STAR FIT

Stainless Steel Pipe & Screw Fittings

Technical Information

Whithworth-Threads acc. EN 10226 (old DIN 2999)
Our pipe and threaded fittings are manufactured with threads according to EN 10226 part 1. All threads manufactured to this standard are conical on the outside (sign R) and cylindrical on the inside (sign Rp).

Thread according to ISO 228
Pipe nipples, hexagon nuts and unions are produced according to ISO 228 part 1. All threads manufactured to this standard are cylindrical on the outside (sign G) and cylindrical on the inside (sign G).

NPT-thread
Our pipe and threaded fittings are also available with NPT-thread.

Pressure- and Temperature Limits
We recommend the following preassure for our fittings:

Precision investment casting (Material AISI 316)

NW / Diam.	Zoll / Inch	ND +20°
6 - 50	1/8 - 2	16 bar
65 - 100	2 1/2 - 4	12 bar
125 - 150	5 - 6	10 bar

Pipe threaded fittings (Material AISI 321 or AISI 316Ti)

NW / Diam.	Zoll / Inch	ND +20°
6 - 50	1/8 - 2	50 bar
65 - 100	2 1/2 - 4	50 bar
125 - 150	5 - 6	50 bar

All pressure rates are without any guarantee. We recommend to carry out a pressure and leak test after installation.

Technical Information

Witworth-Threads according to EN 10226 / Usable of taper external threads

Abm. /size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
mm	6.5	9.7	10.1	13.2	14.5	16.8	19.1	19.1	23.4	26.7	29.8	35.8

Tubes of medium weight suitable for screwing according DIN EN ISO 1127

Abm. / Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DN	6	8	10	15	20	25	32	40	50	65	80	100
a. Durchm. / O.D. mm	10.2	13.5	17.2	21.3	26.9	33.7	42.4	48.4	60.3	76.1	88.9	114.3
Wd. / Thickn. mm		2.00	2.35	2.35	2.65	2.65	3.25	3.25	3.65	3.65	4.05	4.50

Test Certificates
Threaded fittings manufactured according to EN 10241 can be delivered with the from pipes and bars (308 / 309 / 310 / 331 / 333 / 334) Material AISI 321 and AISI 316Ti available with test certificates according to EN 10204 3.1 for starting material.

Special Quality Items
Futhermore, we manufacture customized fittings according to your drawings or specifications.

Starfit Stainless Steel Pipe Fittings

Weld Nipple

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
EN 10241	L	30	30	30	35	40	40	50	50	50	60	70	80
	S	1.8	2.1	2.1	2.4	2.4	2.9	2.9	2.9	3.3	3.3	3.6	4.1

Running Nipple

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
EN 10241	A	10.2	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3
	B	16	18	22	25	30	35	38	38	45	55	60	70

Barrel Nipple

Standard	Size	1/8	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
	DN	6	8	8	8	8	8	8	10	10	10	10	10
EN 10241	L	30	30	40	60	80	100	120	30	40	60	80	100

Standard	Size	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4
	DN	10	10	10	15	15	15	15	15	15	15	15	20
EN 10241	L	120	150	200	40	60	80	100	120	150	200	300	40

Standard	Size	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1	1	1
	DN	20	20	20	20	20	20	20	25	25	25	25	25
EN 10241	L	60	80	100	120	150	200	300	40	60	80	100	120

Standard	Size	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2
	DN	25	25	25	32	32	32	32	32	32	32	32	40
EN 10241	L	150	200	300	40	60	80	100	120	150	200	300	40

Standard	Size	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	11/2	2	2	2	2	2	2
	DN	40	40	40	40	40	40	50	50	50	50	50	50
EN 10241	L	60	80	100	120	150	200	40	60	80	100	120	150

