



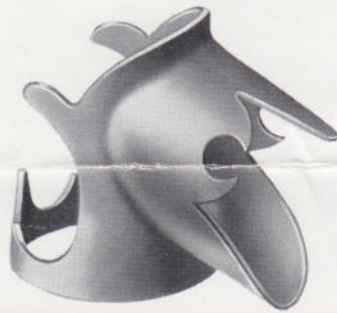
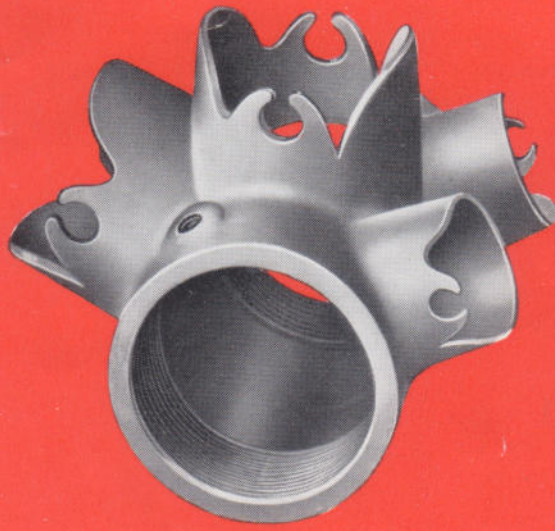
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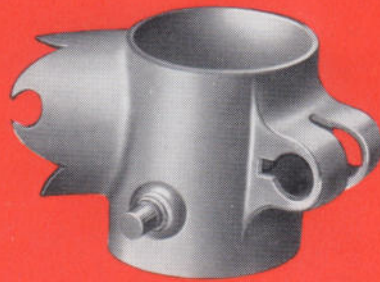
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BRAMPTON FITTINGS LTD



**PHOENIX
LIGHTWEIGHT
LUG SETS**



THE NUMBERS on the left hand side of the columns indicate the feature cut designs illustrated. Those on the right refer to the same lug with an alternative pipe design. Design numbers should always be quoted when ordering.

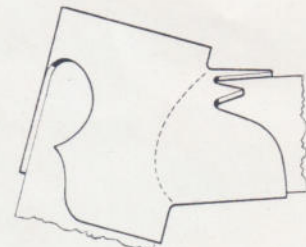
DESIGN Nos. 300—306 & 340—346

This series can be supplied with centre spear point shortened as shown by dotted line on Design No. 306. When ordering this feature cut the numbers shown against the lugs should be followed by the letter A, i.e., 306A, indicating the lug with the shortened spear point.

