

1. Title	Assemble and disassemble bearing installations
2. Code	EMPEIN214A
3. Range	Perform general assembly and disassembly of bearing installations in general industrial plants, power plants or other places
4. Level	2
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Assembling structure and basic working principle of bearing installations</p> <ul style="list-style-type: none"> <li>◆ Understand the identification of general bearing installations (including load bearings, thrust bearings, rolling bearings, sliding bearings, copper bush bearing, etc. and the relationship of components in assembly ( such as the matching of gaps )</li> <li>◆ Understand the functions of various types of bearing systems in shafting, including the loading capacity and direction</li> </ul> <p>6.2 Methods and procedures of assembling bearing installations</p> <ul style="list-style-type: none"> <li>◆ Know about the principles and procedures of assembling bearings, and use general bearing assembly and disassembly instruments and tools properly to perform: <ul style="list-style-type: none"> <li>• Positioning of bearing fastenings</li> <li>• Inspection of bearing backlash and shafting centering</li> <li>• Assembly to the precision requirements for the bearing (bush bearing) and shaft and bearing pedestal</li> </ul> </li> <li>◆ Select appropriate bearings</li> <li>◆ Select and use appropriate tools properly</li> </ul> <p>6.3 Professionalism in assembling and disassembling bearing installations</p> <ul style="list-style-type: none"> <li>◆ Follow the drawings and engineering requirements to perform assembly and disassembly of bearing installations</li> <li>◆ Follow the safety requirements for work, requirements of the codes of practice and manufacturers' installation guidelines to perform assembly and disassembly of bearing installations</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to assemble and disassemble bearing installations under instruction;</p> <p>(ii) Capable to report the status of the assembly and disassembly bearings ; and</p> <p>(iii) Capable to complete the report the assembly and disassembly of bearing installations.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses techniques of using basic installation tools and knowledge of mechanical equipment installation.