AL Series, BL Series

SELECTION

Step 1

From the Application Table below, determine the type of chain and service factor.

Application Table

Type of Chain	Shock	Applications	Service Factor	Chain Speed ft./min.
AL series	Moderate	Suspension of counterweights	1.0	Less than 100
AL and BL series		Fork lift	1.3	
BL series	Heavy	Mining machinery Construction equipment	1.5	

Step 2

Multiply the required working load by the service factor and safety factor below to obtain the design tensile strength.

Safety Factor

Type of Chain	Safety Factor	Chain Speed ft./min.	Maximum Number of Reciprocations
AL series	12	Less than 100	Less than 100 per day
BL series	9	Less than 100	Less than 1,000 per day

Step 3

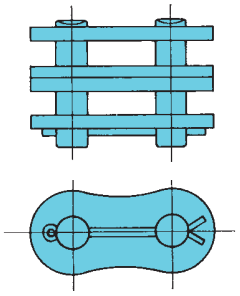
From the chain list, select a chain having a tensile strength not less than that obtained in Step 2.

Working Load* X Service Factor X Safety Factor ≤ Minimum Tensile Strength

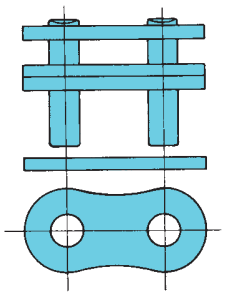
*Working Load including weights of attachments, inertia force and impact force.

When ordering, specify your requirements.

- For odd numbers of pitches inner links at both ends will be provided as standard.
- For even numbers of pitches a clevis connector or press fit and rivet outer link can be furnished.
- Clevis connector or press fit and rivet outer links are both available from stock in popular sizes.



Clevis connector



Press fit and rivet outer link

Connection with Clevis:

1. When an inner link is used for the end, a clevis pin is normally supplied by the clevis manufacturer.
2. When an outer link is used for the end, the press fit outer link provides the most integrity.