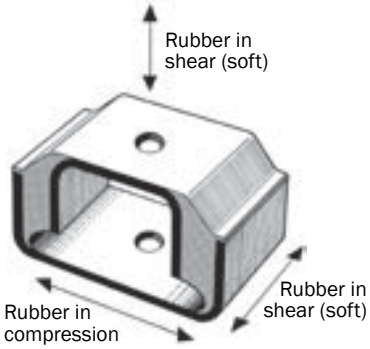
TRELLEBORG

BA™ & Double U Shear™

Features

Novibra® type BA and Metalastik® type Double U-Shear mountings utilise bonded rubber in shear to permit relatively high deflections. Provides excellent isolation of low frequencies. (Type BA 20/2 is a half section suitable for very light loads). On rotating equipment applications the soft axis should be at right angles to the shaft. On mobile applications the stiff axis should be aligned in the direction of travel.



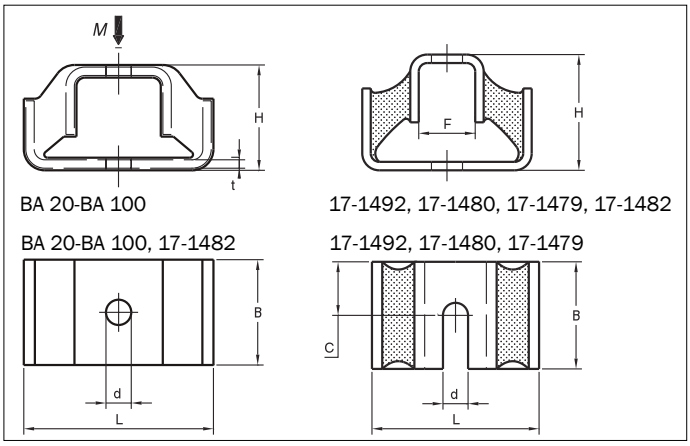
Stiffness values in the load-deflection selection diagrams refer to shear mode. Compression stiffnesses are n times larger, see adjoining table:

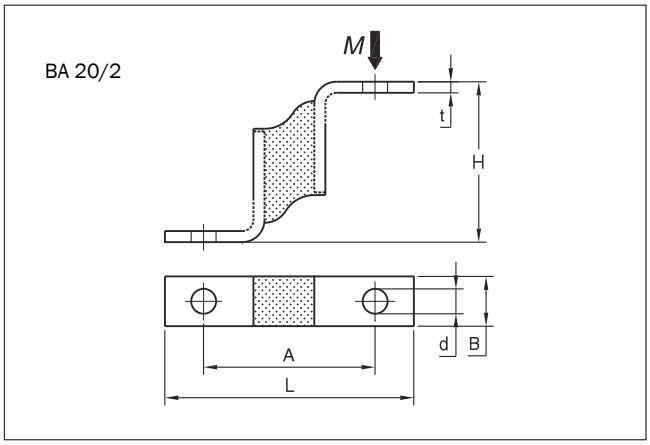
	n
17-1492	3.5
17-1480	6
17-1479	8
17-1482	3.5
BA 20	2.3
BA 50	3
BA 100	3.4

Novibra® type BA™
Metalastik® type Double U Shear™

Novibra® type BA and Metalastik® type Double U-Shear are equally suitable for isolating vibrations from low speed machines and equipment. Protects sensitive and lightweight units from external shocks and vibrations.
Type BA and Double U-Shear are easy to install and ideal for applications e.g.

- Transit cases
- Light fans and compressors
- Gauging equipment
- Portable gensets and pumps
- Computers and electronic units
- Measuring and test instruments





Type	Drawing no.	Part no. 40° IRH	Part no. 60° IRH	Dimensions in mm B	L	H	A	F	C	d	t	Weight (Kg)	*M*-Max (Kg) 40° IRH	60° IRH
BA 20/2	17-4345	10-00005	10-00006	20	90	58	62			8	4	0.09	12	27
BA 20	17-4035	10-00145	10-00146	20	90	50				10	4	0.16	20	35
BA 50	17-4036	10-00147	10-00148	50	90	50				12	4	0.42	60	110
BA 100	17-4037	10-00149	10-00150	100	90	50				15	4	0.83	130	250
		40° IRH	**50° IRH**										**40° IRH**	**60° IRH**
Double U-Shear														
	17-1492	10-00518	10-00519	19	60	43		19	10.3	6.7		0.09	14	20
	17-1480	10-00511	10-00512	51	80	78		32	25	13		0.6	70	100
	17-1479	10-00509	10-00510	64	86	108		38	32	16.7		1.1	150	220
	17-1482	10-00515	10-00516	51	60	41		20		11		0.2	37	56

