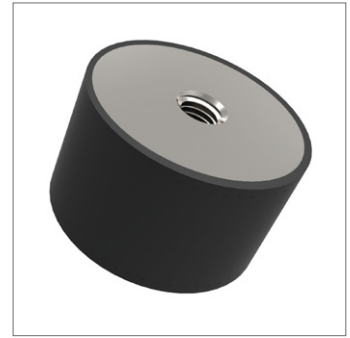




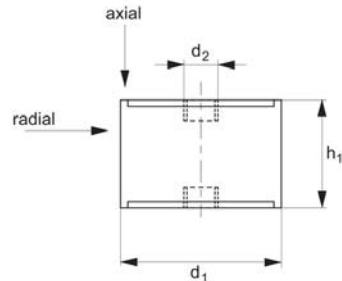
# Anti-vibration Cylinders

female:female

## Anti-Vibration



**61080**



ANTI-VIBRATION

### Material

Rubber on silver zinc plated steel (rubber hardness - 55 Shore A).

### Tips

These cylinders are used to reduce vibra-

tion by allowing some movement (in axial and radial as shown).

Typically used in machinery, compressors, air conditioning units, light engineering equipment etc.

Order No.	Compression max.	d <sub>1</sub>	h <sub>1</sub>	d <sub>2</sub>	Axial load kgf max.	Radial load N max.
61080.W0151	3.0	15	15	M 4	13	3
61080.W0152	4.0	15	20	M 4	10	3
61080.W0153	4.5	15	22	M 4	10	2.5
61080.W0154	5.0	15	25	M 4	9	2
61080.W0155	5.5	15	28	M 4	9	2
61080.W0201	4.0	20	20	M 6	25	4
61080.W0202	5.0	20	25	M 6	25	5
61080.W0203	7.0	20	30	M 6	25	3
61080.W0204	8.0	20	35	M 6	16	2
61080.W0251	4.0	25	20	M 6	50	8
61080.W0252	5.0	25	25	M 6	40	8
61080.W0253	6.0	25	30	M 6	30	8
61080.W0254	8.0	25	35	M 6	35	9
61080.W0301	4.0	30	20	M 8	90	11
61080.W0302	5.0	30	25	M 8	85	10
61080.W0303	6.0	30	30	M 8	80	10
61080.W0351	8.5	35	40	M 8	60	13
61080.W0401	8.0	40	30	M 8	150	18
61080.W0402	10.0	40	40	M 8	120	18
61080.W0403	12.5	40	50	M 8	80	18
61080.W0501	8.0	50	30	M10	250	29
61080.W0502	10.0	50	40	M10	220	29
61080.W0503	12.0	50	50	M10	200	28
61080.W0601	7.0	60	35	M10	350	39
61080.W0602	10.0	60	45	M10	300	42
61080.W0603	11.0	60	50	M10	285	42
61080.W0751	9.0	75	40	M12	500	72
61080.W0702	10.0	70	50	M10	350	52
61080.W0703	10.5	70	55	M10	230	52
61080.W0752	11.5	75	50	M12	330	65
61080.W0753	13.0	75	55	M12	450	65



