

# RUBBER-METAL ELEMENT TYPE GMP-1

## BUFFER ELEMENT, CYLINDRICAL CROSS SECTION WITH MALE THREAD



### STRUCTURE TYPE GMP-1 METAL PARTS / RUBBER ELEMENT

- Buffer element with threaded bolt (male 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	I	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					
18	8.5	4.5	2.0	M 6	11.0	70	800	540	00005938	100
18	8.5	4.5	2.0	M 6	11.0	60	500	340	00005939	100
18	8.5	4.5	2.0	M 6	11.0	45	300	200	00005940	100
18	8.5	4.5	2.0	M 6	16.0	70	800	540	51897600	100
20	15.0	11.0	2.0	M 6	16.0	60	180	300	51875800	100
20	15.0	11.0	2.0	M 6	16.0	45	110	180	51876600	100
25	20.0	14.0	3.0	M 6	16.0	70	350	740	51875100	60
25	20.0	14.0	3.0	M 6	16.0	60	220	460	51875900	60
25	20.0	14.0	3.0	M 6	16.0	45	130	270	51876700	60
30	15.0	10.0	2.5	M 8	21.0	60	590	880	51897700	60
30	20.0	14.0	3.0	M 8	21.0	70	570	1190	51875200	60
30	20.0	14.0	3.0	M 8	21.0	60	360	750	51876000	60
30	20.0	14.0	3.0	M 8	21.0	45	210	440	51876800	60
30	30.0	24.0	3.0	M 8	20.0	60	160	580	51897800	60
30	30.0	24.0	3.0	M 8	20.0	45	90	340	51898700	60
40	30.0	24.0	3.0	M 8	21.0	60	320	1150	51876100	20
40	40.0	34.0	3.0	M 8	21.0	70	320	1620	51875400	20
40	40.0	34.0	3.0	M 8	21.0	60	200	1020	51876200	20
50	20.0	14.0	3.0	M 10	18.5	70	2430	5100	51897000	12
50	20.0	14.0	3.0	M 10	18.5	60	1520	3190	51897900	12
50	20.0	14.0	3.0	M 10	18.5	45	890	1880	51898800	12
50	24.0	18.0	3.0	M 10	26.5	70	1490	4020	51897100	12
50	24.0	18.0	3.0	M 10	26.5	60	930	2510	51898000	12
50	30.0	24.0	3.0	M 10	26.5	70	900	3220	51875500	12
50	30.0	24.0	3.0	M 10	26.5	60	550	2010	51876300	12
50	30.0	24.0	3.0	M 10	26.5	45	330	1180	51877100	12
50	40.0	34.0	3.0	M 10	26.5	70	540	2770	51897200	12
50	40.0	34.0	3.0	M 10	26.5	60	340	1730	51898100	12
50	45.0	39.0	3.0	M 10	26.5	60	270	1580	51898200	12
50	45.0	39.0	3.0	M 10	26.5	45	160	930	51899100	12
75	55.0	49.0	3.0	M 12	39.0	70	640	4700	51897400	4
75	55.0	49.0	3.0	M 12	39.0	60	400	2940	51898300	4
75	55.0	49.0	3.0	M 12	39.0	45	235	1730	51899200	4
100	30.0	24.0	3.0	M 16	44.0	70	6160	22170	51897500	4
100	30.0	24.0	3.0	M 16	44.0	60	3850	13860	51898400	4
100	60.0	54.0	3.0	M 16	44.0	70	1360	11020	51875700	4
100	60.0	54.0	3.0	M 16	44.0	60	850	6890	51876500	4
100	60.0	54.0	3.0	M 16	44.0	45	500	4050	51877300	4

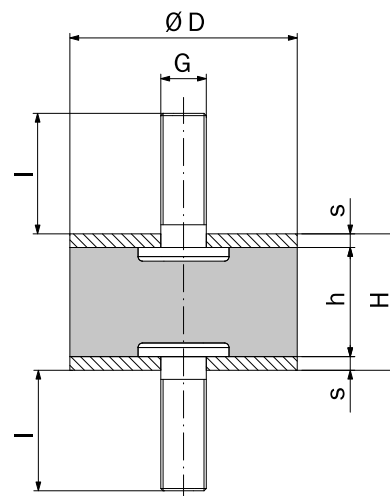
### NOTE

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-1**

Both sides with male thread

\*  $F_{tol}$  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).