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A coupling is a mechanical element part that connects two the shafts together to accurately transfer the power from the drive side to the driven side while absorbing the mounting errors of the of the two shafts. Power can be transmitted even between axes of different diameters, inclined angles, and axial displacements. They also help absorb the shock and arrest heat transfer from one shaft to another. Protected flange ~~cup~~ coupling is a type of shaft coupling have two separate flanges which are mounted on the shaft ~~and~~ end and both flanges are bolted together by means of nuts and bolts. It differs from unprotected and ~~and~~ marine type flange coupling since its coupling bolts and nuts are protected by flanges on the two halves of the coupling.