



شركة الكفاءة
ALKAFAA COMPANY

“leading stockiest... reliable supplier”



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Executive Summary

ALKAFAA was established in **1982**. Nowadays, **ALKAFAA** is considered to be one of the leading suppliers and stockiest in Saudi Arabia.

Specialized in **Carbon and Stainless Steel Pipes, Fittings, Sheets and Valves**. **ALKAFAA** is an **Approved Vendor** for most of the leading companies and contractors (i.e. SAUDI ARAMCO, SABIC, SEC, MARAFIQ, SATORP, MA'ADEN, SINOPEC, SAIPEM, SAMSUNG, PETROFAC, TECHNICAS REUNIDAS, HYUNDAI, DAEWOO and many more).

Oil & Gas, Petrochemicals, Dairy Industry, Desalination Plants, Industrial Factories, Commercial and Infrastructure Construction Projects all are **industries and applications** of our range of materials.

Backed with **3 decades** of experience, **ALKAFAA** is known to provide quality products and services to national and international clients. The **network of branches and warehouses** of **ALKAFAA** enabled wide coverage, reaching remote projects and responding efficiently to client's demand.




Quality Policy

Our Quality Policy is to :



- Provide quality products and services; while focusing on Customer Satisfaction a key indicator to the overall operational success.
- Embedding quality assurance in material's life cycle and transactions, starting from the phase of planning & preparation for procurement; throughout inspection and storage till the phase of dispatch and delivery.
- Committed to continuously reduce environmental impact, improving the way of doing things, while delivering best products that fits customer's requirement also aspiring to exceed client's expectation.
- Enhancing relations with internal and external customers by reinforcing business ethics, being genuine, transparent, efficient and professional.



Product Portfolio

Product	Material	Construction	Standard	
PIPES 	CARBON STEEL	SEAMLESS & WELDED	API 5L	Specification for Line pipe
			ASTM A106	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service1
			ASTM A53	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
			ASTM A333	Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service1
			01-SAMSS-035	API 5L Line pipe
			01-SAMSS-038	Small quantity purchase of pipes from stockiest and approved mills.
			01-SAMSS-043	CS pipes for On-Plot piping's
	STAINLESS STEEL	SEAMLESS & WELDED	ASTM A312	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
			01-SAMSS-046	Stainless steel pipes

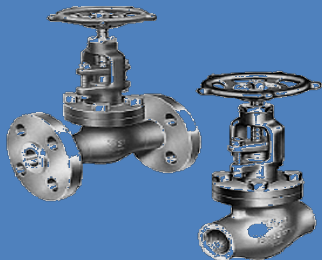
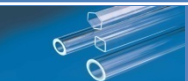
Product Portfolio

Product	Material	Construction	Standard	
FITTINGS 	CARBON STEEL	Forged	ASTM A105	Standard Specification for Carbon Steel Forgings for Piping Applications
			ASTM A350	Standard Specification for Carbon and Low-Alloy Steel Forgings, Requiring Notch Toughness Testing for Piping Components
		Butt weld-Seamless & Welded	ASTM A234	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service
			ASTM A420	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service1
			ASTM A860	Standard Specification for Wrought High-Strength Low-Alloy Steel Butt-Welding Fittings
			MSS SP 75	Specification of high test, wrought, butt weld fittings.
			02-SAMSS-005	Butt welding pipe Fittings.
	STAINLESS STEEL	Forged	ASTM A182	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service
		Butt weld-Seamless & Welded	ASTM A403	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Product Portfolio

Product	Material	Construction	Standard	
<div>FLANGES</div> <div></div>	CARBON STEEL	Forged	ASTM A105	Standard Specification for Carbon Steel Forgings for Piping Applications
			ASTM A350	Standard Specification for Carbon and Low-Alloy Steel Forgings, Requiring Notch Toughness Testing for Piping Components
	STAINLESS STEEL		ASTM A182	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service
			02-SAMSS-011	Forged steel and alloy flanges.
<div>SHEETS & PLATES</div> <div></div>	STAINLESS STEEL		ASTM A240	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
	ALUMINUM PLAIN & CHECKRED		Alloy 1050 & 3003	Aluminum Alloy A1050 & A3003 H14 & H24. Aluminum Checkered

