

## TICO® LFPA Low Frequency Mounting Pad

Product Code: RC1156

### Product Description

The TICO LFPA (Low-Frequency Mounting Pad) is crafted from moulded synthetic rubber and features a bonded-sandwich construction.

Property	TICO® LF/PA/10	TICO® LF/PA/80
Maximum Recommended Static Stress	0.07 MN/m <sup>2</sup>	0.07 MN/m <sup>2</sup>
Breakdown	In excess of three times maximum working stress	
Hardness (IRHD)	40 ± 3	40 ± 3
Density (Typical)	1050 kg/m <sup>3</sup>	1050 kg/m <sup>3</sup>
Temperature Range	-30°C to +70°C	-30°C to +70°C

### Static Deflection

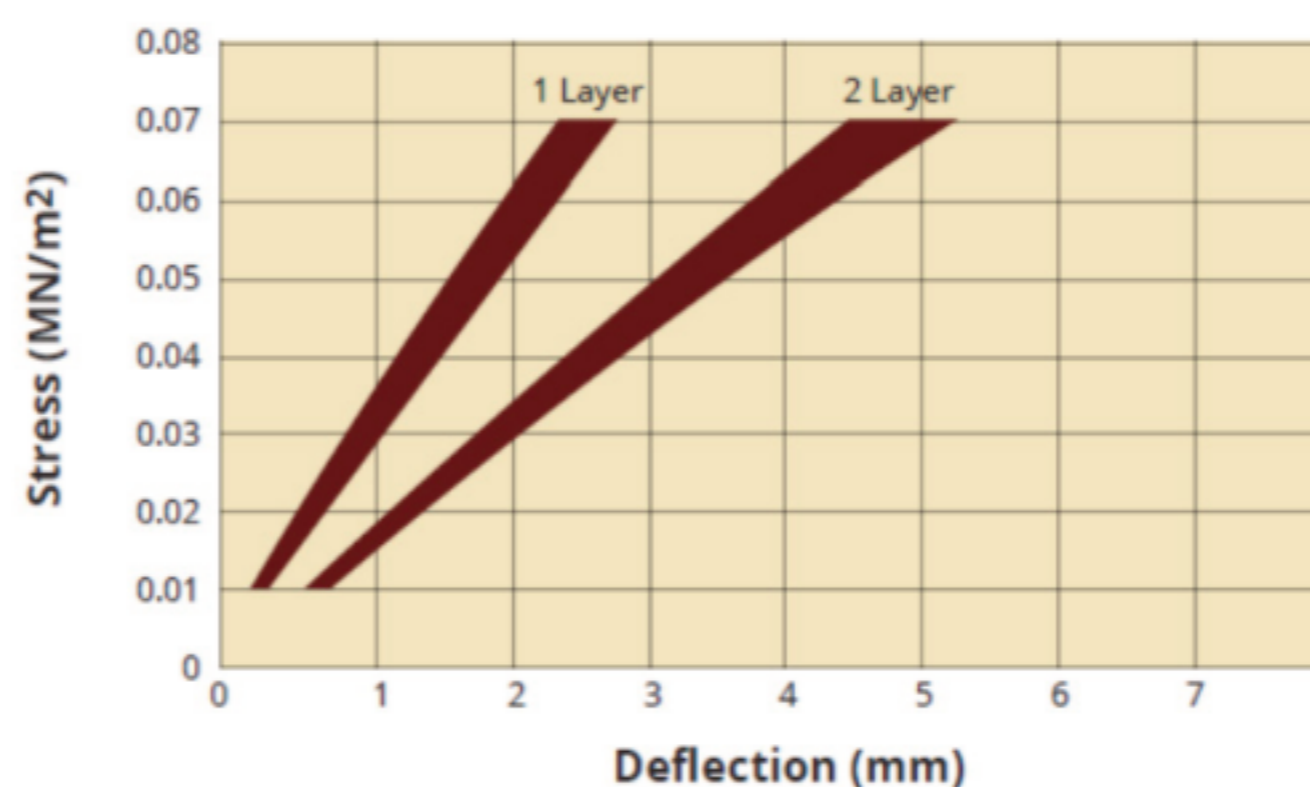
To Use Graph:

