

Christrapas Shahu Maharaj Shikshan Sanstha's

CHH. SHAHU COLLEGE OF ENGINEERING

Kanchanwadi, Paithan Road, Aurangabad

Des

I delidy of Types of whips

The various types of schips in motal

Jypu of chips

Colleman Directions

Continue Chips

3 Continuous chips formed during of the metal chips formed during machining us reithout segments in without breakage , than we us called as continuous types of whips

continuous whips are formed when the ductile material its machined with high witting speed and minimum fruition testimen the whip &



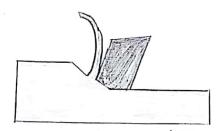
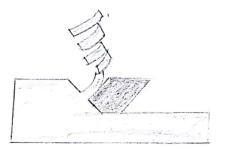


fig: continuous chips.



tig: Dis-continuous chips

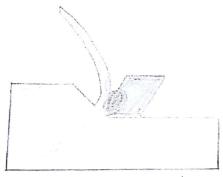


fig: Built up Edge



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The conditions which are responsible for The formation of wantinens types of this are Biggins aske angle of the tool . of edigh culling sprind (4) Manimum frietier between the whip & V) anall digth of test idalvantages The gormation of continuous whips during machining throws has the following advantages · Bellex Ruspec finish to the ductile material · Less heats generation due to uninversion friction deturn the deal face and while · Sour former regression e tong look like due to the more & fearer 2. Diesordinuous chips of the whips formed during machining process is not continuous i.e. formed with brinkogoust realled discontinuous whips



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Discordinuous types of whips are sproved review hard and strittle metals like some stronge and cost vion is markined.

Corditions which are reparable for the formation of discontinuous whips are Lour feed rate

1) donall rake angle of the track

High westling Greed

iv) soigh friction forces at the this tool interface V) Ico much dith of web.

Advantages

The formalian of directioners office of which are shrelle materials fravious good durfoce finish. increases the town life and reduce the consumption of powers

Disaction to ges rester discontinuous whips are formed up the duetile materials, the workfree result in fras Sweper finish and excusive recor of team of the doel take place



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I Continuous thing with Built up Edger Continuous whipe with built up edge in found my machining ductile material with shigh fritten at the chip tool interface It is dividan its the continuous type of chips but it is of less smoothness due to the built up edge, when the this is flows in represent desiction and high fuction is exist in dutinees the unterface of the chip and dool. Due to the high friction between the chip and dool a very witness heat is generated at the war of the tool . The compressed motal adjust to the test new gets wilded to it. This companied motal welded to the cross is realled built up edger when the this place through this will up also, it got proper and carried many they the white and realled as well my edge whops, the best of the live up edge it adhere to the Surgeres of the most fire and make it sough ourte primation of the lively up edge the reke angle of the look gets changed and so in the telling



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The fectors which are suspensible for preme the fermation of the BUE whips are	ling
10) Low culling affect.	
idduantages. The making of the BUE has one advan	
demaged from high striction and tempera generated devising inaching fraces and high	tura
The formation of these dyfu of white the school of the formation of these dinish , whongo the sake angle and witting forces.	10