

Approximate Weights of Buttwelding Fittings - Con&Ecc Reducers

NPS	DIN S3	SGP	Sch5s	Sch10s	Sch40s	Sch80s	Sch5	Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	NPS
¾ × ½	0.05	0.06	0.05	0.06	0.08	0.11	0.05	0.06	-	0.07	0.08	0.08	-	0.11	0.11	-	-	-	0.16	0.20	¾ × ½
1 × ¾	0.10	0.11	0.09	0.14	0.16	0.22	0.09	0.14	-	0.14	0.16	0.16	-	0.22	0.22	-	-	-	0.30	0.40	1 × ¾
1 × ½	0.09	0.10	0.09	0.14	0.16	0.22	0.09	0.14	-	0.14	0.16	0.16	-	0.22	0.22	-	-	-	0.30	0.40	1 × ½
1 ¼ × 1	0.13	0.16	0.12	0.20	0.23	0.31	0.12	0.20	-	0.19	0.23	0.23	-	0.31	0.31	-	-	-	0.41	0.58	1 ¼ × 1
1 ¼ × ¾	0.12	0.15	0.09	0.15	0.18	0.24	0.09	0.15	-	0.15	0.18	0.18	-	0.24	0.24	-	-	-	0.32	0.46	1 ¼ × ¾
1 ¼ × ½	0.11	0.13	0.09	0.15	0.18	0.24	0.09	0.15	-	0.15	0.18	0.18	-	0.24	0.24	-	-	-	0.32	0.46	1 ¼ × ½
1 ½ × 1 ¼	0.21	0.24	0.16	0.27	0.32	0.44	0.16	0.27	-	0.28	0.32	0.32	-	0.44	0.44	-	-	-	0.62	0.82	1 ½ × 1 ¼
1 ½ × 1	0.19	0.21	0.14	0.23	0.28	0.39	0.14	0.23	-	0.24	0.28	0.28	-	0.39	0.39	-	-	-	0.54	0.72	1 ½ × 1
1 ½ × ¾	0.17	0.20	0.12	0.21	0.25	0.35	0.12	0.21	-	0.22	0.25	0.25	-	0.35	0.35	-	-	-	0.49	0.64	1 ½ × ¾
1 ½ × ½	-	0.18	0.11	0.19	0.23	0.32	0.11	0.19	-	0.20	0.23	0.23	-	0.32	0.32	-	-	-	0.45	0.59	1 ½ × ½
2 × 1 ½	0.34	0.37	0.19	0.32	0.41	0.58	0.19	0.32	-	0.33	0.41	0.41	-	0.58	0.58	-	-	-	0.85	1.08	2 × 1 ½
2 × 1 ¼	0.31	0.35	0.17	0.30	0.38	0.54	0.17	0.30	-	0.31	0.38	0.38	-	0.54	0.54	-	-	-	0.79	1.00	2 × 1 ¼
2 × 1	0.29	0.31	0.16	0.27	0.35	0.50	0.16	0.27	-	0.28	0.35	0.35	-	0.50	0.50	-	-	-	0.73	0.92	2 × 1
2 × ¾	0.28	0.29	0.15	0.25	0.32	0.45	0.15	0.25	-	0.26	0.32	0.32	-	0.45	0.45	-	-	-	0.67	0.84	2 × ¾
2 × ½	-	0.28	0.14	0.24	0.31	0.44	0.14	0.24	-	0.25	0.31	0.31	-	0.44	0.44	-	-	-	0.64	0.82	2 × ½
2 ½ × 2	0.47	0.60	0.31	0.44	0.68	0.92	0.31	0.44	-	0.63	0.68	0.68	-	0.92	0.92	-	-	-	1.26	1.72	2 ½ × 2
2 ½ × 1 ½	0.45	0.55	0.28	0.41	0.63	0.86	0.28	0.41	-	0.59	0.63	0.63	-	0.86	0.86	-	-	-	1.17	1.59	2 ½ × 1 ½
2 ½ × 1 ¼	0.43	0.52	0.26	0.37	0.57	0.78	0.26	0.37	-	0.53	0.57	0.57	-	0.78	0.78	-	-	-	1.05	1.44	2 ½ × 1 ¼
2 ½ × 1	0.42	0.48	0.26	0.37	0.57	0.78	0.26	0.37	-	0.53	0.57	0.57	-	0.78	0.78	-	-	-	1.05	1.44	2 ½ × 1
2 ½ × ¾	-	0.47	0.25	0.36	0.55	0.75	0.25	0.36	-	0.51	0.55	0.55	-	0.75	0.75	-	-	-	1.02	1.39	2 ½ × ¾
2 ½ × ½	-	0.46	0.24	0.35	0.54	0.73	0.24	0.35	-	0.50	0.54	0.54	-	0.73	0.73	-	-	-	1.00	1.37	2 ½ × ½
3 × 2 ½	0.64	0.73	0.38	0.56	0.91	1.26	0.38	0.56	-	0.79	0.91	0.91	-	1.26	1.26	-	-	-	1.72	2.35	3 × 2 ½
3 × 2	0.62	0.66	0.34	0.50	0.82	1.14	0.34	0.50	-	0.71	0.82	0.82	-	1.14	1.14	-	-	-	1.55	2.12	3 × 2
3 × 1 ½	0.60	0.62	0.32	0.47	0.77	1.07	0.32	0.47	-	0.67	0.77	0.77	-	1.07	1.07	-	-	-	1.46	1.99	3 × 1 ½
3 × 1 ¼	0.59	0.59	0.31	0.45	0.73	1.01	0.31	0.45	-	0.64	0.73	0.73	-	1.01	1.01	-	-	-	1.38	1.88	3 × 1 ¼
3 × 1	-	0.57	0.30	0.43	0.71	0.99	0.30	0.43	-	0.62	0.71	0.71	-	0.99	0.99	-	-	-	1.34	1.83	3 × 1

