

Rubber-Metal Bump Stops MGS with Threaded Stud

Material: Elastomer: Natural rubber, hardness 55° Shore A.
Metal parts: Steel, zinc-plated or stainless steel 1.4301 (AISI 304).



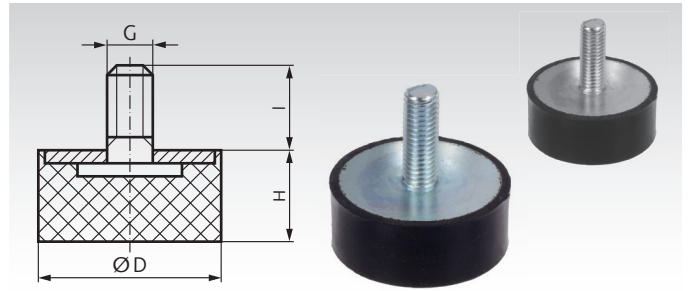
Metal on one side only.

For elastically mounting of power units or bump stops. Also to be used as machine feet for machines that cannot be fixed to the floor or are standing on floors with an easily damaged surface, e.g. office machines.

Temperature range: -40°C up to +80°C.

Other sizes, Shore hardnesses or elastomer types on request.

Ordering Details: z.B.: Product No.. 685 781 00, Bump Stop MGS, 10 mm



Product No. Zinc-plated	Product No. Stainless	D mm	H mm	G mm	I mm	Pressure Load		Weight g
						Spring Load CD medium N/mm	Permiss. Load F _{perm.} * N	
685 780 00	689 780 00	8	8	M3	6			1,0
685 781 00	689 781 00	10	10	M4	10	38	43	2,6
685 783 00	689 783 00	10	15	M4	10	13	43	2,9
685 786 00	689 786 00	15	7	M4	10	136	95	3,5
685 787 00	689 787 00	15	8	M4	10	122	95	3,6
685 788 00	689 788 00	15	10	M4	10	106	95	3,8
685 790 00	689 790 00	15	15	M4	10	74	95	7,3
685 791 00	689 791 00	20	5	M6	18	340	170	8,0
685 801 00	689 801 00	20	8	M6	18	330	170	7,9
685 801 11	689 801 11	20	11	M6	18	150	170	9,0
685 802 00	689 802 00	20	15	M6	18	138	170	10,3
685 802 20	689 802 20	20	20	M6	18	100	170	11
685 802 25	689 802 25	20	25	M6	18	80	170	14
685 803 08	689 803 08	25	8	M6	18	300	280	14
685 803 10	689 803 10	25	10	M6	18	270	280	14
685 803 00	689 803 00	25	15	M6	18	254	280	17
685 803 20	689 803 20	25	20	M6	18	128	280	20
685 803 25	689 803 25	25	25	M6	18	100	280	24
685 803 30	689 803 30	25	30	M6	18	80	280	30
685 804 15	689 804 15	30	15	M8	23	290	400	29
685 804 00	689 804 00	30	20	M8	20	200	400	27
685 804 25	689 804 25	30	25	M8	20	180	400	35
685 804 30	689 804 30	30	30	M8	20	120	400	35
685 804 40	689 804 40	30	40	M8	20	90	400	48
685 805 20	689 805 20	40	20	M8	23	340	650	52
685 805 00	689 805 00	40	30	M8	23	234	650	75
685 805 30	689 805 30	40	30	M10	28	240	650	74
685 805 40	689 805 40	40	40	M8	23	200	650	80
685 806 00	689 806 00	50	20	M10	28	680	1000	85
685 806 30	689 806 30	50	30	M10	28	425	1000	100
685 806 40	689 806 40	50	40	M10	28	390	1000	132
685 806 45	689 806 45	50	45	M10	28	350	1000	140
685 806 50	689 806 50	50	50	M10	28	310	1000	152
685 806 60	689 806 60	60	40	M10	28	470	1500	179
685 806 65	689 806 65	60	40	M12	33	460	1500	190
685 806 70	689 806 70	70	25	M10	28	650	1800	198
685 806 75	689 806 75	70	45	M10	28	800	1800	292
685 807 00	689 807 00	75	25	M12	37	2000	2300	241
685 807 40	689 807 40	75	40	M12	37	810	2300	320
685 807 50	689 807 50	75	50	M12	37	620	2300	357
685 807 55	689 807 55	75	55	M12	37	760	2300	384
685 808 20	-	100	20	M16	42	2500	4200	552
685 808 00	689 808 00	100	40	M16	42	1578	4200	535
685 808 50	689 808 50	100	50	M16	42	900	4200	628
685 808 55	689 808 55	100	55	M16	42	860	4200	665
685 808 60	689 808 60	100	60	M16	42	800	4200	709
685 808 75	689 808 75	100	75	M16	42	540	4200	840

Note for Spring Load and Mounting

For a linear resilience characteristic the Spring Load C means, for any operating point, the constant relation of load F [N] to jounce travel f [mm].

$$C = \frac{F}{f} \quad [\text{N/mm}]$$

In the technical data, these constants are stated as CD for pure pressure load and as CS for pure shear load.

* F_{perm.} is the permissible static permanent load, which may be overlaid by a dynamic, alternating load. With shearing load please take care that no tension load in the rubber occurs at all during mounting. To achieve a sufficient fatigue strength provide some compressive prestressing.

The stated permissible loads are only approximate, guideline values for the static load for "medium" rubber hardness. With particularly high, dynamic, alternating loads or high frequencies, the load figures have to be accordingly reduced.