



Online Seminar Vocabulary List Español

Term	Definition	Español	Notes
bearing	a machine component connecting parts moving at different speeds (e.g. shaft & housing)	rodamiento	
rolling contact	describes the nature of the contact area in rolling-element bearings	contacto rodante/de rodadura	
friction	a resistance to motion	fricción	
wear	a loss of material and/or alteration of surfaces due to relative motion between two parts	desgaste	
lubricant	a substance used to separate solid surfaces to reduce friction and wear; typically oil or grease	lubricante	
deep groove ball bearing	a type of bearing using balls	rodamiento de bolas de ranura profunda	
angular contact ball bearing	a type of bearing using balls	rodamiento de bolas de contacto angular	
spherical ball bearing	a type of bearing using balls	rodamiento de bolas esférico	
four point contact ball bearing	a type of bearing using balls	rodamiento de bolas de 4 puntos de contacto	
cylindrical roller bearing	a type of bearing using rollers	rodamiento de rodillos cilindricos	
needle bearing	a type of bearing using rollers	rodamiento de agujas	
tapered roller bearing	a type of bearing using rollers	rodiamiento de rodillos cónicos	
spherical roller bearing	a type of bearing using rollers	rodamiento de rodillos esféricos	
curved contact area	describes the form of the contact surface inside a rolling-element bearing	area de contacto curvada	
slippage distribution	describes the location and extent of slipping in the contact of a rolling-element bearing	distribucion de deslizamiento	
premature	too early	premature	
reinforced	with increased strength	reforzado	
lubrication film	a thin layer of lubricant between solid bodies	película lubricante	
perpendicular	forming an angle of 90°	perpendicular	
pattern	visual appearance	patrón	
shoulder	a change in cross section, e.g. of a shaft	hombro	
life time	the time until failure of a part	tiempo de vida	
cage	a part that holds the rolling elements in a rolling-contact bearing	jaula	
stiffness	the resistance against elastic deformation	rigidez	
fiber-reinforced	a compound material consisting of a matrix (e. g. plastic) and fibers of a stronger material (e.g. glass)	fibra reforzada	
admissible	what can be allowed	admisible	

sheet metal	metal that has been formed into thin, flat pieces	chapa metálica
brass	an alloy of copper and zinc	latón
misalignment	deviation from ideal positioning	desalineamiento
locating / non-locating arrangement	type of bearing arrangement	
adjusted arrangement	type of bearing arrangement	disposición ajustada
floating arrangement	type of bearing arrangement	disposición flotante
assembly	a group of mutually dependent and compatible components (e.g. tire and rim)	montaje/ensamblaje
embracement	an arrangement that leads to the application of additional forces	Tension
thermal expansion /contraction	a change in size due to changing temperature (warmer/cooler)	expansión/contracción térmica
clearance	a space for free movement	holgura
roughness	measure of the texture of a surface; the vertical deviation of the surface from its ideal form	rugosidad
fit	the clearance between two mating parts, defines their ability to move relative to one another once assembled (clearance fit, transition fit, interference fit)	ajuste
radial runout	results in a part rotating slightly off-center which causes oscillation when spinning	Excentricidad radial
wear inhibition	prevention of wear	protección al desgaste
heat dissipation	the removal of heat out of a system	evacuación/disipación de calor
viscosity	the resistance of fluids to shear stress and the resultant change of shape	viscosidad
additive	a component added to a lubricant to modify its properties	aditivo
inclusion	for steels, a non-metallic impurity	inclusión
separation	components of a liquid becoming distinct	segregación
through-hardened steel	steel that has been hardened throughout in order to increase its strength	acero templado
case-hardened steel	steel that has only been hardened on the surface with the bulk of the material remaining soft	acero cementado
pitting	the loss of flakes of material from a surface	picaduras
fatigue load limit	a parameter of bearing strength; the load level below which metal fatigue will not occur	límite carga de fatiga
static load rating / static capacity	a parameter of bearing strength; the load that a bearing can endure before the raceway suffers a permanent distortion of 0,01% the diameter of the rolling element	capacidad de carga estática
dynamic load rating / dynamic capacity	a parameter of bearing strength; the load that a bearing can theoretically endure for one million revolutions	capacidad de carga dinámica
elastic deformation	a deformation that disappears after the external force is removed	deformación elástica