ABSTRACTION

Flange represent the connective component between pipe of machine output with the muffler system of car produced by PT. IONUDA. Flange as link component expected to have the perfect design, dimension goodness, function, and also materials used. This component is designed so that secretory smoke from accessible machine output pipe into muffler system and don't leak. Therefore hence its dimension have to really precise.

At the moment PT. IONUDA have designed the process sequence used to produce the the flange and material used that is plate of stainless steel SUS 304. Nevertheless, still there are product handicap which is in the form of barst and not perfect form the wall of collar, and also not flatten hole result of piercing process. For that which require to be analysed beforehand at process of collar drawing process and at piercing process, whether punch-dies used by have as according to calculation result.

This scheme is expected can yield the flange having form and dimension matching with its function by analysing sequence process the, form and dimension punch - dies, and material to be used.

Keyword: flange, stainless steel, punch - dies, collar drawing, piercing