

Instruction Sheet for the Candidate

Qualification	Agricultural Machinery helper (Level-2)
Competency Standard	Perform Drilling Machine operations
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____
	Registration/Roll Number_____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Produce holes using drilling machine 2. Perform counter boring and counter sinking 3. Perform machine Reaming
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>1. Produce holes using drilling machine</p> <ol style="list-style-type: none"> 1. Observe personal and work place safety. 2. Set up drilling machine for producing holes according to a job requirement. 3. Manipulate machine tool controls safely and correctly in line with operational procedures. 4. Produce components to the required quality and within the specified dimensional accuracy. 5. Carry out quality sampling checks at suitable intervals. 6. Shut down the equipment to a safe condition file <p>2. Perform counter boring and counter sinking</p> <ol style="list-style-type: none"> 1. Select relevant tools according to information given in engineering drawings and job specifications. 2. Ensure tooling is correct in terms of size, shape, type, and grade in order to perform the job / work. 3. Position work-piece in the drill in such a way that it is aligned, secured and stable during drilling. 4. Adjust speeds and feeds of drill according to size, type, and hardness of work-piece material, in order to performs optimum cutting without damage to work-piece.

	<p>3.Perform machine Reaming</p> <ol style="list-style-type: none"> 1. Observe personal and workplace safety. 2. Clamp work-piece in vice properly. 3. Select reamer according to hole's size and drawing requirements 4. Set reamer in drill chuck according to procedure. 5. Use lubricants during reaming for smooth cutting. 6. . Ensure proper alignment of reamer during operations
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery helper (Level-2)
Competency Standard	Perform Drilling Machine operations
Purpose of Assessment	Formative Assessment
Assessment Task	1. Produce holes using drilling machine 2. Perform counter boring and counter sinking 3. Perform machine Reaming

I can.....

Performance Criteria	Yes	No
1. Observe personal and work place safety.	<input type="checkbox"/>	<input type="checkbox"/>
2. Set up drilling machine for producing holes according to a job requirement.	<input type="checkbox"/>	<input type="checkbox"/>
3. Manipulate machine tool controls safely and correctly in line with operational procedures.	<input type="checkbox"/>	<input type="checkbox"/>
4. Produce components to the required quality and within the specified dimensional accuracy.	<input type="checkbox"/>	<input type="checkbox"/>
5. Carry out quality sampling checks at suitable intervals.	<input type="checkbox"/>	<input type="checkbox"/>
6. Shut down the equipment to a safe condition	<input type="checkbox"/>	<input type="checkbox"/>
7. Select relevant tools according to information given in engineering drawings and job specifications.	<input type="checkbox"/>	<input type="checkbox"/>
8. Ensure tooling is correct in terms of size, shape, type, and grade in order to perform the job / work.	<input type="checkbox"/>	<input type="checkbox"/>
9. Position work-piece in the drill in such a way that it is aligned, secured and stable during drilling.	<input type="checkbox"/>	<input type="checkbox"/>
10. Adjust speeds and feeds of drill according to size, type, and hardness of work-piece material, in order to performs optimum cutting without damage to work-piece.	<input type="checkbox"/>	<input type="checkbox"/>

11. Observe personal and workplace safety.	<input type="checkbox"/>	<input type="checkbox"/>
12. Clamp work-piece in vice properly.	<input type="checkbox"/>	<input type="checkbox"/>
13. Select reamer according to hole's size and drawing requirements	<input type="checkbox"/>	<input type="checkbox"/>
14. Set reamer in drill chuck according to procedure.		
15. Use lubricants during reaming for smooth cutting.		
16. Ensure proper alignment of reamer during operations		

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	Agricultural Machinery helper (Level-2)
Competency Standard	Perform Drilling Machine operations
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task		1. Produce holes using drilling machine 2. Perform counter boring and counter sinking 3. Perform machine Reaming		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Observe personal and work place safety.			
2.	Set up drilling machine for producing holes according to a job requirement.			
3.	Manipulate machine tool controls safely and correctly in line with operational procedures.			
4.	Produce components to the required quality and within the specified dimensional accuracy.			
5.	Carry out quality sampling checks at suitable intervals.			
6.	Shut down the equipment to a safe condition			
7.	Select relevant tools according to information given in engineering drawings and job specifications.			
8.	Ensure tooling is correct in terms of size, shape, type, and grade in order to perform the job / work.			
9.	Position work-piece in the drill in such a way that it is aligned, secured and stable during drilling.			
10.	Adjust speeds and feeds of drill according to size, type, and hardness of work-piece material, in order to performs optimum cutting without damage to work-piece.			
11.	Observe personal and workplace safety.			
12.	Clamp work-piece in vice properly.			
13.	Select reamer according to hole's size and drawing requirements			
14.	Set reamer in drill chuck according to procedure.			
15.	Use lubricants during reaming for smooth cutting.			

16.	Ensure proper alignment of reamer during operations			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agricultural Machinery helper (Level-2)
Competency Standard	Perform Drilling Machine operations
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-between; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	Satisfactory	Not Satisfactory
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1.	How can you adjust the speed of pedestal drill machine?		
2.	How you can drill on round job?		
3.	How you can fix the job on pedestal drill machine?		

Feedback to the Candidate	
Candidate's Signature _____ Assessor's Signature _____	