





**SPECIAL INSTRUCTIONS:**  
**1.** Always follow manufacturer’s operating instructions when using or maintaining concrete mixers.

Sequence	Identified hazards	Key processes to be followed	Precautions / PPE required
1. General precautions	Moving parts Fire and explosion  Electric shock	Ensure that guards are fitted over all drives, belts, motors and moving parts. Eliminate ignition sources in areas where petrol powered mixer is used. Allow machine and motor to cool before refuelling. Electric mixers must be inspected quarterly and carry a current test tag. Circuit to which connected must be protected by RCD or safety switch. Keep power leads out of water and clear of barrow tracks and sharp edges.	Do not use without guards. No smoking or open flames. Refuel mixer after work breaks. Do not use unless inspected. Do not use on unprotected circuit. Keep leads off ground.
2. Pre-use checks	Moving parts	Ensure mixer is disconnected or ignition is OFF before removing guards. Keep fingers clear of nip points when adjusting drive belt tension. Replace both belts on machines fitted with double drive belts. Ensure that caps are fitted to grease cups before returning mixer to service.	Refit all guards before use. Loosen belt before replacing belts. Check pulleys for wear or damage. Clean off excess oil and grease.
3. Operation	Stability and access  Over-exertion/strain injury  Moving parts Hazardous exposure  Spill of concrete	Position machine on a clear level surface with adequate space for working. Ensure that clear path is available for barrows used to carry concrete. Ensure that bowl is locked in mixing position before loading ingredients. Locate aggregate, sand and cement close to where mixing is carried out. Use bowl to contain water in preference to a running hose. Do not overload tools when placing ingredients into mixer bowl. <b>Do not overload mixer when adding ingredients.</b> Do not place hands or other parts of body inside rotating mixer bowl. Exercise care when adding cement to bowl to reduce dust in work zone. Exercise care when adding bagged premixed concrete to mixer bowl. Ensure that barrow is correctly placed under bowl before emptying. Return mixer bowl to mixing position before removing barrow.	Ensure mixer is stable when used. Keep leads away from barrow path Avoid over-reaching when loading Minimise carrying distances. Minimise water spill in work area. Observe correct lifting practice. Add (in order) aggregate, sand, cement and water. <b>Wear eye and hand protection.</b> Keep hands clear of moving parts. Avoid breathing cement dust. Add bagmix to mixer slowly.
4. Cleaning and maintenance	Moving parts	Wash exterior of mixer and inside of bowl before concrete can set. Check that axles, wheels and tyres are in good condition for easy movement.	Observe environmental safety when cleaning mixer bowl.
5. Transport	Over-exertion/strain injury	Obtain assistance to load or unload mixer on to or from truck or utility. Ensure that mixer is secured against movement before travel.	Do not tie mixer down by bowl or other movable parts.

<p><b>PRECAUTIONS:</b> The following precautions are to be observed in areas where these procedures are carried out.</p>	<p>General precautions for use of all types of concrete mixers</p>			<p>Use of petrol mixer</p>		
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