

Demonstrate Selecting the Correct Fasteners and Locking Application Maintenance and Repair of Heavy Equipment

Skill Number CO-OP15GN107

Full Name: Dimas Surya H.M

No ID: _____

Validation Date: 16 / 12 / 2025

School: SMKN 1 Singosari

PERFORMANCE TASK:

Given several fasteners and the necessary tools, as listed:

- Castillated nut
- Circlips
- Clevis Pin
- Flat Washer
- Spring Washer
- Star Washers
- Self-tapping screw
- Stud
- Wing nut
- Woodruff key
- Lockwire
- Bolt
- Nut
- Thread Lubricant and other Adhesives

The student must identify and explain their function. Student will be required to answer questions on their fr student will also be required to complete relevant workplace documentation and is to always observe the c procedures.

Students are required to fill out this form, in the appropriate place, indicating that an inspection of comp occurred and their decision, after inspection is recorded

The student must be able to perform the following task:

- Demonstrate identify and explain the function of provided fasteners and necessary tools.
- Perform communication & etiquette manner

Safety and Contamination Control must be always applied to this process. Literature and measuring tools available but will not be provided directly to the student.

Prerequisite	Yes	No	N/A	Hin
The student must complete the knowledge assessment. Minimum passing grade 80%.	✓			Score faster or subject.

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Prepare related literature	✓			Observe if the candidate is preparing Manufacturer's literature related to the task
Prepare required equipment	✓			Observe if the candidate is preparing related tools (e.g.: Thread Identification Kit, etc.)
Prepare related tools	✓			Observe if the candidate is preparing related Safety & CC Equipment (e.g.: PPE, Blue Towel, Plastic Wrap, etc.)
Prepare Safety & Contamination Control equipment	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner when starting the job				
Meet the customer / assessor	✓			
Perform etiquette/manner when opening the interaction.	✓			• Perform smile & greetings. • Introduce Student's identity
Explain the purpose of Student's activity.	✓			
Ask permission to perform the job.	✓			

Tasks	Complete			Observation / Hints
	Yes	No	N/A	
Thread Identification				
UNC	✓			Determine thread size
UNF	✓			Determine thread size
Whitworth	✓			Determine thread size
Metric	✓			Determine thread size
AF	✓			Determine thread size
BSW	✓			Determine thread size

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform close the job by ensuring all systems or conditions is in the standard condition				
Ensure all systems or conditions are in standard condition.	✓			<ul style="list-style-type: none"> Find the improper condition. Communicate the finding to the customer/assessor.

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Reporting				
All relevant documentation completed correctly and approved by customer (if required).	✓			<ul style="list-style-type: none"> Completing the Task List Completing Measurement Form/Related Check Sheet, if required Create Service Report (SIMS), if required Create SPR, if required Documenting the failed or damaged parts, if required Provide Technical Analysis Report/Failure Analysis Report, if required.

Tasks	Check			Observation / Hints
	Yes	No	N/A	
Identification				
1. Accessing Information	✓			Observe if the candidate accessing information task from manufacturer literature
2. Castellated Nut	✓			Identify Name, Application Part Number
3. Circlip	✓			Identify Name, Application Part Number
4. Clevis Pin	✓			Identify Name, Application Part Number
5. Flat washer	✓			Identify Name, Application Part Number
6. Spring washer	✓			Identify Name, Application Part Number
7. Star washer	✓			Identify Name, Application Part Number
8. Self-tapping screw	✓			Identify Name, Application Part Number
9. Stud	✓			Identify Name, Application Part Number
10. Wing nut	✓			Identify Name, Application Part Number
11. Woodruff key	✓			Identify Name, Application Part Number
12. Lockwire	✓			Identify Name, Application Part Number
13. Thread Lubricant & other Adhesives	✓			Explain the function where it used.

General Comments

Blank space for general comments.

RESULT: **COMPETENT** **NOT YET COMPETENT** (please check (!))

