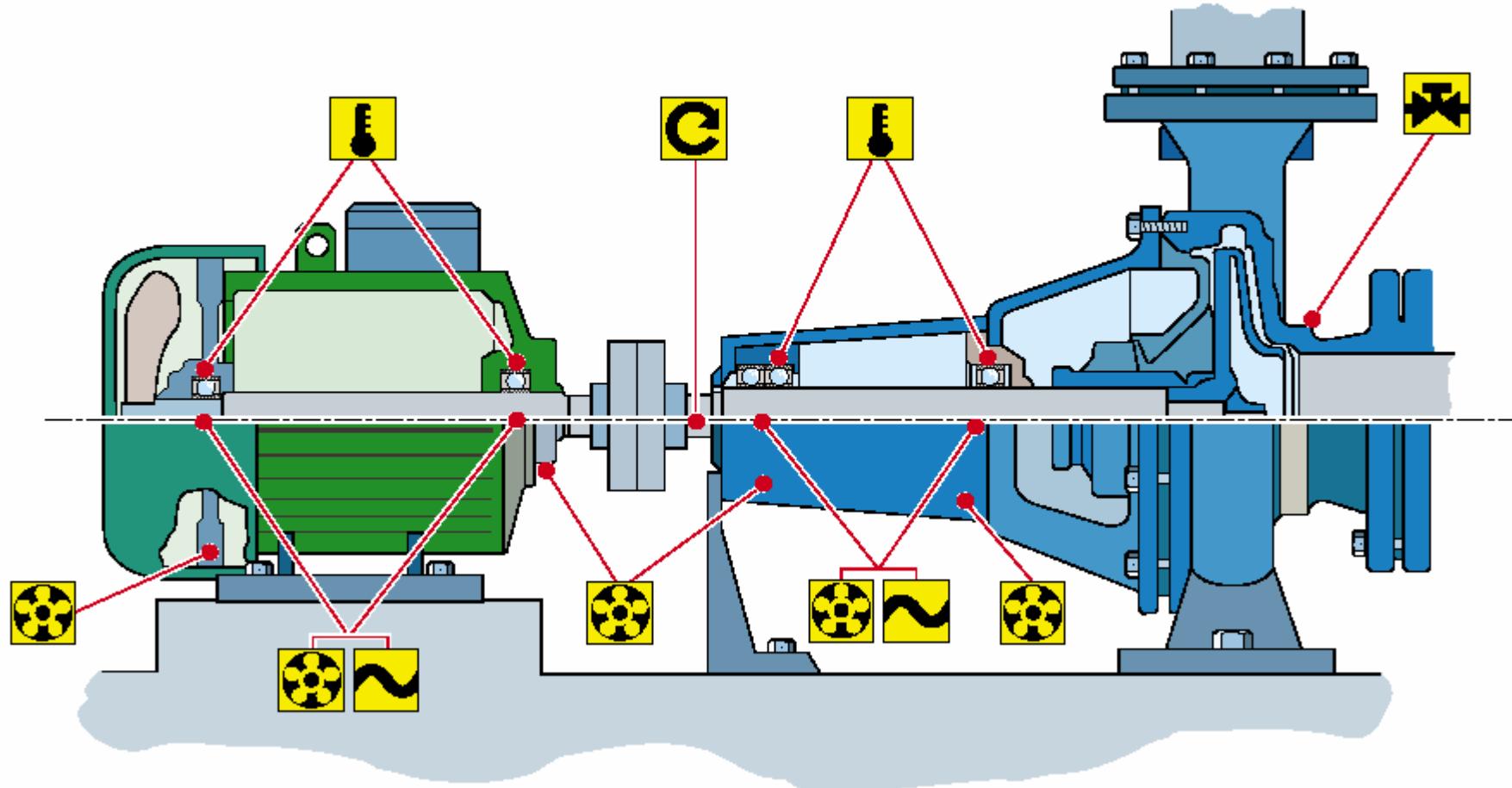
