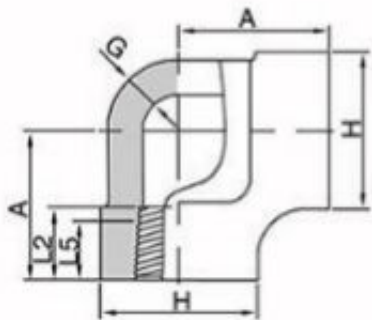


Threaded 90° Elbow

Forged steel threaded fitting | Class 2000 / 3000



Threaded 90° Elbow

DIMENSIONAL REFERENCE

A center-to-end dimension

H outside diameter of band

G minimum wall thickness

L1 / L2 minimum thread lengths

Dimensions are shown separately by pressure class.

Confirm thread form and end connections at order.

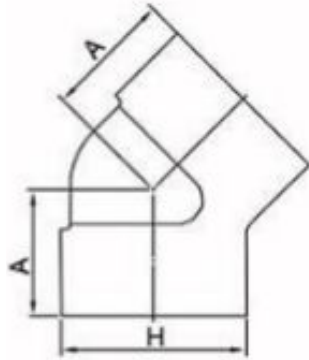
DIMENSIONS / mm

THREADED 2000 / 3000 | TH-90-2000-3000

DN	NPS	A 2000	A 3000	H 2000	H 3000	G 2000	G 3000	L1 min	L2 min
6	1/8	21	21	22	22	3.18	3.18	6.4	6.7
8	1/4	21	25	22	25	3.18	3.30	8.1	10.2
10	3/8	25	28	25	33	3.18	3.51	9.1	10.4
15	1/2	28	33	33	38	3.18	4.09	10.9	13.6
20	3/4	33	38	38	46	3.18	4.32	12.7	13.9
25	1	38	44	46	56	3.68	4.98	14.7	17.3
32	1 1/4	44	51	56	62	3.89	5.28	17.0	18.0
40	1 1/2	51	60	62	75	4.01	5.56	17.8	18.4
50	2	60	64	75	84	4.27	7.14	19.0	19.2
65	2 1/2	76	83	92	102	5.61	7.65	23.6	28.9
80	3	86	95	109	121	5.99	8.84	25.9	30.5
100	4	106	114	146	152	6.55	11.18	27.7	33.0

Threaded 45° Elbow

Forged steel threaded fitting | Class 2000 / 3000



Threaded 45° Elbow

DIMENSIONAL REFERENCE

A center-to-end dimension

H outside diameter of band

G minimum wall thickness

L1 / L2 minimum thread lengths

Dimensions are shown separately by pressure class.

Confirm thread form and end connections at order.

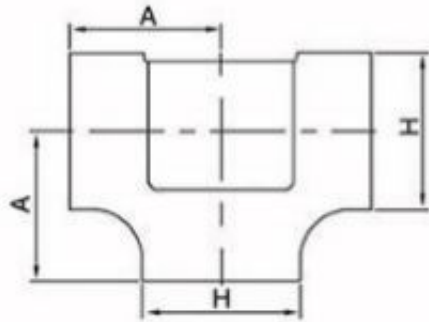
DIMENSIONS / mm

THREADED 2000 / 3000 | TH-45-2000-3000

DN	NPS	A 2000	A 3000	H 2000	H 3000	G 2000	G 3000	L1 min	L2 min
6	1/8	17	17	22	22	3.18	3.18	6.4	6.7
8	1/4	17	19	22	25	3.18	3.30	8.1	10.2
10	3/8	19	22	25	33	3.18	3.51	9.1	10.4
15	1/2	22	25	33	38	3.18	4.09	10.9	13.6
20	3/4	25	28	38	46	3.18	4.32	12.7	13.9
25	1	28	33	46	56	3.68	4.98	14.7	17.3
32	1 1/4	33	35	56	62	3.89	5.28	17.0	18.0
40	1 1/2	35	43	62	75	4.01	5.56	17.8	18.4
50	2	43	44	75	84	4.27	7.14	19.0	19.2
65	2 1/2	52	52	92	102	5.61	7.65	23.6	28.9
80	3	64	64	109	121	5.99	8.84	25.9	30.5
100	4	79	79	146	152	6.55	11.18	27.7	33.0

Threaded Tee

Forged steel threaded fitting | Class 2000 / 3000



Threaded Tee

DIMENSIONAL REFERENCE

A center-to-end dimension

H outside diameter of band

G minimum wall thickness

L1 / L2 minimum thread lengths

Dimensions are shown separately by pressure class.

Confirm thread form and end connections at order.

