

**Cornières à ailes égales ▼**

Dimensions: EN 10056-1: 1998

Tolérances: EN 10056-2: 1994

Etat de surface: conforme à EN 10163-3: 2004, classe C, sous-classe 1

**Equal leg angles ▼**

Dimensions: EN 10056-1: 1998

Tolerances: EN 10056-2: 1994

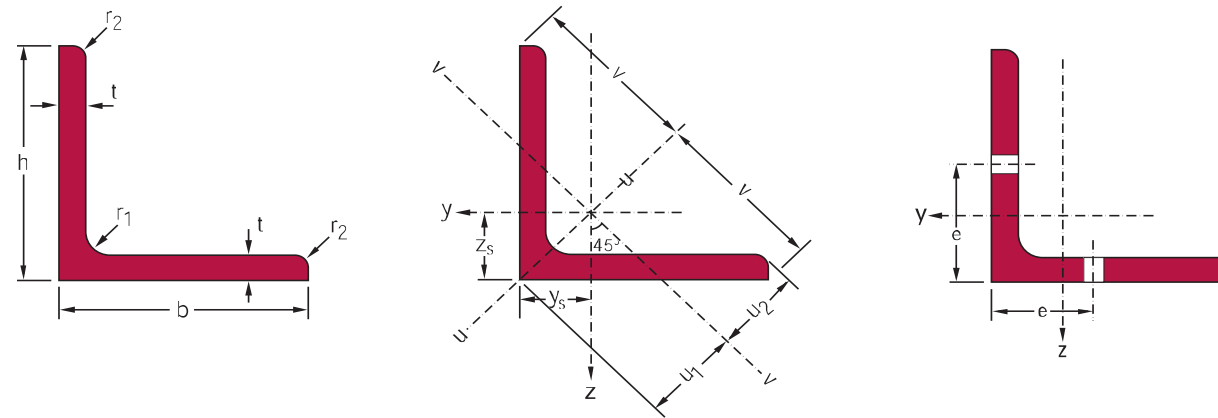
Surface condition: according to EN 10163-3: 2004, class C, subclass 1

**Gleichschenkliger Winkelstahl ▼**

Abmessungen: EN 10056-1: 1998

Toleranzen: EN 10056-2: 1994

Oberflächenbeschaffenheit: Gemäß EN 10163-3: 2004, Klasse C, Untergruppe 1



Désignation Designation Bezeichnung	Dimensions Abmessungen	Position des axes Position of axes Lage der Achsen	Valeurs statiques / Section properties / Statische Kennwerte												
			axe y-y / axe z-z axis y-y / axis z-z Achse y-y / Achse z-z			axe u-u axis u-u Achse u-u		axe v-v axis v-v Achse v-v							
			$I_y=I_z$ $W_{el,y}=W_{el,z}$ $i_y=i_z$	$I_u$	$I_v$	$I_{yz}$	$W_{el,y}$	$W_{el,z}$	$i_y$	$i_z$	$i_u$	$i_v$			
G	h = b	t	r <sub>1</sub>	r <sub>2</sub>	A	z <sub>s</sub> =y <sub>s</sub>	v	u <sub>1</sub>	u <sub>2</sub>	I <sub>y</sub> =I <sub>z</sub>	W <sub>el,y</sub> =W <sub>el,z</sub>	i <sub>y</sub> =i <sub>z</sub>	I <sub>u</sub>	I <sub>v</sub>	I <sub>yz</sub>
kg/m	mm	mm	mm	mm	mm <sup>2</sup> x10 <sup>2</sup>	mm	mm	mm	mm	mm <sup>4</sup> x10 <sup>4</sup>	mm <sup>3</sup> x10 <sup>3</sup>	mm	mm <sup>4</sup> x10 <sup>4</sup>	mm <sup>4</sup> x10 <sup>4</sup>	mm <sup>4</sup> x10 <sup>4</sup>