Student: **Diana Surya H-W** Date: **16/10/2025** Signature: *Diana*

Assessor: **Sh. ussa** Date: **22/10/2025** Signature: *Sh. ussa*

Supervisor: Name: _____ Date: _____ Signature: _____

Data Recorded: Name: _____ Date: _____ Signature: _____

Tasks	Completed		Observation / Hints
	Yes	No	
Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Using PPE related to the job	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Follows relevant Workplace Safety Guidelines (LOTO, Safety Equipment)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> Comply with safety regulations applied on the workplace
State and follow Safety Precautions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> Create Job Safety Analysis Student must follow safety protocol refer to service manual or SOP to job
Service man completes job without accident due to incorrect procedure using hand tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> Correct working position Correct hand tool related to
Tasks completed without damage equipment and tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Tasks	Completed		Observation / Hint
	Yes	No	
Contamination Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Environmental Practices & Housekeeping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ol style="list-style-type: none"> Waste is minimized, waste including sludge, solids and wastes are sorted and stored recycling or disposal Packaging of goods received and reused or disposed of Materials that can be reuse cleaned and stored Waste and scrap is remove workplace procedures All fluids are disposed of in with enterprise policies and

Tasks	Completed			Observation
	Yes	No	N/A	
Perform etiquette/manner after completing the job	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Perform etiquette/manner when closing the communication.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> Perform smile & greet Ask permission to the interaction.

Demonstrate Selecting the Correct Fasteners and Locking Application Maintenance and Repair of Heavy Equipment

Skill Number CO-OP15GN107

Full Name: Dinas Surjo HW

No. ID: _____

Validation Date: 16/12/2015

School: SMTN T Simpson

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Preparation				
Prepare related literature	✓			
Prepare required equipment				
Prepare related tools				
Prepare Safety & Contamination Control equipment				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner when starting the job				
Meet the customer / assessor				
Perform etiquette/manner when opening the interaction.				
Explain the purpose of Student's activity.				
Ask permission to perform the job.				

PERFORMANCE TASK:

Given several fasteners and the necessary tools, as listed:

- Castellated nut
- Circlips
- Clevis Pin
- Flat Washer
- Spring Washer
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- Self-tapping screw
- Stud
- Wing nut
- Woodruff key
- Lockwire
- Bolt
- Nut
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The student must identify and explain their function. Student will be required to answer questions on their fill student will also be required to complete relevant workplace documentation and is to always observe the correct procedures.

Students are required to fill out this form, in the appropriate place, indicating that an inspection of components occurred and their decision, after inspection is recorded

The student must be able to perform the following task:

- Demonstrate identify and explain the function of provided fasteners and necessary tools.
- Perform communication & etiquette manner

Safety and Contamination Control must be always applied to this process. Literature and measuring tools available but will not be provided directly to the student.

Prerequisite	Yes	No	N/A	Hint
The student must complete the knowledge assessment. Minimum passing grade 80%.				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Reporting All relevant documentation completed correctly and approved by customer (if required).				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Safety Using PPE related to the job				
Follows relevant Workplace Safety Guidelines (LOTO, Safety Equipment)				
State and follow Safety Precautions				
Service man completes job without accident due to incorrect procedure using hand tools.				
Tasks completed without damage equipment and tools				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Contamination Control				
Environmental Practices & Housekeeping				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform: etiquette/manner after completing the job				
Perform etiquette/manner when closing the communication.				

Tasks	Check			Observation / Hints
	Yes	No	N/A	
Identification				
1. Accessing Information				
2. Castlalled Nut				
3. Circlip				
4. Clevis Pin				
5. Flat washer				
6. Spring washer				
7. Star washer				
8. Self-tapping screw				
9. Stud				
10. Wing nut				
11. Woodruff key				
12. Lockwire				
13. Thread Lubricant & other Adhesives				

Tasks	Complete			Observation / Hints
	Yes	No	N/A	
Thread Identification				
UNC				
UNF				
Whitworth				
Metric				
AF				
BSW				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform close the job by ensuring all systems or conditions is in the standard condition				
Ensure all systems or conditions are in standard condition.				