1. Calculate stress on pads in MN/m<sup>2</sup> using formula:-

$$\text{Stress in MN/m}^2 = \frac{\text{weight of machine in kg} \times 9.81 \div 1,000,000}{\text{Area of pad in m}^2}$$

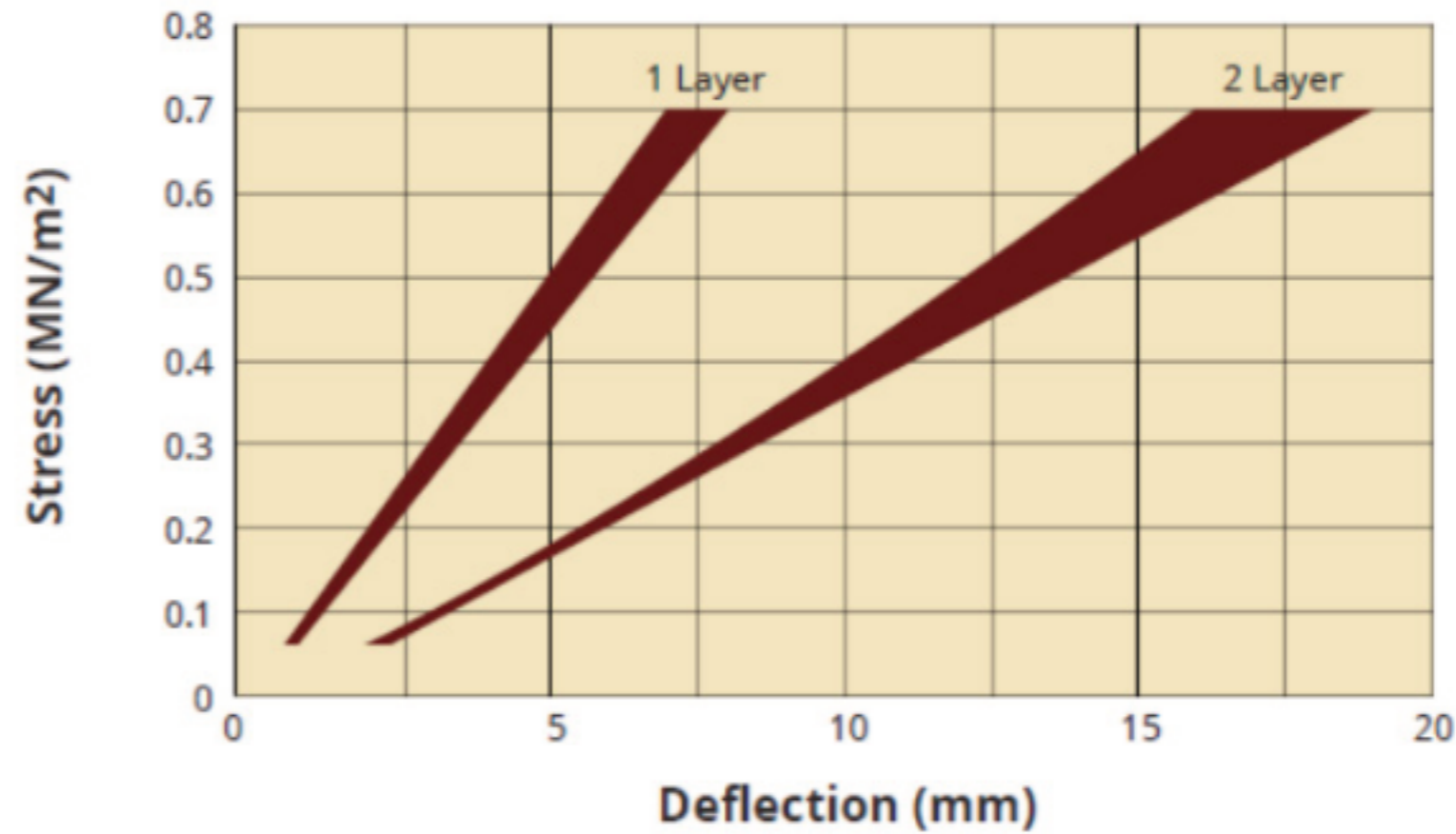
2. Project horizontal line from calculated stress to intercept desired thickness. Read deflection off horizontal axis of graph.

