BELT SPECIFICATION

Selecting the correct belt for your application

When choosing the correct conveyor belt for your application it is important to consider the following factors:

1. The tensile strength
2. The cover rubber thickness
3. The grade of cover rubber

The correct combination of all of the above will result in the ideal belt selection.

BELT SPECIFICATION EXAMPLE:

<table>
<thead>
<tr>
<th>WIDTH OF BELT (mm)</th>
<th>1000MM</th>
<th>EP</th>
<th>800</th>
<th>/</th>
<th>4</th>
<th>6+2</th>
<th>GRADE Y DIN 22102</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric width in millimetres, where the belt is described in inches select the nearest metric width eg 24”= 600mm.</td>
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TYPE OF CARCASS (FABRICS)
EP fabric consists of Polyester (E) and Polyamide (P) combined to give high strength, high impact resistance, excellent flexibility and troughability and negligible elongation.

RATED BREAKING STRENGTH (N/mm)
Rated breaking strength is 10 times the calculated working tension. The total strength is the total of the number of plies x tensile strength of each ply eg 800/4 is 4 x 200 N/mm plies.

NUMBER OF FABRIC PLYES
The number of plies used to make up the total belt strength. Note that more plies does not necessarily mean that the belt is stronger eg a 630/2 (2 ply) is stronger than a 500/3 (3 ply).

TOP AND BOTTOM COVER THICKNESS (mm)
The thickness of the top and bottom cover rubber respectively. The thickness should always be specified with the cover grade below.

COVER RUBBER GRADE
The specification and quality standard of the cover rubber (see guide to cover rubber grades).