TECHNICAL INFORMATION

The following applies to all Ball Units unless mentioned in the appropriate section.

ALWAYSE Ball Units consist of a large ball seated on a quantity of small bearings in a hemispherical cup. NOT JUST A SINGLE RING OF BALLS. There

orn from 20 to 150 bearings according to ball unit ize. Inkadesiun enables the large ball to rolate

treely and instantaneously in ANY direction Extremely heavy loads can be moved with the minimum of effort

It should be noted that the load is supported through the centre line of the unit. It may also be applied offset, upwards, downwards or sideways, although this may affect stated loading (see appropriate table). Tubes and bars of varying diameters can also be conveyed.

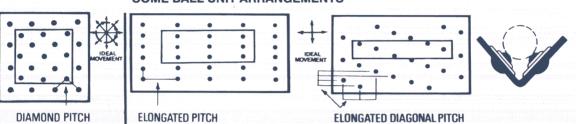
UARE PITCH

TO DETERMINE BALL UNITS CAPACITY the weight of the article to be conveyed should be divided by 3. The result gives the maximum load www.icheconcipele.hall-rait.pooborede.haq.alfdb Salitinits are leveled accurately then a larger number than 3 may be applied. The surface hardness and condition of the article to be conveyed should be taken into consideration to avoid-undes ball-pasetrations

SPACING OF BALL UNITS. The pitch is obtained by dividing the narrowest dimension by 3.5 i.e. narrowest dimension 14" divided by 3.5 = pitch of 4" between ball centres, this ensures 3 units are beneath the narrowest dimension at any one

15 Nm

SOME BALL UNIT ARRANGEMENTS



| TYPE | MATERIALS | TYPE | MATERIALS |
|------|--|--------------|--|
| | Carbon steel bearings. 60-66 Hrc | | Stainless bearings. |
| | Capital Commission of the Association of the Commission of the Com | | 1.51 804 (ENSRE). |
| (A) | Nylon lenge cell. ferrous bearings and shall, | G The second | Gtairdess bearings, 55-58 Bro Ferrous steel pressings |

UBRICATION. Each Ball Unit is PRE-LUBRICATED during manufacture and normally does not require further attention. n certain applications we will advise on lubrication. Greasing or oiling points can be incorporated in some units.

I.FAMING A suitable classing or release fluid should be used it dixty conditions greveil, Ramflin or suitable datement. ty more than the form which the transfer of the control of the con

SHOCK LOADS. When calculating loads bear in mind the possibility of impact from dropping, incorrect levels etc. spring <mark>loading will considerably reduce wear and t</mark>ear to the Ball Unite where they are subject to continuous hars in

ing Combiners the county technology in my count and a sectioning. BETRACTABLE BALL UNITS: Ball Units can be made retractable by means other than spring loading. Preparatic or

CF2E=VENCING can be effected by fitting rubber pads under each unit Trins allows any unitstanding proud to be npressed to the mean level eliminating the possibility of excessive loading on a few units. Details on request

LF LOCKING. Spring loaded Ball Units permit an empty container to move freely into position, then stand firmly when

F CLEANING: Most designs of ALWAYSE Ball Units have holes in the base of the bearing cups

L: A seabls incorporated to help resist ingress of dirt and swarf etc. Either Polygrethane foam or felt. Although it can

PERATURE. (Minimum - 30°C to maximum 70°C continuous or 100°C intermittent), do not affect the running ities but special seals may have to be fitted to suit prevailing conditions

ean conditions without seal 150°C-200°C is possible.

LIDASTORS: Many Gaster applications can be solved with Bair Transfers

trated below are various methods of fixing the standard range of 'Alwayse' Ball Units. de range of fittings enable them to be used with metals, wood, plastics and slotted angle, etc

ult our Technical Department for further details

pecifications subject to change without prior notice providing the product capabilities are not reduced

SEL

in cl FINI

Illus