LF/PA/10:



The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.

LF/PA/80:

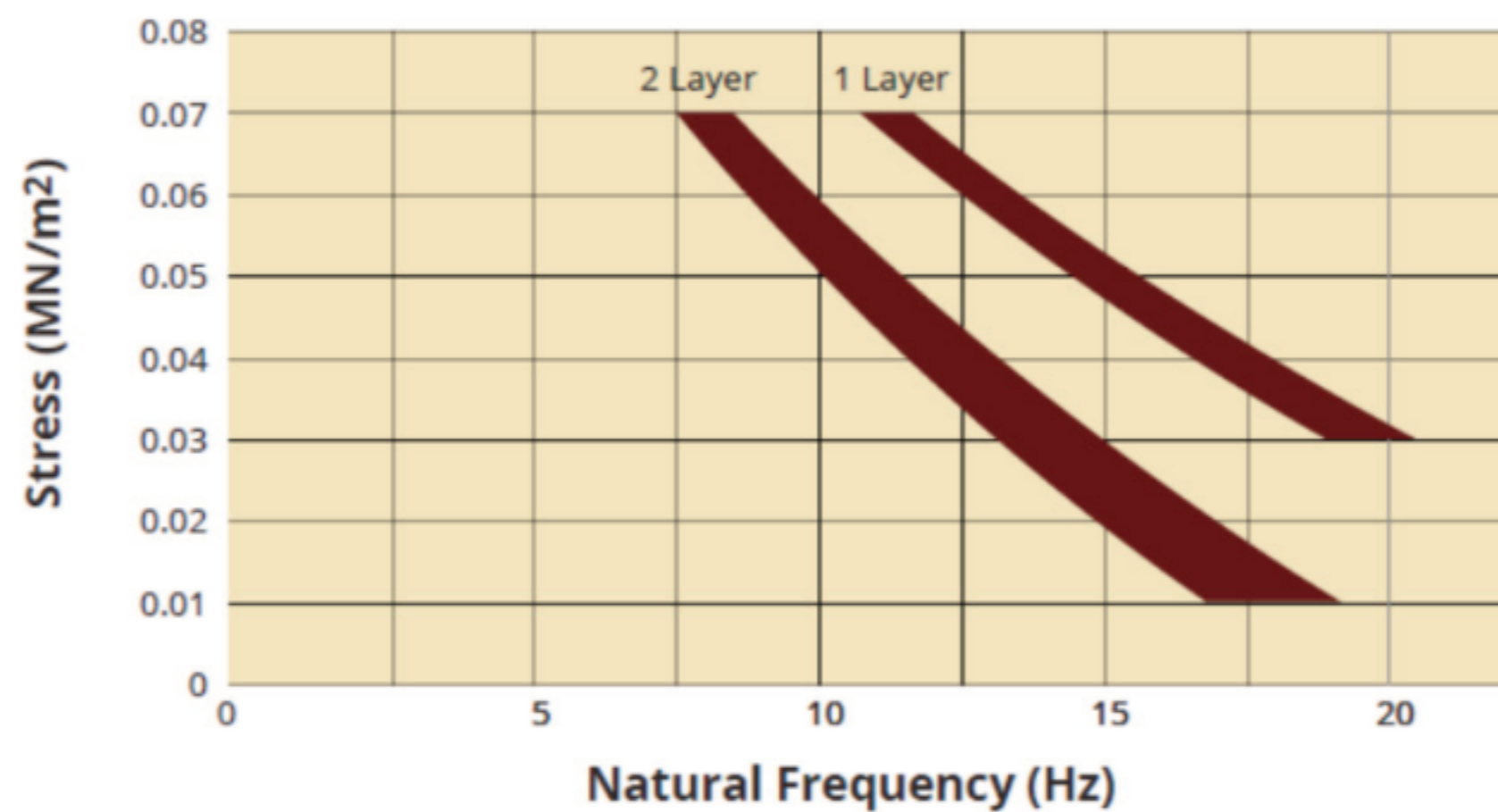


## Graphical Data

To Use Graph:

