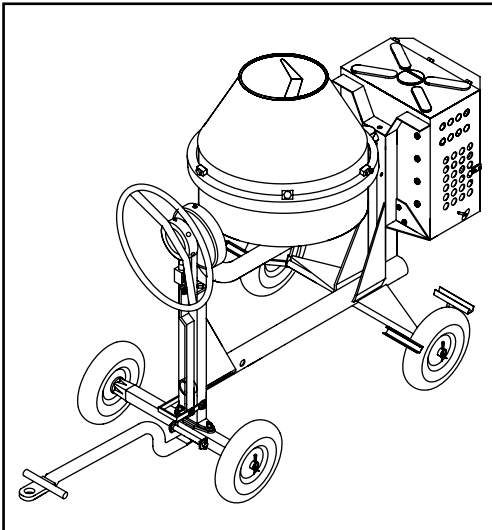




# ***SUPERIOR*** **300/350/400**



- Spare Parts Book

12

# EC DECLARATION OF CONFORMITY / DECLARATION CE DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD CE / DECLARAÇÃO CE DE CONFORMIDADE / EG-VERKLARING VAN OVEREENSTEMMING / EF OVERENSSTEMMELSESERKLÆRING

**(GB)** We, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, hereby certify that if the product described within this certificate is bought from an authorised Belle Group dealer within the EEC, it conforms to the following EEC directives: 98/37/EC (This directive is a consolidation of the original machinery directive 89/392/EEC), Electromagnetic Compatibility Directive 89/336/EEC (as amended by 92/31/EEC & 93/68 EEC). The low voltage directive 73/23/EEC, BS EN ISO 12100-1:2003 Safety of machinery and associated harmonised standards, where applicable. Noise emissions conform to directive 2000/14/EC Annex VI, for machines under article 12 the notified body is **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*Noise Technical Files are held at the Belle Group Head Office address which is stated above.*

**(F)** Nous soussignons, **Belle Group Sheen UK, Sheen, Nr Buxton, Derbyshire, SK17 0EU, GB**, certifions que si le produit décrit dans ce certificat est acheté chez un distributeur autorisé Belle Group au sein de la CEE, il est conforme aux normes CEE ci-après: 98/37/CE (Cette norme est une codification des normes de la machine d'origine 89/392/CEE), Norme compatible pour l'électromagnétisme 89/336/CEE (modifié par 92/31/CEE et 93/68/CEE). Caractéristiques basse tension 73/23/CEE, BS EN ISO 12100-1:2003, Norme de sécurité des machines et des critères associés et configurés, si applicable. Les émissions de bruit sont conformes à la directive 2000/14/EC Annexe VI pour machines, article 12, l'objet mentionné est **AV Technology Mimited, AVTECH House, Birhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*Les dossiers techniques sur les émissions sonores des machines sont détenus au siège social de BELLE GROUP à l'adresse ci-dessus.*

**(E)** La Sociedad, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK 17 OEU, GB**, por el presente documento certifica que si el producto descrito en este certificado es comprado a un distribuidor autorizado de Belle Group en la CEE, este es conforme a las siguientes directivas: 98/37/CE de la CEE (Esta directiva consolida la directiva inicial sobre maquinaria 89/392/CEE), Directiva 89/336 CEE sobre Compatibilidad Electromagnética (según enmiendas 92/31/CEE y 93/68 CEE), Directiva sobre Bajo Voltaje 73/23/CEE, BS EN ISO 12100-1:2003 de Seguridad de Maquinaria y Niveles armonizados estándares asociados donde sean aplicables. Emisión de Ruidos conforme a la Directiva 2000/14/CE Anexo VI para máquinas bajo artículo 12 la mencionada unidad está **AV Technology Limited, AVTECH House, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*En La Sede Central de Belle Group existen Archivos Técnicos con contenido referente a Niveles de Ruido.*

**(P)** O signatário, **Belle Group Sheen UK, Sheen, Nr Buxton, Derbyshire, SK 0EU, GB**, pelo presente, declara que se o produto descrito neste certificado foi adquirido a um distribuidor autorizado do Belle Group em qualquer país da UE, está em conformidade com o estabelecido nas seguintes directivas comunitárias: 98/37/EC (esta directiva é uma consolidação da directiva de maquinaria original 89/392/EEC), Directiva de Compatibilidade Electromagnética 89/336/EEC (conforme corrigido pelas 92/31/EEC & 93/68 EEC). A directiva de baixa voltagem 73/23/EEC, BS EN ISO 12100-1:2003 Segurança da maquinaria e às normas harmonizadas afins se aplicáveis. As emissões de ruído respeitam e estão dentro das directivas para máquinas 2000/14/EC Anexo VI, artigo 12, sendo o organismo notificado **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*A informação técnica sobre níveis sonoros está disponível na Sede da Belle Group na morada acima mencionada.*

**(NL)** Ondergetekende, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 OEU, GB**, verklaren hierbij dat als het product zoals beschreven in dit certificaat is gekocht van een erkende Belle Group dealer binnen de EEG, het voldoet aan de volgende EEG richtlijnen: 98/37/EC (Deze richtlijn is een opvolger van de originele Machinerichtlijn 89/392/EEG), Electromagnetische Compatability Richtlijn 89/336/EEG (geamendeerd door 92/31/EEG & 93/68 EEG). De Laagspannings Richtlijn 73/23/EEG, BS EN ISO 12100-1:2003 Veiligheid van Machines en hieraan gekoppelde geharmoniseerde Standaarden, waar deze van toepassing is. Rumoor emissions passen voor richtlijn EC Zijgebouw VI, voor toestel onder stuk 12 naar de notified troep zit **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**  
*Worden de Technische Dossiers van het lawaai gehouden op het adres van het Hoofdkantoor van de Groep Belle dat hierboven ' wordt verklaard.*

**(DK)** Vi, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, erklærer hermed, at hvis det i dette certifikat beskrevne produkt er købt hos en autoriseret Belle Group forhandler i EU, er det i overensstemmelse med følgende EØF-direktiver: 98/37/EF, 73/23/EØF (som ændret ved 93/68/EØF), 89/336/EØF (som ændret ved 92/31/EØF), 93/68/EØF og tilknyttede, harmoniserede standarder, hvor relevant. Støjniveauet er i overensstemmelse med direktiv 2000/14/EF, bilag VI gældende for maskiner under paragraf 12. Det bemyndigede organ er **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, Storbritanien**.

PRODUCT TYPE .....	TYPE DE PRODUIT.....	TIPO DE PRODUCTO .....	TIPO DE PRODUCTO .....
MODEL.....	MODELE.....	MODELO .....	MODELO.....
SERIAL No.....	N° DE SERIE .....	N° DE SERIE.....	NO. DE SÉRIE .....
DATE OF MANUFACTURE.	DATE DE FABRICATION .....	FECHA DE FABRICACIÓN..	DATA DE FABRIC
SOUND POWER LEVEL MEASURED .....	NIVEAU DE PUISSANCE SONORE MESUREE.....	NIVEL DE POTENCIA ACÚSTICA MEDIDO .....	NIVEL DE POTÊNCIA DE SOM MEDIDO.....
(GUARANTEED).....	(GARANTIE).....	(GARANTIZADO).....	(GARANTIDO).....
WEIGHT .....	POIDS .....	PESO .....	PESO .....
PRODUCTTYPE .....	PRODUKTTYPE .....		
MODEL.....	MODEL .....		
SERIENUMMER.....	SERIENR. ....		
FABRICAGEDATUM.....	FREMSTILLINGSDATO .....		
GEMETEN GELUIDSSTERKTENIVEAU (GEGARANDEERD) .....	LYDEFFEKTNIVEAU MÅLT .....		
GEWICHT.....	VÆGT.....		



Signed by:  
Signature:  
Medido por:  
Assinado por:  
Getekend door:  
Uunderskrevet af:

  
**Ray Neilson**

Managing Director - On behalf of BELLE GROUP (SHEEN) UK.  
Le Directeur Général - Pour le compte de la SOCIETE BELLE GROUP (SHEEN) UK.  
Director Gerente - En nombre de BELLE GROUP (SHEEN) UK.  
Director-Geral - Em nome de BELLE GROUP (SHEEN) UK.  
Algemeen Directeur - Namens BELLE GROUP (SHEEN) UK.  
Administrerende direktør - På vegne af BELLE GROUP (SHEEN) UK.