L 20 x 20 x 3	0.879	20	3	3.5	2.0	1.12	0.596	1.41	0.843	0.700	0.388	0.276	0.589	0.614	0.740	0.162	0.380	-0.226
L 25 x 25 x 3	1.11	25	3	3.5	2.0	1.42	0.721	1.77	1.02	0.877	0.796	0.448	0.749	1.26	0.944	0.329	0.481	-0.467
L 25 x 25 x 4	1.45	25	4	3.5	2.0	1.85	0.761	1.77	1.08	0.892	1.01	0.582	0.740	1.60	0.930	0.425	0.479	-0.587
L 30 x 30 x 3	1.36	30	3	5	2.5	1.74	0.835	2.12	1.18	1.05	1.40	0.649	0.899	2.23	1.13	0.579	0.578	-0.825
L 30 x 30 x 4	1.78	30	4	5	2.5	2.27	0.878	2.12	1.24	1.06	1.80	0.850	0.892	2.86	1.12	0.749	0.575	-1.05
L 35 x 35 x 4	2.09	35	4	5	2.5	2.67	1.00	2.47	1.42	1.24	2.95	1.18	1.05	4.69	1.33	1.22	0.68	-1.73
L 40 x 40 x 4	2.42	40	4	6	3.0	3.08	1.12	2.83	1.58	1.40	4.47	1.55	1.21	7.10	1.52	1.84	0.77	-2.63
L 40 x 40 x 5	2.97	40	5	6	3.0	3.79	1.16	2.83	1.64	1.41	5.43	1.91	1.20	8.61	1.51	2.25	0.77	-3.18
L 45 x 45 x 4	2.74	45	4	7	3.5	3.49	1.23	3.18	1.75	1.57	6.43	1.97	1.36	10.21	1.71	2.65	0.87	-3.78
L 45 x 45 x 4,5	3.06	45	4.5	7	3.5	3.90	1.26	3.18	1.78	1.58	7.15	2.20	1.35	11.35	1.71	2.95	0.87	-4.20
L 45 x 45 x 5	3.38	45	5	7	3.5	4.30	1.28	3.18	1.81	1.58	7.84	2.43	1.35	12.45	1.70	3.24	0.87	-4.60
L 50 x 50 x 4	3.06	50	4	7	3.5	3.89	1.36	3.54	1.92	1.75	8.97	2.46	1.52	14.25	1.91	3.70	0.97	-5.28
L 50 x 50 x 5	3.77	50	5	7	3.5	4.80	1.40	3.54	1.99	1.76	10.96	3.05	1.51	17.41	1.90	4.52	0.97	-6.45
L 50 x 50 x 6	4.47	50	6	7	3.5	5.69	1.45	3.54	2.04	1.77	12.84	3.61	1.50	20.37	1.89	5.31	0.97	-7.53
L 50 x 50 x 7	5.15	50	7	7	3.5	6.56	1.49	3.54	2.10	1.78	14.61	4.16	1.49	23.14	1.88	6.09	0.96	-8.52
L 55 x 55 x 5	4.18	55	5	8	4.0	5.32	1.52	3.89	2.15	1.93	14.71	3.70	1.66	23.37	2.10	6.06	1.07	-8.66
L 55 x 55 x 6	4.95	55	6	8	4.0	6.31	1.56	3.89	2.21	1.94	17.29	4.39	1.66	27.44	2.09	7.13	1.06	-10.16
L 60 x 60 x 4	3.70	60	4	8	4.0	4.71	1.60	4.24	2.26	2.10	15.78	3.58	1.83	25.04	2.31	6.51	1.18	-9.26
L 60 x 60 x 5	4.57	60	5	8	4.0	5.82	1.64	4.24	2.32	2.11	19.37	4.45	1.82	30.77	2.30	7.97	1.17	-11.40
L 60 x 60 x 6	5.42	60	6	8	4.0	6.91	1.69	4.24	2.39	2.11	22.79	5.29	1.82	36.20	2.29	9.38	1.17	-13.41
L 60 x 60 x 8	7.09	60	8	8	4.0	9.03	1.77	4.24	2.50	2.14	29.15	6.89	1.80	46.19	2.26	12.11	1.16	-17.04
L 65 x 65 x 6	5.91	65	6	9	4.5	7.53	1.80	4.60	2.55	2.28	29.19	6.21	1.97	46.36	2.48	12.01	1.26	-17.17
L 65 x 65 x 7	6.83	65	7	9	4.5	8.70	1.85	4.60	2.61	2.29	33.43	7.18	1.96	53.08	2.47	13.78	1.26	-19.65
L 65 x 65 x 8	7.73	65	8	9	4.5	9.85	1.89	4.60	2.67	2.31	37.49	8.13	1.95	59.46	2.46	15.52	1.26	-21.97
L 70 x 70 x 6	6.38	70	6	9	4.5	8.13	1.93	4.95	2.73	2.46	36.88	7.27	2.13	58.60	2.69	15.16	1.37	-21.72
L 70 x 70 x 7	7.38	70	7	9	4.5	9.40	1.97	4.95	2.79	2.47	42.30	8.41	2.12	67.19	2.67	17.41	1.36	-24.89
L 70 x 70 x 8	8.37	70	8	10	5.0	10.7	2.01	4.95	2.84	2.47	47.27	9.46	2.10	75.01	2.65	19.52	1.35	-27.75
L 70 x 70 x 9	9.32	70	9	9	4.5	11.9	2.05	4.95	2.90	2.50	52.47	10.60	2.10	83.18	2.65	21.76	1.35	-30.71
L 75 x 75 x 4	4.65	75	4	9	4.5	5.93	1.96	5.30	2.76	2.63	31.43	5.67	2.30	49.85	2.90	13.01	1.48	-18.42
L 75 x 75 x 5	5.76	75	5	9	4.5	7.34	2.01	5.30	2.84	2.63	38.77	7.06	2.30	61.59	2.90	15.96	1.47	-22.82
L 75 x 75 x 6	6.85	75	6	9	4.5	8.73	2.05	5.30	2.90	2.64	45.83	8.41	2.29	72.84	2.89	18.82	1.47	-27.01