DESIGN No.
OF FEATURE
CUT LUG
ILLUSTRATED

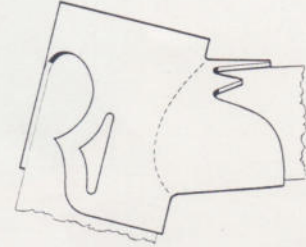
DESIGN No.
WITH ALT.
PIPE AS
No. 320

300



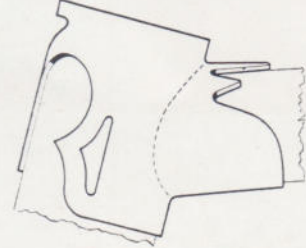
340

301



341

302



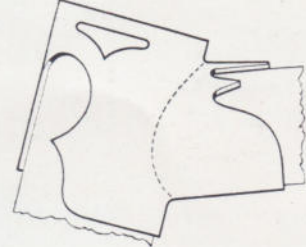
342

303



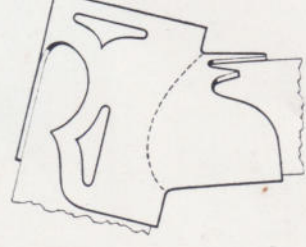
343

304



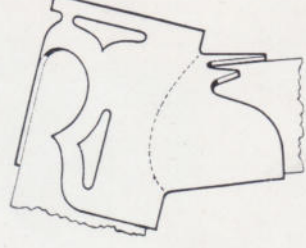
344

305



345

306



346

DESIGN No.
OF FEATURE
CUT LUG
ILLUSTRATED

320



DESIGN No.
WITH ALT.
PIPE AS
No. 300

330

321



331

322



332

323



333

324



334

DESIGN No.
OF FEATURE
CUT LUG
ILLUSTRATED

310



311



312



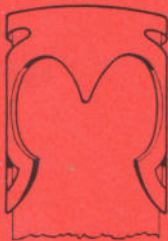
313



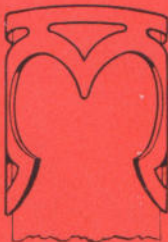
314



315

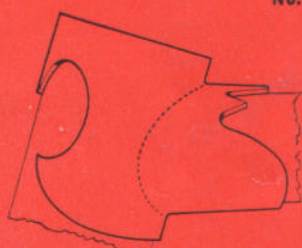


316

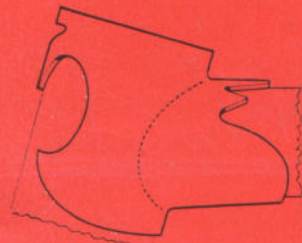


DESIGN No.
WITH ALT.
PIPE AS
No. 320

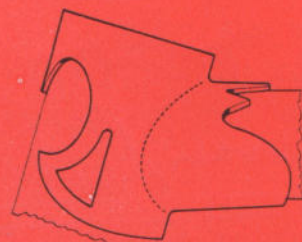
350



351



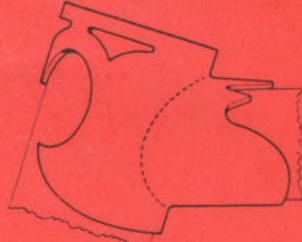
352



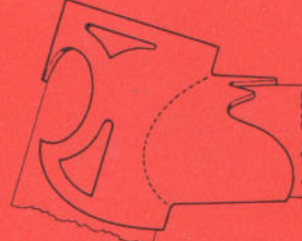
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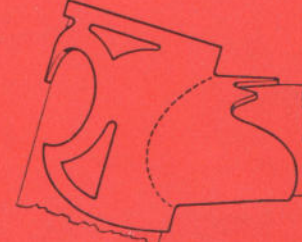
354



355

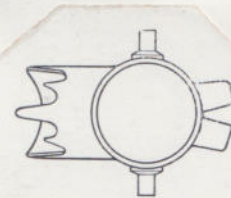


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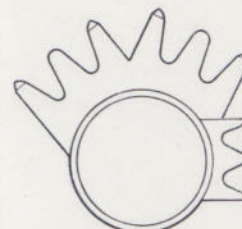


DESIGN No.
OF FEATURE
CUT LUG
ILLUSTRATED

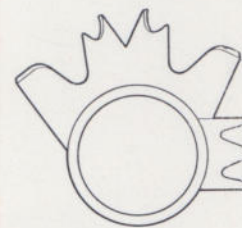
307



308



318



328

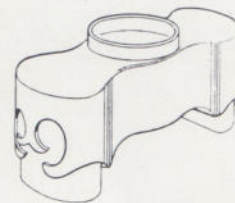


DESIGN No.
WITH ALT.
PIPE AS
No. 320

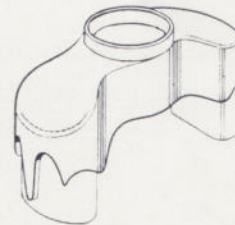
327



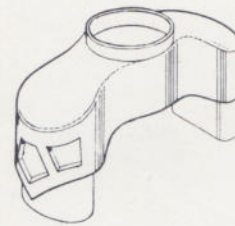
329



309



319



PHOENIX

LIGHTWEIGHT LUG SETS

This new development of Bramptons has created considerable interest in the cycle trade as it is the first time that such a range of 18G lightweight lugs has been produced by a British manufacturer.

The illustrations show the large variety of patterns available and indicate the alternative feature cuts on the pipes of the lugs. Such a range will enable the cycle manufacturer who wishes to give individuality to his cycle to select one of the designs from the large number of attractive combinations which have been evolved.

All designs are available in the following range of angles :—

TOP LUGS : 68° to 74° ($1\frac{1}{4}'' \times 1''$)
BOTTOM LUGS : 58° to 64° ($1\frac{1}{4}'' \times 1\frac{1}{8}''$)
SEAT LUGS : 69° to 73° ($1\frac{1}{8}'' \times 1'' \times \frac{3}{16}''$ dia. spigots)
CROWNS are of pressed steel

BRAMWELD BOTTOM BRACKET SHELLS

Bramweld, the Brampton pressed steel bottom bracket, has necessitated the development of an entirely new manufacturing technique which has resulted in the lightest, strongest bracket of its type yet produced. It is lighter yet stronger than the more usual cast bracket and it saves finishing time because it is supplied in a much cleaner and smoother condition. The bracket is available in the following sizes :—

FOR $\frac{7}{8}''$ CHAIN STAYS : PBS040. $67^{\circ} \times 62\frac{3}{4}^{\circ}$, *Straight Pattern*
PBS044. $69^{\circ} \times 62^{\circ}$, *Straight Pattern*
PBS128. 10° "V" *Pattern*, $66^{\circ} \times 58^{\circ}$
PBS290. 12° "V" *Pattern*, $62\frac{1}{2}^{\circ} \times 62\frac{1}{4}^{\circ}$
PBS292. 10° "V" *Pattern*, $63^{\circ} \times 63^{\circ}$
FOR $\frac{3}{4}''$ CHAIN STAYS : PBS233. 12° "V" *Pattern*, $63^{\circ} \times 63^{\circ}$
PBS291. 12° "V" *Pattern*, $62\frac{1}{2}^{\circ} \times 62^{\circ}$

All to suit $1\frac{1}{8}'' \times 1\frac{1}{8}''$ tubing. The standard length of pipes is $\frac{3}{4}''$ but this can be shortened to requirements.

All the components illustrated and listed above are those which are now available, but variations of the designs shown, or of the angles in the case of bottom bracket shells, can be supplied exclusively if sufficient quantities are ordered. It is anticipated, however, that the above range will cover most requirements.



BRAMPTON FITTINGS LTD.

with which is associated Walton & Brown Ltd.

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