

# RUBBER-METAL ELEMENT TYPE GMP-3

## BUFFER ELEMENT, CYLINDRICAL CROSS SECTION WITH FEMALE THREAD



### STRUCTURE TYPE GMP-3 METAL PARTS / RUBBER ELEMENT

- Buffer element with nut thread (female thread) on both sides
- Material: 1.0038 (S235JR) / 8.8
- Corrosion protection: oiled or electrogalvanized
- Cylindrical rubber element with metal plates vulcanized onto both sides

<b>Rubber grade</b>	NBR
<b>Rubber hardness</b>	hard – 70 Shore A medium – 60 Shore A soft – 45 Shore A
<b>Possible uses</b>	Water, gas, fuel oil, mineral oil

### DIMENSIONS / STRESS

Ø D	H	h	s	G	t	Rubber hardness Shore A	Compressive stress Spring rate $c_z$ N/mm	Load $F_{tol}^*$ N	Art. No..	Pck. qty.
mm	mm	mm	mm	mm	mm					
20	25	22	1.5	M 6	6.5	60	120	170	51872000	80
20	25	22	1.5	M 6	6.5	45	70	100	51872500	80
30	30	24	3.0	M 8	9.5	60	360	430	51880900	60
30	30	24	3.0	M 8	9.5	45	210	250	51881300	60
40	30	24	3.0	M 10	9.5	60	550	660	51881000	40
50	30	24	3.0	M 10	10.5	70	1680	1520	51871600	20
50	30	24	3.0	M 10	10.5	60	1050	950	51872100	20
50	30	24	3.0	M 10	10.5	45	620	560	51872600	20
50	40	34	3.0	M 10	10.5	70	660	1570	51880700	20
50	40	34	3.0	M 10	10.5	60	410	980	51881100	20
75	50	44	3.0	M 12	12.5	70	980	3620	51880800	12
75	50	44	3.0	M 12	12.5	60	610	2010	51881200	12
75	50	44	3.0	M 12	12.5	45	360	1180	51881600	12
100	60	54	3.0	M 16	16.5	70	1360	4900	51871700	4
100	60	54	3.0	M 16	16.5	60	850	3060	51872200	4
100	60	54	3.0	M 16	16.5	45	500	1800	51872700	4
150	75	65	5.0	M 20	17.5	60	1630	9050	51872300	4
150	75	65	5.0	M 20	17.5	45	960	5320	51872800	4
200	100	90	5.0	M 20	17.5	60	2030	18880	51872400	4

\*  $F_{tol}$  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. Delivery only possible in the stated packaging quantities (far-right column).

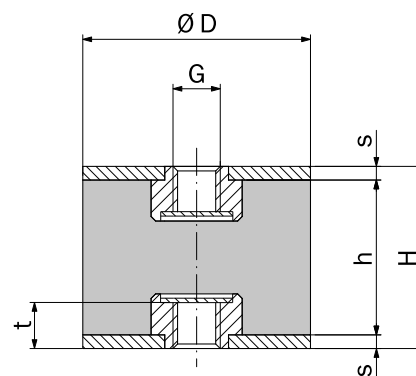
### NOTE

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

### APPLICATIONS

- for simple elastic bearings
- highly versatile in e.g.
  - mechanical engineering
  - electrical industry
- for damping sound and vibration
- for compressive stress
- for shearing stress
- for superimposed compressive/shearing stress

### VERSIONS



**Type GMP-3**  
With female thread