Product Portfolio

Product	Material	Construction	Standard	
VALVES 	CARBON STEEL	Forged	ASTM A105	Standard Specification for Carbon Steel Forgings for Piping Applications
			ASTM A350	Standard Specification for Carbon and Low-Alloy Steel Forgings, Requiring Notch Toughness Testing for Piping Components
		Cast	ASTM A216	Standard Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service
			ASTM A352	Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing Parts, Suitable for Low-Temperature Service
	STAINLESS STEEL	Forged	ASTM A182	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service
		Cast	ASTM A351	Standard Specification for Castings, Austenitic, for Pressure-Containing Parts
 BARS	STAINLESS STEEL		ASTM A276	Standard Specification for Stainless steel Bars & Shapes.
 TUBES	STAINLESS STEEL		ASTM A269	Standard Specification for seamless and welded Austenitic Stainless Steel Tubing for General Service

Connected Worldwide

Stocking material from all over the world



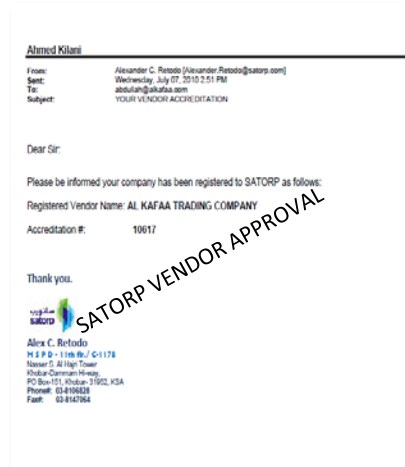
Category	COUNTRY
Carbon Steel (CS) , Welded Pipes ,	SAUDI ARABIA
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	GERMANY
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	FRANCE
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	ITALY
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	SPAIN
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings ,Flanges, SS Bars, SS Sheets/Plates Aluminum Plain & Checkered Sheets/Plates	CHINA
Carbon Steel (CS) , Welded Pipes ,	UKRAINE
Carbon Steel (CS) , Welded Pipes ,	OMAN
Aluminum Sheets/Plates	BAHRAIN
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	AUSTRIA
Carbon Steel (CS) & Stainless Steel (SS) Fittings , Flanges & Bars	INDIA
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	KOREA
Carbon Steel (CS) , Pipes	BRAZIL,
Carbon Steel (CS) & Stainless Steel (SS) Pipes , Fittings & Flanges	THAILAND

Our products are complying with the latest edition of the references listed below:

- SAUDI ARAMCO MATERIAL SYSTEM SPECIFICATIONS (SAMSS)
- AMERICAN PETROLEUM INSTITUTE (API)
- AMERICAN SOCIETY FOR TESTING AND MATERIAL (ASTM)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- SAUDI ARAMCO INSPECTION REQUIREMENTS (SAIR)