Désignation Designation Bezeichnung	Dimensions Abmessungen	Dimensions de construction Dimensions for detailing Konstruktionsmaße							
			Ø	e <sub>min</sub>	e <sub>max</sub>	A <sub>net</sub>			
G	h = b	t	r <sub>1</sub>	r <sub>2</sub>	A	Ø	e <sub>min</sub>	e <sub>max</sub>	A <sub>net</sub>
kg/m	mm	mm	mm	mm	mm <sup>2</sup> x10 <sup>2</sup>	mm	mm	mm	mm <sup>2</sup> x10 <sup>2</sup>

L 20 x 20 x 3	0.88	20	3	3.5	2.0	1.12	-	-	-	-
L 25 x 25 x 3	1.11	25	3	3.5	2.0	1.42	-	-	-	-
L 25 x 25 x 4	1.45	25	4	3.5	2.0	1.85	-	-	-	-
L 30 x 30 x 3	1.36	30	3	5	2.5	1.74	-	-	-	-
L 30 x 30 x 4	1.78	30	4	5	2.5	2.27	-	-	-	-
L 35 x 35 x 4	2.09	35	4	5	2.5	2.67	-	-	-	-
L 40 x 40 x 4	2.42	40	4	6	3.0	3.08	-	-	-	-
L 40 x 40 x 5	2.97	40	5	6	3.0	3.79	-	-	-	-
L 45 x 45 x 4	2.74	45	4	7	3.5	3.49	-	-	-	-
L 45 x 45 x 4,5	3.06	45	4.5	7	3.5	3.90	-	-	-	-
L 45 x 45 x 5	3.38	45	5	7	3.5	4.30	-	-	-	-
L 50 x 50 x 4	3.06	50	4	7	3.5	3.89	-	-	-	-
L 50 x 50 x 5	3.77	50	5	7	3.5	4.80	-	-	-	-
L 50 x 50 x 6	4.47	50	6	7	3.5	5.69	-	-	-	-
L 50 x 50 x 7	5.15	50	7	7	3.5	6.56	-	-	-	-
L 55 x 55 x 5	4.18	55	5	8	4.0	5.32	-	-	-	-
L 55 x 55 x 6	4.95	55	6	8	4.0	6.31	-	-	-	-
L 60 x 60 x 4	3.70	60	4	8	4.0	4.71	M 12	34	40.5	4.15
L 60 x 60 x 5	4.57	60	5	8	4.0	5.82	M 12	35	40.5	5.12
L 60 x 60 x 6	5.42	60	6	8	4.0	6.91	M 12	36	40.5	6.07
L 60 x 60 x 8	7.09	60	8	8	4.0	9.03	M 12	38	40.5	7.91
L 65 x 65 x 6	5.91	65	6	9	4.5	7.53	M 16	36	38	6.45
L 65 x 65 x 7	6.83	65	7	9	4.5	8.70	M 16	37	38	7.44
L 65 x 65 x 8	7.73	65	8	9	4.5	9.85	M 16	38	38	8.41
L 70 x 70 x 6	6.38	70	6	9	4.5	8.13	M 16	36	43	7.05
L 70 x 70 x 7	7.38	70	7	9	4.5	9.40	M 16	37	43	8.14
L 70 x 70 x 8	8.37	70	8	10	5.0	10.7	M 16	38	43	9.23
L 70 x 70 x 9	9.32	70	9	9	4.5	11.9	M 16	39	43	10.26
L 75x75x4	4.65	75	4	9	4.5	5.93	M 16	34	48	5.21
L 75x75x5	5.76	75	5	9	4.5	7.34	M 16	35	48	6.44
L 75 x 75 x 6	6.85	75	6	9	4.5	8.73	M 16	36	48	7.65