**EGKONFORMITÄTSERKLÄRUNG / DICHIARAZIONE CE DI CONFORMITÀ /  
EG-VERKLARING VAN OVEREENSTEMMING /  
EC SAMSVARSERKLÆRING / EY-YHDENMUKAISUUSILMOITUS / DEKLARACJA  
ZGODNOSCI Z PRZEPISAMI UE**

**D** Wir, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, Großbritannien**, bestätigen hiermit, dass das in diesem Zertifikat beschriebene Produkt, wenn es von einem autorisierten Belle Group Händler innerhalb der europäischen Gemeinschaft gekauft wurde, folgenden EG-Richtlinien entspricht: 98/37/EG, 73/23/EG (geändert durch 93/68/EG), 89/336/EG (geändert durch 92/31/EG), 93/68/EG und, wenn zutreffend, den harmonisierten Normen. Geräuschemissionen entsprechen der Richtlinie 2000/14/EG, Anhang VI, für Maschinen unter Artikel 12: die benannte Stelle ist **AV Technology Limited, AVTECH House, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*Geräuschtechnische Dokumente stehen in unserer Zentrale unter obig angegebener Adresse zur Verfügung.*

**I** Il Gruppo **Belle Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, certifica che il prodotto descritto nel presente certificato è acquistato da un concessionario autorizzato del gruppo Belle nell'ambito CEE e che è pienamente conforme alle seguenti direttive CEE: 98/37/EC, 73/23/EEC (emendamento 93/68/CEE), 89/336/EEC (emendamento 92/31/CEE), 93/68/CEE e relativi standard armonizzati. Livelli acustici sono in conformità con la direttiva 2000/14/EC Annex VI per macchine coperte dall'articolo 12. L'ente di riferimento è **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*Dati tecnici relativi ai livelli acustici sono disponibili su richiesta dalla sede madre Belle Group al sopra citato indirizzo.*

**S** Undertecknade, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, Storbritannien**, intygar härmed att en produkt beskriven i detta certifikat som köps från en godkänd Belle Group återförsäljare inom EU stämmer överens med följande EG-direktiv: 98/37/EG, 73/23/EG (ändrat genom 93/68/EEC), 89/336/EG (ändrat genom 92/31/EG), 93/68/EG och tillhörande harmoniserade standarder i tillämpliga fall. Buller nivån överensstämmer med Direktiv 2000/14/EC Bilaga VI gällande maskiner under artikel 12, den aviserade organisationen är **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, Storbritannien**.  
*Teknisk dokumentation vad gäller test av maskiners ljud/bullernivå finns dokumenterad hos Belle-Groups huvudkontor i Sheen, England.*

**NO** Vi, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, bekrefter med dette at det produktet som står beskrevet i denne erklæringen er kjøpt fra en autorisert Belle Group forhandler innen EØF, og at det oppfyller følgende direktiver: 98/37/CE dette direktivet er et sammendrag av det opprinnelige maskindirektivet 89/392/EØF), Det elektromagnetisk kompatibilitets-direktivet 89/336/EØF (som endret av 92/31/EØF og 93/68/EØF). Lavspenningsdirektivet 73/23/EØF, BS EN ISO 12100-1:2003, Sikkerhet til maskineri og tilhørende harmoniserte standarder, hvor aktuelt. Støyemisjon er i samsvar med direktiv 2000/14/EC, vedlegg VI, for maskiner. Organet som skal informeres under artikkel 12 er **AV Technology Limited, AVTECH House, Birhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*Lydtekniske filer er arkivert hos Belle Group Hovedkontor med adresse som nevnt ovenfor.*

**SF** Me, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, ilmoitamme täten, että jos tässä todistuksessa kuvattu tuote on ostettu valtuutetulta Belle Groupin myyjältä ETY:n alueella, se on yhdenmukainen seuraavien ETY-direktiivien kanssa: 98/37/EY (Tämä direktiivi on yhdistelmä alkuperäisestä koneidirektiivistä 89/392/EY, sähkömagneettisen yhteensopivuuden direktiivistä 89/336/EY, korjauksineen 92/31/EY ja 93/68/EY), matalajännittdirektiivistä 73/23/EY, koneeturvallisuusstandardista BS EN ISO 12100-1:2003 ja siihen liittyvistä yhdenmukaistetuista standardeista, tapauksen mukaan. Melumittaus mitaus on laadittu direktiivin 2000/14/EC Kohdan VI artiklan 12 mukaisille koneille mukaan. Mittauksen suorittaja on **AV Technology Limited, AVTECH House, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, GB**.  
*Melumittausten teknilliset arvot ovat saatavana Belle Group pääkonttorin ylläolevasta osoitteesta.*

**PL** My, **Belle Group Sheen UK, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, Wielka Brytania**, niniejszym poświadczamy, iż produkt opisany w tym świadectwie został zakupiony od autoryzowanej Belle Group w UE i jest zgodny z następującymi dyrektywami EU: 98/37/EC (ta dyrektywa to konsolidacja oryginalnej dyrektywy na temat maszyn 89/392/EEC), Dyrektywą zgodności elektromagnetycznej 89/336/EEC (z poprawkami wniesionymi przez 92/31/EEC oraz 93/68/EEC), Dyrektywą w sprawie niskich napięć 73/23/EEC, BS EN ISO 12100-1:2003 Bezpieczeństwo maszyn i związane normy harmonizacyjne, tam gdzie to ma zastosowanie. Poziom hałasu jest zgodny z Dyrektywą 2000/14/EC Załącznik VI, organizacja zawiadamiana (odnośnie zgodności) to **AV Technology Limited, AVTECH house, Birdhall Lane, Cheadle Heath, Stockport, Cheshire, SK3 0XU, Wielka Brytania**.  
*Informacje Techniczne dotyczące poziomu hałasu są przechowywane w Belle Group – adres powyżej.*

PRODUKTTYP.....	TIPO PRODOTTO .....	PRODUKTTYP .....	PRODUKTTYP.....
MODELL .....	MODELLO .....	MODELL.....	MODELL .....
SERIENNR.....	SERIE N° .....	SERIE NR. ....	SERIE NR. ....
HERSTELLUNGSDATU .....	DATA DI FABBRICAZIONE..	TILLVERKNINGSDATUM.....	PRODUKSJONSDATO .....
SCHALLLEISTUNGSPEGEL GEMESSEN .....	LIVELLO POTENZA SONORA MISURATA .....	LJUDSTYRKA UPPMÄTT.....	LYDKRAFTNIVÅ MÅLT .....
(GARANTERT).....	(GARANTITA).....	(GARANTERAD).....	(GARANTERT) .....
GEWICHT.....	PESO .....	VIKT.....	VEKT.....
TUOTETYYPPI.....	TYP PRODUKTO .....		
MALLI.....	MODEL .....		
VALMISTUSNRO.....	Nr SERII.....		
VALMISTUSPÄIVÄ.....	DATAPRODUKCJI .....		
ÄÄNENVOIMAKKUUDEN TASO MITATTU.....	POZIOM MOCY DŹWIĘKU ZMIERZONY .....		
(TAATTU) .....	(GWARANTOWANY).....		
MASSA.....	WAGA .....		



Unterzeichnet von:

Firmato da:

Undertecknat:

Signatur:

Allekirjoitus:

Podpisa:

**Ray Neilson**

Generaldirektor – Im auftrag von BELLE GROUP (SHEEN) UK.

Amministratore Delegato – Per conto di BELLE GROUP (SHEEN) UK.

V.D. – På vägnar av BELLE GROUP (SHEEN) UK.

Managing Director - På vegne av SOCIETE BELLE GROUP (SHEEN) UK.

Toimitusjohtaja - BELLE GROUP (SHEEN) UK: n puolesta.

Dyrektor Zarządzający – w imieniu BELLE GROUP (SHEEN) UK



# Contents

Introduction .....	6
Serial Numbers.....	7
Technical Data.....	7
Safety Instructions.....	8
Warning Symbols .....	9
Maintenance Instructions .....	9
Mixing Hints.....	10
Warranty .....	10
CE Certificate of Conformity.....	2

*Belle Group reserves the right to change machine specification without prior notice or obligation.*



# Introduction

Congratulations on your purchase of this quality concrete mixer from the Belle Group Range.

This machine is manufactured to conform to the EEC directives currently in force, is issued with a Declaration of Conformity and therefore displays the CE mark, applicable in territories where they are enforced. Retain this manual with your machine for future reference.

## SAFETY AND ACCIDENT PREVENTION

### Operation Instructions

All persons who apply, assemble, operate, start, control, maintain or repair this machine, must read and understand the operating instructions.

### Owner Responsibility:

The owner must ensure that only qualified persons operate, maintain or repair this machine.

### STORAGE

When not in use, store in a dry, locked place. Keep away from children.

### Operation for the Intended Purpose :

Mixers are intended for the production of concrete, mortar and plaster. The mixer must be used for its intended purposes and is not suitable for the mixing of flammable or explosive substances. The mixers must not be used in an explosive atmosphere.

## MAINTENANCE AND REPAIRS

When maintaining this machine only the manufacturers original replacement parts may be used.

The user will lose any possible claims if replacement parts used are other than the makers original replacement parts.

Only authorised persons should repair the mixer, and within the requirements of the CE mark (where applicable), where no deviation to the original specification must take place.



