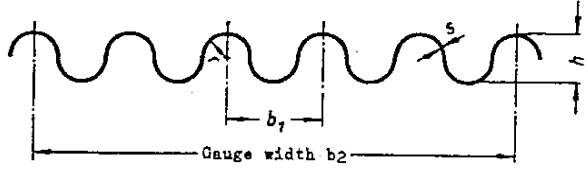


Corrugated Sheet Tile Sheet
Galvanized

DIN
59231

Wellbleche, Pfannenbleche; verzinkt

Dimensions in mm
Corrugated sheet



Designation of corrugated sheet having a corrugation depth of $h = 20$ mm and a corrugation pitch of $b_1 = 40$ mm, a sheet thickness of $s = 0.63$ mm and a length of sheet $l = 2500$ mm, galvanized¹⁾:
Corrugated sheet 20 x 40 x 0.63 x 2500 DIN 59231 galvanized¹⁾

Type of profile	Corrugation		Thickness		Length of sheet l $\pm 1\%$ but not exceeding 20 mm	b_2 $\pm 2\%$	r	For sheet length $l = 2000$ mm and gauge width b_2		For sheet 1 m wide		For spans in m							
	depth h	pitch b_1	s	former German gauge No.				Area m^2	Weight $(7.85kg/dm^3)$ kg \approx	Cross-section of area F cm^2	Modulus of section W_x cm^3	permissible uniformly distributed loading in kg/m^2 (with a strain of 1200 kg/cm^2) for straight corrugated sheet							
Shade profiles	15 ± 2	30	0,44	25	2000	630	7,0	1,26	7	6,95	2,05	197	87	49	31	22	16	12	
			0,50	24					8	7,94	2,32	223	99	56	36	25	18	14	
			0,56	23	2500				9	8,75	2,59	249	111	62	40	28	20	15	
			0,63	22					10	9,92	2,90	278	124	70	45	31	23	17	
			0,75	21					12	11,8	3,43	329	146	82	53	37	27	21	
	20 ± 2	40	0,50	24	2000	640	9,5	1,28	14	13,9	4,00	384	171	96	61	43	31	24	
			0,56	23					8	7,80	3,29	316	140	79	51	35	26	20	
			0,63	22	2500				9	8,78	3,67	352	157	88	56	39	29	22	
			0,75	21					10	9,76	4,12	396	176	99	63	44	32	25	
			0,88	20					12	11,7	4,88	468	208	117	75	52	38	29	
Roof profiles	18 ± 2	76	0,56	23	2000	836	23	1,67	9	6,70	2,68	257	114	64	41	29	21	16	
			0,63	22					10	7,54	2,99	287	128	72	46	32	23	18	
			0,75	21	2500				12	8,98	3,57	343	152	86	55	38	28	21	
			0,88	20					14	10,5	4,14	397	177	99	64	44	32	25	
			1,00	19					2000	16	11,9	4,71	452	201	113	72	50	37	28
	1,13	18	2500	18	13,5	5,25	504	224		126	81	56	41	31					
	1,25	17		20	15,0	5,80	557	247		139	89	62	45	35					
				1,50	15	3500			24	18,0	6,93	665	296	166	106	74	54	42	

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Material: St III.23

¹⁾ Finish: (to be stated with order): hot galvanized protected against rust

Upon special order corrugated sheets are also supplied in an arched shape; variation of radius: $\pm 10\%$. The designation will then read as follows:

Corrugated sheet arched 20 x 40 x 0.63 x 2500 DIN 59231 hot galvanized

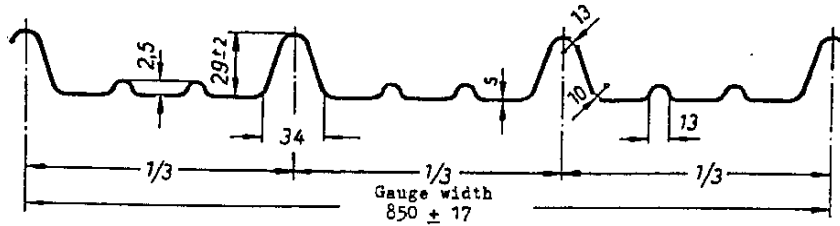
Accessory parts such as coverings for ridges and corrugated sheets, wind guards, and wall attachments for corrugated sheets according to DIN 59231 shall be made to meet the requirements of this Standard.