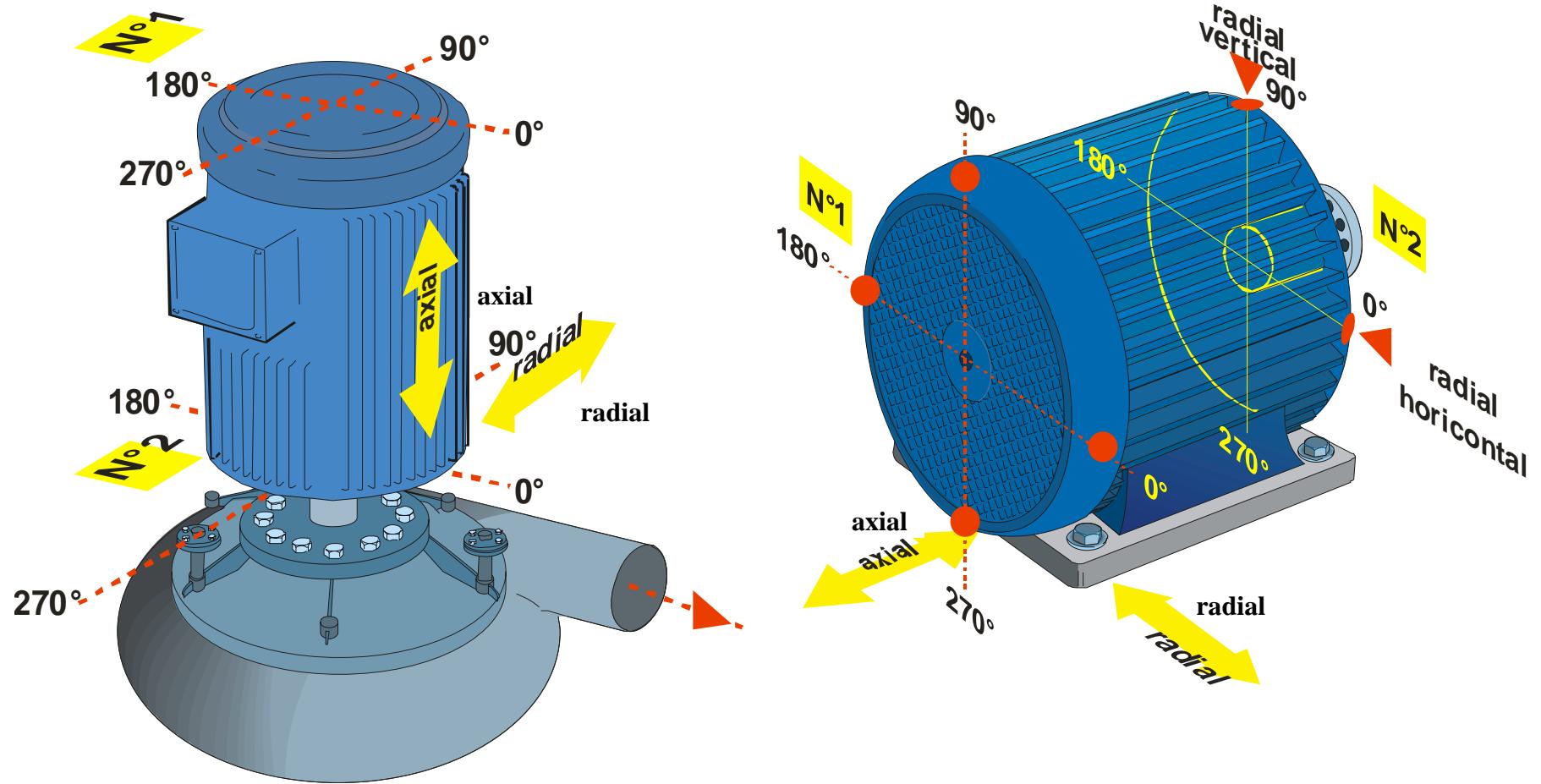