### **CAUTION**

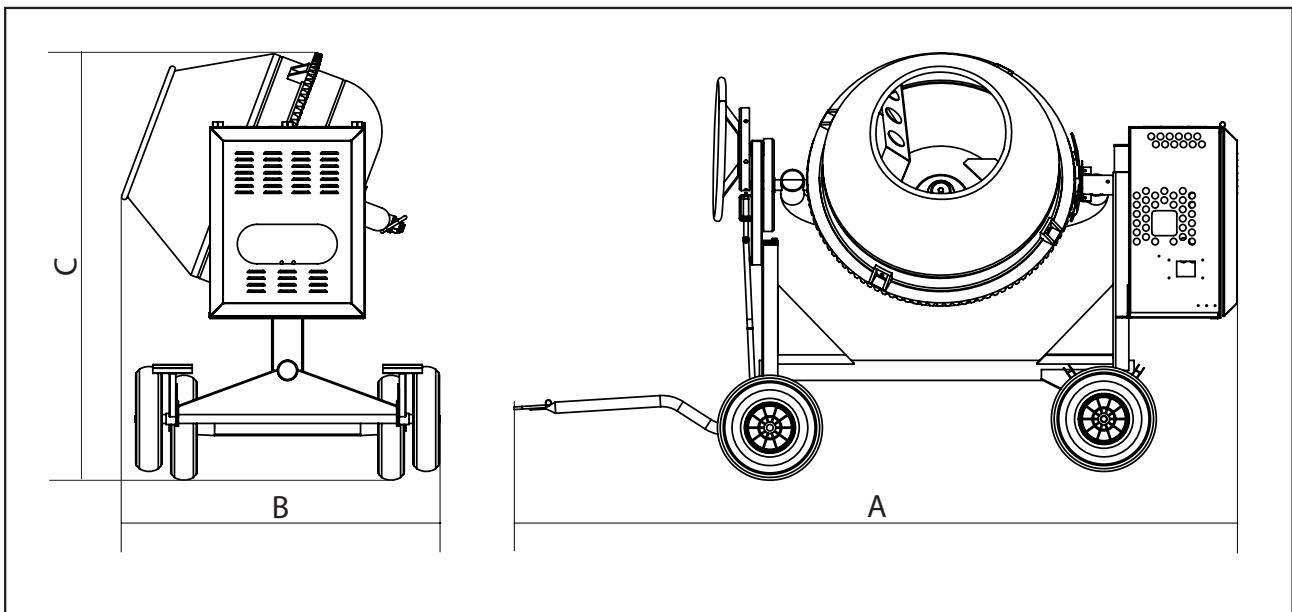
Any maintenance and repairs carried out, to any of the electric components must be undertaken by a qualified electrician.

## Serial Numbers

**ATTENTION!** Make a note of the serial numbers of your machine and always quote them in any communication with a Belle Group Dealer.

### MACHINE SERIAL NUMBER

## Technical Data



All Models	Superior 300			Superior 350			Superior 400		
	Petrol	Diesel	Electric	Petrol	Diesel	Electric	Petrol	Diesel	Electric
Overall Length - 4 Wheels (mm)	1765	1765	1765	1765	1765	1765	2135	2135	1135
Overall Width - 4 Wheels (mm)	1155	1155	1155	1155	1155	1155	1155	1155	1155
Overall Height - 4 Wheels (mm)	1598	1598	1598	1660	1660	1660	1935	1935	1935
Overall Length - 2 Wheels (mm)	1965	1965	1965	1965	1965	1965	2335	2335	2335
Overall Width - 2 Wheels (mm)	1155	1155	1155	1155	1155	1155	1155	1155	1155
Overall Height - 2 Wheels (mm)	1598	1598	1598	1660	1660	1660	1935	1935	1935
Unladen Weight - 4 Wheels (Kg)	241	255	233	246	260	238	296	310	288
Unladen Weight - 2 Wheels (Kg)	218	242	220	223	247	225	283	297	275
Maximum Drum Capacity (Ltr)	300	300	300	350	350	350	400	400	400
Maximum Mixing Capacity (Ltr)	150	150	150	200	200	200	250	250	250
Drum Speed (rpm)	25	25	25	25	25	25	25	25	25
Nominal Voltage (v)	N/A	N/A	230	N/A	N/A	230	N/A	N/A	230
Nominal Current (amp)	N/A	N/A	7.9	N/A	N/A	7.9	N/A	N/A	10
Nominal Power (kW)	3.0	3.5	1.5	3.0	3.5	1.5	3.0	3.5	2.2
Engine Type	Robin EX13D	Lombardini 15LD225	N/A	Robin EX13D	Lombardini 15LD225	N/A	Robin EX13D	Lombardini 15LD225	N/A
Sound Power Level (dB(A))	103	103	103	103	103	103	103	103	103

## READ THESE SAFETY INSTRUCTIONS

Please read and understand all running/safety instructions before operating this machine.

### BEFORE STARTING THE MIXER

- Check that all guards are in position and correctly fitted.
- **DO NOT** wear loose clothing or jewellery that may become entangled in the workings of this machine.
- Suitable clothing as follows should meet relevant EEC/local safety standards: overalls, work boots, goggles, face mask, gloves and ear defenders etc.
- On electric powered mixers, ensure that any trailing cable is protected against damage and not liable to be tripped over or trapped underneath the mixer.
- **Belle strongly recommends the use of a Residual Current Device on 220/240v electrics.**
- Remove all packaging material before operating.

### WHEN OPERATING THE MIXER

- Keep engine housing lid closed during mixing.
- Keep unauthorised persons away from mixing drum.
- Keep area around the mixer clear of obstructions which could cause persons to fall onto moving parts.
- Always ensure mixer is on level ground before mixing.
- Ensure rear wheel brakes are applied before operating the mixer.
- **DO** become familiar with the controls before operating this machine.
- **DO** ensure plenty of ventilation when running the diesel engines in a confined area.
- **DO** replace any worn/damaged warning decals.
- **DO** ensure the drum is rotating while emptying the mixer.
- **DO** always switch off and remove the plug from the socket if leaving the machine unattended.
- **DO NOT** transport this mixer when mixing.
- **BEWARE** of the danger zones.

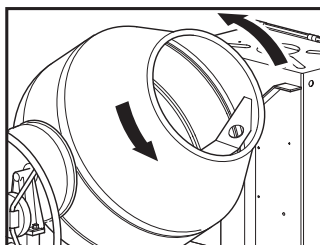
### EMERGENCY STOP

If you have to turn off the mixer in a emergency you must turn off at switch or at the mains.

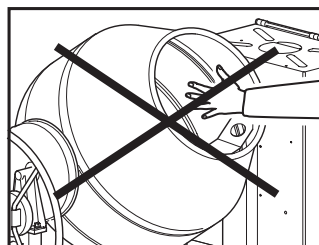
### FIRE FIGHTING

If your mixer catches fire, turn off the electric supply. Using a dry powder or CO<sup>2</sup> fire extinguisher put out the fire. If the fire can not be put out, keep away and call the fire brigade.

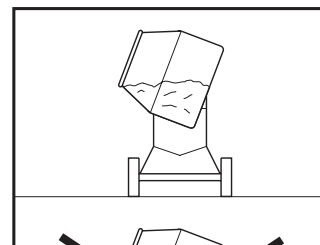
If you are in any doubt about the safety condition of your machine, please consult your nearest Belle dealer or Belle direct.



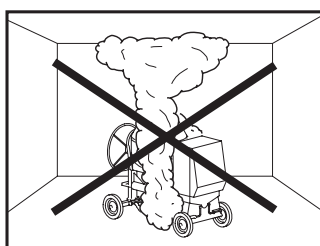
DRUM ROTATES ANTI-CLOCKWISE



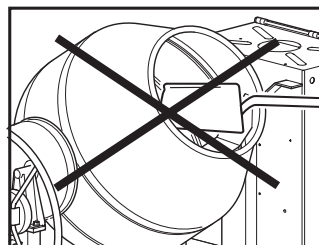
DO NOT PUT ANY PART OF YOUR BODY IN THE DRUM



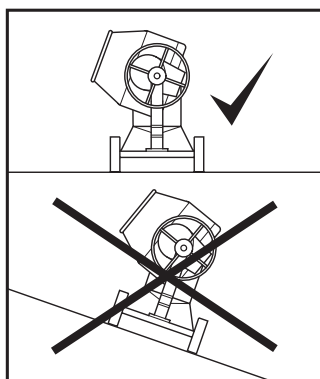
ALWAYS WORK WITHIN THE RATED CAPACITY



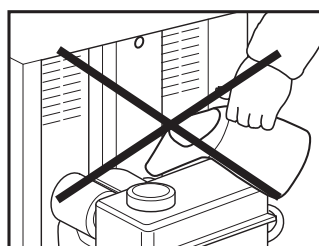
ALWAYS MIX IN WELL VENTILATED PLACES EXHAUST FUMES CAN KILL



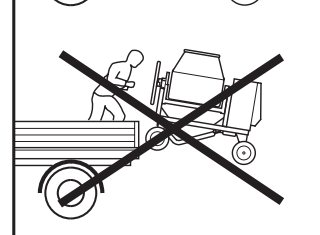
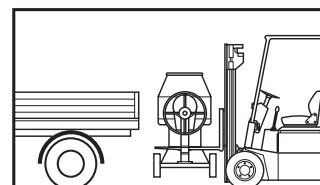
DO NOT PUT SHOVEL IN THE DRUM



ALWAYS MIX ON LEVEL GROUND



DO NOT FILL WITH FUEL OR LUBRICATION OILS WHILST ENGINE IS RUNNING



LOAD AND UNLOAD FROM THE TRANSPORT CORRECTLY (See Transport Section in Manual)

