

RUBBER-METAL ELEMENT TYPE GMS-1, GMS-2

RAIL ELEMENT, FLUSH OUTSIDE OR WITH Laterally PROTRUDING BASE RAIL



STRUCTURE TYPE GMS-1, GMS-2 METAL PARTS / RUBBER ELEMENT

- **Type GMS-1** with metal rails on both sides
- **Type GMS-2** with metal rails on both sides, protruding on one side
- Drilled mounting holes can be applied to the metal rails, on-site
- Material: 1.0038 (S235JR)
- Corrosion protection: oiled or electrogalvanized
- Rail-shaped rubber element with metal rails as per DIN 1017, vulcanized onto both sides

Rubber grade	NBR
Rubber hardness	medium – 60 Shore A
Possible uses	Water, gas, fuel oil, mineral oil

DIMENSIONS / STRESS TYPE GMS-1

B	H	h	s	L Length max.	Compressive stress Spring rate ref. to L = 100 mm C _z N/mm	Art. No.
mm	mm	mm	mm	mm		
20	30	20	5	500	670	51888100
25	30	20	5	500	920	51888200
40	35	19	8	500	2340	51888300
50	40	20	10	2000	3500	51888000
50	50	30	10	2000	1500	51887300
60	60	40	10	2000	1170	51887500
70	50	30	10	2000	2840	51887600
100	60	30	15	2000	5400	51887800
100	80	50	15	2000	2000	51887900
150	65	35	15	2000	7750	51874600
150	80	50	15	2000	4170	51874700

DIMENSIONS / STRESS TYPE GMS-2

B	H	h	S ₁	S ₂	L	L ₁	Compressive stress Spring rate C _z N/mm	Load F _{Tol} * N	Art. No.
mm	mm	mm	mm	mm	mm	mm			
50	40	20	12	8	200	150	4000	8000	51899400
50	40	20	12	8	270	220	7100	15000	51899500
100	60	30	15	15	480	360	18200	59000	51899600

* F_{Tol} is the **tolerable static permanent load**: a dynamic alternating load can be superimposed. The stated tolerable loads are only approximate indications for the static load.

NOTE

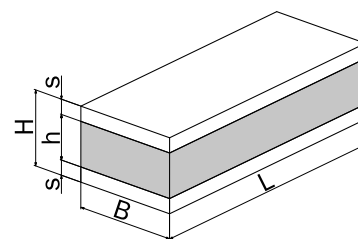
Rails with protruding base plate can be compressed under static load by approx. 10 % – 15 % of the rubber height h.

Please comply with general technical instructions. Subject to technical alterations and deviations resulting from the manufacturing process.

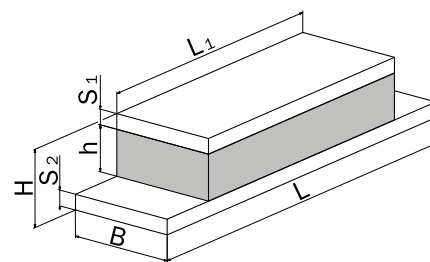
APPLICATIONS

- for extremely elastic bearing of heavy machines, e.g.
 - ship's engines
 - large stationary motors
 - lathes and milling machines
 - elevator motors
 - jolters and vibration machines
- for high loads
- for limited space
- for compressive stress
- for superimposed compressive/shearing stress
- for damping sound and vibration

VERSIONS



Type GMS-1
Screwable rubber-metal rail element



Type GMS-2
Screwable rubber-metal rail element - with protruding base rail at both ends