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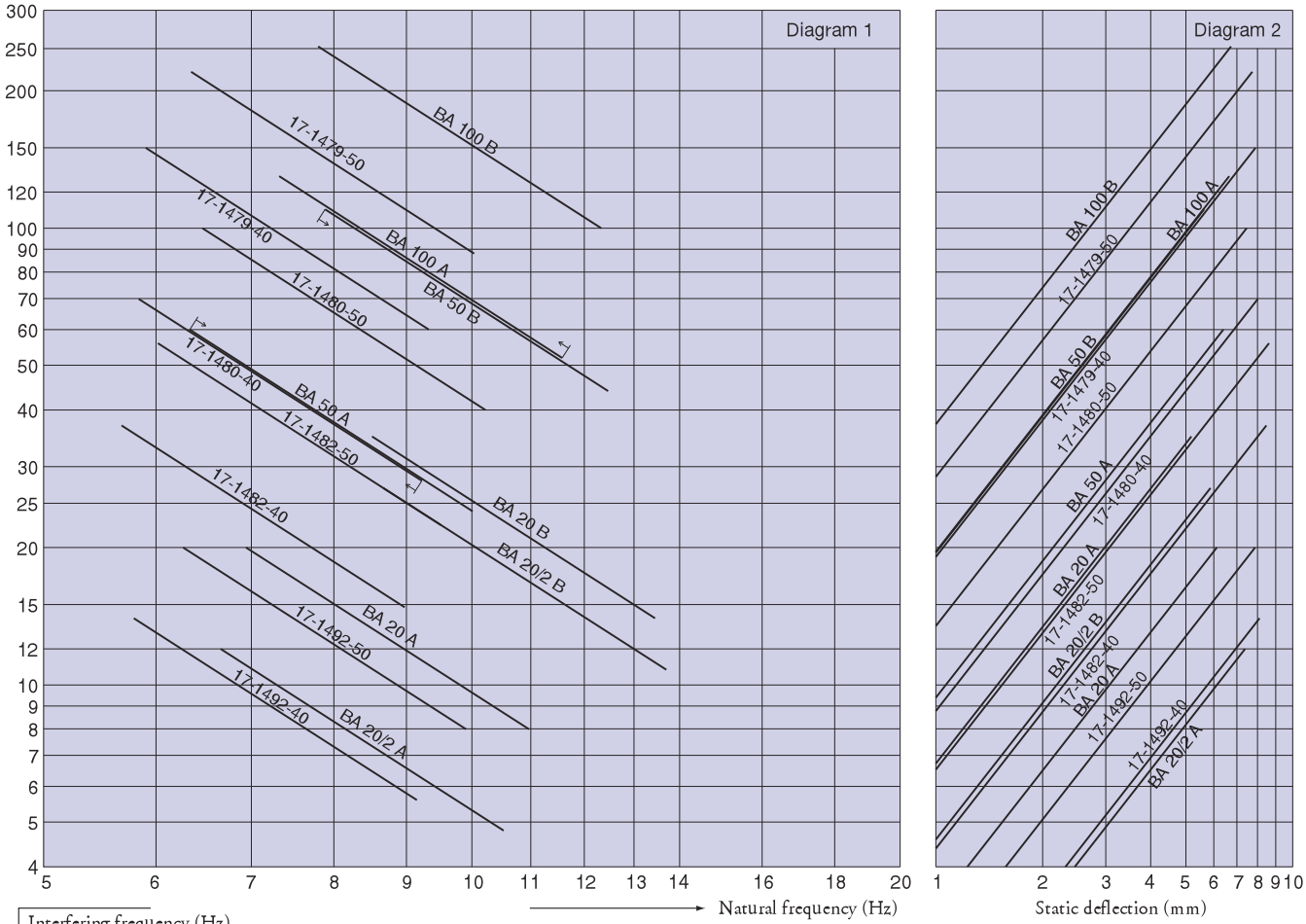
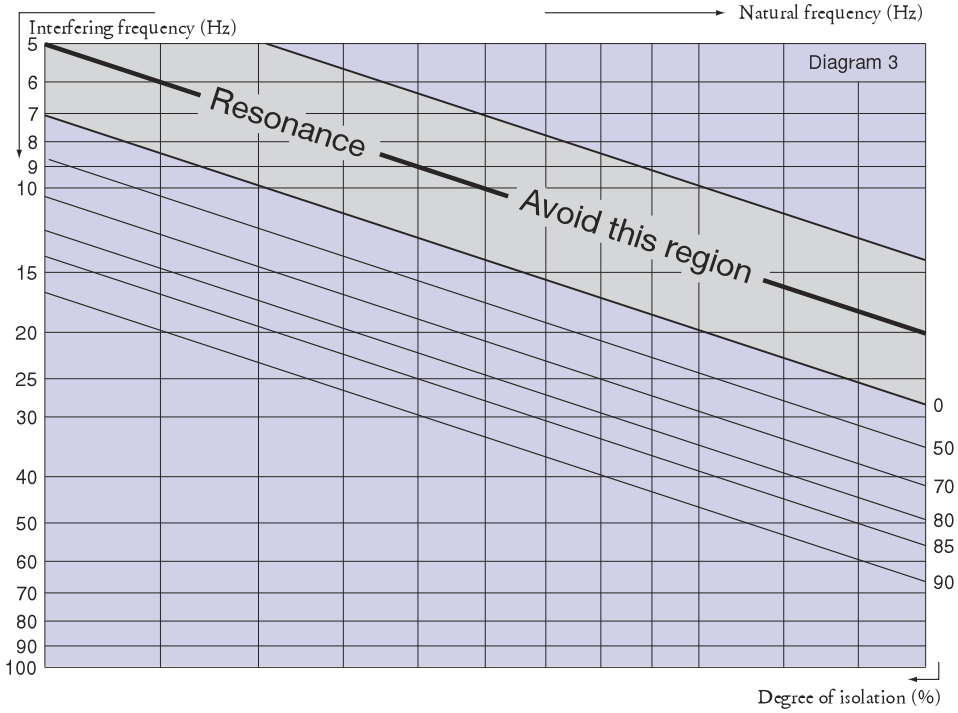
Note: The natural frequencies and degrees of isolation are based on dynamic characteristics of the mountings.

Load
per mounting (kg)





To select correct mounting, following data are needed:
1) Load per mounting (kg)
2) Interfering frequency (Hz)
(Hz = rpm / 60)
Select correct load line in diagram 1 and correct interference line in diagram 3.
The load line intersects with required type of mounting.
Connect this intersection point vertically down to the interference line in diagram 3. Here, on the sloping curve, the isolation degree is indicated.
For static deflection, see diagram 2.