## 1 PETROL ENGINE : ROBIN

### STOPPING

- 1.1 Close the fuel cock. (M)
- 1.2 Turn the STOP SWITCH counter-clockwise to the position '0' (OFF) (Fig N)
- 1.3 Close the fuel cock. (Fig P)
- 1.4 Pull the starter handle slowly and return the handle to its original position when resistance is felt. This operation is necessary to prevent outside moist air from intruding into the combustion chamber. (Q)

### STARTING

- 1.5 Open the fuel cock (Fig R)
- 1.6 Turn the STOP SWITCH to the position 'I' (ON) (Fig S)
- 1.7 Set the speed control lever 1/3 of the way towards the high speed position (FigT)
- 1.9 Close the choke lever. (Fig U)
  - If the engine is cold or the ambient temperature is low, close the choke lever fully.
  - If the engine is warm or the ambient temperature is high, open the choke lever half way, or keep it fully open.
- 1.10 Pull the starter handle slowly until resistance is felt. This is the 'compression' point. return the handle to its original position and pull swiftly. Do not pull out the rope all the way. After starting the engine, allow the starter handle to return to its original position while still holding the handle. (Fig V)
- 1.11 After starting the engine, gradually open the choke by turning the choke lever and finally keep it fully opened. Do not fully open the choke lever immediately when the engine is cold or the ambient temperature is low, because the engine may stop. (Fig W)

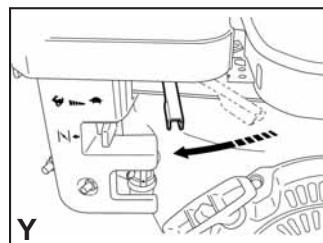
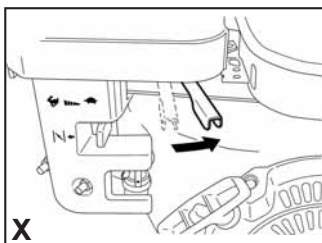
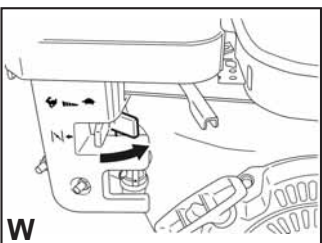
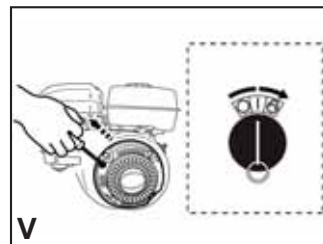
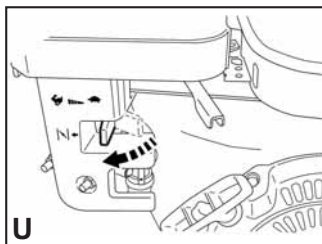
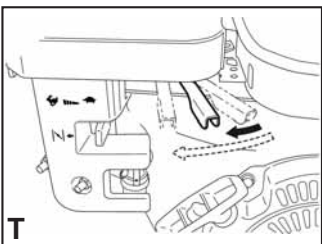
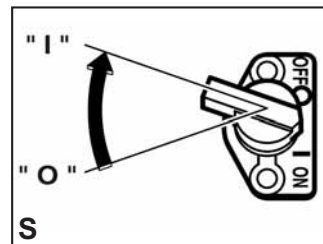
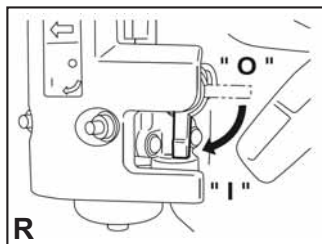
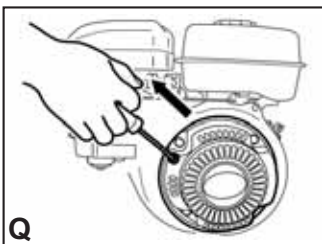
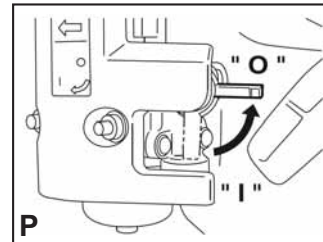
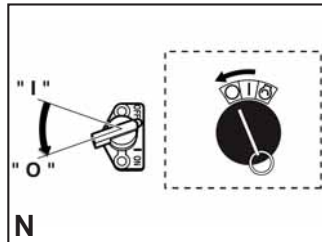
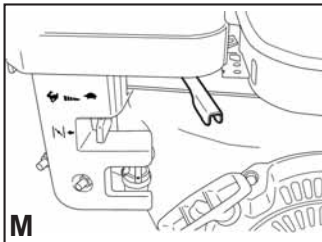
### RUNNING

- 1.12 After the engine starts, set the speed control lever at the low speed position (L) and warm it up without load for a few minutes. (Fig X)
- 1.13 Gradually move the speed control lever towards the high speed position (H) and set it at the required engine speed. (Fig Y)

Whenever high speed operation is not required, slow the engine down (idle) by moving the speed control lever to save fuel and extend engine life.

### EMERGENCY STOP

- 1.14 Depress large RED Button, situated on top left hand side of power unit housing.



## 2 DIESEL ENGINE : LOMBARDINI 15 LD 225

### STARTING

In addition to all other machine specifications, ensure that the engine is in an ear horizontal position when starting. If starting manually, ensure that the necessary operations can be performed without any risk of striking against walls or dangerous objects. Rope Starting (except for Recoil Starting) is not permitted even in emergencies. Check that the machine is stable so that there is no risk of it overturning. Accelerator at 50% speed.

### RECOIL STARTING

Take the handle and pull the rope softly until it is extended to its full limit. Let the rope rewind completely. Start the engine pulling stringly on the rope.

### AFTER STARTING

Leave engine running at idle speed (See Engine manual for duration)

### RUN-IN

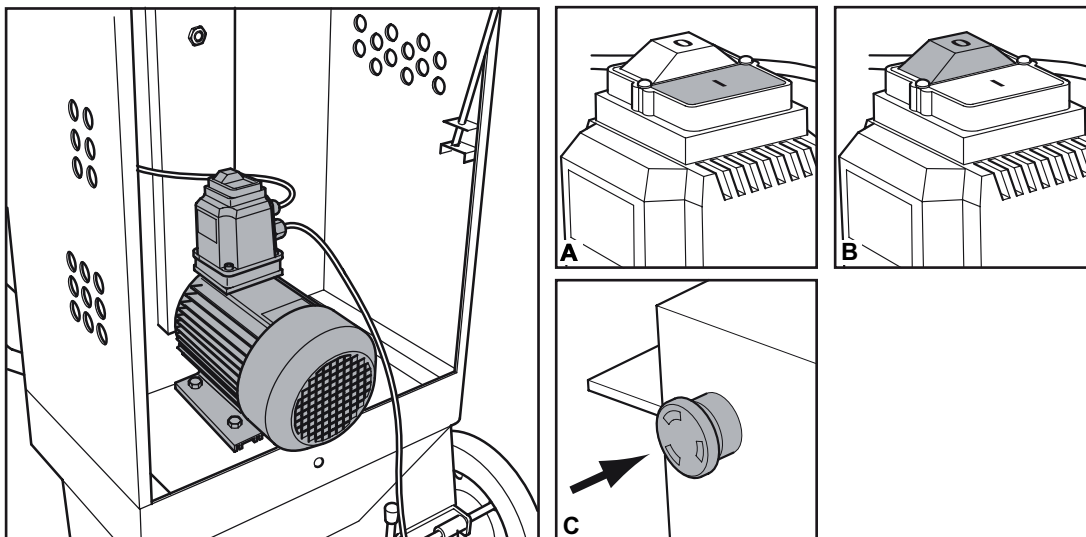
During first 50 hours do not exceed 70% of maximum rated power.

### STOPPING

Lever and/or ket in stop position.

### SINGLE-LEVER CONTROL STOP

Accelerator lever in stop position.



## 3 ELECTRIC MOTOR: 230V

### STOPPING

3.1 Depress RED Button (or on/off toggle switch if fitted to the Off position) to stop mixer (Fig B).

### STARTING

3.2 Lift rear door.

3.3 Feed supply cable out through the rear of the mixer and plug into power supply.

3.4 Depress GREEN Button (or on/off toggle switch if fitted to the On position) to start mixer (Fig A).

**Ensure supply cable is safely stored before moving mixer.**

**Keep rear door shut when mixer is running**

### EMERGENCY STOP

3.5 Depress large RED Button, situated on top left hand side of power unit housing (Fig C).



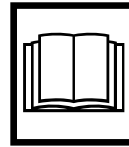
## Warning Decals



WEAR EYE PROTECTION



FIRE AND EXPLOSIVE RISK



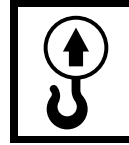
READ OPERATOR MANUAL



WEAR EAR PROTECTION



WEAR PROTECTIVE FOOTWEAR



LIFTING POINT

## Maintenance Instructions



**Before starting any maintenance or repairs, switch off motor, and isolate from the main power supply.**  
On completion of maintenance, check that the mixer functions correctly and that all guards are correctly fitted.

