



4 Type
E with female thread
S with threaded stud

d ₁	h	d ₂	Length l Type S	s	t Type E	Spring rate ≈ in N/mm			max. load in N			max. travel ≈ in mm
						Hard- ness 40	Hard- ness 55	Hard- ness 70	Hard- ness 40	Hard- ness 55	Hard- ness 70	
10	10	M 5	12	1,2	5	14	20	40	46	59	113	3
20	15	M 6	18	2	6	30	49	78	130	195	320	4
20	24	M 6	18	2	6	14	22	55	82	130	330	6
25	20	M 6	18	2	6	16	38	96	84	190	495	5
30	30	M 8	18	2	8	25	35	84	190	260	630	7,5
30	36	M 8	20	2	8	20	36	72	180	320	650	9
35	40	M 8	23	2	8	26	30	63	260	300	630	10
50	50	M 10	28	2	10	54	78	90	675	970	1120	12,5
50	61	M 8	28	2	8	32	39	100	490	600	1520	15,25
50	68	M 10	28	2	10	52	52	115	890	890	1950	17
70	58	M 12	37	3	12	82	110	140	1150	1520	1990	14
75	89	M 12	37	3	12	66	98	125	1330	1960	2540	20

* not available from stock, requires a minimum order quantity

Specification

- Natural rubber (NR)
 - black
 - vulcanized to the cover plates
 - temperature resistant up to 80 °C
 - Hardness Shore A ±5
 - soft* **40**
 - medium **55**
 - hard* **70**
- Cover plates, threaded bushings, threaded studs
Stainless Steel AISI 304
- Elastomer characteristics → Page 1483
- Stainless Steel characteristics → Page 1489
- RoHS

On request

- Rubber in gray

Information

Buffers GN 453 are used as end-stop buffers, e. g. for conveyor trolleys. They absorb most of the kinetic energy developing on impact. They act as dampers and prevent damaging shock and rebound. They also act as sound dampers. The parabolic shape of these buffers generates progressive resilience characteristics: impact and shock effects are absorbed gentler.

see also...

- Rubber buffers GN 351 / GN 451 → Page 1080
- Buffers GN 352 / GN 452 → Page 1081
- Mounting blocks GN 412.1 → Page 698

How to order	
1	d ₁
2	h
3	d ₂
4	Type
5	Hardness

GN 453-50-68-M10-E-55