Continued on pages 2 and 3

Type of profile	Corrugation		Thickness		Length of sheet l $\pm 1\%$ but not exceeding 20 mm	b_2 $\pm 2\%$	r	For sheet length $l = 2000$ mm and gauge width b_2		For sheet 1 m wide		For spans in m												
	depth	pitch	s	former German gauge No.				Area	Weight (7.85 kg/dm^3) kg	Cross-sectional area F cm ²	Modulus of section W_x cm ³	permissible uniformly distributed loading in kg/m ² (with a strain of 1200 kg/cm ²) for straight corrugated sheet												
	h	b_1			m^2	\approx			1,0	1,5	2,0	2,5	3,0	3,5	4,0									
Roofing profiles	27 ± 2	100	0,56	23	2000	800	27	1,60	9	7,00	4,18	401	178	100	64	45	33	25						
			0,63	22					10	7,80	4,65	446	198	112	71	50	36	28						
			0,75	21					12	9,37	5,53	531	236	133	85	59	43	33						
			0,88	20					14	10,8	6,46	620	276	155	99	69	51	39						
			1,00	19	2000				16	12,5	7,35	706	314	176	113	78	58	44						
			1,13	18					18	14,1	8,23	790	351	198	126	88	64	49						
			1,25	17					20	15,6	9,07	871	387	218	139	97	71	54						
			1,50	15					24	18,7	10,8	1040	461	259	166	115	85	65						
			2,00	13	32				25,0	14,3	1370	610	343	220	153	112	86							
			30 ± 2	135	0,63				22	2000	810	45	1,62	10	7,72	4,97	477	212	119	76	53	39	30	
					0,75				21	2500				12	9,25	5,99	575	256	144	92	64	47	36	
					0,88				20	14				10,9	7,00	672	299	168	108	75	55	42		
	1,00	19			16	12,3	7,92	760	338	190				122	84	62	48							
	1,13	18			18	13,9	8,86	851	378	213				136	95	69	53							
	1,25	17			20	15,4	9,83	944	419	236				151	105	77	59							
	1,50	15			24	18,5	11,7	1120	499	281				180	125	92	70							
	2,00	13			32	24,6	15,5	1490	661	372				238	165	121	93							
	45 ± 2	150	0,75	21	2000	750	37	1,50	12	10,0	9,42	904	402	226	145	100	74	57						
			0,88	20	2500				14	11,7	11,1	1070	474	266	170	118	87	67						
			1,00	19	16				13,3	12,7	1220	542	305	195	135	100	76							
			1,13	18	18				15,0	14,2	1360	606	341	218	151	111	85							
			1,25	17	20				16,7	15,6	1500	666	374	240	166	122	94							
			1,50	15	24				20,0	18,6	1790	794	446	286	198	146	112							
			2,00	13	32				26,6	25,0	2400	1070	600	384	267	196	150							
			48 ± 2	100	0,63				22	2000	600	24	1,20	10	9,55	11,8	1130	503	283	181	126	92	71	
	0,75	21			2500	12	11,5	14,1	1350	602				338	217	150	110	85						
	0,88	20			14	13,4	16,4	1570	700	394				252	175	129	98							
	1,00	19			16	15,3	18,6	1790	794	446				286	198	146	112							
1,13	18	18			17,2	20,9	2010	892	502	321				223	164	125								
1,25	17	20			19,1	23,2	2230	990	557	356				247	182	139								
1,50	15	24			23,0	27,7	2660	1180	665	425				295	217	166								
2,00	13	32			30,6	36,5	3500	1560	876	561				389	286	219								
Girder profiles	67 ± 3	90			1,00	19	2000	450	21	0,90				16	20,6	31,2	3000	1330	749	479	333	245	187	
					1,13	18								2500	18	23,2	34,9	3350	1490	838	536	372	274	209
					1,25	17								3000	20	25,7	38,7	3720	1650	929	594	413	303	232
					1,50	15								3500	24	30,9	46,2	4440	1970	1110	710	493	362	277
			2,00	13	32	41,2					61,4	5890	2620	1470	943	655	481	368						
			2,50	11	40	51,4					76,0	7300	3240	1820	1170	811	596	456						
	88 ± 3	100	1,00	19	2000	400	24				0,80	16	23,3	47,2	4530	2010	1130	725	503	370	283			
			1,13	18								2500	18	26,2	52,8	5070	2250	1270	811	563	414	317		
			1,25	17								3000	20	29,1	58,9	5650	2510	1410	905	628	462	353		
			1,50	15								3500	24	34,9	70,5	6770	3010	1690	1080	752	552	423		
			2,00	13								32	46,6	93,2	8950	3980	2240	1430	994	730	559			
			2,50	11								40	58,2	116	11100	4950	2780	1780	1240	909	696			

For Material and Finish, see page 1

Tile sheet



Designation of tile sheet, thickness $s = 0.63$ mm and length of plate $l = 1500$ mm, hot galvanized¹⁾:

Tile sheet 0.63×1500 DIN 59231 hot galvanized¹⁾

Thickness s	former German gauge No.	Length of sheet ²⁾ $\pm 1\%$ but not exceeding 20 mm	For sheet length $l = 2000$ mm and gauge width		For sheet 1 m wide		For spans of m						
			Area m ²	Weight (7.85 kg/dm^3) kg ≈	Cross-sectional area F cm ²	Modulus of section W_x cm ³	0,50	0,75	1,00	1,25	1,50	1,75	2,00
0,63	22	500	1,70	10	7,35	2,74	1050	468	263	168	117	86	66
0,75	21	750		12	8,82	3,31	1270	565	318	203	141	104	79
		1250		14	10,3	3,81	1460	650	366	234	163	119	91
0,88	20	1500		16	11,7	4,40	1690	751	422	270	188	138	106
1,00	19	1750											
		2000											

permissible uniformly distributed loading in kg/m² (with a strain of 1200 kg/cm²) for straight tile sheet

Material: St III.23

¹⁾ Finish: (to be stated with order): hot galvanized protected against rust

²⁾ Delivery of intermediate and excessive lengths subject to agreement

Accessory parts such as coverings for ridges and corrugated sheets, wind guards, and wall attachments for tile sheets according to DIN 59231 shall be made to meet the requirements of this Standard.