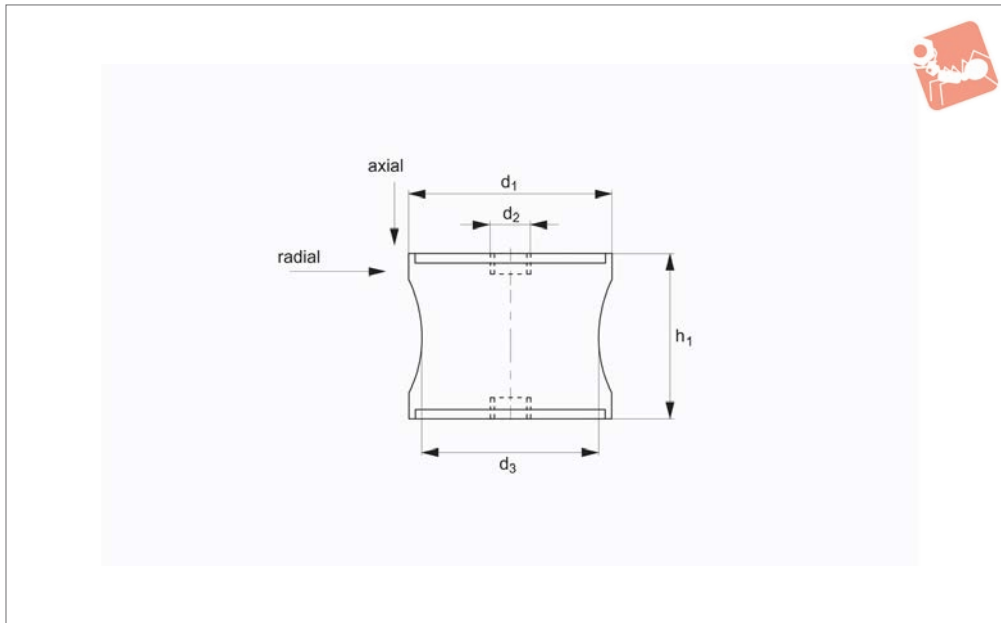
Order No.	Compression max.	d <sub>1</sub>	h <sub>1</sub>	d <sub>2</sub>	Axial load kgf max.	Radial load N max.
61080.W0801	15.0	80	70	M14	550	65
61080.W0901	8.0	100	40	M16	1200	95
61080.W0902	16.0	100	55	M16	775	97
61080.W0903	15.0	100	60	M16	1100	97
61080.W0904	16.0	100	100	M16	500	80
61080.W0931	6.0	130	40	M16	1900	120
61080.W0932	11.0	130	60	M16	680	100

ANTI-VIBRATION



# Anti-vibration Cylinders Waisted female:female

## Anti-Vibration



**61102**

ANTI-VIBRATION

**Material**

Rubber on silver zinc plated steel (rubber hardness - 55 Shore A).

**Technical Notes**

For rubber mounted on stainless steel see

part no. 61104

**Tips**

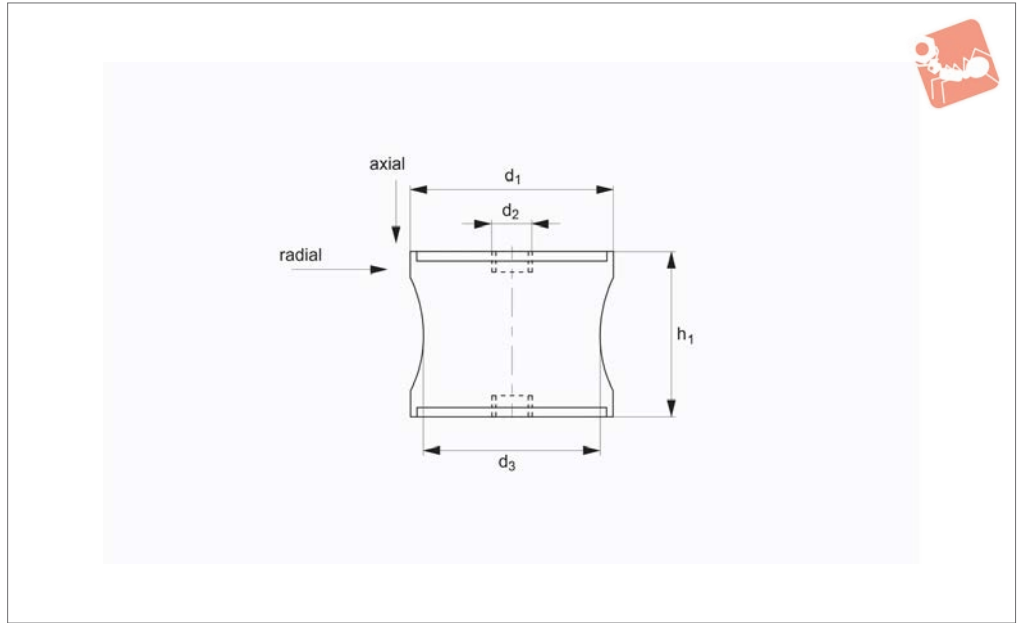
These cylinders are used to reduce vibration by allowing some movement (in axial and radial as shown in drawing).

