Juesday Jillings pérations 2 R20/1317/33 1) Hand fice :> Rectangular un section and tapered in thickness but parallel in width. The taces carry double aut Seethand one of the edger single aut. The Other edge, known at O soft Pedge, class not have dry teeth and this file is also known as · saje edglefile. 2) Fat file:-> → Et is rectangular in Section and Tapered for I've length in width and thickness towards the top. The faces carry double cut beeth and the edges carry single cul beeth 3) Square Holes This file is especially used to remove the material from the firstle corners which are at right angles 4) Three Square file: It is of equilateral triong -ular in section land tapers toward the tip. The faces are double cut and the edge sharp they recessed to file augular hole and

Parth-John 5.) Round file: 2K20/B17/33 It is tapered for 43 length with double cut on clarge course graces It is used for filling out nound elliptical and Covered openings. 6) Hay-Round file:-To remove the material from the Semi-courters section components fillings (ben Drons 1) Chapping Removing the metal with a chisel is called chipping and is normally used where 0 machining is not possible while chipping safety goggles must be put on to protect eyes from the Hying chaps to ensure safety of others, a thip guard is placed in There are several methods of filling, each with a specific purpose with hoperence to the 2) / Plings

1 Holding the file => for heavy work and to namera Mone metal a high pressure is used for PARTH JOURS 2K20/B17/33 light pressure is applied. Filling Interval wwwes: A part of half nound
file only makes contact as shown during
filling operation 3 Cross liling:-) Stibthemost common method of Jiling. Gws6 Gilings is carried out across the Magonals 2 to Operaduce medium Seraface finish. It is used when lærge amounts of metal is to be removed by cross for ling rounding the surface is removed *AStoralght filling:-) When a shoot length of surface straight filing is used. Tile nemoved to peroduce a relatively scroother surface Edram filing - It is done to got finely Timished Sungace. It produces a smoother surface finish them straight filling of smooth of dead smooth that I file is used for a) Illing Internal 6) Cress flow

PARTH JOHRI 2020/817/33 Daming Operation: Metal Camingus done by hack sack, & frackum is a fine tooth saw with a blade under tenson in a frame, used for cutting materials such as moral og bone Hand I hold hack saus consist of a metal archimity a handle, usually Tapistoil grip with pursof attacking a naviou disposable blade A screw for other mechanism is used to put the the black under tension The black can be mounted with the teeth facing toward by among from the handle, I resulting is cutting cook on on of the push on pall stocke I On the push stocke, the Inch will tlex saghtly, decreasing the tension on the blade Dunching Operation: Functing Speration; push through the material and into a die to weate a hole in the work prece. A some Slug from the hole is deposited into the delication process. Depending on the material licing punched this shootmay be recycled and reused to discorded. The hole walls will

Show furnished covece, en ollover, and dhe beneak and must often be further perocessed hunching is often the cheapest method for creating holes is Sheet metal in meduin to high pol Dilling Operation 3) 2K26/B17/33 leid to out or enlarge a hole in solid material These dealls his is a multipoint and cutting tool. It cuts by applying pressure and notations to the work precentile on yours chips at the culting edge. Marking Measurings: edocurate mosking in the first Step and the methods and Instruments used are common en all fitting horks. Measure-ments are taken either trom a finished edge or trama centre line