3×¾	-	0.56	0.29	0.42	0.69	0.96	0.29	0.42	-	0.60	0.69	0.69	-	0.96	0.96	-	-	-	1.30	1.78	3×¾
3×½	-	0.55	0.28	0.41	0.67	0.93	0.28	0.41	-	0.58	0.67	0.67	-	0.93	0.93	-	-	-	1.27	1.73	3×½

NPS	DIN S3	SGP	Sch5s	Sch10s	Sch40s	Sch80s	Sch5	Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	NPS
3 ½×3	-	0.96	0.57	0.83	1.43	2.02	0.57	0.83	-	1.19	1.43	1.43	-	2.02	2.02	-	-	-	-	-	3 ½×3
3 ½×2½	-	0.90	0.52	0.76	1.31	1.85	0.52	0.76	-	1.09	1.31	1.31	-	1.85	1.85	-	-	-	-	-	3 ½×2½
3 ½×2	-	0.83	0.50	0.73	1.25	1.76	0.50	0.73	-	1.04	1.25	1.25	-	1.76	1.76	-	-	-	-	-	3 ½×2
3 ½×1½	-	0.77	0.46	0.66	1.14	1.61	0.46	0.66	-	0.95	1.14	1.14	-	1.61	1.61	-	-	-	-	-	3 ½×1½
3 ½×1¼	-	0.75	0.44	0.63	1.09	1.54	0.44	0.63	-	0.90	1.09	1.09	-	1.54	1.54	-	-	-	-	-	3 ½×1¼
4×3½	-	1.17	0.62	0.89	1.59	2.26	0.62	0.89	-	1.26	1.59	1.59	-	2.26	2.26	-	2.94	-	3.31	4.20	4×3½
4×3	1.00	1.10	0.60	0.86	1.54	2.19	0.60	0.86	-	1.22	1.54	1.54	-	2.19	2.19	-	2.85	-	3.20	4.07	4×3
4×2½	0.96	1.04	0.58	0.83	1.48	2.10	0.58	0.83	-	1.17	1.48	1.48	-	2.10	2.10	-	2.74	-	3.08	3.91	4×2½
4×2	0.94	0.97	0.53	0.76	1.36	1.93	0.53	0.76	-	1.07	1.36	1.36	-	1.93	1.93	-	2.52	-	2.83	3.59	4×2
4×1½	0.92	0.91	0.51	0.73	1.31	1.86	0.51	0.73	-	1.03	1.31	1.31	-	1.86	1.86	-	2.42	-	2.72	3.46	4×1½
4×1¼	-	0.88	0.50	0.72	1.28	1.82	0.50	0.72	-	1.01	1.28	1.28	-	1.82	1.82	-	2.37	-	2.66	3.38	4×1¼
4×1	-	0.86	0.49	0.71	1.26	1.79	0.49	0.71	-	1.00	1.26	1.26	-	1.79	1.79	-	2.33	-	2.62	3.33	4×1
5×4	1.80	1.74	1.28	1.55	2.72	3.94	1.28	1.55	-	-	2.72	2.72	-	3.94	3.94	-	5.28	-	6.12	7.34	5×4