Certificates & Approvals

Overview Snapshots



Conversion Table

Metric System



شركة الكفاءة
ALKAFAA COMPANY

Wall = Wall thickness in millimeters Wt = Weight in kilograms per meter																				Figures based on Austenitic Steel								Shipping										
Nominal Pipe Size Inch mm	O.D. mm	Schedule 10		Schedule 20		Schedule 30		Standard		Schedule 40		Schedule 60		Schedule XS		Schedule 80		Schedule 100		Schedule 120		Schedule 140		Schedule 160		Schedule XXS		Schedule 5S		Schedule 10S		Schedule 40S		Schedule 80S		Vol/M m3		
		Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt	Wall	Wt					
1/8	5	10.3						1.73	0.37	1.73	0.37			2.41	0.47	2.41	0.47														1.24	0.28	1.73	0.36	2.41	0.48	0.0001	
1/4	8	13.7						2.24	0.63	2.24	0.63			3.02	0.80	3.02	0.80														1.65	0.51	2.24	0.64	3.02	0.82	0.0002	
3/8	10	17.1						2.31	0.84	2.31	0.84			3.20	1.10	3.20	1.10														1.65	0.64	2.31	0.86	3.20	1.12	0.0003	
1/2	15	21.3						2.77	1.27	2.77	1.27			3.73	1.62	3.73	1.62							4.78	1.95	7.47	2.55	1.65	0.82	2.11	1.01	2.77	1.30	3.73	1.65	0.0004		
3/4	20	26.7						2.87	1.69	2.87	1.69			3.91	2.20	3.91	2.20							5.56	2.90	7.82	3.64	1.65	1.04	2.11	1.31	2.87	1.71	3.91	2.24	0.0007		
1	25	33.4						3.38	2.50	3.38	2.50			4.55	3.24	4.55	3.24							6.35	4.24	9.09	5.45	1.65	1.33	2.77	2.13	3.38	2.55	4.55	3.29	0.0011		
1 1/4	32	42.2						3.56	3.39	3.56	3.39			4.85	4.47	4.85	4.47							6.35	5.61	9.70	7.77	1.65	1.68	2.77	2.76	3.56	3.46	4.85	4.56	0.0018		
1 1/2	40	48.3						3.68	4.05	3.68	4.05			5.08	5.41	5.08	5.41							7.14	7.25	10.15	9.56	1.65	1.95	2.77	3.17	3.68	4.13	5.08	5.51	0.0023		
2	50	60.3						3.91	5.44	3.91	5.44			5.54	7.48	5.54	7.48							8.74	11.11	11.07	13.44	1.65	2.44	2.77	4.01	3.91	5.54	5.54	7.63	0.0036		
2 1/2	65	73.0						5.16	8.63	5.16	8.63			7.01	11.41	7.01	11.41							9.53	14.92	14.02	20.39	2.11	3.77	3.05	5.36	5.16	8.81	7.01	11.64	0.0053		
3	80	88.9						5.49	11.29	5.49	11.29			7.62	15.27	7.62	15.27							11.13	21.35	15.24	27.68	2.11	4.60	3.05	6.59	5.49	11.52	7.62	15.59	0.0079		
3 1/2	90	101.6						5.74	13.57	5.74	13.57			8.08	18.63	8.08	18.63												2.11	5.29	3.05	7.55	5.74	13.84	8.08	19.01	0.0103	
4	100	114.3						6.02	16.07	6.02	16.07			8.56	22.32	8.56	22.32			11.13	28.32			13.49	33.54	17.12	41.03	2.11	5.96	3.05	8.52	6.02	16.40	8.56	22.77	0.0130		
5	125	141.3						6.55	21.77	6.55	21.77			9.53	30.97	9.53	30.97			12.70	40.28			15.88	49.11	19.05	57.43	2.77	9.67	3.40	11.82	6.55	22.20	9.53	31.59	0.0199		
6	150	168.3						7.11	28.26	7.11	28.26			10.97	42.56	10.97	42.56			14.27	54.20			18.26	67.56	21.95	79.22	2.77	11.55	3.40	14.13	7.11	28.83	10.97	43.42	0.028		
8	200	219.1				6.35	33.31	7.04	36.81	8.18	42.55	8.18	42.55	10.31	53.08	12.70	64.64	12.70	64.64	15.09	75.92	18.26	90.44	20.62	100.92	23.01	111.27	22.23	107.92	2.77	15.09	3.76	20.37	8.18	43.39	12.70	65.95	0.048