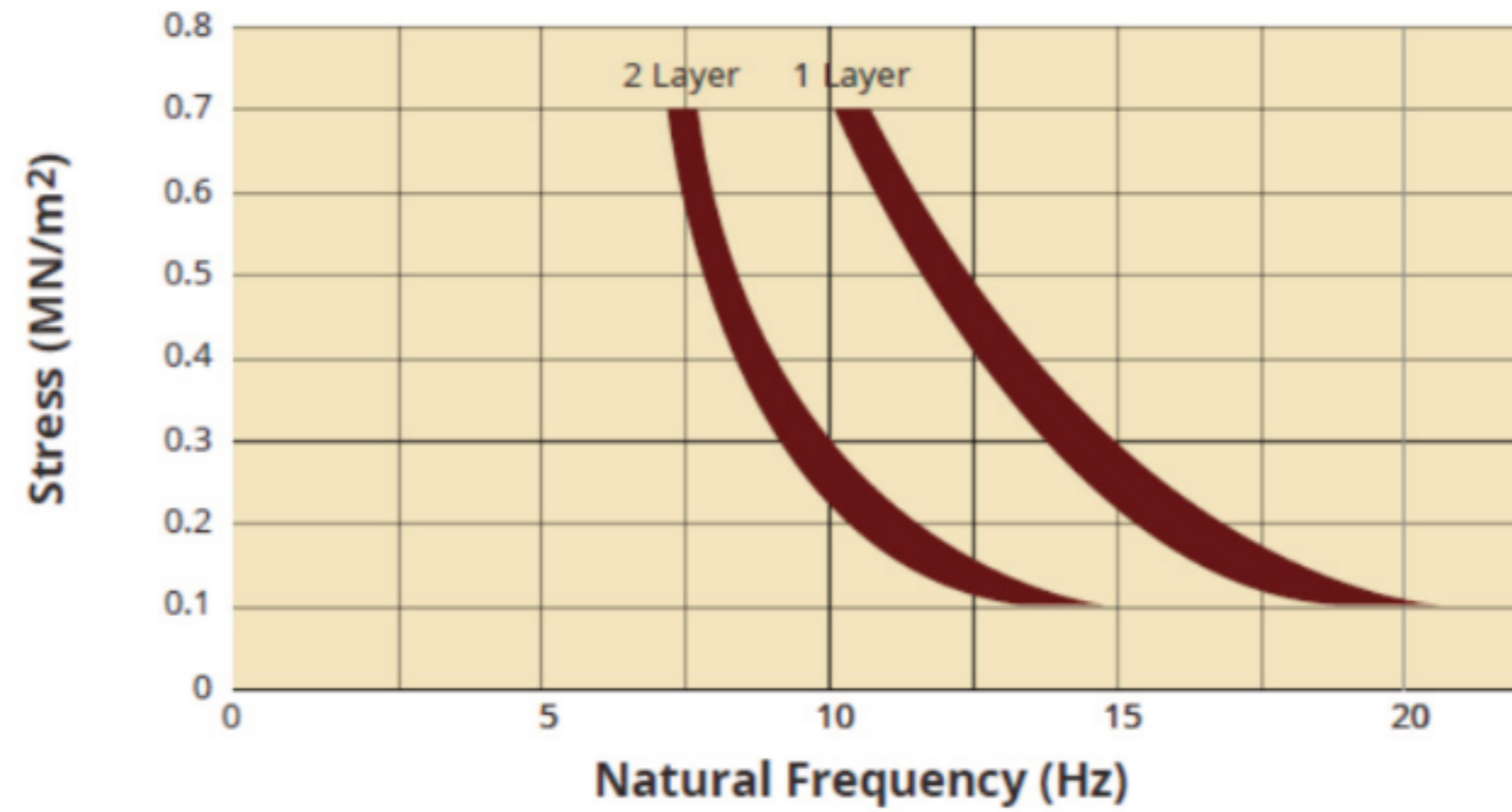
1. Calculate stress on pads MN/m<sup>2</sup> (see above page for formula)
2. Read from vertical axis across to desired pad thickness
3. Read natural frequency (fn) of horizontal axis