5×3½	-	1.65	1.23	1.49	2.61	3.78	1.23	1.49	-	-	2.61	2.61	-	3.78	3.78	-	5.06	-	5.87	7.05	5×3½
5×3	1.76	1.58	1.18	1.43	2.50	3.63	1.18	1.43	-	-	2.50	2.50	-	3.63	3.63	-	4.85	-	5.63	6.75	5×3
5×2½	1.73	1.50	1.12	1.36	2.38	3.45	1.12	1.36	-	-	2.38	2.38	-	3.45	3.45	-	4.62	-	5.36	6.43	5×2½
5×2	1.71	1.41	1.07	1.29	2.27	3.29	1.07	1.29	-	-	2.27	2.27	-	3.29	3.29	-	4.40	-	5.11	6.13	5×2
5×1½	-	1.33	1.06	1.28	2.25	3.26	1.06	1.28	-	-	2.25	2.25	-	3.26	3.26	-	4.37	-	5.06	6.08	5×1½
5×1¼	-	1.26	1.03	1.25	2.20	3.19	1.03	1.25	-	-	2.20	2.20	-	3.19	3.19	-	4.27	-	4.95	5.94	5×1¼
6×5	2.82	2.55	1.66	2.05	3.86	5.94	1.66	2.05	-	-	3.86	3.86	-	5.94	5.94	-	7.22	-	9.23	11.1	6×5
6×4	2.77	2.36	1.61	1.99	3.75	5.78	1.61	1.99	-	-	3.75	3.75	-	5.78	5.78	-	7.01	-	8.96	10.8	6×4
6×3½	-	2.27	1.59	1.96	3.69	5.68	1.59	1.96	-	-	3.69	3.69	-	5.68	5.68	-	6.9	-	8.82	10.6	6×3½
6×3	2.72	2.18	1.56	1.92	3.63	5.59	1.56	1.92	-	-	3.63	3.63	-	5.59	5.59	-	6.79	-	8.68	10.4	6×3
6×2½	2.66	2.09	1.41	1.74	3.29	5.07	1.41	1.74	-	-	3.29	3.29	-	5.07	5.07	-	6.15	-	7.86	9.44	6×2½
6×2	-	1.98	0.97	1.19	2.25	3.47	0.97	1.19	-	-	2.25	2.25	-	3.47	3.47	-	4.21	-	5.38	6.46	6×2
8×6	4.71	4.17	2.23	3.07	6.02	9.33	2.23	3.07	5.12	5.72	6.02	6.02	7.59	9.33	9.33	11.1	12.5	14.1	15.8	15.2	8×6
8×5	4.50	3.87	2.02	2.78	5.45	8.45	2.02	2.78	4.63	5.18	5.45	5.45	6.87	8.45	8.45	10.0	11.3	12.8	14.3	13.8	8×5
8×4	4.46	3.67	1.85	2.54	4.99	7.73	1.85	2.54	4.24	4.74	4.99	4.99	6.29	7.73	7.73	9.18	10.4	11.7	13.1	12.6	8×4