10	250	273.1				6.35	41.77	7.80	51.03	9.27	60.31	9.27	60.31	12.70	81.55	12.70	81.55	15.09	96.01	18.26	114.75	21.44	133.06	25.40	155.15	28.58	172.33	25.40	155.15	3.40	23.08	4.19	28.34	9.27	61.52	12.70	83.19	0.074
12	300	323.9				6.35	49.73	8.38	65.20	9.53	73.88	10.31	79.73	14.27	108.96	12.70	97.46	17.48	132.08	21.44	159.91	25.40	186.97	28.58	208.14	33.32	238.76	25.40	186.97	3.96	31.89	4.57	36.73	9.53	75.32	12.70	99.43	0.104
14	350	355.6	6.35	54.69	7.92	67.90	9.53	81.33	9.53	81.33	11.13	94.55	15.09	126.71	12.70	107.39	19.05	158.10	23.83	194.96	27.79	224.65	31.75	253.56	35.71	281.71			3.96	35.06	4.78	42.14				0.126		
16	400	406.4	6.35	62.64	7.92	77.83	9.53	93.27	9.53	93.27	12.70	123.30	16.66	160.12	12.70	123.30	21.44	203.53	26.19	245.56	30.96	286.64	36.53	333.19	40.49	365.35			4.19	42.41	4.78	48.26				0.165		
18	450	457.0	6.35	70.57	7.92	87.71	11.13	122.38	9.53	105.16	14.27	155.80	19.05	205.74	12.70	139.15	23.88	254.55	29.36	309.62	34.93	363.56	39.67	408.26	45.24	459.37			4.19	47.77	4.78	54.36				0.208		
20	500	508.0	6.35	78.55	9.53	117.15	12.70	155.12	9.53	117.15	15.09	183.42	20.62	247.83	12.70	155.12	26.19	311.17	32.54	381.53	38.10	441.49	44.45	508.11	50.01	564.81			4.78	60.46	5.54	70.00				0.258		
22	550	559.0	6.35	86.54	9.53	129.13	12.70	171.09	9.53	129.13			22.23	294.25	12.70	171.09	28.58	373.83	34.93	451.42	41.28	527.02	47.63	600.63	53.98	672.26			4.78	66.57	5.54	77.06				0.312		
24	600	610.0	6.35	94.53	9.53	141.12	14.27	209.64	9.53	141.12	17.48	255.41	24.61	355.26	12.70	187.06	30.96	442.08	38.89	547.71	46.02	640.03	52.37	720.15	59.54	808.22			5.54	84.16	6.35	96.37				0.372		
26	650	660.0	7.92	127.36	12.70	202.72		9.53	152.87						12.70	202.72																					0.435	
28	700	711.0	7.92	137.32	12.70	218.69	15.88	271.21	9.53	164.85					12.70	218.69																					0.505	
30	750	762.0	7.92	147.28	12.70	234.67	15.88	292.18	9.53	176.84					12.70	234.67															6.35	120.72	7.92	150.36				0.580
32	800	813.0	7.92	157.24	12.70	250.64	15.88	312.15	9.53	188.82	17.48	342.91			12.70	250.64																					0.660	
34	850	864.0	7.92	167.20	12.70	266.61	15.88	332.12	9.53	200.31	17.48	364.90			12.70	266.61																					0.746	
36	900	914.0	7.92	176.96	12.70	282.27	15.88	351.70	9.53	212.56	19.05	420.42			12.70	282.27																					0.835	
38	950	965.0						9.53	224.54						12.70	298.24																					0.931	
40	1000	1016.0						9.53	236.53						12.70	314.22																					1.032	
42	1050	1067.0						9.53	248.52						12.70	330.19																					1.138	
44	1100	1118.0						9.53	260.50						12.70	346.16																					1.249	
46	1150	1168.0						9.53	272.25						12.70	351.82																					1.364	
48	1200	1219.0						9.53	284.24						12.70	377.79																					1.485	