Standard	Size	2	2 1/2	3	4
	DN	50	65	80	100
EN 10241	L	200	100	120	120

Half Socket according to EN 10241

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
EN 10241	A	15	18.5	21.3	26.6	31.8	39.5	48.3	54.5	68.0	84.2	98.4	124.0
	B	8	11	12	15	17	20	22	22	26	30	33	39

Socket according to EN 10241

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
EN 10214	A	15.0	18.5	21.3	26.6	31.8	39.5	48.3	54.5	66.2	82.0	95.0	121.4
	B	20	25	26	34	36	43	48	48	56	65	71	83

Bend 90°, M/M

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	11/4	11/2	2	21/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
	B	50	64	73	86	102	121	146	165	203	248	292	381

Close Nipple

Standard	Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	8	10	15	20	25	32	40	50	65	80	100
EN 10241	A	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3
	B	24	25	29	32	38	38	44	44	57	64	76

Starfit Stainless Steel Screw Fittings

Elbow 90°, F/F

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	13.5	17	21	26.5	32.5	40	49	55	68	84	98.2	125
	B	17	19	22	25	28.5	34	40.5	45	54	68	78	94
KS	A	13.5	17	21.4	25.5	31.3	38.7	48	53.7	66.7	84	98	124
	B	14	18.5	20.8	25	27.5	33	39.5	43	52	61	70.5	89
SP114	A	16.5	18.5	23	27.8	33.9	41.3	50.4	57	69.7	81.2	98	124.6
	B	20.6	20.6	23.6	28.5	33.3	38.1	44.5	48	56.2	66.6	76.2	94.8

Street Elbow 90°, M/F

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	14.5	18	22	27.5	33.7	40	49	55	68	85.9	101	131.5
	B	15.4	17.6	20.5	23.5	27	31	37	41	51.5	62.5	79.3	100.5
	C	23	27	30	36	41	48	54.5	60	73	87	106.5	126.3
KS	A	14.5	18	22	25.4	31.1	38.3	47.8	54	66.5	85.9	101	131.5
	B	15.4	17.6	20.5	20.5	24	30	35.5	38.5	48	62.5	79.3	100.5
	C	23	27	30	30	34.5	39.5	46.5	49.5	60.5	87	106.5	126.3
SP114	A	19.1	21.4	25.7	30.5	37.1	45	54.7	61.8	75.2	84.1	101.6	128.6
	B	20.6	20.6	23.6	28.5	33.3	38.1	44.5	48	56.2	66.6	76.2	94.8
	C	27	30	36.4	41.2	47.5	53.9	63.5	68.9	81.6	96.8	112.8	142.3

Reducing Elbow 90°, F/F

Standard	Size	1/4	3/8	1/2	3/4		1		1 1/4		1 1/2		2
	DN	1/8	1/4	3/8	3/8	1/2	1/2	3/4	3/4	1	1	1 1/4	1 1/2
K	A	19	21	26	26.7	29	33.7	36	39.8	40	43.5	47	54.5
	B	16	20	25.5	25	28.8	31	32	36.8	37	40	44.5	48.5

Elbow 45°, F/F

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	16.5	21	25	29.5	37	45	54.2	59	75	86.5	108.5	136
	B	17.7	18.6	20.5	22.5	25	28.2	32.2	36.4	42	47	52	63
SP114	A	19.1	21.4	25.7	30.5	37.1	45	54.7	61.8	75.2	84.1	101.6	128.6
	B	17.6	17.6	20.6	22.1	25.4	28.5	33.3	35.4	41.7	47.5	53.9	64.6

Street Elbow 45°, M/F

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	16	19.8	23.3	28.84	35.6	39.6	53.58	59.8	73.23	85.5	100.1	129.5
	B	21	28	29	27.2	40	40	28.3	22.2	30	75	88	108
	C	15	17	19	20.8	24	29	26	32.8	35.4	46	48	62