	G	h = b	t	r <sub>1</sub>	r <sub>2</sub>	A	z <sub>s</sub> =y <sub>s</sub>	v	u <sub>1</sub>	u <sub>2</sub>	I <sub>y</sub> =I <sub>z</sub>	W <sub>el,y</sub> =W <sub>el,z</sub>	i <sub>y</sub> =i <sub>z</sub>	I <sub>u</sub>	i <sub>u</sub>	I <sub>v</sub>	i <sub>v</sub>	I <sub>yz</sub>
	kg/m	mm	mm	mm	mm	mm <sup>2</sup>	mm	mm	mm	mm	mm <sup>4</sup>	mm <sup>3</sup>	mm	mm <sup>4</sup>	mm	mm <sup>4</sup>	mm	mm <sup>4</sup>
						x10 <sup>2</sup>	x10	x10	x10	x10	x10 <sup>4</sup>	x10 <sup>3</sup>	x10	x10 <sup>4</sup>	x10	x10 <sup>4</sup>	x10	x10 <sup>4</sup>
L 180 x 180 x 18	48.6	180	18	18	9.0	61.9	5.10	12.73	7.22	6.41	1866	144.7	5.49	2965	6.92	766.0	3.52	-1100
L 180 x 180 x 19	51.1	180	19	18	9.0	65.1	5.14	12.73	7.27	6.42	1955	152.1	5.48	3106	6.91	803.8	3.51	-1151
L 180 x 180 x 20	53.7	180	20	18	9.0	68.3	5.18	12.73	7.33	6.44	2043	159.4	5.47	3244	6.89	841.3	3.51	-1202
L 200 x 200 x 15	45.6	200	15	18	9.0	58.1	5.48	14.14	7.75	7.08	2209	152.2	6.17	3516	7.78	903.0	3.94	-1306
L 200 x 200 x 16	48.5	200	16	18	9.0	61.8	5.52	14.14	7.81	7.09	2341	161.7	6.16	3725	7.76	957.2	3.94	-1384
L 200 x 200 x 17	51.4	200	17	18	9.0	65.5	5.56	14.14	7.87	7.10	2472	171.2	6.14	3932	7.75	1011	3.93	-1461
L 200 x 200 x 18	54.2	200	18	18	9.0	69.1	5.60	14.14	7.93	7.12	2600	180.6	6.13	4135	7.74	1064	3.92	-1535
L 200 x 200 x 19	57.1	200	19	18	9.0	72.7	5.64	14.14	7.98	7.13	2726	189.9	6.12	4335	7.72	1117	3.92	-1609
L 200 x 200 x 20	59.9	200	20	18	9.0	76.3	5.68	14.14	8.04	7.15	2851	199.1	6.11	4532	7.70	1169	3.91	-1681
L 200 x 200 x 21	62.8	200	21	18	9.0	79.9	5.72	14.14	8.09	7.16	2973	208.2	6.10	4725	7.69	1221	3.91	-1752
L 200 x 200 x 22	65.6	200	22	18	9.0	83.5	5.76	14.14	8.15	7.18	3094	217.3	6.09	4915	7.67	1273	3.90	-1821
L 200 x 200 x 23	68.3	200	23	18	9.0	87.1	5.80	14.14	8.20	7.19	3213	226.3	6.08	5102	7.66	1324	3.90	-1889
L 200 x 200 x 24	71.1	200	24	18	9.0	90.6	5.84	14.14	8.26	7.21	3331	235.2	6.06	5286	7.64	1375	3.90	-1955
L 200 x 200 x 25	73.9	200	25	18	9.0	94.1	5.88	14.14	8.31	7.23	3446	244.0	6.05	5467	7.62	1426	3.89	-2020
L 200 x 200 x 26	76.6	200	26	18	9.0	97.6	5.91	14.14	8.36	7.25	3560	252.7	6.04	5644	7.61	1476	3.89	-2084
L 250 x 250 x 20	75.6	250	20	18	9.0	96.3	6.93	17.68	9.81	8.91	5743	317.9	7.72	9144	9.74	2341	4.93	-3401
L 250 x 250 x 21	79.2	250	21	18	9.0	101	6.97	17.68	9.86	8.93	5997	332.7	7.71	9548	9.73	2447	4.92	-3550
L 250 x 250 x 22	82.8	250	22	18	9.0	106	7.01	17.68	9.92	8.94	6249	347.4	7.70	9946	9.71	2552	4.92	-3697
L 250 x 250 x 23	86.4	250	23	18	9.0	110	7.05	17.68	9.97	8.96	6497	362.0	7.68	10339	9.69	2655	4.91	-3842
L 250 x 250 x 24	90.0	250	24	18	9.0	115	7.09	17.68	10.03	8.98	6743	376.5	7.67	10727	9.68	2759	4.91	-3984
L 250 x 250 x 25	93.5	250	25	18	9.0	119	7.13	17.68	10.08	8.99	6986	390.9	7.66	11110	9.66	2861	4.90	-4124
L 250 x 250 x 26	97.0	250	26	18	9.0	124	7.17	17.68	10.13	9.01	7226	405.2	7.65	11488	9.64	2963	4.90	-4262
L 250 x 250 x 27	101	250	27	18	9.0	128	7.20	17.68	10.19	9.03	7463	419.3	7.63	11861	9.62	3065	4.89	-4398
L 250 x 250 x 28	104	250	28	18	9.0	133	7.24	17.68	10.24	9.04	7697	433.4	7.62	12229	9.61	3166	4.89	-4532
L 250 x 250 x 35	128	250	35	18	9.0	163	7.50	17.68	10.61	9.17	9264	529.4	7.54	14668	9.48	3859	4.86	-5405

