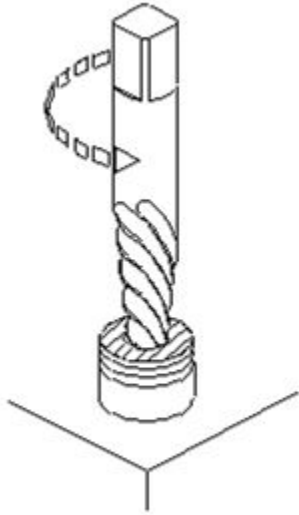


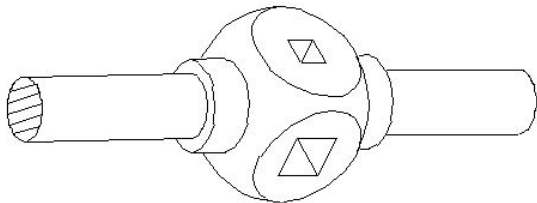
1). Which method of removing broken stud is shown in the figure?



- (A) Ezy-out
- (B) Prick punch
- (C) Making drill hole
- (D) Using square taper punch

Correct Answer: A

2). What is the name of the tap wrench shown in the figure?



- (A) Box type tap wrench
- (B) Solid type tap wrench
- (C) 'T' Handle tap wrench
- (D) Adjustable tap wrench

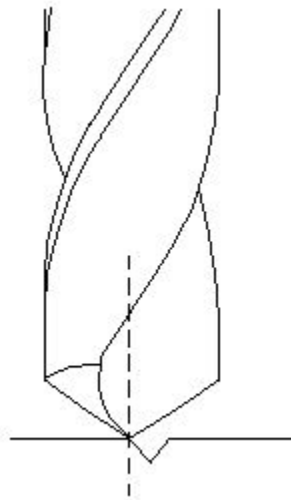
Correct Answer: B

3). Which angle is determined by the helix angle in the drill bit?

- (A) Point angle
- (B) Rake angle
- (C) Chisel angle
- (D) Clearance angle

Correct Answer: B

4). Which drilling defect is shown in the figure?



- (A) Unequal lip length
- (B) Unequal point thinning
- (C) Drill point not in the centre
- (D) Unequal flow of chips

Correct Answer: C

5). How the damaged threads are repaired?

- (A) By using die nut
- (B) By using button die
- (C) By using half die
- (D) By using circular split die

Correct Answer: A

6). Which letter specifies the largest diameter of the letter drill?

- (A) A
- (B) M
- (C) Z
- (D) O

Correct Answer: C

7). What is the purpose of clearance angle in twist drill?

- (A) To prevent rough holes
- (B) To prevent oversized holes
- (C) To prevent unequal angle of cutting edges
- (D) To prevent drill friction behind the cutting edges

Correct Answer: D

8). Calculate the RPM for a HSS drill, diameter is 24 mm and the cutting speed is 30 m/min.

- (A) 253 RPM
- (B) 423 RPM
- (C) 538 RPM
- (D) 398 RPM

Correct Answer: D

9). What is the effect, if the clearance angle of drill is more than the recommended?

- (A) Larger hole size
- (B) Rough surface finish
- (C) Weakened cutting edge

(D) Chattering of drill

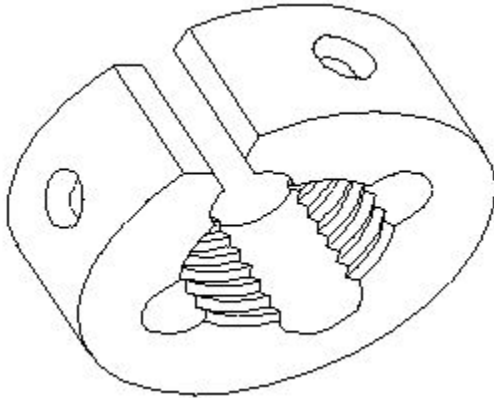
Correct Answer: C

10). Which decides the point angle of the drill?

- (A) Drill material
- (B) Job material
- (C) Cutting speed
- (D) Size of the drill

Correct Answer: B

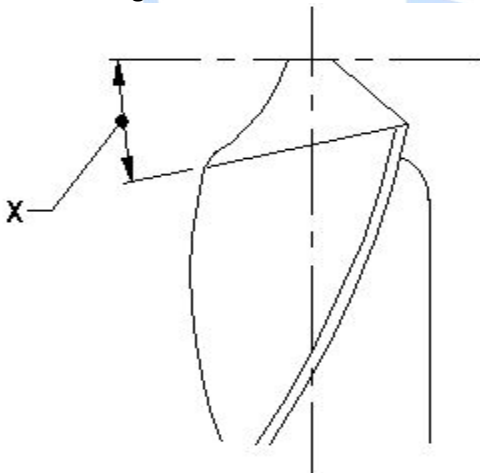
11). What is the name of the die shown in the figure?



