

## Buffers

### Retaining washer Stainless Steel

#### SPECIFICATION

Rubber  
Perbunan® (NBR)

- black
- vulcanized to the retaining washer
- temperature resistant up 120 °C
- Hardness Shore A ±5

soft **40**  
medium **55**  
hard **70**

Retaining washer  
Stainless Steel A2

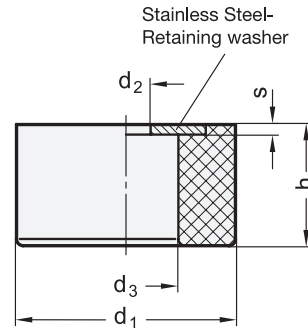


#### INFORMATION

Buffers GN 454 are used as end-stop buffers, e.g. conveyor trolleys. They can be fixed on the damping side with socket head cap screws DIN 912. They absorb most of the kinetic energy development on impact. They act as dampers and prevent damaging shock and rebound. They also act as sound dampers.

#### TECHNICAL INFORMATION

- Elastomer characteristics (see page A32)



#### GN 454

STAINLESS STEEL

Description	d1	h	d2	d3	s	Spring rate ≈ in N/mm	max. load in N (Hardness 55)	max. travel ≈ in mm	⚖
GN 454-16-8-4.3-40	16	8	4.3	8	1	75	150	2	2
GN 454-20-10-5.3-40	20	10	5.3	9.5	1.2	89	223	2.5	4
GN 454-25-12-6.4-40	25	12	6.4	11	1.6	113	340	3	7
GN 454-35-16-8.4-40	35	16	8.4	14	2	175	700	4	20
GN 454-42-20-8.4-40	42	20	8.4	17.5	2	220	1100	5	30
GN 454-42-20-10.5-40	42	20	10.5	17.5	2.5	220	1100	5	35
GN 454-56-24-8.4-40	56	24	8.4	19.5	2	333	2000	6	62
GN 454-56-24-13-40	56	24	13	19.5	3	333	2000	6	76
GN 454-16-8-4.3-55	16	8	4.3	8	1	140	280	2	2
GN 454-20-10-5.3-55	20	10	5.3	9.5	1.2	148	370	2.5	4
GN 454-25-12-6.4-55	25	12	6.4	11	1.6	210	630	3	8
GN 454-35-16-8.4-55	35	16	8.4	14	2	345	1380	4	20
GN 454-42-20-8.4-55	42	20	8.4	17.5	2	360	1800	5	30
GN 454-42-20-10.5-55	42	20	10.5	17.5	2.5	360	1800	5	35
GN 454-56-24-8.4-55	56	24	8.4	19.5	2	577	3460	6	62
GN 454-56-24-13-55	56	24	13	19.5	3	577	3460	6	76
GN 454-16-8-4.3-70	16	8	4.3	8	1	223	445	2	1
GN 454-20-10-5.3-70	20	10	5.3	9.5	1.2	240	600	2.5	4
GN 454-25-12-6.4-70	25	12	6.4	11	1.6	317	950	3	8
GN 454-35-16-8.4-70	35	16	8.4	14	2	599	2395	4	23
GN 454-42-20-8.4-70	42	20	8.4	17.5	2	668	3340	5	32
GN 454-42-20-10.5-70	42	20	10.5	17.5	2.5	668	3340	5	36
GN 454-56-24-8.4-70	56	24	8.4	19.5	2	1000	6000	6	67
GN 454-56-24-13-70	56	24	13	19.5	3	1000	6000	6	78



Machine elements 9