	G	h = b	t	r <sub>1</sub>	r <sub>2</sub>	A	Ø	e <sub>min</sub>	e <sub>max</sub>	A <sub>net</sub>
	kg/m	mm	mm	mm	mm	mm <sup>2</sup>		mm	mm	mm <sup>2</sup>
						x10 <sup>2</sup>				x10 <sup>2</sup>
L 180 x 180 x 18	48.6	180	18	18	9.0	61.9	M 27	63	131	57
L 180 x 180 x 19	51.1	180	19	18	9.0	65.1	M 27	64	131	59
L 180 x 180 x 20	53.7	180	20	18	9.0	68.3	M 27	65	131	62
L 200 x 200 x 15	45.6	200	15	18	9.0	58.1	M 27	59	151	54
L 200 x 200 x 16	48.5	200	16	18	9.0	61.8	M 27	61	151	57
L 200 x 200 x 17	51.4	200	17	18	9.0	65.5	M 27	62	151	60
L 200 x 200 x 18	54.2	200	18	18	9.0	69.1	M 27	63	151	64
L 200 x 200 x 19	57.1	200	19	18	9.0	72.7	M 27	64	151	67
L 200 x 200 x 20	59.9	200	20	18	9.0	76.3	M 27	65	151	70
L 200 x 200 x 21	62.8	200	21	18	9.0	79.9	M 27	66	151	74
L 200 x 200 x 22	65.6	200	22	18	9.0	83.5	M 27	67	151	77
L 200 x 200 x 23	68.3	200	23	18	9.0	87.1	M 27	68	151	80
L 200 x 200 x 24	71.1	200	24	18	9.0	90.6	M 27	69	151	83
L 200 x 200 x 25	73.9	200	25	18	9.0	94.1	M 27	70	151	87
L 200 x 200 x 26	76.6	200	26	18	9.0	97.6	M 27	71	151	90
L 250 x 250 x 20	75.6	250	20	18	9.0	96.3	M 27	40	240	90
L 250 x 250 x 21	79.2	250	21	18	9.0	101	M 27	41	246	95
L 250 x 250 x 22	82.8	250	22	18	9.0	106	M 27	42	246	99
L 250 x 250 x 23	86.4	250	23	18	9.0	110	M 27	43	246	103
L 250 x 250 x 24	90.0	250	24	18	9.0	115	M 27	44	246	107
L 250 x 250 x 25	93.5	250	25	18	9.0	119	M 27	45	246	112
L 250 x 250 x 26	97.0	250	26	18	9.0	124	M 27	46	246	116
L 250 x 250 x 27	101	250	27	18	9.0	128	M 27	47	246	120
L 250 x 250 x 28	104	250	28	18	9.0	133	M 27	48	246	124
L 250 x 250 x 35	128	250	35	18	9.0	163	M 27	78	205	153

