



4 Type

- E** With internal thread
- S** With threaded stud

1 2 3

d ₁	h	d ₂	Length l	s	t ≈	Spring rate ≈ in N/mm			Max. load in N			Max. travel ≈ in mm	
						GN 353	GN 453	Hardness 40	Hardness 55	Hardness 70	Hardness 40		Hardness 55
10	10	M 5	12	1,2	5	5	14	20	40	46	59	113	3
20	15	M 6	18	2	6	6	30	49	78	130	195	320	4
20	24	M 6	18	2	6	6	14	22	55	82	130	330	6
25	20	M 6	18	2	6	6	16	38	96	84	190	495	5
30	30	M 8	18	2	8	8	25	35	84	190	260	630	7,5
30	36	M 8	20	2	8	8	20	36	72	180	320	650	9
35	40	M 8	23	2	8	8	26	30	63	260	300	630	10
50	50	M 8	23	2	8	8	40	68	134	506	850	1680	12,5
50	50	M 10	28	2	10	8	40	78	114	506	850	1420	12,5
50	58	M 8	23	2	8	8	32	60	121	460	865	1755	14,5
50	58	M 10	28	2	10	10	32	50	121	460	728	1755	14,5
50	61	M 8	28	2	8	8	32	39	100	490	600	1520	15,25
50	67	M 8	23	2	8	8	30	59	105	505	983	1763	16,75
50	68	M 10	28	2	10	8	52	52	115	890	890	1950	17
70	58	M 12	37	3	12	11	82	110	140	1150	1520	1990	14
75	89	M 12	37	3	12	11	66	98	125	1330	1960	2540	20
95	80	M 16	41	3	16	16	100	157	157	2000	3134	5560	20
115	136	M 16	41	3	16	16	78	129	230	2640	4390	7830	34

Specification

Rubber

Natural rubber (NR), black

• Vulcanized to the cover plate

• Operating temperature -40 °C to +80 °C

• Hardness Shore A ±5

- Soft **40**
- Medium **55**
- Hard **70**

GN 353

Cover plate / Threaded bushing / Threaded stud

Steel, zinc plated, blue passivated

GN 453

Cover plate / Threaded bushing / Threaded stud

Stainless steel AISI 304

Only in hardness 55

RoHS

On request

- Rubber in gray
- GN 453 in hardness 40 / 70

Buffers GN 353 / GN 453 are used as end stops.

They absorb impact energy during collisions, prevent damage due to heavy vibrations and minimize rebound. They also reduce noise and harmful vibrations.

The parabolic shape results in an increasing spring rate for particularly gentle damping of impacts.

Technical Information

Overview of Types Vibration Damping Elements / Buffers / Rubber Buffers

Technical Instructions Buffers / Rubber Buffers

Page

QVX

QVX

How to order (Steel)

1	d ₁
2	h
3	d ₂
4	Type
5	Hardness

GN 353-30-36-M8-E-55

How to order (Stainless steel)

1	d ₁
2	h
3	d ₂
4	Type
5	Hardness

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

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

