

Coupling elements

Product range

Specialists in industrial rubber seals and elastomer products

With many years of experience and expertise, as well as extensive specialist knowledge, we – as a recognised specialist – manufacture high-quality technical rubber products for industry, such as rubber profiles, moulded parts, hose rings, and profiled rings and frames..

Expertise in high-precision products

Our extensive expertise also covers the extrusion of complex profiles and the manufacture of large volume profiles. We produce all moulded parts to a consistently high standard of precision, with traceability for both series and batches.

For a wide range of application challenges

We supply companies of all sizes and across all sectors throughout Europe, for example in mechanical and plant engineering, the chemical industry, the automotive and electrical engineering sectors, as well as for use in the food and beverage industry and steel hydraulic engineering.

Customised production in any quantity

In addition to large and medium-sized batches, we also produce very small runs and bespoke custom-made items, right down to single pieces.

High-quality materials to meet every requirement

We process all types of materials across all sectors, including NR, NBR, HNBR, EPDM, CR, FKM, PU and silicone. All these materials are available in various degrees of hardness and colour options..



Coupling elements

Product range

Version 1.7.2026

Variants:

H-shape

100% compatible with Flender N-Eupex couplings

Abrasion-resistant **NBR grade (Perbunan®)** with high mechanical strength, 80 ±5 Shore A

All sizes listed are available from stock; **sizes 520 and above are available on request.**

Oval

· In **NBR grade (Perbunan®)** 80 ±5 Shore A, without fabric reinforcement

· In **Vulkollan®** grade 90 ±5 Shore A

All sizes listed are available from stock!

Raised

· In **NBR grade (Perbunan®)** 80 ±5 Shore A, without fabric reinforcement

All sizes listed are available from stock!

Square – rectangular elements for standard couplings

· In **NBR grade (Perbunan®)** 80 ±5 Shore A, without fabric reinforcement

· In **NBR grade (Perbunan®)** 80 ±5 Shore A, **with fabric reinforcement**

· In **Vulkollan®** grade 90 ±5 Shore A

All sizes listed are available from stock.

Coupling packages for additional geometries and other coupling types:

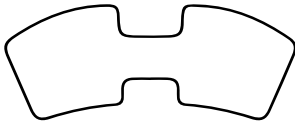
Many other shapes available. Simply send us your enquiry for other geometries with the subject line "Enquiry: Coupling packages" to info@al-extrusion.de.



H-shaped coupling elements (Flender N-Eupex)

100% compatible with Flender N-Eupex couplings

in abrasion-resistant NBR grade with high mechanical strength (Perbunan®) 80 ±5 Shore A



Size	Item no.	Pieces per set
68	KP00002	5
80	KP00003	6
95	KP00004	6
110	KP00011	6
125	KP00013	6
140	KP00014	6
160	KP00015	7
180	KP00010	8
200	KP00016	8
225	KP00017	8
250	KP00018	8
280	KP00019	8
315	KP00020	9
350	KP00021	9
400	KP00022	10
440	KP00023	10
480	KP00024	10

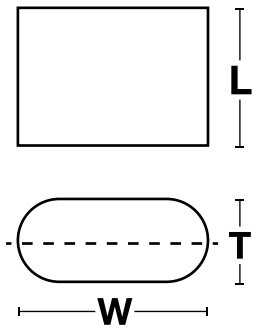
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Oval coupling elements

in NBR grade (Perbunan®) 80 ±5 Shore A, without fabric reinforcement



Size	Width (mm)	Length (mm)	Thickness (mm)	Item no.	Pieces per set
1	20	20	10	KP00030	3
2	20	20	10	KP00030	4
3-4	20	20	10	KP00030	5
5	25	20	12	KP00042	6
6	36	25	15	KP00043	6
7	36	25	15	KP00043	7
8	45	30	20	KP00044	7
9	45	30	20	KP00044	8
9a	60	40	25	KP00045	8
10	60	40	25	KP00045	8
10a	60	40	25	KP00045	10
11	60	40	25	KP00045	10
12	80	60	30	KP00046	8
13	80	60	30	KP00046	10
14	80	60	30	KP00046	10
15	80	60	30	KP00046	12