### ELECTRIC MIXER

All portable electric appliances are dangerous if abused. This machine will only operate on one voltage. Check the power supply to ensure it corresponds to the voltage as indicated on the rating label.

**220/240v** - Always use a Residual Current Device ("RCD"), (earth leakage trip), plugged directly into the 220/240v socket. If using an extension cable, plug it directly into the RCD.

- **DO NOT** use an extension cable between the transformer and the power supply.

The symbols on the ON/OFF switch are 0=OFF and I=ON in accordance with international standards.

### EXTENSION CABLES

If you need to use an extension cable it must be no longer than 30 metres (100 feet) in length. The wire section for 220/240v must be 2.5mm<sup>2</sup>. Ensure that the extension cable is carefully laid out avoiding liquids, sharp edges and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire. Make sure that any extension cable connections are dry and safe.

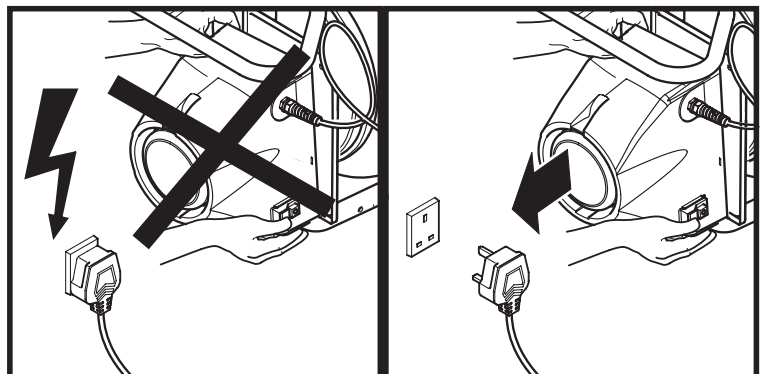
### CLEANING

Wipe off any external material. **DO NOT** use petrol, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. Never let any liquids near the engine/motor. Use 1" gravel and clean water to clean the inside of the drum. **DO NOT** use bricks etc. as this will damage the drum.

### DRIVE BELT

- **DO NOT** try to adjust with the motor running.
- **DO NOT** run slack.
- **DO NOT** operate machine with guards removed.

The drive belt is under constant tension, this requires no attention. The bearings are sealed for life.





## Mixing Hints

### Mix Ratios

The correct mix ratio (cement:sand:stone) depends on the type of application; harder concrete requires more cement, rougher applications require more aggregate. The ratios given below are guidelines: best proportions may depend on the quality of sand/stone used.

First put in the water - around 7 litres (1½ gallons), using more or less depending on the type of mix required. Add some aggregate before adding cement, to avoid sticking. Work consistently to the ratio of ingredients for whatever type of concrete mix you are working to.

### Getting A Good Mix

The approximate mixing time for concrete is 2-4 minutes from when all the material (including the water) has been added - over-mixing can reduce strength and cause segregation of the coarser aggregates.

Beware of low grade aggregates; these will only lead to trouble later on with sinking and frost spoiling the appearance of the pour. Also do not get the concrete mix too wet as this can reduce strength and make it less able to withstand weathering.

### Looking After Your Mixer

Never throw material into the mixer - trickle it steadily over the rim or it will stick firmly to the back of the drum and can only be dislodged by stopping the mixer.

Keep your mixer clean - material left in the drum will harden, and attract more on each use until the mixer is useless.

Do not throw bricks into a mixer drum to clean it out. The best method is a mix of 1" (2½cm) gravel and clean water - use plenty of it, as this will do the job in half the time.

APPLICATIONS	QUANTITIES		
	CEMENT	SAND	STONE
MOST ORDINARY	1	2	4
FOUNDATIONS	1	3	6
ROUGH MASS CONCRETE	1	4	8
WATERTIGHT FLOORS, TANKS PITS ETC.	1	1.5	3



## Warranty

Your new Belle Group Superior 300/350/400 is warranted to the original purchaser for a period of one-year (12 months) from the original date of purchase. The Belle Group warranty is against defects in design, materials and workmanship.

The following are not covered under the Belle Group warranty:

1. Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
2. Alterations, additions or repairs carried out by persons other than Belle Group or their recognised agents.
3. Transportation or shipment costs to and from Belle Group or their recognised agents, for repair or assessment against a warranty claim, on any machine.
4. Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

The following components are not covered by warranty.

- Drive Belt
- Engine air filter
- Engine spark plug

Belle Group and/or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with or by reason of or the inability to use the machine for any purpose.

### Warranty Claims

All warranty claims should firstly be directed to Belle Group, either by telephone, by Fax, by Email, or in writing.

#### For warranty claims:

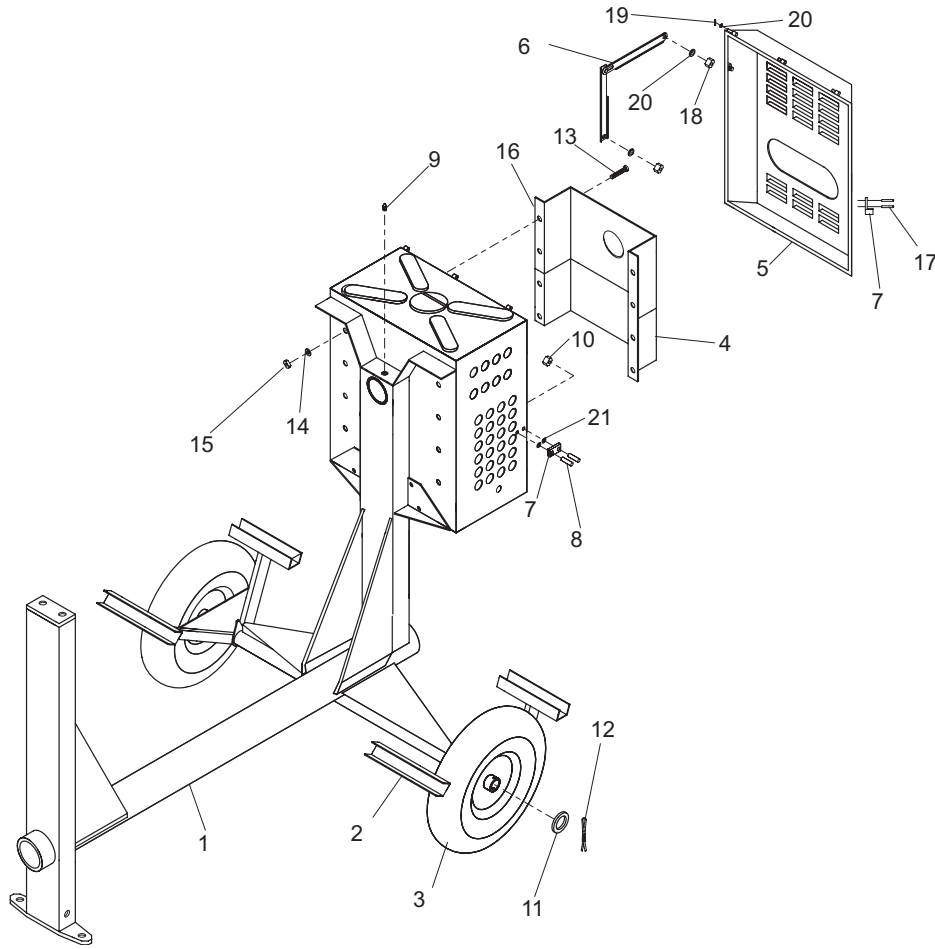
Belle Group Warranty Department,  
Unit 5, Bode Business Park,  
Ball Haye Green, Leek,  
Staffordshire,  
ST13 6BW  
England.