Typically used in machinery, compressors, air conditioning units, light engineering equipment etc.

Order No.	Compression max.	d <sub>1</sub>	h <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	Axial load kgf max.	Radial load kgf max.
61102.W0200	2.5	20	20	M 6	12	12	3.0
61102.W0300	4	30	25	M 8	24	40	4.0
61102.W0400	5	40	28	M10	22	30	2.5
61102.W0600	5	60	36	M10	37	40	7.0
61102.W0601	4	60	43	M10	35	75	12
61102.W0602	6	60	60	M10	51	150	30
61102.W0700	6	70	56	M12	50	220	45
61102.W0900	4	90	50	M12	80	800	65
61102.W0950	9.5	95	76	M12	80	400	70
61102.W1080	10	108	85	M16	95	800	75



61104



ANTI-VIBRATION

**Material**

Rubber on A2 stainless steel (rubber hardness - 55 Shore A).

**Tips**

These cylinders are used to reduce vibration by allowing some movement (in axial and shear as shown in drawing).

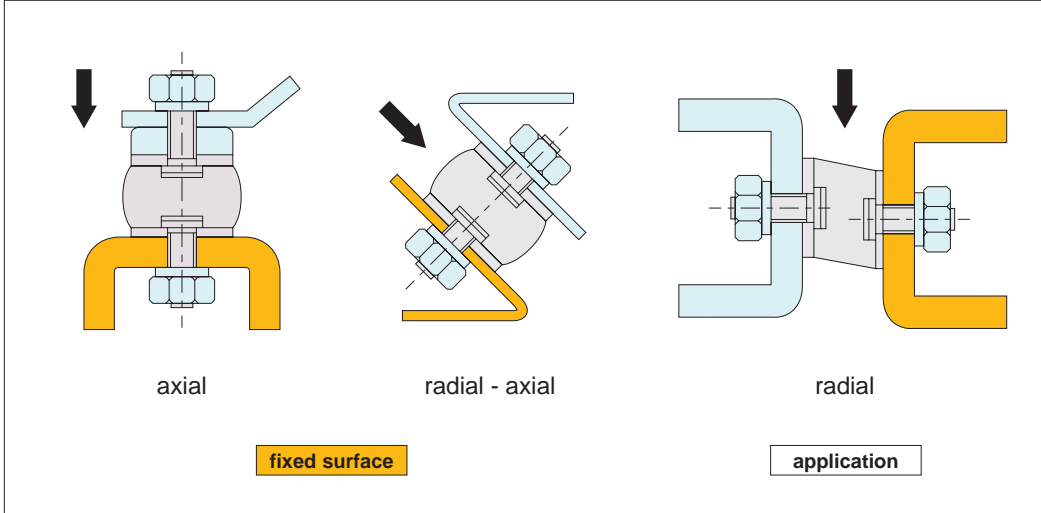
Typically used in machinery, compressors, air conditioning units, light engineering equipment etc.