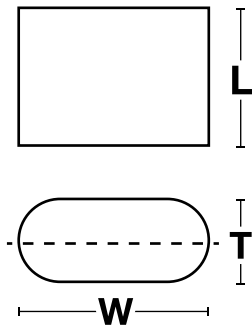
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Oval coupling elements

in **Vulkollan®** grade 90 ±5 Shore A



Size	Width (mm)	Length (mm)	Thickness (mm)	Item no.	Pieces per set
1	20	20	10	KP00105	3
2	20	20	10	KP00105	4
3-4	20	20	10	KP00105	5
5	25	20	12	KP00099	6
6	36	25	15	KP00100	6
7	36	25	15	KP00100	7
8	45	30	20	KP00101	7
9	45	30	20	KP00101	8
9a	60	40	25	KP00102	8
10	60	40	25	KP00102	8
10a	60	40	25	KP00102	10
11	60	40	25	KP00102	10
12	80	60	30	KP00103	8
13	80	60	30	KP00103	10
14	80	60	30	KP00103	10
15	80	60	30	KP00103	12

Many other shapes available.

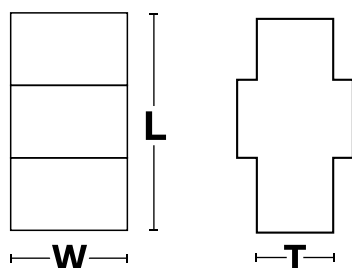
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Raised coupling elements (without fabric reinforcement)

in abrasion-resistant NBR grade with high mechanical strength

(Perbunan®), in a rectangular, raised design, **without fabric reinforcement**, 80 ±5 Shore



Dimensions without raised section.

Size	Width (mm)	Length (mm)	Thickness (mm)	Item no.	Pieces per set
B 5-6	15	21	10	KP00067	4
B 6	15	21	10	KP00067	5
B 8	20	23,5	10	KP00070	5
B 9	20	28,5	12	KP00071	5
A 10	20	34	14	KP00072	6
A 11	25	42	16	KP00073	6
A 12	30	52	20	KP00074	6
A 13	35	60	20	KP00104	8
A 14	40	60	24	KP00075	8
A 15	45	60	24	KP00076	10
A 16	50	61,5	28	KP00077	10
A 17	60	75	30	KP00078	10
A 18	70	87	34,5	KP00079	10
A 19	80	99	35	KP00080	12
A 20	90	127	40	KP00081	12
A 21	110	146	44,5	KP00082	12
A 22	140	186	55	KP00083	12
A 23	140	186	55	KP00083	14
A 24	170	200	65	KP00084	14

Many other shapes available.

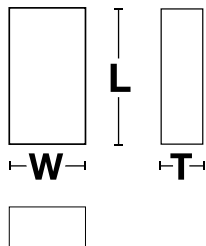
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Rectangular coupling elements (without fabric reinforcement)

in abrasion-resistant NBR grade with high mechanical strength (Perbunan®),
in a rectangular design, **without fabric reinforcements**, 80 ±5 Shore A



Size	Width (mm)	Length (mm)	Thickness (mm)	Item no.	Pieces per set
B 5-6	15	21	10	KP00005	4
B 7	15	21	10	KP00005	5
B 8	20	23,5	10	KP00025	5
B 9	20	28,5	12	KP00026	5
A 10	20	34	14	KP00027	6
A 11	25	42	16	KP00028	6
A 12	30	52	20	KP00029	6
A 13	35	60	20	KP00068	8
A 14	40	60	24	KP00031	8
A 15	45	60	24	KP00032	10
A 16	50	61,5	28	KP00033	10
A 17	60	75	30	KP00034	10
A 18	70	87	34,5	KP00035	10
A 19	80	99	35	KP00036	12
A 20	90	127	40	KP00037	12
A 21	110	146	44,5	KP00038	12
A 22	140	186	55	KP00039	12
A 23	140	186	55	KP00039	14
A 24	170	200	65	KP00040	14
A 25	190	220	70	KP00041	16

Many other shapes available.

