




## JOB TITLE: STEEL FIXER

ROLES AND RESPONSIBILITY	DAILY ACTIVITIES
<p>Steel Fixers determine size, shape, quantity and location of concrete reinforcing metal according to drawings or verbal instructions, measure, cut, bend and fit welded wire mesh into concrete areas to be mesh-reinforced</p> 	<p>A steel fixer may perform the following tasks:</p> <ul style="list-style-type: none"><li>• read and interpret working plans and steel lists for the job</li><li>• set out the work from these instructions</li><li>• make steel bars or mesh the required length by cutting them with bolt cutters, guillotines and power saws</li><li>• assemble the reinforcing bars or mesh by welding, wiring or clipping into predetermined locations within the concrete</li><li>• fabricate steel reinforcement as beams, footing pads or special units</li><li>• join the prefabricated units together for large sections of high rise or civil projects, and position the reinforcement ready for concrete pours.</li></ul>
QUALIFICATION PRE-REQUISITE	CAREER DEVELOPMENT
<ul style="list-style-type: none"><li>• For Steel Fixer Grade II you need to have worked in the construction industry for at least one month</li><li>• For Steel Fixer Grade I you need to have worked as a Steel Fixer Grade II for a minimum of six months</li></ul>	<p>If you show initiative as a Steel Fixer Grade II and have the drive to succeed then you can be promoted to Steel Fixer Grade I and thereafter to Supervisor and then Foreman.</p>

<p><b>PERSONAL REQUIREMENTS</b></p> <p>The following important qualities are required:</p> <ul style="list-style-type: none"> <li>• physically fit</li> <li>• enjoy practical work</li> <li>• able to work at heights</li> <li>• able to work as part of a team</li> </ul>		<p><b>CHALLENGES</b></p> <p>Steel Fixing has various challenges ranging from:</p> <ul style="list-style-type: none"> <li>• structural detailing drawing and specification that has to be amended due to the on site conditions changing;</li> <li>• the lack of material, equipment when required on site due to poor planning by management; or</li> <li>• the pressures when deadlines must be met as the concrete must be poured on schedule</li> </ul>
<p><b>JOB SATISFACTION</b></p> <p>The following achievements provides job satisfaction:</p> <ul style="list-style-type: none"> <li>• When a complicated steel cage is completed on time and to the specifications;</li> <li>• When there is team work and we meet our production bonus.</li> </ul>	<p><b>ADVICE FOR JOB SEEKERS</b></p> <p>People who are interested to be a Steel Fixer need physical stamina because the work frequently requires prolonged standing, bending, stooping, and working in cramped quarters. They also may be required to lift and carry heavy objects.</p> <p>They must love to work outside as they will be exposure to all types of weather conditions because most of the work is done outside or in partially enclosed structures.</p>	
	<p><b>WORKING ENVIRONMENT</b></p> <p>Steel fixers are employed on construction sites. They may also work in pre-cast concrete plants, as well as in areas of pre-stressing, post-stressing and tensioning, using hydraulic jacks and tensioning mechanisms.</p> <p>They normally work a 40-to-45 hour a week, but may sometimes work evenings, weekends, and holidays to finish a job or take care of an emergency.</p> <p>Steel Fixers must often contend with the weather when working outdoors and they are also exposed to noise and dust levels.</p>	
<p><b>EDUCATION AND TRAINING</b></p> <p>A Learnership or Skills Programme for Reinforcing is required:</p> <ul style="list-style-type: none"> <li>• Steel Fixer Grade II – General and Further Education and Training Certificate in Construction NQF Level 1;</li> <li>• Steel Fixer Grade I – National Certificate in Construction NQF Level 2;</li> <li>• National Certificate in Concrete Reinforcing NQF Level 3</li> </ul>	<p><b>LENGTH OF STUDY</b></p> <p>You can start to work as a Steel Fixer without formal qualifications. You will probably get some informal training on the job.</p> <p>The Learnership will be approximately 14 to 18 months per category based on the experience and opportunities gained on site.</p> <p>Skills Programmes will be of a shorter duration.</p>	