E = 1 of same h -> height of the sample. for Flow stress, servo jugorantic Pres DRAFT 20/05/2022 Can Plastomoter. nay be inherent in the ventical surface of an element or feature of a forging. Functions: easy removal of the forging from the die cavity. reasurement of the draft from vertical or anis of hammer or stroke of press. stroke of press. Tolerance is ± 1/2 oz ± 1° draft allowance manimum thickness of draft for a given draft ar height and this draft height is measured from facting line.

draft allowance Types of draft 1) Dentside draft (Enternal draft) 2) Inside draft (Internal draft) 3) Metchdraft (Blenddraft)
4) Natural draft 5) shift draft 6) Black droft. OF Point

External draft -Metal on External swiface has a tendency to state shrinkaway from the wall of the die cavity. Internal doubt. metal on internal swiface will have a tendency to shrink towards the die projection. That's why, Internal door is always rept larger than enternal dooft. Match d-raft (Blend about) when unsymmet of car of bs meet at, the parting line, then there is standard practice to increase the draft on the shallower, die in order to meet the two draft at the parting line in one point. standard Jonath doubt

4) Natural Draft. 5) Shift d-raft 7 web 6) Back draft gt is a form of shift d'oraft. · presdie Manner dies Protessal Internal Enternal Internal Back d-suft At. Alloy Steef 5-7. 7-11 3-5 5-4 To alloys Because + 1/2 or ± 1 Selection of deraft 1) The forging material 2) Forging equipment 3) Height/depth from the partingline (Greowetry of the foreging) 30 Medium i Ti alloys Fillet and couner Radous Corner - is a conver are which to joint two intersecting side tanguting. fillet is a concave are - that joins such that is < 180°. enternal angle b/w them Diffe Fillet and corner fillet and corner radius should be as large as possible. very generous. cause fillet and corner radie they change the direction of metal flow gradually instead of aboutly. Value F. and C radii depends i) Forging maderials ii) relight of forging ii) relight/depth from the Pariting

Role of corner in metal flow vertical Top Top is flat Top is flat with less radius. ruterial required I-Man. wad required I min Die life I-Man Preferred design is II.

Fillet-radius can be reduced by Soy. if you have design one mor impresession (blocker). Impresession (blocker). Fillet rallius 1" to 1/2" to 1/4

single Imj Rib hto web is thin Rib & web Design Gwall like plate Function of webig . To fill die cavity Projection which provide spacer for attaching another Clement.

is centrally located Rib t) w pereure
filled by Entrusion

Tt process (ii) Rib located at stole with parting edge with parting ebig Direct entrusion Process Rib (iii) Rib in the edgethe with parting radius should be very large more no of preform will be required. Two reason thismer section you will find that temp. I sop is fast, and croack will occur due to work hardening.

ii) more surface arey, more friction, more load, more energy reprired.

The Emd-