

DIN-chains in stock

VAV does not recommend an "own" type of chain. Capacity, type of bulk material, situation on site, and price / quality ratio determine the advice of our technicians. That is why VAV stocks a large number of double drag link chains and sprockets in various sizes.

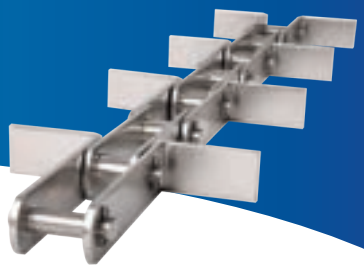
These chains can be custom-made, with a short delivery time, with plastic flights and/or steel welded scrapers. The standard pins are fitted with a circlip (unless otherwise stated). An overview of the chains available from stock can be found in the table below.

VAV double drag link chain (parameters in mm) available from stock

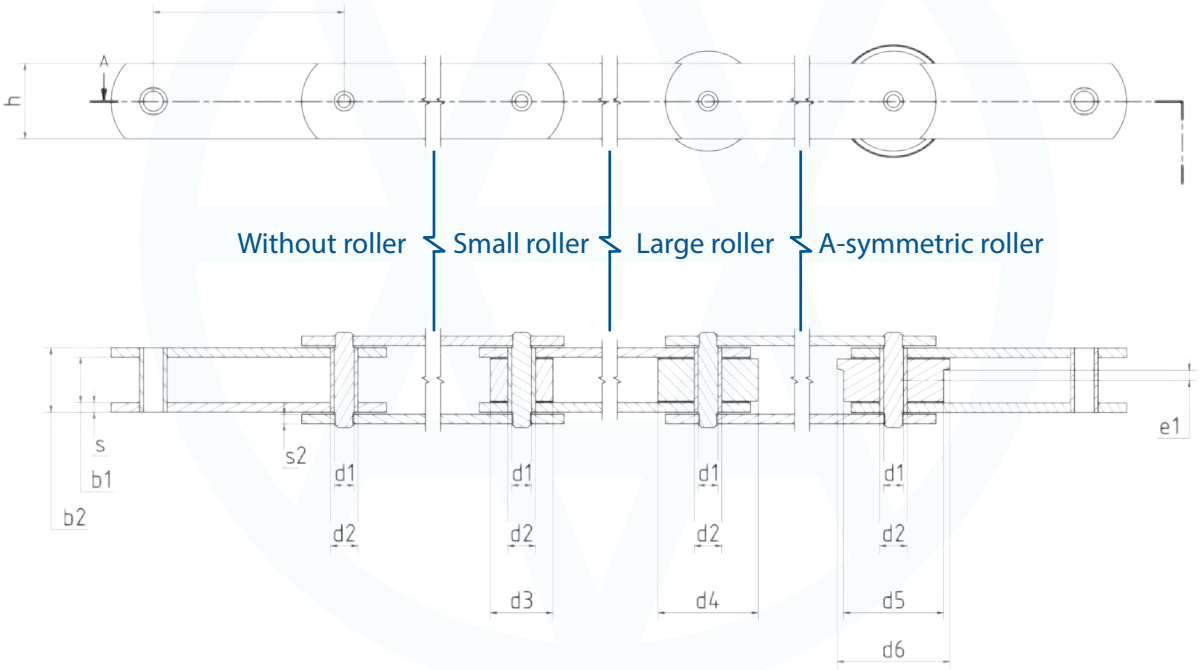
Pitch	Inner	Bush/pin	Plates	Breaking load
(p)	width (b1)	Ø (d1/d2)	(h x s)	in kN
66,27	28,5	**16 / 11	30 x 5	63
80	22	**18 / 12	30 x 4	63
80	25	20 / 14	35 x 5	90
80	25	*20 / 14	35 x 6	110
80	25	*20 / 14	35 x 8	110
80	30	22 / 16	40 x 6	112
80	35	30 / 20	50 x 8	180
100	22	18 / 12	30 x 4	63
100	25	20 / 14	35 x 5	90
125	25	20 / 14	35 x 5	90
125	30	22 / 16	40 x 6	112
125	32	**21 / 15	40 x 6	112
125	30	26 / 18	45 x 6	140
125	35	26 / 18	45 x 6	140
125	30	30 / 20	50 x 8	180
125	45	30 / 20	50 x 8	180
150	30	22 / 16	50 x 6	112
150	52	25 / 18	50 x 8	140
150	45	30 / 20	50 x 8	180
150	55	36 / 26	50 x 8	250
160	30	30 / 20	50 x 8	180
160	37	**25 / 18	50 x 7	160
160	45	30 / 20	50 x 8	180
160	55	36 / 26	60 x 10	250

* Splitpin execution
** Revited execution

DIN 8165 - FV

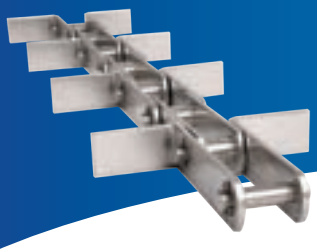


Double drag link chains according to DIN 8165 (FV) and DIN 8167 (M) are available with connecting pins in a circlip, split pin and riveted version. The steel scrapers can be L-shape bent, welded and / or bolted with plastic profiles. It is also possible to attache special VAV plastic scrapers on every outside link. The chains can also be fitted with rollers. Delivery in different materials, (inductive) hardened is possible on request.