English System



Wall = Wall thickness in inches Wt = Weight in lbs/ft																Figures based on Austenitic Steel								Shipping
Nominal Pipe Size inch	O.D. inches	Schedule 10 Wall Wt	Schedule 20 Wall Wt	Schedule 30 Wall Wt	Standard Wall Wt	Schedule 40 Wall Wt	Schedule 60 Wall Wt	Schedule XS Wall Wt	Schedule 80 Wall Wt	Schedule 100 Wall Wt	Schedule 120 Wall Wt	Schedule 140 Wall Wt	Schedule 160 Wall Wt	Schedule XXS Wall Wt	Schedule 5S Wall Wt	Schedule 10S Wall Wt	Schedule 40S Wall Wt	Schedule 80S Wall Wt	Vol/ft ft3					
1/8	5	0.405			0.068 0.24	0.068 0.24		0.095 0.31	0.095 0.31							0.049 0.19	0.068 0.24	0.950 0.32	0.004					
1/4	8	0.540			0.088 0.42	0.088 0.42		0.119 0.54	0.119 0.54							0.065 0.34	0.088 0.43	0.119 0.55	0.007					
3/8	10	0.675			0.091 0.57	0.091 0.57		0.126 0.74	0.126 0.74							0.065 0.43	0.091 0.58	0.126 0.75	0.011					
1/2	15	0.840			0.109 0.85	0.109 0.85		0.147 1.09	0.147 1.09				0.188 1.31	0.294 1.71	0.065 0.55	0.083 0.68	0.109 0.87	0.147 1.11	0.014					
3/4	20	1.050			0.113 1.13	0.113 1.13		0.154 1.47	0.154 1.47				0.219 1.94	0.308 2.44	0.065 0.70	0.083 0.88	0.113 1.15	0.154 1.50	0.025					
1	25	1.315			0.133 1.68	0.133 1.68		0.179 2.17	0.179 2.17				0.250 2.84	0.358 3.66	0.065 0.89	0.109 1.43	0.133 1.71	0.179 2.21	0.039					
1 1/4	32	1.660			0.140 2.27	0.140 2.27		0.191 3.00	0.191 3.00				0.250 3.76	0.382 5.21	0.065 1.13	0.109 1.85	0.140 2.32	0.191 3.06	0.064					
1 1/2	40	1.900			0.145 2.72	0.145 2.72		0.200 3.63	0.200 3.63				0.281 4.86	0.400 6.41	0.065 1.31	0.109 2.13	0.145 2.77	0.200 3.70	0.081					
2	50	2.375			0.154 3.65	0.154 3.65		0.218 5.02	0.218 5.02				0.344 7.46	0.436 9.03	0.065 1.64	0.109 2.69	0.154 3.72	0.218 5.12	0.127					
2 1/2	65	2.875			0.203 5.79	0.203 5.79		0.276 7.66	0.276 7.66				0.375 10.01	0.552 13.69	0.083 2.53	0.120 3.60	0.203 5.91	0.276 7.81	0.187					
3	80	3.500			0.216 7.58	0.216 7.58		0.300 10.25	0.300 10.25				0.438 14.32	0.600 18.58	0.083 3.09	0.120 4.42	0.216 7.73	0.300 14.46	0.279					
3 1/2	90	4.000			0.226 9.11	0.226 9.11		0.318 12.50	0.318 12.50						0.083 3.55	0.120 5.00	0.226 9.29	0.318 12.76	0.364					
4	100	4.500			0.237 10.79	0.237 10.79		0.337 14.98	0.337 14.98		0.438 19.00		0.531 22.51	0.674 27.54	0.083 4.00	0.120 5.72	0.237 11.01	0.337 15.28	0.459					
5	125	5.563			0.258 14.62	0.258 14.62		0.375 20.78	0.375 20.78		0.500 27.04		0.625 32.96	0.750 38.55	0.109 6.49	0.134 7.93	0.258 14.91	0.375 21.20	0.703					
6	150	6.625			0.280 18.97	0.280 18.97		0.432 28.57	0.432 28.57		0.562 36.39		0.719 45.35	0.864 53.16	0.109 7.75	0.134 9.48	0.278 19.35	0.432 29.14	0.989					
8	200	8.625	0.250 22.36	0.277 24.70	0.322 28.55	0.322 28.55	0.406 35.64	0.500 43.39	0.500 43.39	0.594 50.95	0.719 60.71	0.812 67.76	0.906 74.69	0.875 72.42	0.109 10.13	0.148 13.67	0.322 29.12	0.500 44.26	1.695					
