Data sheet

U.S. Patent 6,514,146 **U.S. Patented Vibralow® Bellows Coupling**

Rubber Cover **Clamping Model "VLRC 120"**

《Rubber and a rubber cover outside the Bellows dampen oscillations to the lowest value》

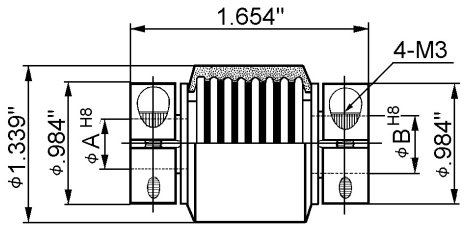
☆ A Chloroprene Rubber Cover and soft rubber filled into valleys outside the Bellows yield restoration to the coupling and quickly **dampen oscillations caused by stepping, servo and other motors.**

☆ Efficient torque transmission and accurate rotational positioning are achieved throughout the entire operational range.

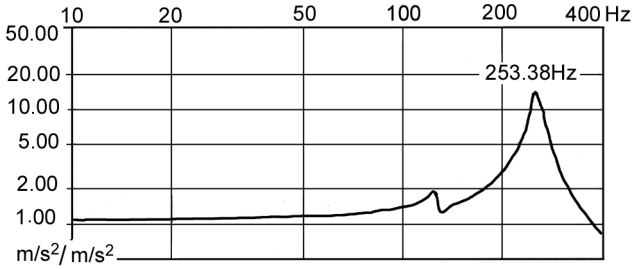
☆ The Vibralow Coupling requires precise installation to the shaft to keep long life.

(Thin Two-ply Bellows Clamping Coupling with rubber)

Part No. VLRC120-29-(A×B)



※ Oscillations under 100 hertz will quickly be dampened to a minimal value by rubber outside the Bellows.



☆ Natural Frequency: 253.38Hz

Part No.	φA in.	φB in.	Rated Torque kgfcm	Inertia gfcm²
VLRC120 - 1	1/4	1/4	25	121.41
VLRC120 - 2	5/16	1/4	25	121.24
VLRC120 - 3	5/16	5/16	25	121.07
VLRC120 - 4	3/8	5/16	25	120.74
VLRC120 - 5	3/8	3/8	25	120.41
VLRC120 - 6	8 mm	10 mm	25	120.59
VLRC120 - 7	10 mm	10 mm	25	120.13
VLRC120 - 29	Other bores		25	

※ Bores A and B can be specified from 0.236"" - 0.394" and customer sizes

Allowable Tolerance

Bore Diameters	H8
.118" ~ .236"	+.0007" ~ 0
(.236") ~ .394"	+.0009" ~ 0
(.394") ~ .709"	+.0011" ~ 0

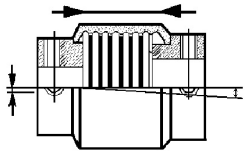
Technical Data

Rated Torque	25 kgfcm
Maximum Speed	15,180 rpm
Torsional Stiffness	3.06×10^{-4} rad. / kgfcm

Misalignment Capabilities

Linear Spring Rate 4.25 kgf/mm

Maximum Rated Lateral Misalignment = .0047"



Maximum Rated Angular Misalignment = 2.5 °

Maximum values are not additive, each assumes zero for the other, but lateral and angular misalignment can be combined proportionately: e.g. 50% of each

Materials	Brass bosses, with set screws, soldered to phosphorus bronze Bellows and Nickel plated throughout.	Part Number		VLRC120-29-A-B
		Scale	Free	**Yunika® Corporation, Tokyo**