Union Conical, F/F

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	25	33.9	36	39	41	50	51	57	62	68.5	78	91.5
KS	A	-	-	-	34.5	40.7	50	59	67	80	-	-	-
	B	-	-	-	38	41	48.5	51	56.5	62.5	-	-	-
SP114	A	-	-	-	37.3	45.1	54	64.2	72.5	87	-	-	-
	B	-	-	-	45	51	54	59	63	71	-	-	-

Union Flat, F/F

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	32	33	35.5	37.8	41	49	52	56.3	63	71.3	79	94
KS	A	-	-	-	34.5	40.7	50	59	67	80	-	-	-
	B	-	-	-	38	41	48.5	51	56.5	62.5	-	-	-

Union Conical, M/F

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	35.5	46	47.5	53.6	58.3	69	71.1	80	88.2	101	108	128.5
KS	A	-	-	-	34.5	40.7	50	59	67	80	-	-	-
	B	-	-	-	53	58	67.5	72	79.5	88.5	-	-	-

Union Flat, M/F

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	43.5	45	50.5	53.5	61.5	70.4	75.8	82.4	91.2	103.7	110	130
KS	A	-	-	-	34.5	40.7	50	59	67	80	-	-	-
	B	-	-	-	53	58	67.5	72	79.5	88.5	-	-	-

Union Conical, BW

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	40.6	36.4	37.2	39.1	41	46	52.8	53	55.3	88	104.3	107
	D	10.2	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3

Union Flat, BW

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	40.6	36.4	37.2	39.1	41	46	52.8	53	55.3	88	104.3	107
	D	10.2	13.5	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3

Union Conical, F/BW

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	29.1	29.1	34	37.5	44.5	53.5	64	71.5	85.5	108.5	123.5	153.5
	B	40.6	36.4	37.2	39.1	41	46	52.8	53	55.3	88	104.3	107
	D	10.3	13.7	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3

Starfit Stainless Steel Screw Fittings

Tee

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	13.5	17	21	26.5	32.5	40	49	55	68	83.2	99	131
	B	17	19	22	25	28.5	34	40.5	45	54	67	79.5	99.5
KS	A	13.5	17	21.4	25.5	31.3	38.7	48	53.7	66.7	84	98	124
	B	14	18.5	20.8	25	27.5	33	40	43	52	61	70.5	89
SP114	A	19.1	21.4	25.7	30.5	37.1	45	54.7	61.8	75.2	84.1	101.6	128.6
	B	20.6	20.6	23.6	28.5	33.3	38.1	44.5	48	56.2	66.6	76.2	94.8

Hexagon Nipple

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	11/4	11/2	2	21/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	10	14.6	18.1	22.4	28	35	44	50	62	78	91	116
	B	29.5	28	31	33.5	38	41.5	48.5	48.5	57	67	75	81
SP114	A	10.5	14	17.5	21.9	27.3	34.1	43.1	49.2	61.7	74	90.3	116
	B	23	26.6	30.1	33.8	38.4	44.9	48.9	50.4	54	68	72	79

Reducing Tee

Standard	Size	1/4	3/8		1/2		3/4			1	
		1/8	1/8	1/4	1/4	3/8	1/8	3/8	1/2	1/2	3/4
		1/4	3/8		1/2		3/4			1	
K	A	19.2	-	23	17.5	20.8	-	20.9	27.4	27.4	32.7
	B	29.6	-	24.5	24.8	25.8	-	28.2	30.2	34.4	35.3
	C	19.2	-	23.5	27.4	27.4	-	32.5	32.5	40.8	40.8
	D	29.6	-	23.8	22.3	23.9	-	25.4	28.8	31.7	34.1
KS	A	13.5	13.5	17	17.5	21.4	20.8	21.4	25.4	25.4	30.9
	B	17.2	17.8	19.1	19	20.5	25.9	21.5	24	26	29
	C	17	21.4	21.4	25.4	25.4	32.5	30.9	30.9	37.9	37.9
	D	15.3	17	20.2	21.5	21.9	27.5	24.6	27.7	31.1	32.1