Tel : +44 (0)1538 380000,

Fax : +44 (0)1538 380038

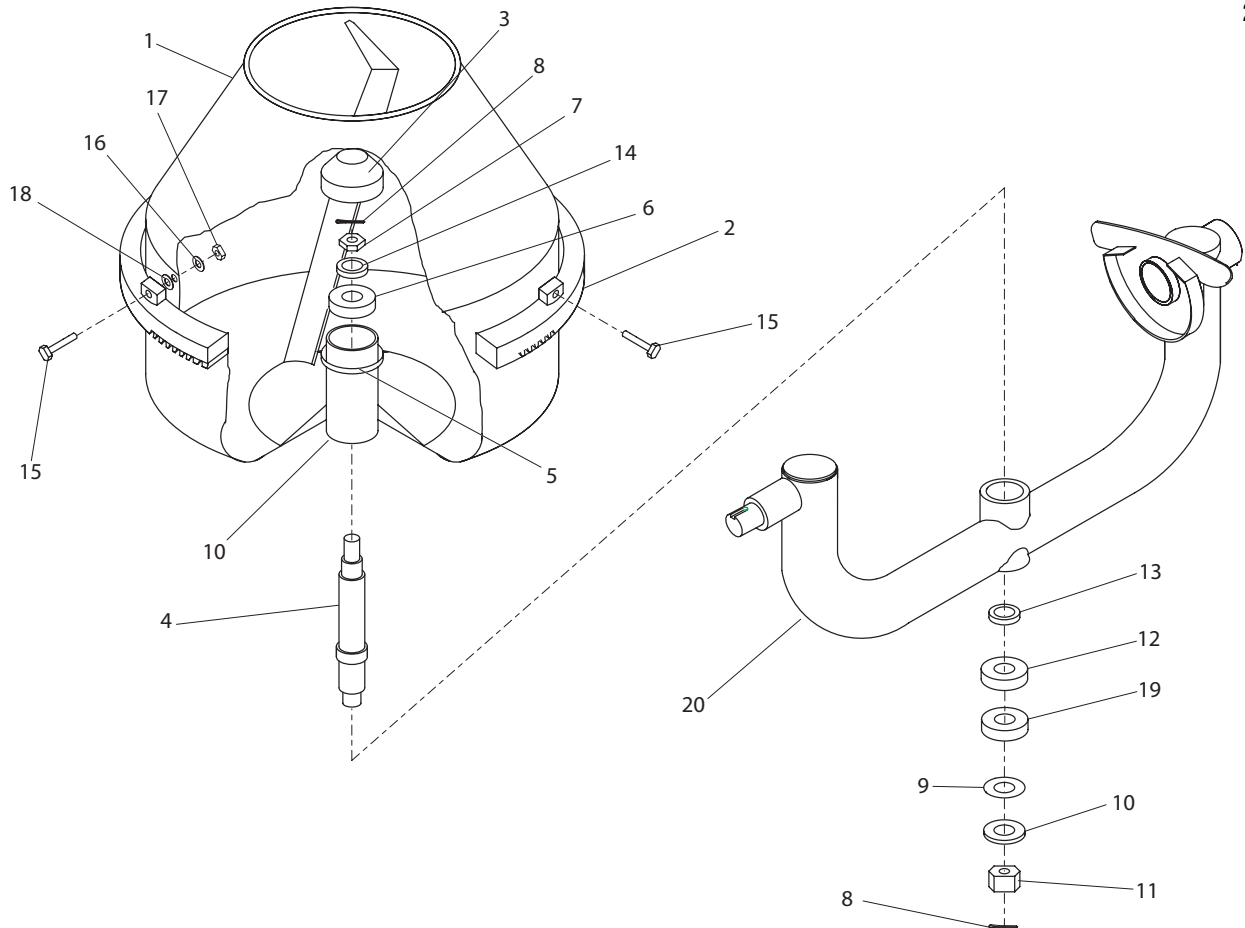
Email : [warranty@belle-group.co.uk](mailto:warranty@belle-group.co.uk)





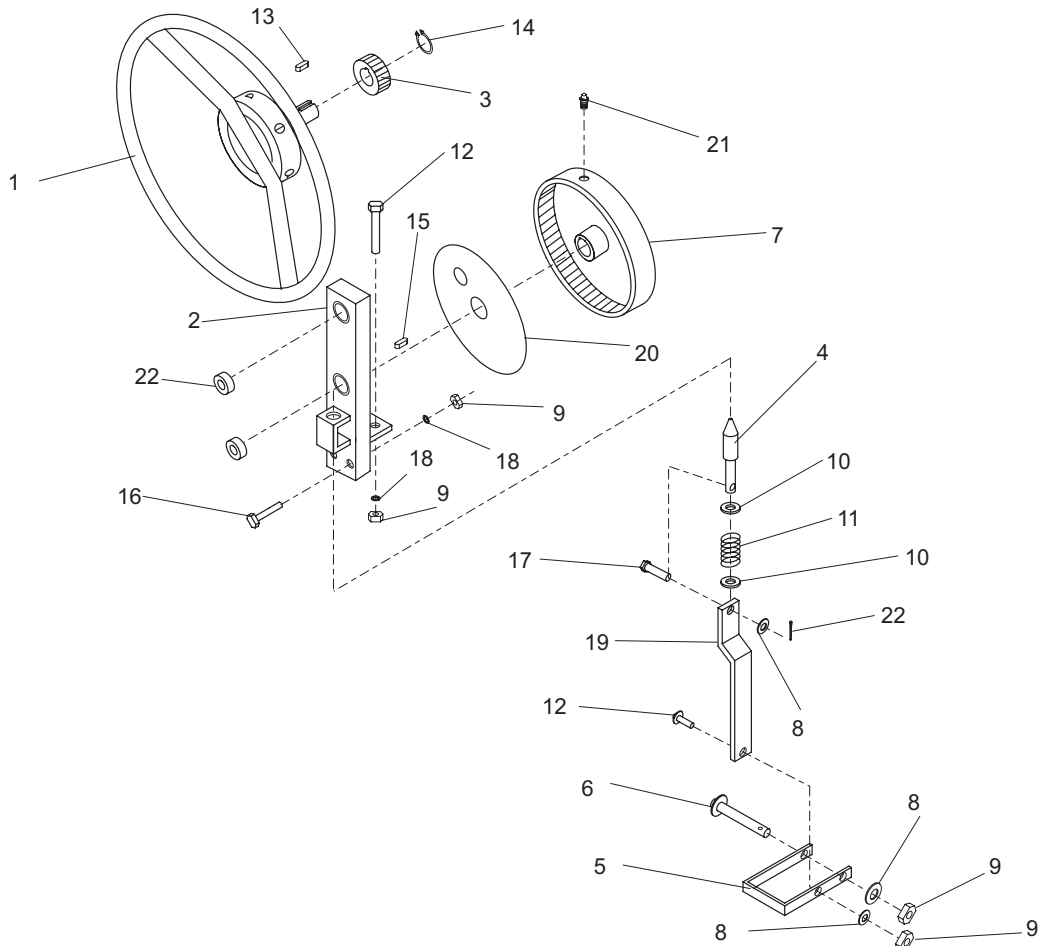
**Frame Assembly , Cadre, Conjunto de Estructura, Conjunto de Estrutura**

1	963/99045.....	Frame.....	Châssis .....	Estructura .....	Estructura.....	300 & 350.....	1
1	963/99049.....	Frame.....	Châssis .....	Estructura .....	Estructura.....	400 .....	1
2	963/99046.....	Brake.....	Frein .....	Freno .....	Freio .....		2
3	963/99047.....	Wheel.....	Roue .....	Rueda .....	Roda.....		2
4	963/99008.....	Belt Guard.....	Capot de courroie .....	Protector de la correa .....	Guarda da Cinta.....	Electric .....	1
4	963/99001.....	Belt Guard - Lower.....	Capot de courroie - Inférieur .....	Protector de la correa - Más bajo .....	Guarda da Cinta - Mais baixo ...	Petrol / Diesel.....	1
5	944/01100.....	Door.....	Portière .....	Puerta .....	Porta.....		1
6	944/99032.....	Door Stay.....	Barre de Capot.....	Sujeción Puerta .....	Tirante da Porta .....		1
6	963/99034.....	Door Stay.....	Barre de Capot.....	Sujeción Puerta .....	Tirante da Porta .....	400 Electric .....	1
7	944/99035.....	Lock.....	Serrure .....	Cierre.....	Fechadura .....		2
8	944/99097.....	Bolt.....	Boulon .....	Perno .....	Parafuso.....	M5 x 12 .....	6
9	500/06100.....	Grease Nipple.....	Téton de graissage .....	Conexión para engrase .....	Bocal de Lubrificação.....	M6 x 1 .....	1
10	8/5001.....	Nut.....	Ecrou.....	Tuerca.....	Porca.....	M5 .....	6
11	963/99014.....	Washer.....	Rondelle.....	Arandela .....	Anilha .....	Ø5,1 .....	2
12	946/99552.....	Pin.....	Goupille.....	Pasador .....	Pino .....	Ø5 x 45.....	2
13	7/8011.....	Screw.....	Vis .....	Tornillo .....	Parafuso.....	M8 x 20 .....	8
14	4/8001.....	Washer.....	Rondelle.....	Arandela .....	Anilha .....	Ø8,4 .....	8
15	8/8008.....	Nut.....	Ecrou.....	Tuerca.....	Porca.....	M8 .....	8
16	963/99002.....	Belt Guard - Upper.....	Capot de courroie - Frein .....	Protector de la correa - Superior .....	Guarda da Cinta - Superior .....	Petrol / Diesel.....	1
17	963/99011.....	Rivet.....	Rivet.....	Roblon .....	Rebite.....	300 & 350.....	4
17	944/99047.....	Rivet.....	Rivet.....	Roblon .....	Rebite.....	400 .....	4
18	8/10006.....	Nut.....	Ecrou.....	Tuerca.....	Porca.....	M10 .....	2
19	903/99539.....	Pin.....	Goupille.....	Pasador .....	Pino .....	Ø2,5 x 25.....	1
20	4/1005.....	Washer.....	Rondelle.....	Arandela .....	Anilha .....	Ø10,5 .....	3
21	946/99556.....	Washer.....	Rondelle.....	Arandela .....	Anilha .....	Ø5,1 .....	6