NPS	DIN S3	SGP	Sch5s	Sch10s	Sch40s	Sch80s	Sch5	Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	NPS
8×3½	-	3.55	1.81	2.49	4.88	7.56	1.81	2.49	4.15	4.64	4.88	4.88	6.15	7.56	7.56	8.98	10.15	11.42	12.79	12.35	8×3½
8×3	4.32	3.43	1.78	2.46	4.82	7.47	1.78	2.46	4.10	4.58	4.82	4.82	6.07	7.47	7.47	8.87	10.03	11.28	12.63	12.19	8×3
10×8	7.40	6.87	4.00	5.00	9.99	13.7	4.00	5.00	7.49	9.29	9.99	9.99	13.7	13.7	16.3	19.7	21.5	25.5	27.7	25.5	10×8
10×6	7.33	6.32	3.90	4.88	9.76	13.4	3.90	4.88	7.32	9.08	9.76	9.76	13.4	13.4	15.9	19.2	21.0	24.9	27.0	24.9	10×6
10×5	7.27	6.06	3.81	4.77	9.53	13.1	3.81	4.77	7.15	8.86	9.53	9.53	13.1	13.1	15.5	18.8	20.5	24.3	26.4	24.3	10×5
10×4	7.21	5.80	3.63	4.54	9.08	12.4	3.63	4.54	6.81	8.44	9.08	9.08	12.4	12.4	14.8	17.9	19.5	23.2	25.2	23.2	10×4
10×3	-	5.50	3.60	4.50	9.00	12.3	3.60	4.50	6.75	8.37	9.00	9.00	12.3	12.3	14.7	17.7	19.4	23.0	24.9	23.0	10×3
12×10	11.3	9.97	7.08	8.16	15.4	20.5	7.08	8.16	11.2	14.9	15.4	16.6	23.1	20.5	28.2	32.2	38.2	41.6	48.5	38.2	12×10
12×8	11.2	9.29	6.67	7.69	14.5	19.3	6.67	7.69	10.6	14.1	14.5	15.7	21.8	19.3	26.5	30.3	36.0	39.2	45.7	36.0	12×8
12×6	11.1	8.69	6.49	7.47	14.1	18.8	6.49	7.47	10.3	13.7	14.1	15.2	21.2	18.8	25.8	29.5	35.0	38.1	44.4	35.0	12×6
12×5	11.0	8.39	6.26	7.21	13.6	18.1	6.26	7.21	9.93	13.2	13.6	14.7	20.4	18.1	24.9	28.4	33.7	36.7	42.8	33.7	12×5
12×4	-	8.00	6.21	7.16	13.5	18.0	6.21	7.16	9.86	13.1	13.5	14.6	20.3	18.0	24.7	28.2	33.5	36.5	42.5	33.5	12×4
14×12	22.5	21.2	12.5	15.0	27.2	36.2	12.5	19.9	24.8	27.2	27.2	31.8	43.0	36.2	50.6	63.4	73.7	81.6	91.7	-	14×12
14×10	22.1	19.7	12.4	14.8	26.9	35.8	12.4	19.6	24.5	26.9	26.9	31.5	42.5	35.8	50.0	62.7	72.9	80.7	90.7	-	14×10
14×8	21.7	18.3	12.2	14.6	26.6	35.4	12.2	19.4	24.2	26.6	26.6	31.1	42.0	35.4	49.5	62.0	72.1	79.8	89.6	-	14×8
14×6	21.4	16.9	12.1	14.5	26.3	35.0	12.1	19.2	23.9	26.3	26.3	30.8	41.6	35.0	48.9	61.3	71.3	78.9	88.6	-	14×6
14×5	-	15.7	12.0	14.3	26.0	34.6	12.0	19.0	23.7	26.0	26.0	30.4	41.1	34.6	48.4	60.6	70.5	78.0	87.6	-	14×5
16×14	30.5	25.9	15.5	17.7	32.2	42.8	15.5	23.5	29.3	32.2	32.2	42.8	56.4	42.8	67.3	82.4	94.0	111	123	-	16×14
16×12	30.0	24.1	15.3	17.5	31.8	42.3	15.3	23.2	28.9	31.8	31.8	42.3	55.7	42.3	66.5	81.4	92.9	110	121	-	16×12
16×10	29.8	22.4	15.2	17.4	31.6	42.0	15.2	23.1	28.8	31.6	31.6	42.0	55.3	42.0	66.0	80.9	92.3	109	121	-	16×10
16×8	29.5	21.7	14.9	17.1	31.1	41.4	14.9	22.7	28.3	31.1	31.1	41.4	54.4	41.4	65.0	79.6	90.8	107	119	-	16×8
16×6	29.1	21.0	14.8	17.0	30.9	41.1	14.8	22.6	28.1	30.9	30.9	41.1	54.1	41.1	64.6	79.1	90.2	107	118	-	16×6
18×16	41.9	31.5	18.5	21.2	38.6	51.3	18.5	28.2	35.1	45.2	38.6	57.9	71.8	51.3	89.9	107	127	145	165	-	18×16
18×14	41.6	29.8	18.3	21.0	38.1	50.7	18.3	27.8	34.7	44.6	38.1	57.2	70.9	50.7	88.8	106	126	143	163	-	18×14
18×12	41.2	27.7	18.1	20.7	37.7	50.1	18.1	27.5	34.3	44.1	37.7	56.6	70.1	50.1	87.8	104	124	141	161	-	18×12
18×10	41.0	27.1	17.9	20.5	37.2	49.5	17.9	27.2	33.9	43.5	37.2	55.8	69.2	49.5	86.7	103	123	140	159	-	18×10
18×8	40.7	26.5	17.5	20.1	36.5	48.6	17.5	26.7	33.2	42.7	36.5	54.8	67.9	48.6	85.1	101	120	137	156	-	18×8