Standard	Size	1 1/4			1 1/2				2			
		1/2	3/4	1	1/2	3/4	1	1 1/4	3/4	1	1 1/4	1 1/2
		1 1/4			1 1/2				2			
K	A	27.4	32.3	40.4	27.4	32.3	40.4	49.5	32.3	40.4	49.5	56.1
	B	36.8	39.5	40.9	40.9	43	43.7	46.9	48.9	49.7	53.6	55.3
	C	49.5	49.5	49.5	56.1	56.1	56.1	56.1	67.9	67.9	67.9	67.9
	D	34	36.9	39	35	36.5	40	43.9	39.9	43.9	48	51.9
KS	A	25.4	30.9	37.9	25.4	30.9	37.9	47.4	30.9	37.9	47.4	53.2
	B	28.5	31	34.5	29	31.5	35	39.5	35.5	39	43.5	46.5
	C	47.4	47.4	47.4	53.2	53.2	53.2	53.2	65.7	65.7	65.7	65.7
	D	34.5	36.5	39	38.4	39.4	41.9	44.4	45.3	47.8	50.3	50.3

Hexagon Reducing Nipple

		Hexagonal												
Standard	Size	1/4	3/8		1/2			3/4			1			
	DN	1/8	1/8	1/4	1/8	1/4	3/8	1/4	3/8	1/2	1/4	3/8	1/2	3/4
K	A	14.5	18	18	22	22		28	28	28	35	35	35	35
	B	28	31	31	34.5	37		40	41	42	43	44	45	47
KS	A	14.5	18	18	21.4	21.4		27	27	27	34	34	34	34
	B	22.5	24	26.5	27.5	30		31.5	32	35.5	34.5	35	38.5	39.5

		Hexagonal											
Standard	Size	1 1/4			1 1/2				2				
	DN	1/2	3/4	1	1/2	3/4	1	1 1/4	1/2	3/4	1	1 1/4	1 1/2
K	A	44	44	44	50	50	50	50	62	62	62	62	62
	B	48	50	52	50	52	54	56	54	56	58	60	60
KS	A	42.7	42.7	42.7	48.6	48.6	48.6	48.6	60.5	60.5	60.5	60.5	60.5
	B	41.5	42.5	45	41.5	42.5	45	47.5	45.5	46.5	49	51.5	51.5

		Octagonal							
Standard	Size	2 1/2		3			4		
	DN	1 1/2	2	1 1/2	2	2 1/2	2	2 1/2	3
K	A	79	79	92	92	92	118	118	118
	B	66	70	68.5	73.5	76	77	79.5	82
KS	A	78	78	91	91	91	116	116	116
	B	54.5	59	58	62.5	64.5	69	71	74

Hose Nipple

		Hexagonal											
Standard	Size	1/8	1/4			3/8				1/2			
	DN	6	8			10				15			
K	A	12	14	15	15	18.2	19	17.2	22.5	22.5	23.2	22	23.2
	B	35	42.4	46	47	48.5	47.5	51	61.4	63	60	61.5	63
	C	7	7	9	11	9	11	13	16	9	13	15	20
	D	18.2	24.4	29	29	28.8	31.6	31.6	37	38.5	38.5	37	38
KS	A	11	14	14	15	18.2	17.5	17.2	22.5	22.5	21.5	22	23.2
	B	29	42.4	40	47	48.5	40	51	61.4	63	47.5	61.5	63
	C	7	7	9	11	9	11	13	16	9	13	15	20
	D	17	24.4	23	29	28.8	23	31.6	37	38.5	28	37	38

		Hexagonal				Octagonal			Decagonal	
Standard	Size	3/4		1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	20		25	32	40	50	65	80	100
K	A	29	29	34.8	45	50	61.3	78.5	93.5	118.5
	B	63	63	70	73	88	92	109	123.5	128
	C	16	20	25	33	39	51	65	77.5	103
	D	37	38	42.2	46	55	59.5	72	80.6	84
KS	A	29	27	34	42.7	48.6	60.5	78	91	116
	B	63	50.5	61	63.5	75	79	89	102.5	109
	C	16	20	25	33	39	51	65	77.5	103
	D	37	28	36	36	44	44	55	65	65