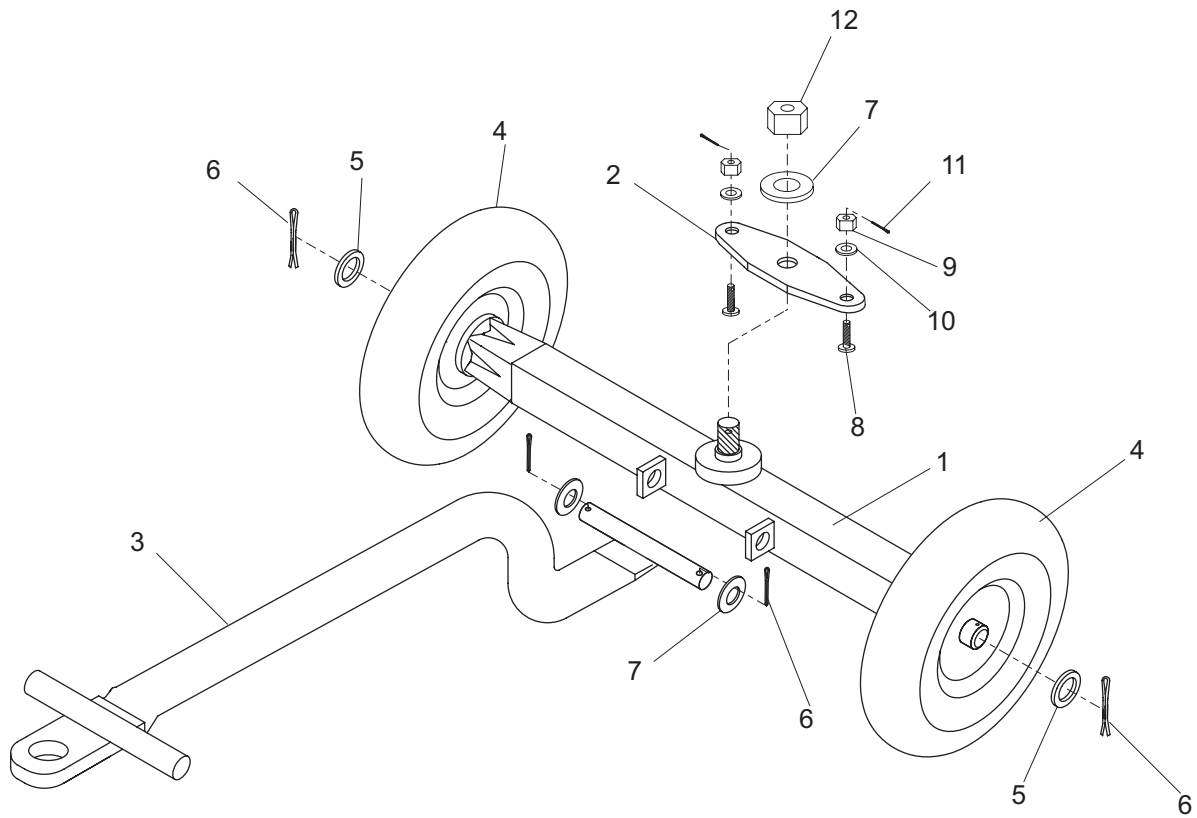
**Drum Complete, Tambour en Entier , Cuba Completa, Tambor completo**

1	963/99019	Drum	Tambour	Tambor	Tambor	Tambor	Superior 300	1
1	946/99602	Drum	Tambour	Tambor	Tambor	Tambor	Superior 350	1
1	946/99560	Drum	Tambour	Tambor	Tambor	Tambor	Superior 400	1
2	946/99603	Gear	Engrenage	Engranaje	Engrenagen	Engrenagen	Superior 300 & 350	1
2	963/99042	Gear	Engrenage	Engranaje	Engrenagen	Engrenagen	Superior 400	1
3	946/99618	Cover	Couvercle	Tapa	Tampa	Tampa	Superior 300 & 350	1
3	946/99563	Cover	Couvercle	Tapa	Tampa	Tampa	Superior 400	1
4	946/99512	Shaft	Axe	Eje	Veio	Veio	Superior 300 & 350	1
4	946/99564	Shaft	Axe	Eje	Veio	Veio	Superior 400	1
5	944/99042	Ring	Anneau	Anillo	Anel	Anel	Superior 300 & 350	1
5	946/99565	Ring	Anneau	Anillo	Anel	Anel	Superior 400	1
6	946/99505	Bearing	Roulement	Cojinete	Rolamento	Rolamento	Superior 300 & 350	1
6	946/99521	Bearing	Roulement	Cojinete	Rolamento	Rolamento	Superior 400	1
7	944/99040	Nut	Ecrou	Tuerca	Porca	Porca	Superior 300 & 350	1
7	963/99039	Nut	Ecrou	Tuerca	Porca	Porca	Superior 400	1
8	946/99604	Pin	Goupille	Pasador	Pino	Pino	Ø4 x 45	2
9	944/99038	Washer	Rondelle	Arandela	Anilha	Anilha	Superior 300 & 350	AR
9	946/99567	Washer	Rondelle	Arandela	Anilha	Anilha	Superior 400	AR
10	944/99050	Washer	Rondelle	Arandela	Anilha	Anilha	Superior 300 & 350	1
10	946/99568	Washer	Rondelle	Arandela	Anilha	Anilha	Superior 400	1
11	944/99040	Nut	Ecrou	Tuerca	Porca	Porca	Superior 300 & 350	1
11	946/99569	Nut	Ecrou	Tuerca	Porca	Porca	Superior 400	1
12	944/99046	Ring	Anneau	Anillo	Anel	Anel	Superior 300 & 350	1
12	946/99570	Ring	Anneau	Anillo	Anel	Anel	Superior 400	1
13	944/99012	Bearing	Roulement	Cojinete	Rolamento	Rolamento	Superior 300 & 350	1
13	946/99522	Bearing	Roulement	Cojinete	Rolamento	Rolamento	Superior 400	1
14	946/99571	Washer	Rondelle	Arandela	Anilha	Anilha	25 x 45 x 4	4
15	7/10003	Screw	Vis	Tornillo	Parafuso	Parafuso	Superior 300 & 350	4
15	7/10009	Screw	Vis	Tornillo	Parafuso	Parafuso	Superior 400	4
16	946/99619	Washer	Rondelle	Arandela	Anilha	Anilha	10,2	4
17	8/10006	Nut	Ecrou	Tuerca	Porca	Porca	M10	4
18	4/1005	Washer	Rondelle	Arandela	Anilha	Anilha	10,5	4
19	963/99033	Washer	Rondelle	Arandela	Anilha	Anilha	400	4
20	963/99028	Yoke	Chape	Articulación	Culatra	Culatra		1



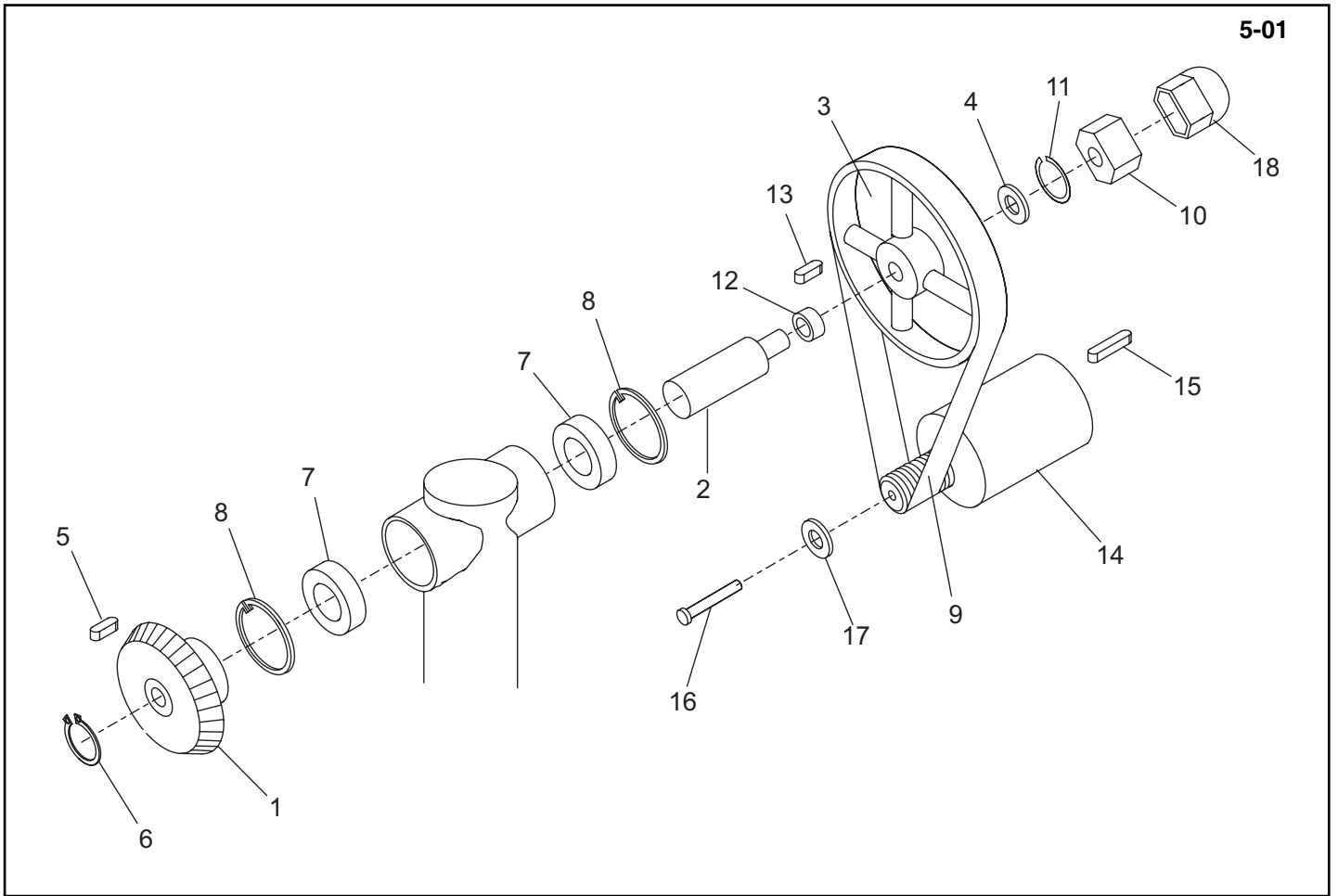
**Handwheel Assembly, Ensemble volant de manoeuvre, Montaje de Volante, Montagem do volante**