General Comments

RESULT: COMPETENT NOT YET COMPETENT (please circle)

Student: Dinos Surja Hill 6/12/2025 [Signature]

Name Date Signature

Assessor: [Signature] 20/12/2024 [Signature]

Name Date Signature

Supervisor: _____ _____ _____

Name Date Signature

Data Recorded: _____ _____ _____

Name Date Signature

with work



LINE



Matrix



BSU

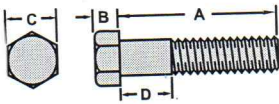


LINE



Bolts

Hex Head Bolts/Inch/UNC/Phosphate & Oil Coated



Thread Size (in - TPI)	A	B	C	D	Part Number
	Bolt Length	Head Height	Head Width	Grip Length	
Thread Size (in - TPI) 1/4 - 20					
1/4 - 20	3/8 in	0.19 in	0.44 in	0.06 in	0S-1613
1/4 - 20	1/2 in	0.19 in	0.44 in	0.06 in	0S-1614
1/4 - 20	5/8 in	0.19 in	0.44 in	0.13 in	2A-0762
1/4 - 20	3/4 in	0.19 in	0.44 in	0.13 in	0S-1615
1/4 - 20	7/8 in	0.19 in	0.44 in	0.13 in	4F-7957
1/4 - 20	1 in	0.19 in	0.44 in	0.13 in	0S-1616
1/4 - 20	1 1/8 in	0.19 in	0.44 in	0.37 in	9F-6580
1/4 - 20	1 1/4 in	0.19 in	0.44 in	0.13 in	7B-2742
1/4 - 20	1 3/8 in	0.19 in	0.44 in	0.63 in	2A-5546
1/4 - 20	1 1/2 in	0.19 in	0.44 in	0.25 in	9F-7022
1/4 - 20	1 5/8 in	0.19 in	0.44 in	0.87 in	7B-8167
1/4 - 20	1 3/4 in	0.19 in	0.44 in	1.00 in	1B-2713
1/4 - 20	2 in	0.19 in	0.44 in	1.13 in	8B-2377
1/4 - 20	2 1/4 in	0.19 in	0.44 in	1.37 in	1D-4533
1/4 - 20	2 1/2 in	0.19 in	0.44 in	1.75 in	1B-2714
1/4 - 20	2 3/4 in	0.19 in	0.44 in	2.00 in	2A-4781
1/4 - 20	3 in	0.19 in	0.44 in	2.00 in	4B-9365
1/4 - 20	3 1/4 in	0.19 in	0.44 in	2.50 in	8F-8178
1/4 - 20	4 in	0.19 in	0.44 in	3.25 in	8S-4710
1/4 - 20	4 1/2 in	0.19 in	0.44 in	3.75 in	8S-4711
1/4 - 20	4 3/4 in	0.19 in	0.44 in	4.00 in	4L-3776
1/4 - 20	6 in	0.19 in	0.44 in	5.25 in	1B-2718
1/4 - 20	6 1/2 in	0.19 in	0.44 in	5.50 in	4N-1761
1/4 - 20	Nut	-	-	-	9S-8750
1/4	Washer	-	-	-	5P-0537
Thread Size (in - TPI) 5/16 - 18					
5/16 - 18	1/2 in	0.24 in	0.50 in	0.06 in	1C-0569
5/16 - 18	5/8 in	0.24 in	0.50 in	0.13 in	2H-3755
5/16 - 18	3/4 in	0.24 in	0.50 in	0.13 in	0S-1617
5/16 - 18	7/8 in	0.24 in	0.50 in	0.13 in	2B-2695
5/16 - 18	1 in	0.24 in	0.50 in	0.13 in	0S-1618
5/16 - 18	1 1/8 in	0.24 in	0.50 in	0.25 in	4B-3388
5/16 - 18	1 1/4 in	0.24 in	0.50 in	0.37 in	1B-7182
5/16 - 18	1 3/8 in	0.24 in	0.50 in	0.50 in	1B-2790
5/16 - 18	1 1/2 in	0.24 in	0.50 in	0.09 in	1A-9579
5/16 - 18	1 5/8 in	0.24 in	0.50 in	0.75 in	1H-5514
5/16 - 18	1 3/4 in	0.24 in	0.50 in	0.87 in	1B-9575
5/16 - 18	2 in	0.24 in	0.50 in	1.13 in	2B-2694
5/16 - 18	2 1/4 in	0.24 in	0.50 in	1.37 in	1D-4538
5/16 - 18	2 1/2 in	0.24 in	0.50 in	1.63 in	1D-4539