10	250	10.750	0.250 28.04	0.307 34.24	0.365 40.48	0.365 40.48	0.500 54.74	0.500 54.74	0.594 64.43	0.719 77.03	0.844 89.29	1.000 104.13	1.125 115.64	1.000 104.13	0.134 15.49	0.165 19.02	0.365 41.29	0.500 55.83	2.613					
12	300	12.750	0.250 33.38	0.330 43.77	0.375 49.56	0.406 53.52	0.562 73.15	0.500 65.42	0.688 88.63	0.844 107.32	1.000 125.49	1.125 139.67	1.312 160.27	1.000 125.49	0.156 21.40	0.180 24.65	0.375 50.55	0.500 66.73	3.673					
14	350	14.000	0.250 36.71	0.312 45.61	0.375 54.57	0.375 54.57	0.438 63.44	0.594 85.05	0.500 72.09	0.750 106.13	0.938 130.85	1.094 150.79	1.250 170.21	1.406 189.11	0.156 23.53	0.188 28.28			4.450					
16	400	16.000	0.250 42.05	0.312 52.27	0.375 62.58	0.375 62.58	0.500 82.77	0.656 107.50	0.500 82.77	0.844 136.61	1.031 164.82	1.219 192.43	1.438 223.64	1.594 245.25	0.165 28.46	0.188 32.39			5.827					
18	450	18.000	0.250 47.39	0.312 58.94	0.438 82.15	0.375 70.59	0.562 104.67	0.750 138.17	0.500 93.45	0.938 170.92	1.156 207.96	1.375 244.14	1.562 274.22	1.781 308.50	0.165 32.06	0.188 36.48			7.345					
20	500	20.000	0.250 52.73	0.375 78.60	0.500 104.13	0.375 78.60	0.594 123.11	0.812 166.40	0.500 104.13	1.031 208.87	1.281 256.10	1.500 296.37	1.750 341.09	1.969 379.17	0.188 40.58	0.218 46.98			9.111					
22	550	22.000	0.250 58.07	0.375 86.61	0.500 114.81	0.375 86.61	0.875 197.41	0.500 114.81	1.125 250.81	1.375 302.88	1.625 353.61	1.875 403.00	2.125 451.06		0.188 44.68	0.218 51.72			11.018					
24	600	24.000	0.250 63.41	0.375 94.62	0.562 140.68	0.375 94.62	0.688 171.29	0.969 238.35	0.500 125.49	1.219 296.58	1.531 367.39	1.812 429.39	2.062 483.12	2.344 542.13	0.218 56.48	0.250 64.68			13.137					
26	650	26.000	0.312 85.60	0.500 136.17		0.375 102.63		0.500 136.17											15.361					
28	700	28.000	0.312 92.26	0.500 146.85	0.625 182.73	0.375 110.64		0.500 146.85											17.833					
30	750	30.000	0.312 98.93	0.500 157.53	0.625 196.08	0.375 118.65		0.500 157.53							0.250 81.02	0.312 100.91			20.482					
32	800	32.000	0.312 105.59	0.500 168.21	0.625 209.43	0.375 126.66	0.688 230.08	0.500 168.21											23.307					
34	850	34.000	0.312 112.25	0.500 178.89	0.625 222.78	0.375 134.67	0.688 244.77	0.500 178.89											26.344					
36	900	36.000	0.312 118.92	0.500 189.57	0.625 236.13	0.375 142.68	0.750 282.35	0.500 189.57											29.487					
38	950	38.000				0.375 150.69		0.500 200.25											32.877					
40	1000	40.000				0.375 158.70		0.500 210.93											36.444					
42	1050	42.000				0.375 166.71		0.500 221.61											40.187					
44	1100	44.000				0.375 174.72		0.500 232.29											44.107					
46	1150	46.000				0.375 182.73		0.500 242.97											48.168					
48	1200	48.000				0.375 190.74		0.500 253.65											52.440					



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