1	946/99572	Handwheel	Volant	Volante	Volante	1
2	946/99606	Bearing	Roulement	Cojinete	Rolamento	1
3	944/99014	Pinion	Pignon	Piñón	Pinhão	1
4	946/99575	Pin	Goupille	Pasador	Pino	1
5	946/99607	Pedal	Pédale	Pedal	Pedal	Superior 300 & 350
5	909/99929	Pedal	Pédale	Pedal	Pedal	Superior 400
6	963/99026	Screw	Vis	Tornillo	Parafuso	1
7	946/99577	Gear	Engrenage	Engranaje	Engrenagen	1
8	4/1005	Washer	Rondelle	Arandela	Anilha	10,5
9	8/10006	Nut	Ecrou	Tuerca	Porca	M10
10	946/99538	Washer	Rondelle	Arandela	Anilha	Ø17
11	944/99017	Spring	Ressort	Resorte	Mola	3,5/25/62/10
12	7/10010	Screw	Vis	Tornillo	Parafuso	M10 x 30
13	944/99018	Key	Clavette	Chaveta	Chave	6 x 6 x 16
14	946/99534	Ring	Anneau	Anillo	Anel	Z-22
15	944/99019	Key	Clavette	Chaveta	Chave	10 x 8 x 36
16	9/10008	Screw	Vis	Tornillo	Parafuso	M10 x 60
17	7/10009	Screw	Vis	Tornillo	Parafuso	M10 x 40
18	946/99619	Washer	Rondelle	Arandela	Anilha	10,2
19	963/99022	Bar	Barre	Barra	Barra	Superior 300 & 350
19	963/99035	Bar	Barre	Barra	Barra	Superior 400
20	946/99580	Cover	Couvercle	Tapa	Tampa	Z90
21	500/06100	Grease Nipple	Téton de graissage	Conexión para engrase	Bocal de Lubrificação	1
22	944/99060	Bearing	Roulement	Cojinete	Rolamento	4



**Axle Assembly, Ensemble Essieu, Eje de Montaje, Montagem do Eixo**

1	963/99005.....	Axle .....	Essieu .....	Eje .....	Eixo.....	1
2	909/99935.....	Plate .....	Plaque .....	Placa .....	Placa.....	1
3	963/99012.....	Towbar .....	Barre de Remorquage .....	Barra de Remolque .....	Barra de reborque .....	1
4	963/99044.....	Wheel .....	Roue .....	Rueda.....	Roda .....	2
5	963/99014.....	Washer.....	Rondelle .....	Arandela.....	Anilha.....	Ø22 .....
6	946/99552.....	Pin.....	Goupille .....	Pasador.....	Pino.....	f5 x 45 .....
7	963/99013.....	Washer.....	Rondelle .....	Arandela.....	Anilha.....	f21 .....
8	7/10010.....	Screw .....	Vis.....	Tornillo .....	Parafuso .....	M10 x 30 .....
9	8/10003.....	Nut .....	Ecrou .....	Tuerca .....	Porca .....	M10 .....
10	946/99537.....	Washer.....	Rondelle .....	Arandela.....	Anilha.....	10,2 .....
11	946/99604.....	Pin.....	Goupille .....	Pasador.....	Pino .....	f4 x 45 .....
12	8/2001.....	Nut .....	Ecrou .....	Tuerca .....	Porca .....	M20 .....



Drive Kit , Kit d'entraînement, Kit transmisión, Kit de Transmissão

1	946/99532.....	Pinion .....	Pignon .....	Piñón.....	Pinhão.....	Superior 300 & 350 .....	1
1	946/99525.....	Pinion .....	Pignon .....	Piñón.....	Pinhão .....	Superior 400.....	1
2	946/99513.....	Shaft.....	Axe .....	Eje.....	Veio .....	Superior 300 & 350 Electric .....	1
2	963/99018.....	Shaft.....	Axe .....	Eje.....	Veio .....	Superior 300 & 350 Diesel / Petrol.....	1
2	946/99540.....	Shaft.....	Axe .....	Eje.....	Veio .....	Superior 400 Electric.....	1
2	946/99541.....	Shaft.....	Axe .....	Eje.....	Veio .....	Superior 400 Diesel / Petrol .....	1
3	944/99003.....	Wheel.....	Roue .....	Rueda .....	Roda .....	Diesel / Petrol.....	1
3	944/99054.....	Wheel.....	Roue .....	Rueda .....	Roda .....	Electric .....	1
4	946/99538.....	Washer.....	Rondelle .....	Arandela.....	Anilha .....	Ø17 .....	1
5	944/99004.....	Key.....	Clavette .....	Chaveta .....	Chave.....	Superior 300 & 350 .....	1
5	946/99587.....	Key.....	Clavette .....	Chaveta .....	Chave.....	Superior 400.....	1
6	946/99534.....	Ring.....	Anneau .....	Anillo .....	Anel .....	Superior 300 & 350 .....	1
6	946/99543.....	Ring.....	Anneau .....	Anillo .....	Anel .....	Superior 400.....	1
7	53/0027.....	Bearing.....	Roulement .....	Cojinete.....	Rolamento.....	Superior 300 & 350 .....	2
7	946/99524.....	Bearing.....	Roulement .....	Cojinete.....	Rolamento.....	Superior 400.....	2
8	903/99520.....	Ring.....	Anneau .....	Anillo .....	Anel .....	Superior 300 & 350 .....	1
8	946/99544.....	Ring.....	Anneau .....	Anillo .....	Anel .....	Superior 400.....	1
9	21/0166.....	Belt.....	Courroie .....	Correa .....	Cinta.....	Superior 300 & 350 Diesel / Petrol.....	1
9	963/99017.....	Belt.....	Courroie .....	Correa .....	Cinta.....	Superior 300 & 350 Electric .....	1
9	963/99032.....	Belt.....	Courroie .....	Correa .....	Cinta.....	Superior 400 Diesel / Petrol .....	1
9	963/99031.....	Belt.....	Courroie .....	Correa .....	Cinta.....	Superior 400 Electric.....	1
10	8/16001.....	Nut.....	Ecrou .....	Tuerca.....	Porca .....	M16 .....	1
11	944/99048.....	Washer.....	Rondelle .....	Arandela.....	Anilha .....	16,3 .....	1
12	963/99004.....	Washer.....	Rondelle .....	Arandela.....	Anilha .....	.....	1
13	946/99542.....	Key.....	Clavette .....	Chaveta .....	Chave.....	Diesel / Petrol .....	1
14	944/99055.....	Pulley.....	Poulie .....	Polea .....	Polia .....	Diesel / Petrol .....	1
15	944/99109.....	Key.....	Clavette .....	Chaveta .....	Chave.....	4,75 x 5 x 16.....	1
16	944/99109.....	Screw.....	Vis .....	Tornillo.....	Parafuso.....	5/16" .....	1
17	944/99063.....	Washer.....	Rondelle .....	Arandela.....	Anilha .....	Ø10,5 .....	1
18	944/99064.....	Cap.....	Capuchon .....	Casquet.....	Tampa .....	M16 .....	1







# No.1 for Light Construction Equipment

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Fax: 00 - 86 - 21 - 5461 5369  
email: [morgan.liu@bellegroup.com.cn](mailto:morgan.liu@bellegroup.com.cn)

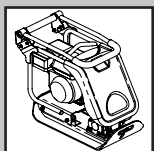
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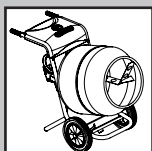
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Staffordshire,  
ST13 8BW  
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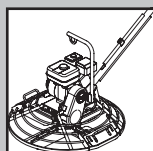
No.1 for Light Construction Equipment



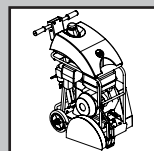
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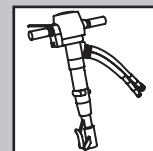
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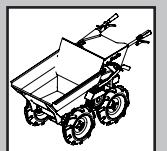
CONCRETING...



CUTTING...



BREAKING...



MOVING