Thread Size (in - TPI)	A	B	C	D	Part Number
	Bolt Length	Head Height	Head Width	Grip Length	
5/16 - 18	2 3/4 in	0.24 in	0.50 in	1.87 in	1D-4540
5/16 - 18	3 in	0.24 in	0.50 in	2.13 in	1D-4541
5/16 - 18	3 1/4 in	0.24 in	0.50 in	2.25 in	1F-5842
5/16 - 18	3 1/2 in	0.24 in	0.50 in	2.63 in	1F-4111
5/16 - 18	3 3/4 in	0.24 in	0.50 in	2.75 in	4B-0831
5/16 - 18	4 in	0.24 in	0.50 in	3.00 in	4B-3903
5/16 - 18	4 1/4 in	0.24 in	0.50 in	3.37 in	8H-8769
5/16 - 18	4 1/2 in	0.24 in	0.50 in	3.63 in	3H-5932
5/16 - 18	4 3/4 in	0.24 in	0.50 in	3.87 in	3H-3243
5/16 - 18	5 1/2 in	0.24 in	0.50 in	4.63 in	5L-1761
5/16 - 18	5 3/4 in	0.24 in	0.50 in	4.87 in	8M-1865
5/16 - 18	6 1/2 in	0.24 in	0.50 in	5.37 in	4F-3508
5/16 - 18	Nut	-	-	-	5S-0003
5/16	Washer	-	-	-	9M-1974
Thread Size (in - TPI) 3/8 - 16					
3/8 - 16	1/2 in	0.29 in	0.56 in	0.09 in	4F-4879
3/8 - 16	5/8 in	0.29 in	0.56 in	0.09 in	0T-0102
3/8 - 16	3/4 in	0.29 in	0.56 in	0.13 in	0S-0509
3/8 - 16	7/8 in	0.29 in	0.56 in	0.13 in	0L-1351
3/8 - 16	1 in	0.29 in	0.56 in	0.13 in	0S-1594
3/8 - 16	1 1/8 in	0.29 in	0.56 in	0.31 in	1A-2029
3/8 - 16	1 1/4 in	0.29 in	0.56 in	0.25 in	0S-1588
3/8 - 16	1 3/8 in	0.29 in	0.56 in	0.37 in	3B-1915
3/8 - 16	1 5/8 in	0.29 in	0.56 in	0.87 in	2A-4639
3/8 - 16	1 7/8 in	0.29 in	0.56 in	1.06 in	1C-2251
3/8 - 16	2 in	0.29 in	0.56 in	1.00 in	0S-1590
3/8 - 16	2 1/4 in	0.29 in	0.56 in	1.25 in	0L-2070
3/8 - 16	2 1/2 in	0.29 in	0.56 in	1.50 in	0L-1143
3/8 - 16	2 3/4 in	0.29 in	0.56 in	1.75 in	0T-0573
3/8 - 16	3 in	0.29 in	0.56 in	2.00 in	0S-1619
3/8 - 16	3 1/4 in	0.29 in	0.56 in	2.25 in	0L-1352
3/8 - 16	3 1/2 in	0.29 in	0.56 in	2.50 in	0T-0065
3/8 - 16	3 3/4 in	0.29 in	0.56 in	2.50 in	0S-1608
3/8 - 16	4 in	0.29 in	0.56 in	3.00 in	8S-9191
3/8 - 16	4 1/4 in	0.29 in	0.56 in	3.25 in	0T-0055
3/8 - 16	4 1/2 in	0.29 in	0.56 in	3.25 in	1A-5964
3/8 - 16	4 3/4 in	0.29 in	0.56 in	3.75 in	1A-5183
3/8 - 16	5 in	0.29 in	0.56 in	4.00 in	5B-9603
3/8 - 16	5 1/4 in	0.29 in	0.56 in	4.25 in	5B-2638
3/8 - 16	5 1/2 in	0.29 in	0.56 in	4.50 in	5F-4899
3/8 - 16	5 3/4 in	0.29 in	0.56 in	4.75 in	7F-3425

Bolts

Hex Head Bolts/Metric/Coarse Thread/Zinc Plated (Cont'd.)

