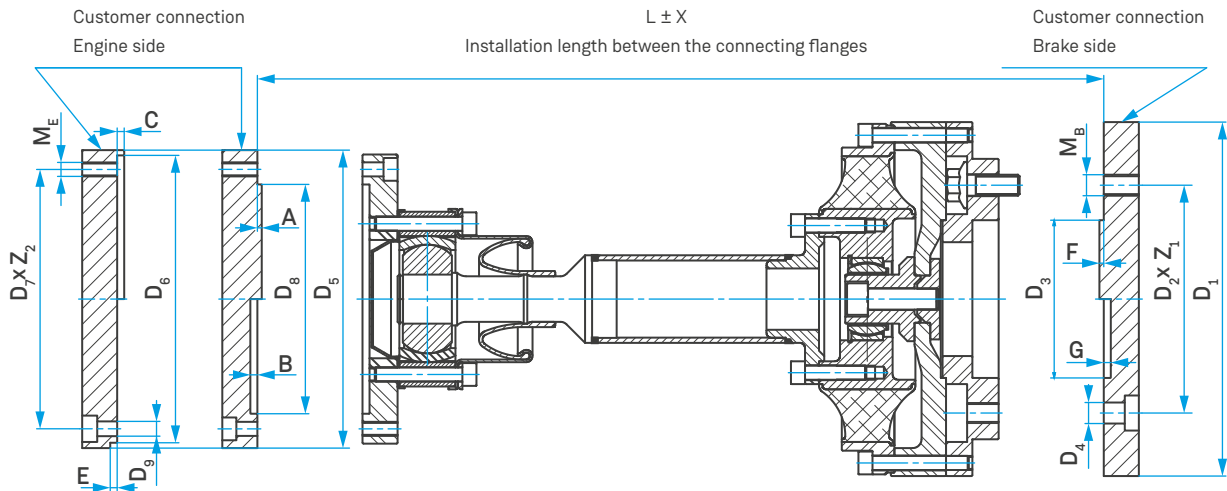
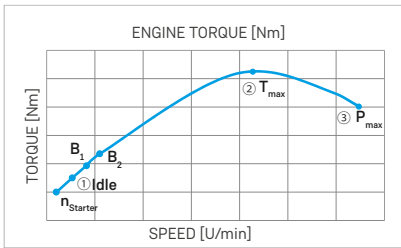


## Data Required for Coupling Size Selection



Engine	Please mark with a cross	Diesel	Gas	Gas	Turbo	Biturbo	Cylinder deactivation*		Connection dimensions, customer												
							yes	no	Engine			Brake									
Type/designation/ manufacturer									Symbol	Value	Unit	Symbol	Value	Unit							
									D <sub>5</sub>		[mm]	D <sub>1</sub>		[mm]							
									D <sub>6</sub>		[mm]	D <sub>2</sub>		[mm]							
									D <sub>7</sub>		[mm]	Z <sub>1</sub>		-							
									Z <sub>2</sub>		-	D <sub>4</sub>		[mm]							
									D <sub>9</sub>		[mm]	M <sub>B</sub>		-							
									M <sub>E</sub>		-	D <sub>3</sub>		[mm]							
									D <sub>8</sub>		[mm]	F		[mm]							
									A		[mm]	G		[mm]							
									B		[mm]										
									C		[mm]	L		[mm]							
									E		[mm]	X		[mm]							
									Coupling shaft installation						Please mark with a cross						
									n <sub>Idle</sub>		[min <sup>-1</sup> ]	Directly between engine and brake or measuring flange (classic)									
									T <sub>Idle</sub>		[Nm]	Not directly on the engine (e.g. use of an intermediate bearing)									
									P <sub>Idle</sub>		[kW]	Vehicle coupling used?									
									n		[min <sup>-1</sup> ]	Dummy gear used? (if yes: specify J+Ct)									
									T <sub>max (nom)</sub>		[Nm]	Operational displacements			Symbol	Value	Unit				
									n <sub>max</sub>		[min <sup>-1</sup> ]	Axial displacement			K <sub>a</sub>		[mm]				
									T		[Nm]	Radial displacement			K <sub>r</sub>		[mm]				
									P <sub>max</sub>		[kW]	Angular displacement			K <sub>w</sub>		[°]				
									Inline/V (Angle xx°)												
									Number of cylinders												
									Engine harmonic main order												
									Firing order z <sub>1</sub> , z <sub>2</sub> , z <sub>3</sub> , ...z <sub>n</sub>												
									Total stroke volume												
									Hub		[mm]	Bore									
									Connecting rod length												
									Connecting rod length ratio												
									Oscillating mass per cylinder												
									Moments of inertia (engine + flywheel)												
									J <sub>Mot</sub>		[kgm <sup>2</sup> ]	Mass moment of inertia reduced			J <sub>Brake</sub>		[kgm <sup>2</sup> ]				
									Dual mass flywheel		yes/no	J <sub>1</sub>		[kgm <sup>2</sup> ]	J <sub>2</sub>		[kgm <sup>2</sup> ]	Ct	**	[Nm/rad]	
									Smallest operating point B1		n	[min <sup>-1</sup> ]	T		[Nm]	P		[kW]	t	[s]	Frequency/h
									Second smallest operating point B2		n	[min <sup>-1</sup> ]	T		[Nm]	P		[kW]	t	[s]	Frequency/h
									Lowest operating speed at full throttle		n	[min <sup>-1</sup> ]	Ambient temperature [°C]								



**i** \* Description of deactivation  
**\*\*** Provide dual mass flywheel characteristic curve