DIN 8165 - FV - Double drag link chain (parameters in mm)										
Breaking load in kN	63	90	112	140	180	250	315	400	500	630
Inner width (b1)	22	25	30	35	45	55	65	70	80	90
Bush Ø (d2)	18	20	22	26	30	36	42	44	50	56
Pin Ø (d1)	12	14	16	18	20	26	30	32	36	42
Plate height (h)	30	35	40	45	50	60	70	70	80	100
Plate thickness (s)	4	5	6	6	8	8	10	12	12	12
Small roller (d3)	26	30	32	36	42	50	60	60	70	80
Large roller (d4)	40	48	55	60	70	80	90	100	110	120
A-symmetric (d5/d6)	50/60	63/73	72/87	80/95	100/120	125/145	140/170	150/185	160/195	170/210
Angle acc. DIN	30x4	40x5	40x6	50x7	50x7	65x7	70x9	70x11	80x12	100x12

Available in pitch (p): 40 - 50 - 63 - 80 - 100 - 125 - 135 -150 - 160 - 200 - 250 mm.
Other sizes and materials are available on request.



DIN 8167 - M

DIN 8167 - M - Double drag link chain (parameters in mm)									
Breaking load in kN	56	80	112	160	224	315	450	630	900
Inner width (b1)	24	28	32	37	43	48	56	66	78
Bush Ø (d2)	15	18	21	25	30	36	42	50	60
Pin Ø (d1)	10	12	15	18	21	25	30	36	44
Plate height (h)	30	35	40	50	60	70	80	100	120
Plate thickness (s)	4	5	6	7	8	10	12	14	16
Small roller (d3)	21	25	30	36	42	50	60	70	85
Large roller (d4)	42	50	60	70	85	100	120	140	170
A-symmetric (d5/d6)	42/50	50/60	60/70	70/85	85/100	100/120	120/140	140/170	170/210
Angle acc. DIN	40x4	40x4	50x6	50x6	60x8	70x9	70x9	100x12	120x15

Available in pitch (p): 40 - 50 - 63 - 80 - 100 - 125 - 135 -150 - 160 - 200 - 250 mm.
Other sizes and materials are available on request.

Pins

Pins are available various executions and in materials:
16MnCr5, 42CrMo4i, 1.4034i, 1.4122i, 1.4462, 1.4713. Other materials on request.



Circlips



Split pins



Circlip - revited



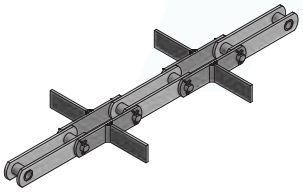
Split pin - head pin

Examples of double drag link chain with scrapers

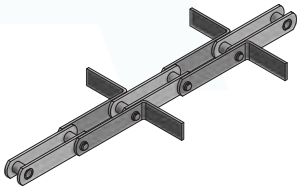
Double drag link chain can be produced in various executions. Outer links can be bent in L-shape scrapers or provided with plastic flights. Internal and external links can be provided with welded scrapers. Of course, a combination is possible.



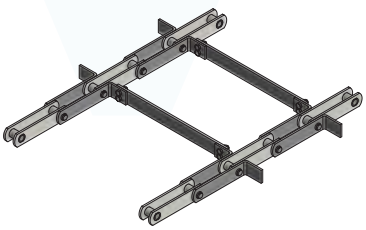
With plastic scrapers



T-shape welded



L-shape bended



Double strand
with cross bar

Sprockets



Sprockets for double drag link chain

Sprockets are with or without teeth (return sprockets) and wear-resistant due to the hardening on the teeth. These sprockets have a symetrical hub and are divisible, making them easy to (dis) assemble. The following versions are available ex stock. Different dimensions are possible on request.

Sprockets for double drag link chain available ex stock (parameters in mm)					
Pitch	Inner width	Bush Ø	Pitch Ø (p x n)		
			6 teeth	8 teeth	7 teeth
63	22	18	126,00	164,63	x
80	22	18	160,00	209,05	x
100	22	18	200,00	261,31	x
125	25 / 30 / 35 / 45	20 / 22 / 26 / 30	250,00	326,64	x
150	30 / 45	22 / 30	x	x	345,71
160	30 / 45	30	320,00	418,10	x

Pitch diameter calculation									
z = number of teeth, n = conversion factor									
Pitch Ø (in mm) = Pitch of the chain x n									
z	n	z	n	z	n	z	n	z	n
6	2,0000	9	2,9238	12	3,8637	15	4,8097	18	5,7588
7	2,3048	10	3,2361	13	4,1786	16	5,1258	19	6,0755
8	2,6131	11	3,5495	14	4,4940	17	5,4422	20	6,3925



Sprockets from VAV are divisible, for quick (dis) assembly.