- (A) Circular split die
- (B) Half die
- (C) Die nut
- (D) Adjustable screw plate die

Correct Answer: A

12). What is the name of the angle marked as 'X' shown in the figure?



- (A) Chisel angle
- (B) Rake angle
- (C) Point angle
- (D) Lip clearance angle

Correct Answer: D

13). What is the purpose of providing chamfer at the end of the taps?

- (A) For holding and turning of tap
- (B) To form the cutting edges

(C) To assist and align

(D) For easy chip removal

Correct Answer: C

14). What is the name of the angle marked as 'X' shown in the figure?



- (A) Tapper lead angle
- (B) Bevel angle
- (C) Helix angle
- (D) Clearance angle

Correct Answer: C

15). Which tool is used to rotate the die nut during the reconditioning of damaged threads?

- (A) Spanner
- (B) Die holder
- (C) Tap wrench
- (D) Allen key

Correct Answer: A

16). What is the purpose of type "N" twist drills?

- (A) Used for hard material
- (B) Used for brittle material
- (C) Used for soft and tough material
- (D) Used for normal low carbon steel

Correct Answer: D

17). What is the name of the die that has a slot cut to permit slight variation in size?

- (A) Die nut
- (B) Circular split die
- (C) Half die

(D) Adjustable screw plate die

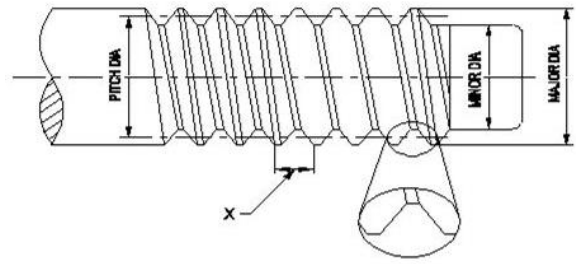
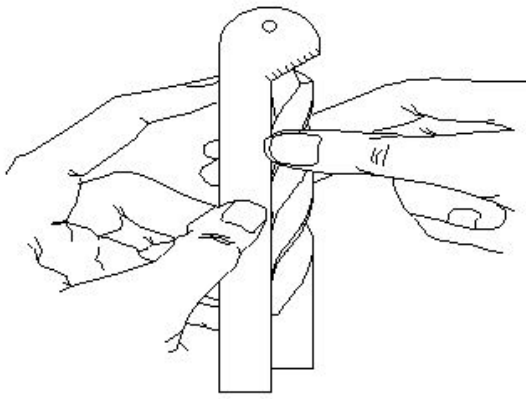
Correct Answer: B

18). Which operation enlarges the hole for a given depth?

- (A) Reaming
- (B) Spot facing
- (C) Counter boring
- (D) Counter sinking

Correct Answer: C

19). What is the name of the gauge shown in the figure?



- (A) Standard wire gauge
- (B) Template
- (C) Drill angle gauge D
- (D) Snap gauge

Correct Answer: C

20). Why hand reamers are provided with uneven spacing of teeth?

- (A) To reduce chattering
- (B) To remove more metals
- (C) To increase the efficiency
- (D) To increase the tool of the life

Correct

Answer: A

21). Calculate the blank size for preparing a bolt of M12 X1.75 using die.

- (A) 1.8 mm
- (B) 11 mm
- (C) 0.5 mm
- (D) 1.5 mm

Correct Answer: A

22). What is the size of the Letter 'A' drill?

- (A) 6.045 mm
- (B) 6.147 mm
- (C) 5.944 mm
- (D) 6.248 mm

Correct Answer: C

23). Which process refers to the finishing of drilled hole?

- (A) Reaming
- (B) Spot facing
- (C) Counter boring
- (D) Counter sinking

Correct Answer: A

24). What is the name of the element marked as 'X' shown in the figure?

- (A) Root
- (B) Lead
- (C) Pitch
- (D) Flank

Correct Answer: C

25). Which method is suitable to remove the broken stud that is very near to the surface?

- (A) Ezy out method
- (B) Making drill hole
- (C) Prick punch method
- (D) Using square taper punch

Correct Answer: C