Proper Measurement Location (Overview)

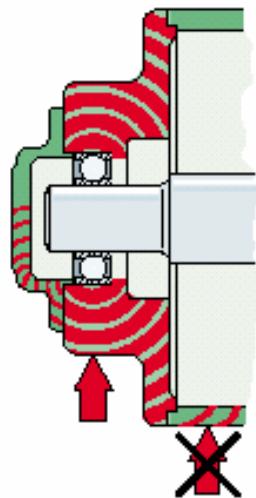


Measurement Location – Vibration Measurement

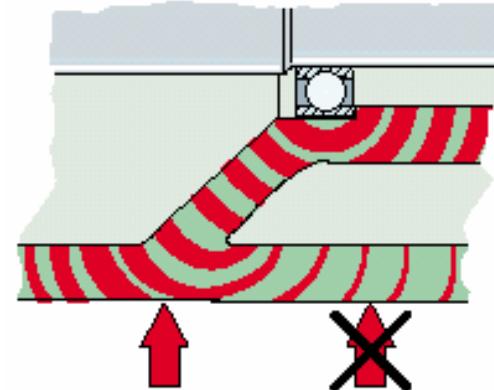


Four Rules For Proper Measurement Location

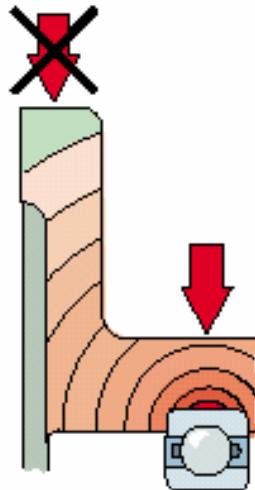
1. Only one conduction interface allowed!



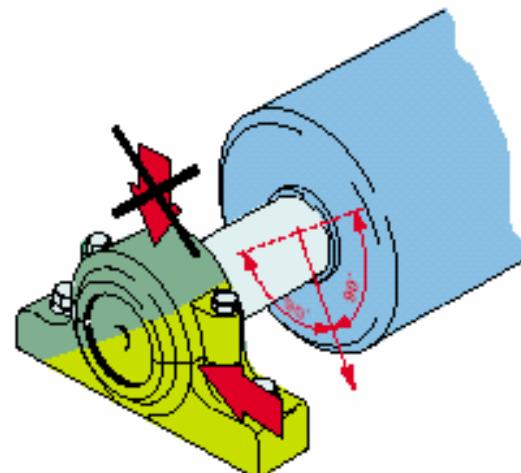
2. Signal path must be as direct as possible (e.g. bearing housing)