Order No.	Compression max.	d <sub>1</sub>	h <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	Axial load kgf max.	Radial load N max.
61104.W0600	5	60	36	M10	37	90	7
61104.W0601	6	60	60	M10	51	150	30
61104.W0700	6	70	56	M12	50	220	45
61104.W0900	7	90	77	M12	79	500	70
61104.W1080	10	108	85	M16	95	800	75



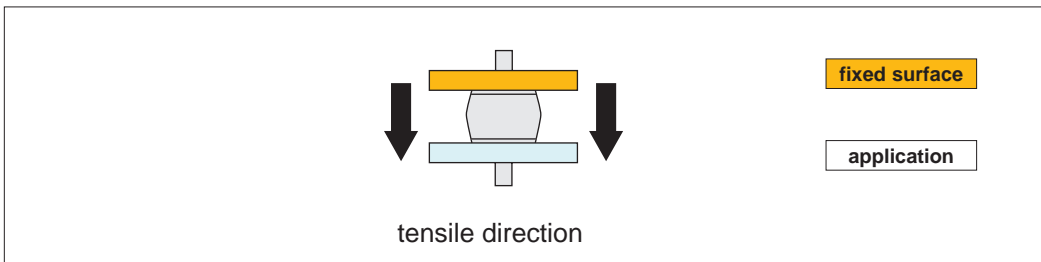
### Acceptable loads

Cylindrical mounts are never to be used in tension, they should only be used in axial or radial. Radial loads are however considerably less than axial loads. Parts with small diameters ( $d_1$ ) and relatively long lengths ( $h$ ) cannot accept radial loads.



### Installation

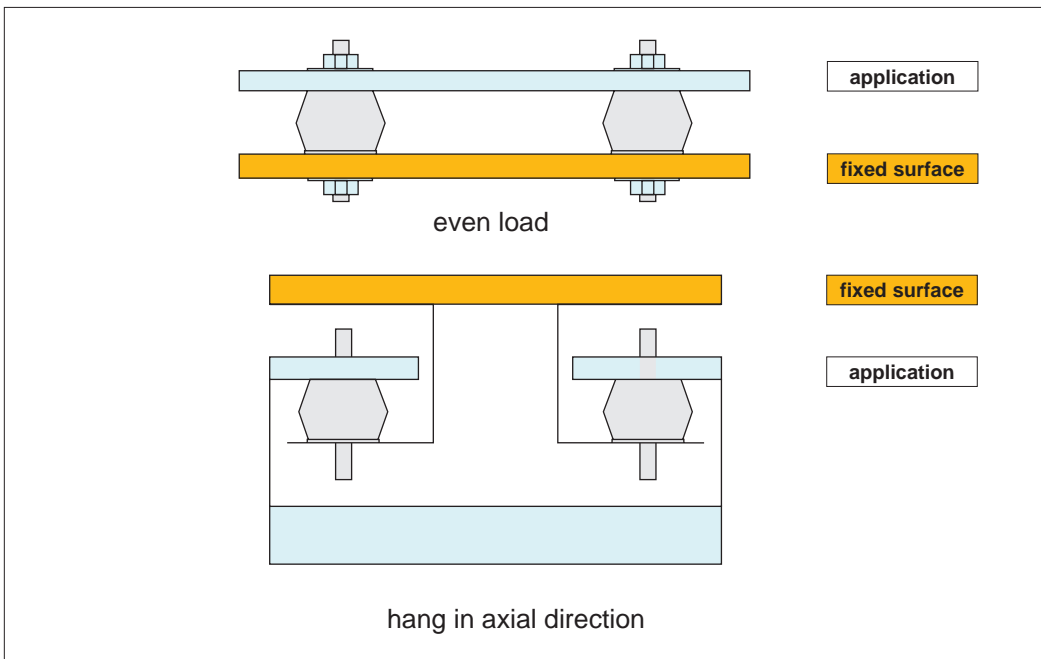
### Incorrect installation



### Correct installation

The height of the insulator may vary as the rubber is compressed under load.

Do not remove the rubber burr around the edge of the metal, this could cause detachment of rubber from the metal studs.



ov-W61040-AP2004-TW61242-AP2025-T-rmh-Updated-28-10-2022