LF/PA/10



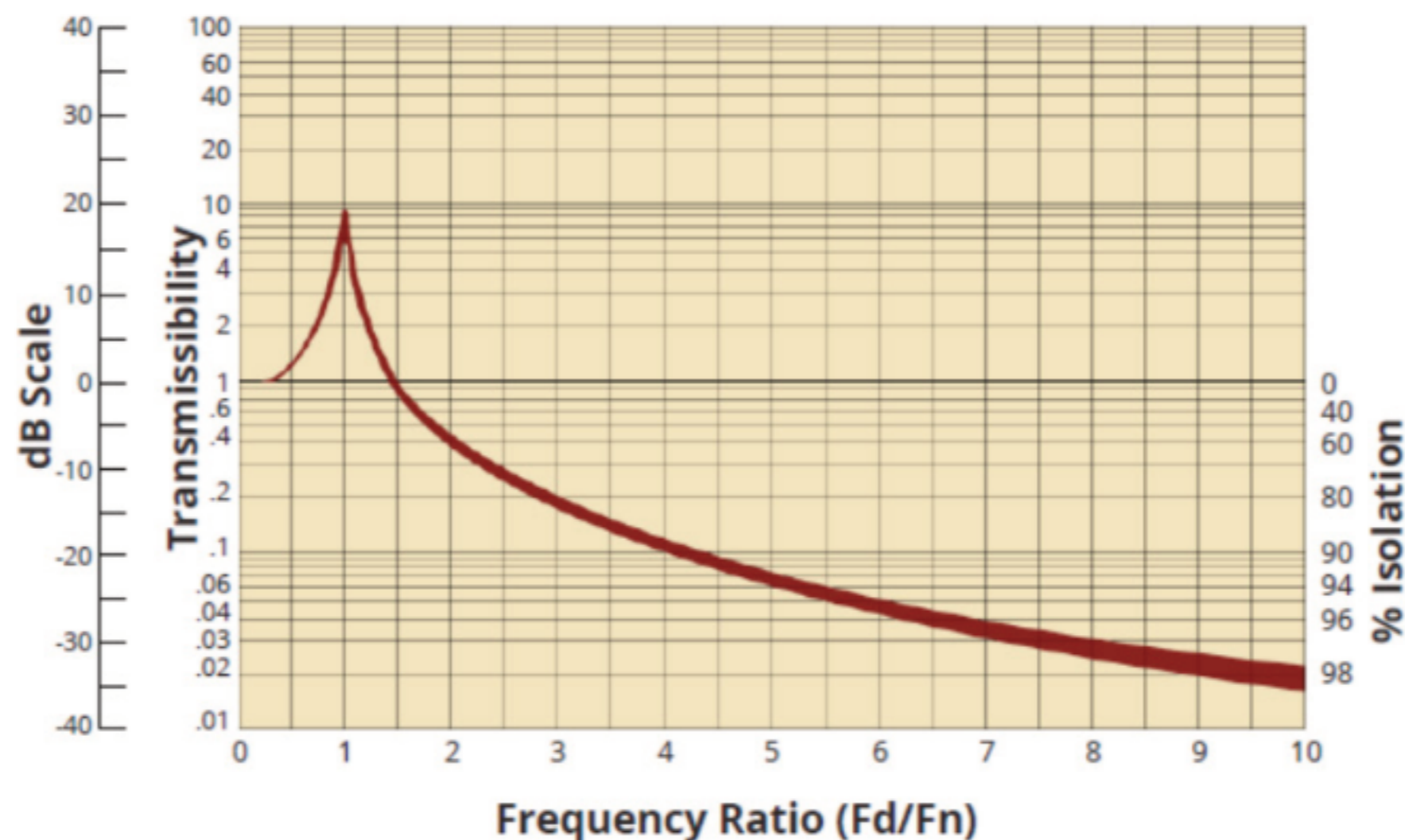
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LF/PA/80



## Isolation Efficiency

1. Ascertain disturbing frequency of plant to be isolated ( $f_d$ )
2. Calculate frequency ratio  $f_d/f_n$
3. From horizontal axis project a line up to curve of graph and read off isolation efficiency from right-hand side vertical axis.



**Note:** Isolation should be arranged so that the frequency ratio does not fall between 0.5 and 2.

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