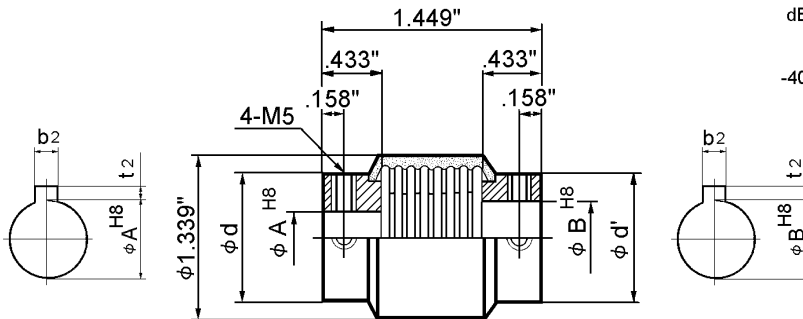


U.S. Patented Vibralow Couplings will ensure highly precise rotational positioning to your systems by dampening from oscillation caused by stepping, servo and other motors.

Coupling with Low Oscillation : Model " VL120K "

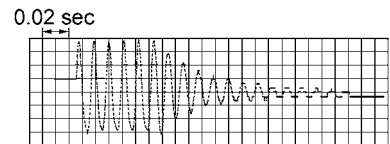
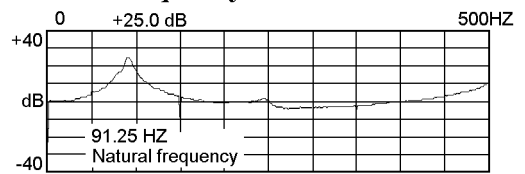
- ☆ U.S. Patented Vibralow Couplings *can be used as a vibration isolator between the shafts.*
- ☆ A *Chloroprene Rubber Cover outside a Bellows* of the Patented vibralow coupling yields *restoration to the coupling and quickly dampens oscillations* onto the shafts.
- ☆ Efficient torque transmission and *accurate rotational positioning is achieved* throughout the entire operational range.

Part No. VL120K-29-(A × B)



*: With keyways

Natural Frequency : 91.25 Hz



Damping time: within 0.3 seconds

Part No.	φ A	φ B	φ d	φ d'	Inertia _{gfc^m2}
VL120 K - 4	.500"	.500"	.984"	.984"	92.29
VL120 K - 5	.625"	.625"	1.063"	1.063"	104.39
VL120 K - 29	Other bores and customer sizes				

Standard Keyways

φ A or φ B	b2	t2
.315" ~ .393"	.118" ±.0005"	.055" ^{+.0039} ₀ "
.394" ~ .472"	.158" ±.0006"	.071" ^{+.0039} ₀ "
.473" ~ .669"	.197" ±.0006"	.091" ^{+.0039} ₀ "

Bores A and B can be specified from 0.313" - 0.631"

Technical Data

Maximum Torque	32 kgfcm
Maximum Speed	5475 rpm
Torsional Stiffness	3.06 × 10 ⁻⁴ rad. / kgfcm
Radial spring rate	1.17 kgf / mm

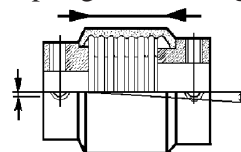
Allowable Tolerance

Bore Diameters	H8
.2363" ~ .3937"	+ .00087" ~ 0
.3938" ~ .7087"	+ .00106" ~ 0
.7088" ~ 1.1811"	+ .00130" ~ 0

Misalignment Capabilities

Linear spring rate 2.85 kgf/mm

Maximum Rated Lateral Misalignment = .004"



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		VL120K-29-A-B
		Scale	Free	Yunika[®] Corporation, Tokyo