

# Tecno

rigid couplings: are those which have a rigid connection between the two ejes. generalmente are built with two plates that are joined together by means of screws, do not allow any relative movement between the two elements together. a. limitadores torque: they are rigid, maintain the transmission of the effort while not exceed a certain value most basic par. los are constructed by a cross pin which is sheared when the torque limit is exceeded, simple and economical, have the disadvantage of being removed each time you cizallan. se used as security features. a. elasticos are those that allow some relative movement between the two axles unidos. Para therefore have some elastic element that deforms under point and recovery efforts in the operating position in the regime. in widespread use in the couplings of motors. a. moviles are those that allow a degree of mobility of an axis over the other. a. oldham: to transmit motion between two shafts that are not coaxial, that is, allows radial displacement. cardan board: to transmit motion between two shafts to form a certain angle, although this variety during transmission, has a central cross linked with two forks. clutches governed are those couplings that allow maintaining or interrupting the continuity of movement between axes that governed when the change relacionan. son continuity / discontinuity is carried out through some friction especifica. son actuator when the continuity of movement is achieved through the discos. Permiten rozamiento of his drive during operation of the machine are subjected to wear and have limitation in terms of torque transmitted.

automatic clutches are those that actuann disjoint elements joining and driver and taken to a Carian trabajo. on the terms of centrifugal clutch: by increasing engine speed automatic clutch is produced by a centrifugal action on the mobile masses, decoupling by reducing revolutions below a certain threshold / torque-limiting clutches are those that produce the decoupling when exceeds a certain pair, turning to give continuity to the movement when it exceeds its preset limit, so that, after the over-exertion, link will not recover while in the clutches if / one-way clutches are those that transmit the movement only in one direction of rotation of the drive shaft / ratchets: convert a reciprocating motion in another rotation in a particular direction. accumulator of kinetic energy: are generally used to homogenize movimientos. la generation of a movement can produce irregularities periodicas. la energy accumulated by the wheel is given by:  $E = \frac{1}{2} * I * W^2$ . accumulator type elastic: the elastic component a coupling, which accumulates a small amount of energy at the instant of effort, released in the moments after softening so the potential impact during operation. Dampers: are devices designed to dissipate small amounts of energy, its mission is ocntrolar energy elasticos. La elements released by elastically stored energy tends to produce the symmetrical distortion free. Rolling: It consists of two rings between ls cuas roll a rolling series guiads d elements x 1 cage.