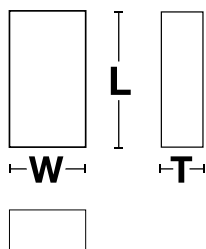
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Rectangular coupling elements (with fabric reinforcement)

in abrasion-resistant NBR grade with high mechanical strength (Perbunan®),
in a rectangular design, **with fabric reinforcements**, 80 ±5 Shore A



Size	Width (mm)	Length (mm)	Thickness (mm)	Item no.	Pieces per set
B 5-6	15	21	10	KP00049	4
B 7	15	21	10	KP00049	5
B 8	20	23,5	10	KP00050	5
B 9	20	28,5	12	KP00052	5
A 10	20	34	14	KP00053	6
A 11	25	42	16	KP00054	6
A 12	30	52	20	KP00055	6
A 13	35	60	20	KP00056	8
A 14	40	60	24	KP00057	8
A 15	45	60	24	KP00058	10
A 16	50	61,5	28	KP00059	10
A 17	60	75	30	KP00060	10
A 18	70	87	34,5	KP00061	10
A 19	80	99	35	KP00062	12
A 20	90	127	40	KP00063	12
A 21	110	146	44,5	KP00064	12

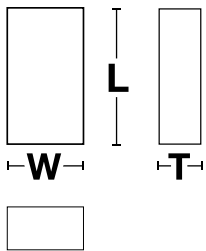
Many other shapes available.

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Rectangular coupling elements (without fabric reinforcement)

Vulkollan® coupling elements, rectangular design, 90 ±5 Shore A



Size	Width (mm)	Length (mm)	Thickness (mm)	Artikel-Nr.	Pieces per set
B 5-6	15	21	10	KP00085	4
B 7	15	21	10	KP00085	5
B 8	20	23	10	KP00086	5
B 9	20	29	12	KP00087	5
A 10	20	35	15	KP00088	6
A 11	25	43	15	KP00089	6
A 12	30	53	20	KP00090	6
A 13	35	59	20	KP00091	8
A 14	40	61	25	KP00092	8
A 15	45	61	25	KP00093	10
A 16	50	63	28	KP00094	10
A 17	60	75	30	KP00095	10
A 18	70	88	35	KP00096	10
A 19	80	98	35	KP00097	12
A 20	90	128	40	KP00098	12

Many other shapes available.

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Moulded parts

We manufacture moulded rubber parts and rubber-to-metal assemblies, with and without fabric reinforcements. Our state-of-the-art machinery enables us to achieve high-precision manufacturing, which is manual finishing. In addition, various markings or customer-specific features can be applied.

Coupling elements

Elastomer coupling elements made from high-quality synthetic rubber for FLENDER N-EUPEX couplings. Available in H-shaped, oval, raised and rectangular designs. A wide range of coupling elements and sizes is available from stock..

Hose rings

Dimensions: internal diameters from approx. 3 to 300 mm and external diameters from approx. 6 to 400 mm; lengths: heated on a mandrel, up to 2,000 mm in length, depending on the diameter
Finishes: smooth extruded or subsequently ground on the outside, with or without fabric reinforcements.
Subsequent manual finishing possible:
e.g. grooves, chamfers, recesses, perforations, crown grinding

Profiles

We manufacture rubber profiles up to 10,000 g/m. The possible cross-sections range from 3 to approx. 180 mm. Using high-performance automatic punching machines, we can produce sections of various lengths from almost all profile cross-sections.
We process the mouthpieces in-house, enabling us to respond quickly to any changes, corrections or modifications.

Profile rings and frames

Depending on the intended application, profile rings can be manufactured using various processes. We produce cold-bonded, free-hand vulcanised and mould-bonded profile cord rings and frames. Due to the different manufacturing processes, any quantity is possible..

Pigging technology

Separating pigs and cleaning pigs for pipework, e.g. for hygiene-related cleaning



AL Elastomer Extrusion GmbH
Göttinger Hof 9
30453 Hannover | Germany

☎ +49 5101 91296 0
✉ info@al-extrusion.de

@ www.al-extrusion.de

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