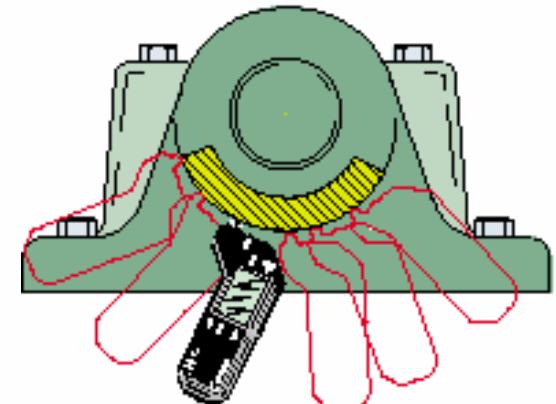
3. Shortest possible signal path



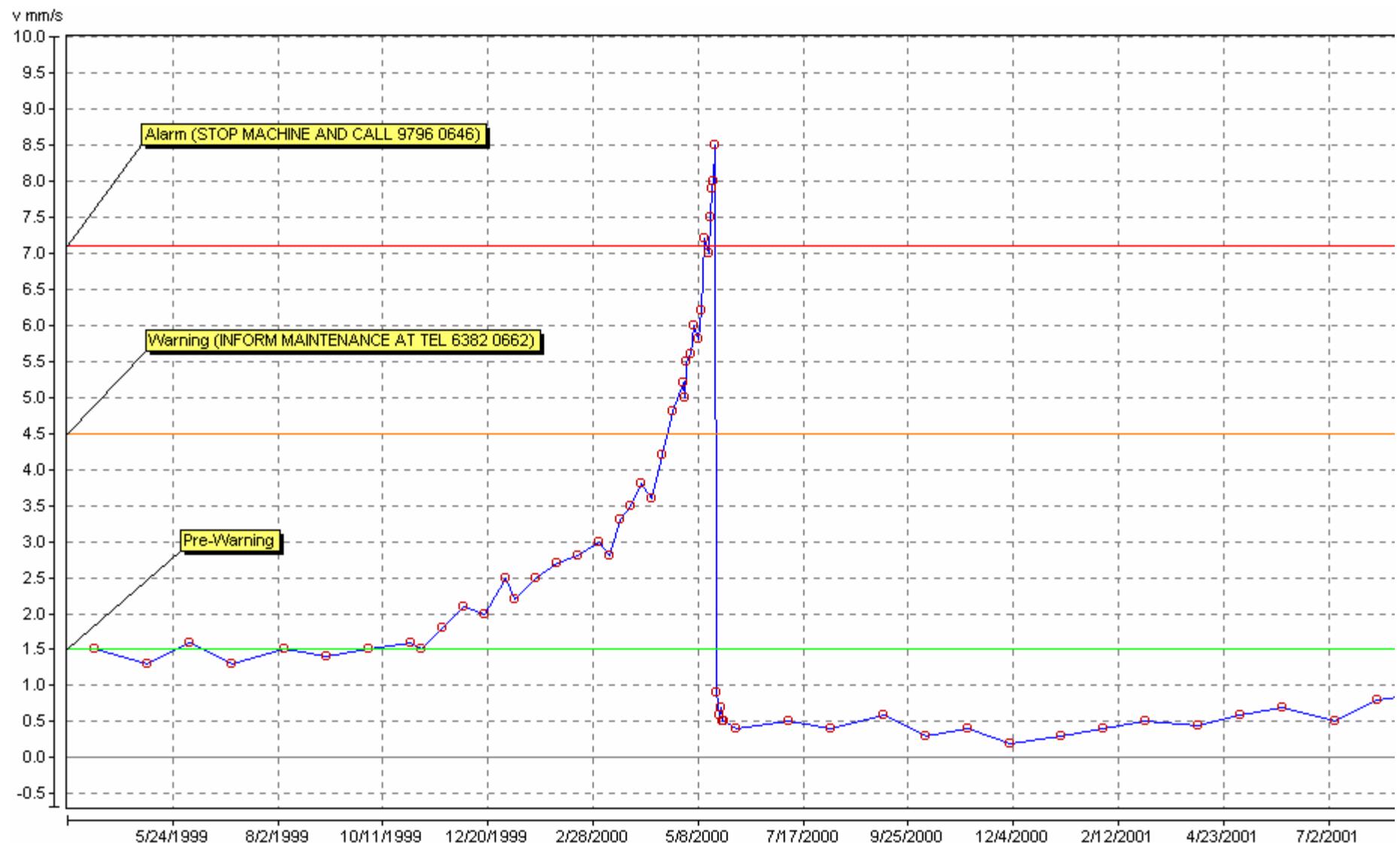
4. Measure in direction of loading



- !! Always locate the strongest possible signal



Measurement Interval for Off-line Monitoring



ISO 10816-3

								Velocity	
								10–1000 Hz	10–1000 Hz
								r>600 rpm	r>120 rpm
								mm/s rms	inch/s rms
rigid	flexible	rigid	flexible	rigid	flexible	rigid	flexible	Foundation	
pumps > 15 kW				medium sized machines				large machines	
radial, axial, mixed flow				15 kW < P ≤ 300 kW				300 kW < P < 50 MW	
integrated driver		external driver		motors				motors	
				160 mm ≤ H < 315 mm				315 mm ≤ H	
Group 4		Group 3		Group 2		Group 1		Group	
								A	newly commissioned
								B	unrestricted long-term operation
								C	restricted long-term operation
								D	vibration causes damage

Measurement Interval and Condition Deterioration Rate