Hexagon Bushing

		Hexagonal													
Standard	Size	1/4	3/8		1/2			3/4			1				
	DN	1/8	1/8	1/4	1/8	1/4	3/8	1/4	3/8	1/2	1/8	1/4	3/8	1/2	3/4
K	A	14.5	18		22			28			35				
	B	17	18.5		22			25			28				
KS	A	14.5	18		21.4			27			33.9				
	B	14.5	16		19.5			21			24				
SP114	A	15.6	17.2		22.1			26.9			34.8				
	B	15.3	17.3		19.4			21.9			25.7				

		Hexagonal				Octagonal									
Standard	Size	1 1/4				1 1/2					2				
	DN	3/8	1/2	3/4	1	3/8	1/2	3/4	1	1 1/4	1/2	3/4	1	1 1/4	1 1/2
K	A	44				50					62				
	B	31				33					37				
KS	A	42.7				48.6					60.5				
	B	27				27					31				
SP114	A	44.3				50.7					63.4				
	B	28.2				28.7					31.5				

		Octagonal				Decagonal							
Standard	Size	2 1/2				3					4		
	DN	1	1 1/4	1 1/2	2	1	1 1/4	1 1/2	2	2 1/2	2	2 1/2	3
K	A	79				92					118		
	B	42				44.5					48		
KS	A	78				91					116		
	B	34				37.5					44		
SP114	A	76.1				95					117.2		
	B	39				41.5					49		

Hexagon Plug according to DIN 910 Casted

		Hexagonal							Octagonal	
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
	DN	6	8	10	15	20	25	32	40	50
K	L	17	21	21	26	30	32	33	33	40
	S	10	13	17	19	24	27	30	30	36

Hexagon Nut according to DIN 431 Casted

		Hexagonal									Octagonal		
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	17.2	22	27	32	36	46	55	60	75	95	105	135
	B	7.1	6	7	8	9	10	11	12	13	16	19	22

Cross

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	L	16.4	20	23.5	27.5	32.7	40.3	49	55.5	67.8	86.5	101.7	124
	S	17	18.8	23	27	31.5	36.5	42.5	47.5	56.5	67	77.5	93.5

Cast Socket W/OD Machined

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	11/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	13	16.5	20	24	30	37	45.5	52	64	81.5	93.5	120
	B	17	24	25	27	31	34	38	38	46	58	61	71

Half Socket W/OD Machined

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	14.5	16.8	20	24.2	30	37	46.2	52.5	64.8	81.1	94.5	121
	B	8	10.7	12.2	15.2	16.2	19.9	22.3	22.3	26.4	30	32	38

Square Plug

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	7	8	9	12	16	19	23	26	32	40	45	58
	B	15.5	19	18	21	24	27	30	33	38	44	47.5	54
KS	A	7	8	9	10	14	17	20	23	28	36	40	52
	B	15.5	19	18	18.5	21	24	28	28	34	38.5	41.5	51.5
SP114	A	7.1	9.5	11.1	14.2	15.8	20.6	23.8	28.5	33.3	38.1	42.8	57.1
	B	15.7	18.5	20.3	24.2	27.5	32	34.9	37.1	39.9	46.5	49.5	57.1

Hexagon Plug

		Hexagonal							Octagonal			Decogonal	
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	16.8	16.8	18	22	28	35	44	50	62	79	92	118
	B	17.7	17.7	18.5	22	25	28	31	33	37	42	44.5	49
KS	A	16.8	16.8	18	22	28	35	44	50	62	78	91	116
	B	17.7	17.7	18.5	19.5	22	24.8	28.8	28.8	33.5	34	37.5	44