NPS	DIN S3	SGP/LG	Sch5s	Sch10s	Sch40s	Sch80s	Sch5	Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	NPS
20×18	68.6	47.0	31.2	36.4	56.8	75.5	31.2	41.5	56.8	75.5	56.8	89.7	114.2	75.5	145.4	174.4	204.5	238.6	268.1	-	20×18
20×16	68.2	44.7	31.0	36.0	56.3	74.9	31.0	41.1	56.3	74.9	56.3	89.0	113.2	74.9	144.1	172.8	202.7	236.5	265.7	-	20×16
20×14	67.9	42.4	30.5	35.5	55.4	73.7	30.5	40.4	55.4	73.7	55.4	87.5	111.4	73.7	141.8	170.1	199.4	232.7	261.5	-	20×14
20×12	67.5	40.8	30.0	34.9	54.5	72.5	30.0	39.8	54.5	72.5	54.5	86.1	109.6	72.5	139.5	167.3	196.2	228.9	257.2	-	20×12

20×10	67.0	38.5	29.3	34.1	53.3	70.9	29.3	38.9	53.3	70.9	53.3	84.2	107.1	70.9	136.5	163.6	191.9	223.9	251.6	-	20×10
20×8	66.3	36.2	28.7	33.4	52.2	69.4	28.7	38.1	52.2	69.4	52.2	82.5	104.9	69.4	133.6	160.3	187.9	219.2	246.4	-	20×8
22×20	-	52.1	35.5	41.3	64.5	85.8	35.5	47.1	64.5	85.8	64.5	-	140	85.8	180	213	252	290	329	-	22×20
22×18	-	49.5	34.5	40.1	62.7	83.4	34.5	45.8	62.7	83.4	62.7	-	136	83.4	175	207	245	282	320	-	22×18
22×16	-	47.0	32.7	38.1	59.5	79.1	32.7	43.4	59.5	79.1	59.5	-	129	79.1	166	196	232	268	303	-	22×16
22×14	-	45.3	30.7	35.7	55.8	74.2	30.7	40.7	55.8	74.2	55.8	-	121	74.2	156	184	218	251	285	-	22×14
22×12	-	-	29.4	34.2	53.5	71.2	29.4	39.1	53.5	71.2	53.5	-	116	71.2	149	177	209	241	273	-	22×12
22×10	-	-	28.6	33.3	52.0	69.2	28.6	38.0	52.0	69.2	52.0	-	113	69.2	145	172	203	234	265	-	22×10
24×22	-	57.1	44.8	51.1	70.0	93.1	44.8	51.1	70.0	105	70.0	128	168	93.1	211	257	305	347	393	-	24×22
24×20	97.0	54.8	43.6	49.7	68.1	90.6	43.6	49.7	68.1	102	68.1	125	163	90.6	206	250	296	337	383	-	24×20
24×18	96.5	52.6	43.0	49.1	67.2	89.4	43.0	49.1	67.2	101	67.2	123	161	89.4	203	247	292	333	378	-	24×18
24×16	95.4	50.4	42.1	48.0	65.8	87.5	42.1	48.0	65.8	98.7	65.8	120	158	87.5	199	241	286	326	370	-	24×16
24×14	94.0	48.5	40.8	46.5	63.7	84.7	40.8	46.5	63.7	95.6	63.7	117	153	84.7	192	234	277	315	358	-	24×14
24×12	93.0	47.0	39.4	44.9	61.5	81.8	39.4	44.9	61.5	92.3	61.5	113	148	81.8	186	226	268	304	346	-	24×12
24×10	91.5	-	37.9	43.2	59.2	78.7	37.9	43.2	59.2	88.8	59.2	108	142	78.7	179	217	258	293	333	-	24×10
26×24	-	74.5	-	-	-	-	-	78.0	125	-	94.0	-	-	125	-	-	-	-	-	-	26×24
26×22	-	71.5	-	-	-	-	-	75.4	121	-	90.8	-	-	121	-	-	-	-	-	-	26×22
26×20	-	68.5	-	-	-	-	-	71.6	115	-	86.3	-	-	115	-	-	-	-	-	-	26×20
26×18	-	66.3	-	-	-	-	-	68.6	110	-	82.6	-	-	110	-	-	-	-	-	-	26×18
26×16	-	80.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26×16
28×26	-	77.5	-	-	-	-	-	84.7	136	170	102	-	-	136	-	-	-	-	-	-	28×26
28×24	129	74.5	-	-	-	-	-	81.4	130	164	98.1	-	-	130	-	-	-	-	-	-	28×24
28×22	-	72.4	-	-	-	-	-	79.1	127	159	95.3	-	-	127	-	-	-	-	-	-	28×22
28×20	119	-	-	-	-	-	-	75.0	120	151	90.3	-	-	120	-	-	-	-	-	-	28×20
28×18	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28×18