Thread Size (dia x pitch)	A	B	C	D	Part Number
	Bolt Length	Head Height	Head Width	Grip Length	
M8 x 1.25	20 mm	6 mm	13 mm	3 mm	8T-4189
M8 x 1.25	25 mm	6 mm	13 mm	3 mm	8T-4908
M8 x 1.25	35 mm	6 mm	13 mm	13 mm	7X-2537
M8 x 1.25	40 mm	6 mm	13 mm	3 mm	8T-4197
M8	Washer	-	-	-	8T-4224
Thread Size (dia x pitch) M10 x 1.50					
M10 x 1.50	12 mm	7 mm	16 mm	5 mm	7X-2621
M10 x 1.50	16 mm	7 mm	16 mm	5 mm	8T-4191
M10 x 1.50	20 mm	7 mm	16 mm	5 mm	8T-4137
M10 x 1.50	25 mm	7 mm	16 mm	5 mm	8T-4136
M10 x 1.50	30 mm	7 mm	16 mm	5 mm	8T-4195
M10 x 1.50	35 mm	7 mm	16 mm	5 mm	8T-4196
M10 x 1.50	40 mm	7 mm	16 mm	14 mm	8T-4186
M10 x 1.50	45 mm	7 mm	16 mm	19 mm	8T-4182
M10 x 1.50	50 mm	7 mm	16 mm	24 mm	8T-4185
M10 x 1.50	60 mm	7 mm	16 mm	34 mm	8T-6466
M10 x 1.50	70 mm	7 mm	16 mm	44 mm	8T-5005
M10 x 1.50	80 mm	7 mm	16 mm	54 mm	8T-4172
M10 x 1.50	90 mm	7 mm	16 mm	64 mm	8T-4178
M10 x 1.50	100 mm	7 mm	16 mm	74 mm	8T-4198
M10 x 1.50	110 mm	7 mm	16 mm	84 mm	8T-6685
M10 x 1.50	120 mm	7 mm	16 mm	94 mm	7X-2543
M10 x 1.50	130 mm	7 mm	16 mm	98 mm	8T-5436
M10 x 1.50	140 mm	7 mm	16 mm	108 mm	7X-2544
M10 x 1.50	150 mm	7 mm	16 mm	118 mm	7X-2545
M10 x 1.50	160 mm	7 mm	16 mm	128 mm	8T-6408
M10 x 1.50	180 mm	7 mm	16 mm	148 mm	7X-2546
M10 x 1.50	200 mm	7 mm	16 mm	168 mm	7X-2547
M10 x 1.50	Nut	-	-	-	8T-4133
M10	Washer	-	-	-	8T-4121
Thread Size (dia x pitch) M12 x 1.75					
M12 x 1.75	16 mm	8 mm	18 mm	5 mm	7X-2548
M12 x 1.75	20 mm	8 mm	18 mm	5 mm	8T-4179
M12 x 1.75	25 mm	8 mm	18 mm	5 mm	8T-4192
M12 x 1.75	30 mm	8 mm	18 mm	5 mm	8T-4139
M12 x 1.75	35 mm	8 mm	18 mm	5 mm	8T-4956
M12 x 1.75	40 mm	8 mm	18 mm	5 mm	8T-4183
M12 x 1.75	45 mm	8 mm	18 mm	15 mm	8T-4184
M12 x 1.75	50 mm	8 mm	18 mm	20 mm	8T-4194
M12 x 1.75	60 mm	8 mm	18 mm	30 mm	8T-4910
M12 x 1.75	70 mm	8 mm	18 mm	40 mm	8T-4648
M12 x 1.75	80 mm	8 mm	18 mm	50 mm	8T-6868
M12 x 1.75	90 mm	8 mm	18 mm	60 mm	8T-4176
M12 x 1.75	100 mm	8 mm	18 mm	70 mm	7X-2549
M12 x 1.75	110 mm	8 mm	18 mm	80 mm	7X-2550
M12 x 1.75	120 mm	8 mm	18 mm	90 mm	8T-5041
M12 x 1.75	130 mm	8 mm	18 mm	94 mm	8T-5001
M12 x 1.75	140 mm	8 mm	18 mm	104 mm	8T-5412