Round Cap

Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	16.5	19.8	23.3	25.5	31.5	39.5	48.5	56.7	67.9	84.6	98.3	124
	B	11.5	13.4	18	21	22.5	22.5	25.5	29.2	35.5	40.9	43.7	47
KS	A	16.5	19.8	21.4	25.6	31.8	39	48.4	54.4	67	84	98	124
	B	11.5	13.4	16.9	18.6	20	23	26.2	26.2	31	31.7	35.1	41.6
SP114	A	-	-	-	30.5	37.1	45	54.7	61.8	75.2	-	-	-
	B	-	-	-	23.8	27.1	33.4	41.3	41.3	44.6	-	-	-

Hexagon Head Cap

		Hexagonal							Octagonal			Decagonal	
Standard	Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
	DN	6	8	10	15	20	25	32	40	50	65	80	100
K	A	14.5	18.4	21.4	24.5	30	37.5	46.5	53.4	66	82.4	96	121
	B	13.7	15.6	18	21	22.5	22.5	25.5	29.2	35.5	40.9	44	47
KS	A	12.5	16	19.5	24	29.5	36.5	45.5	52	64	81	94.5	120.5
	B	11.8	15	15.4	17.1	18.5	21	23.7	23.7	27.5	31.7	35.1	41.6

Reducing Socket

Standard	Size	1/4	3/8		1/2			3/4				1			
		1/8	1/8	1/4	1/8	1/4	3/8	1/8	1/4	3/8	1/2	1/4	3/8	1/2	3/4
K	A	18.5	22	22	26.5	26.5	26.5	32.5	32.5	32.5	32.5	40	40	40	40
	B	24.9	7.12	29	27.5	29.4	31.6	28.5	30.4	32.6	33	34.4	36.6	37	38
KS	A	18.5	22	22	26	26	26	32	32	32	32	39	39	39	39
	B	24.9	7.12	29	21	25	28	22	24	24	32.5	26.5	27	29.5	36.4
SP114	A	21.4	25.7	25.7	30.5	30.5	30.5	-	337.1	37.1	37.1	-	45	45	45
	B	25.4	28.5	28.5	35.1	35.1	35.1	-	38.1	38.1	38.1	-	41.2	41.2	41.2

Standard	Size	1 1/4					1 1/2					2	
		1/4	3/8	1/2	3/4	1	3/8	1/2	3/4	1	1 1/4	1/2	3/4
K	A	48	49	49	49	49	54	55	55	55	55	68	68
	B	29	39.6	40	41	45	30	41	42	46	49	45	46
KS	A	48	48	48	48	48	54	54	54	54	54	66	66
	B	29	29.5	32	33	42	30	32	33	34.5	44.3	35.5	36.5
SP114	A	-	-	54.7	54.7	54.7	-	-	61.8	61.8	61.8	-	-
	B	-	-	50.8	50.8	50.8	-	-	53.9	53.9	53.9	-	-

Reducing Socket

Standard	Size	2			2 1/2					3			
		1	1 1/4	11/2	3/4	1	1 1/4	1 1/2	2	1 1/4	1 1/2	2	2 1/2
K	A	68	68	68	84	84	84	84	84	97.5	97.5	97.5	97.5
	B	50	53	54	49	53	56	57	61	59	60	64	67
KS	A	66	66	66	84	84	84	84	84	97.5	97.5	97.5	97.5
	B	38	40	47.8	49	53	56	57	61	59	60	64	67
SP114	A	75.2	75.2	75.2	-	-	84.1	84.1	84.1	-	101.6	101.6	101.6
	B	63.5	63.5	63.5	-	-	82.6	82.6	82.6	-	93.5	93.5	93.5

Standard	Size	4			
		1 1/2	2	2 1/2	3
K	A	124	124	124	124
	B	66	70	73	76
KS	A	124	124	124	124
	B	66	70	73	76
SP114	A	-	128.6	128.6	128.6
	B	-	111.3	111.3	111.3

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