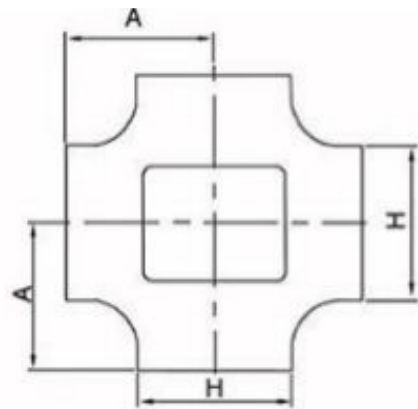
DIMENSIONS / mm

THREADED 2000 / 3000 | TH-TEE-2000-3000

DN	NPS	A 2000	A 3000	H 2000	H 3000	G 2000	G 3000	L1 min	L2 min
6	1/8	21	21	22	22	3.18	3.18	6.4	6.7
8	1/4	21	25	22	25	3.18	3.30	8.1	10.2
10	3/8	25	28	25	33	3.18	3.51	9.1	10.4
15	1/2	28	33	33	38	3.18	4.09	10.9	13.6
20	3/4	33	38	38	46	3.18	4.32	12.7	13.9
25	1	38	44	46	56	3.68	4.98	14.7	17.3
32	1 1/4	44	51	56	62	3.89	5.28	17.0	18.0
40	1 1/2	51	60	62	75	4.01	5.56	17.8	18.4
50	2	60	64	75	84	4.27	7.14	19.0	19.2
65	2 1/2	76	83	92	102	5.61	7.65	23.6	28.9
80	3	86	95	109	121	5.99	8.84	25.9	30.5
100	4	106	114	146	152	6.55	11.18	27.7	33.0

Threaded Cross

Forged steel threaded fitting | Class 2000 / 3000



Threaded Cross

DIMENSIONAL REFERENCE

A center-to-end dimension

H outside diameter of band

G minimum wall thickness

L1 / L2 minimum thread lengths

Dimensions are shown separately by pressure class.

Confirm thread form and end connections at order.

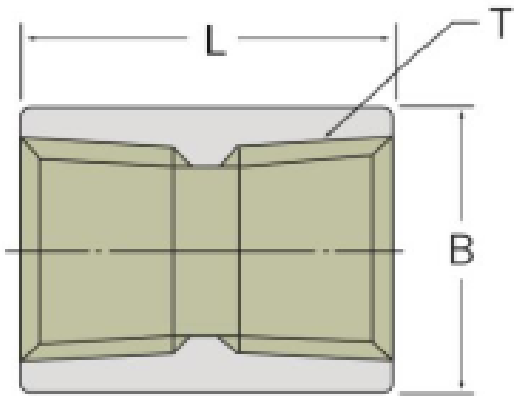
DIMENSIONS / mm

THREADED 2000 / 3000 | TH-CROSS-2000-3000

DN	NPS	A 2000	A 3000	H 2000	H 3000	G 2000	G 3000	L1 min	L2 min
6	1/8	21	21	22	22	3.18	3.18	6.4	6.7
8	1/4	21	25	22	25	3.18	3.30	8.1	10.2
10	3/8	25	28	25	33	3.18	3.51	9.1	10.4
15	1/2	28	33	33	38	3.18	4.09	10.9	13.6
20	3/4	33	38	38	46	3.18	4.32	12.7	13.9
25	1	38	44	46	56	3.68	4.98	14.7	17.3
32	1 1/4	44	51	56	62	3.89	5.28	17.0	18.0
40	1 1/2	51	60	62	75	4.01	5.56	17.8	18.4
50	2	60	64	75	84	4.27	7.14	19.0	19.2
65	2 1/2	76	83	92	102	5.61	7.65	23.6	28.9
80	3	86	95	109	121	5.99	8.84	25.9	30.5
100	4	106	114	146	152	6.55	11.18	27.7	33.0

Threaded Full Coupling

Forged steel threaded fitting | Class 3000



DIMENSIONAL REFERENCE

- B outside diameter
- L overall length
- Female threads at both ends.
- Class 3000 reference dimensions.

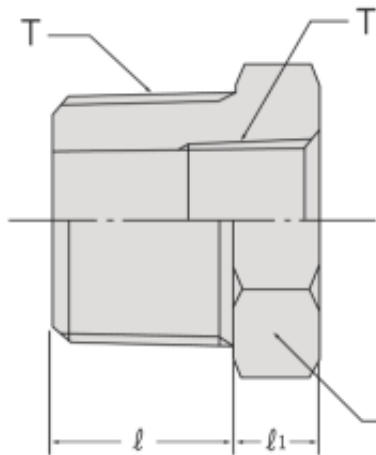
DIMENSIONS / mm

Class 3000 | TH-COUPLING-3000

NPS	B	L
1/4	22.0	35.1
3/8	26.0	38.1
1/2	32.0	48
3/4	38.0	51
1	46.0	61
1 1/4	55.0	67
1 1/2	63.0	80
2	75.0	86
2 1/2	95.0	92
3	110	108
3 1/2	140	114.3
4	152	121

Threaded Hex Bushing

Forged steel threaded fitting | Class 3000 / 6000 reference



DIMENSIONAL REFERENCE

H width across hex flats

l1 / l2 drawing lengths

Male and female thread sizes are listed separately for each reduction.