Thread Size (dia x pitch) M12 x 1.75					
M12 x 1.75	150 mm	8 mm	18 mm	114 mm	8T-5092
M12 x 1.75	160 mm	8 mm	18 mm	124 mm	8T-7930
M12 x 1.75	180 mm	8 mm	18 mm	144 mm	8T-7929
M12 x 1.75	200 mm	8 mm	18 mm	147 mm	7X-2551
M12 x 1.75	Nut	-	-	-	8T-4244
M12	Washer	-	-	-	8T-4223
Thread Size (dia x pitch) M16 x 2.00					
M16 x 2.00	25 mm	10 mm	24 mm	4 mm	8T-4190
M16 x 2.00	30 mm	10 mm	24 mm	3 mm	7X-2552
M16 x 2.00	35 mm	10 mm	24 mm	4 mm	8T-4779
M16 x 2.00	40 mm	10 mm	24 mm	5 mm	7X-2553
M16 x 2.00	45 mm	10 mm	24 mm	5 mm	8T-7338
M16 x 2.00	50 mm	10 mm	24 mm	12 mm	8T-4193
M16 x 2.00	60 mm	10 mm	24 mm	22 mm	8T-4140
M16 x 2.00	70 mm	10 mm	24 mm	32 mm	7X-2554
M16 x 2.00	80 mm	10 mm	24 mm	42 mm	7X-2555
M16 x 2.00	90 mm	10 mm	24 mm	52 mm	8T-4175
M16 x 2.00	100 mm	10 mm	24 mm	56 mm	7X-2556
M16 x 2.00	110 mm	10 mm	24 mm	72 mm	8T-4173
M16 x 2.00	120 mm	10 mm	24 mm	82 mm	8T-4174
M16 x 2.00	130 mm	10 mm	24 mm	86 mm	7X-2475
M16 x 2.00	140 mm	10 mm	24 mm	96 mm	7X-2557
M16 x 2.00	150 mm	10 mm	24 mm	106 mm	7X-2558
M16 x 2.00	160 mm	10 mm	24 mm	116 mm	7X-2559
M16 x 2.00	180 mm	10 mm	24 mm	136 mm	8T-6385
M16 x 2.00	200 mm	10 mm	24 mm	156 mm	8T-6383
M16 x 2.00	Nut	-	-	-	8T-4132
M16	Washer	-	-	-	8T-4122
Thread Size (dia x pitch) M20 x 2.50					
M20 x 2.50	30 mm	13 mm	30 mm	4 mm	8T-4780
M20 x 2.50	35 mm	13 mm	30 mm	4 mm	7X-2561
M20 x 2.50	40 mm	13 mm	30 mm	5 mm	8T-5460
M20 x 2.50	45 mm	13 mm	30 mm	6 mm	7X-2562
M20 x 2.50	50 mm	13 mm	30 mm	4 mm	8T-6430
M20 x 2.50	60 mm	13 mm	30 mm	14 mm	7X-2563
M20 x 2.50	70 mm	13 mm	30 mm	24 mm	8T-4141
M20 x 2.50	80 mm	13 mm	30 mm	34 mm	8T-4187
M20 x 2.50	90 mm	13 mm	30 mm	44 mm	7X-2564
M20 x 2.50	100 mm	13 mm	30 mm	54 mm	7X-2565
M20 x 2.50	110 mm	13 mm	30 mm	64 mm	7X-2566
M20 x 2.50	120 mm	13 mm	30 mm	74 mm	8T-6381
M20 x 2.50	130 mm	13 mm	30 mm	78 mm	7X-2532
M20 x 2.50	140 mm	13 mm	30 mm	88 mm	8C-6478
M20 x 2.50	150 mm	13 mm	30 mm	98 mm	8T-4170
M20 x 2.50	160 mm	13 mm	30 mm	108 mm	7X-2488
M20 x 2.50	180 mm	13 mm	30 mm	128 mm	7X-2568
M20 x 2.50	200 mm	13 mm	30 mm	148 mm	7X-2569
M20 x 2.50	Nut	-	-	-	8T-4131