NPS	DIN S3	LG	Sch5s	Sch10s	Sch40s	Sch80s	Sch5	Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	NPS
28×16	103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28×16
28×14	95.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28×14
28×12	90.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28×12
30×28	-	86.6	79.6	99.2	109	145	-	90.5	145	182	109	-	-	145	-	-	-	-	-	-	30×28
30×26	-	83.6	76.7	95.6	105	140	-	87.2	140	175	105	-	-	140	-	-	-	-	-	-	30×26
30×24	-	80.6	74.5	92.8	102	136	-	84.7	136	170	102	-	-	136	-	-	-	-	-	-	30×24
30×22	-	78.5	73.0	91.0	100	133	-	83.0	133	167	100	-	-	133	-	-	-	-	-	-	30×22
32×30	-	92.6	-	-	-	-	-	97.1	156	195	117	214	-	156	-	-	-	-	-	-	32×30
32×28	149	89.6	-	-	-	-	-	93.8	150	189	113	207	-	150	-	-	-	-	-	-	32×28

32×26	-	86.6	-	-	-	-	-	90.5	145	182	109	199	-	145	-	-	-	-	-	-	32×26
32×24	141	84.6	-	-	-	-	-	88.8	142	179	107	196	-	142	-	-	-	-	-	-	32×24
32×20	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32×20
32×18	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32×18
32×16	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32×16
32×14	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32×14
34×32	-	98.7	-	-	-	-	-	103	165	207	124	227	-	165	-	-	-	-	-	-	34×32
34×30	-	95.6	-	-	-	-	-	100	161	202	121	221	-	161	-	-	-	-	-	-	34×30
34×28	-	92.6	-	-	-	-	-	97.1	156	195	117	214	-	156	-	-	-	-	-	-	34×28
34×26	-	90.7	-	-	-	-	-	93.8	150	189	113	207	-	150	-	-	-	-	-	-	34×26
36×34	-	105	-	-	-	-	-	110	176	220	132	264	-	176	-	-	-	-	-	-	36×34
36×32	169	102	-	-	-	-	-	106	170	214	128	256	-	170	-	-	-	-	-	-	36×32
36×30	-	99	-	-	-	-	-	103	165	207	124	248	-	165	-	-	-	-	-	-	36×30
36×28	159	96	-	-	-	-	-	100	161	202	121	242	-	161	-	-	-	-	-	-	36×28
36×26	-	-	-	-	-	-	-	98.8	158	199	119	238	-	158	-	-	-	-	-	-	36×26
36×24	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36×24
36×20	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36×20
36×18	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36×18
36×16	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36×16
38×36	-	112	-	-	-	-	-	-	-	-	140	-	-	186	-	-	-	-	-	-	38×36
38×34	-	108	-	-	-	-	-	-	-	-	135	-	-	180	-	-	-	-	-	-	38×34
38×32	-	105	-	-	-	-	-	-	-	-	132	-	-	176	-	-	-	-	-	-	38×32
38×30	-	103	-	-	-	-	-	-	-	-	129	-	-	172	-	-	-	-	-	-	38×30
38×28	-	-	-	-	-	-	-	-	-	-	127	-	-	169	-	-	-	-	-	-	38×28
38×26	-	-	-	-	-	-	-	-	-	-	124	-	-	165	-	-	-	-	-	-	38×26

[illegible]

[illegible]