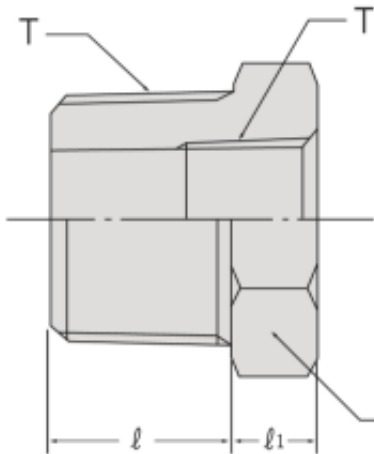
DIMENSIONS / mm

Class 3000 / 6000 reference | TH-BUSHING-3000-A

Male NPS	Female NPS	H (hex)	l1	l2
1/4	1/8	17	14	8
3/8	1/4	19	15	15
1/2	1/4	22	19	9
1/2	3/8	22	19	16
3/4	1/4	27	21	10
3/4	3/8	27	21	10
3/4	1/2	27	21	20
1	1/4	36	24	11
1	3/8	36	24	11
1	1/2	36	24	11
1	3/4	36	24	21

Threaded Hex Bushing (cont.)

Forged steel threaded fitting | Class 3000 / 6000 reference



DIMENSIONAL REFERENCE

H width across hex flats
l1 / l2 drawing lengths
Male and female thread sizes are listed separately for each reduction.

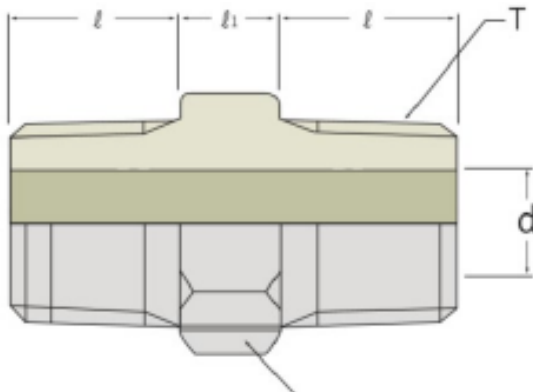
DIMENSIONS / mm

Class 3000 / 6000 reference | TH-BUSHING-3000-B

Male NPS	Female NPS	H (hex)	l1	l2
1 1/4	1/2	46	27	12
1 1/4	3/4	46	27	12
1 1/4	1	46	27	12
1 1/2	1/2	50	27	14
1 1/2	3/4	50	27	14
1 1/2	1	50	27	14
1 1/2	1 1/4	50	27	27
2	3/4	65	31	16
2	1	65	31	16
2	1 1/4	65	31	16
2	1 1/2	65	31	29

Threaded Hex Nipple

Forged steel threaded fitting | Class 3000 / 6000 reference



DIMENSIONAL REFERENCE

- d bore diameter
- H width across hex flats
- l length of each threaded end
- l1 center hex section length

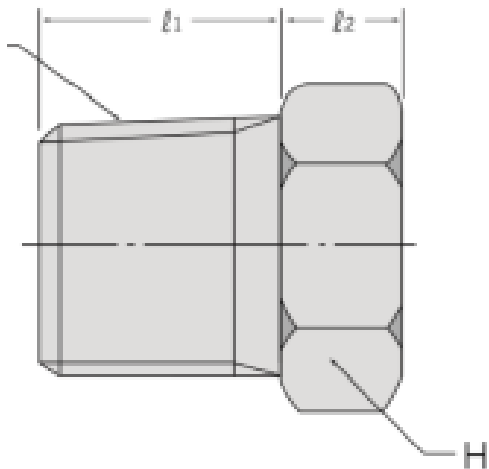
DIMENSIONS / mm

Class 3000 / 6000 reference | TH-NIPPLE-3000

NPS	d	H (hex)	l	l1
1/8	4	12	10	6
1/4	7	17	14	8
3/8	9	19	15	8
1/2	12	22	19	9
3/4	16	27	21	10
1	20	36	24	11
1 1/4	28	46	27	12
1 1/2	32	50	27	14
2	40	65	31	16

Threaded Hex Head Plug

Forged steel threaded fitting | Dimensional reference



DIMENSIONAL REFERENCE

l1 threaded section length

l2 hex head section length

H width across hex flats

Confirm the required thread form.

DIMENSIONS / mm

Dimensional reference | TH-PLUG-HEX

NPS	l1	l2	H (hex)
1/8	11	6.3	11
1/4	13	6.3	14
3/8	14	8	19
1/2	18	8	22
3/4	19	10	27
1	21	10	36
1 1/4	22	14	46
1 1/2	24	16	50
2	25	18	63
2 1/2	32	19	76
3	40	21	99
3 1/2	41	22	103
4	42	32	117