

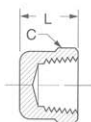
Pipe Size	1/16	1/8	1/4	3/8	1/2	3/4
Thread Size-B	1/16-27	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14

- **Typical Application**
Grease, refrigeration, instrumentation and hydraulic systems. Fuel, LP and natural gas available on special order.
- **Pressure**
Operating pressure up to 1200 psi.
- **Vibration**
Fair resistance.
- **Temperature Range**
-65°F to +250°F (-53°C to +121°C).
- **Material**
CA360 Brass.
- **Used With**
Brass, bronze and iron pipe.
- **Advantages**
Dryseal pipe threads (NPTF). Large range of sizes and configurations.
- **Conformance**
Listed by Underwriters Laboratories (available on special order) for fuel equipment, refrigeration and gas. Meets specifications and standards of ASA, ASME and SAE.
- **How to Order**
Order individually by catalog number. Example: 3325x4. To order with pipe sealant (Seal-A-Thread), add a "Z" suffix to the catalog number. (Special order only). Example: 3325x4Z.
- **NOTE**
Refer to current price list for availability of cataloged items. Quotations and delivery of non-stock items supplied on request. Configurations and dimensions subject to change without notice. Additional information can be found in SAE J530 Automotive Pipe Fittings and SAE J531 Drain Plugs.
- **Assembly Instructions**
 1. Tighten approximately 2-1/2 turns past hand tight.
 2. Fittings with Seal-A-Thread tighten two turns past hand tight. Brittle materials require special cautions.
- **Label Set:** **W-8022** (adhesive)
CL-490 (non-adhesive)

Cap



*PTF Short Thread



Fem. Pipe Thread	Catalog Number	Hex C	L
1/8"	3129x2	9/16	.50
1/4"	3129x4	11/16	.59
3/8"	3129x6	13/16	.68

Slotted Plug



*PTF Short Thread

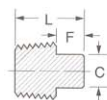


Male Pipe Thread	Catalog Number	E	L
1/8"	3150x2	.05	.28
1/4"	3150x4	.08	.42
3/8"	3150x6	.09	.43

Square Head Plug



*PTF Short Thread

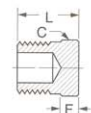


Male Pipe Thread	Catalog Number	Square C	F	L
1/8"	3151x2	.28	.24	.58
1/4"	3151x4	.37	.29	.74
3/8"	3151x6	.43	.32	.82
1/2"	3151x8	.56	.39	.99
3/4"	3151x12	.62	.43	1.12

Hex Head Plug

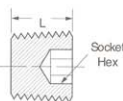


* PTF Short Thread
** PTF Special Short Thread



Male Pipe Thread	Catalog Number	Hex C	F	L
1/8"	3152x2	7/16	.19	.57
1/4"	3152x4	9/16	.18	.62
3/8"	3152x6	11/16	.22	.72
1/2"	3152x8	7/8	.22	.78
3/4**	3152x12	1-1/16	.25	.88

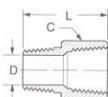
Hex Socket Plug



Male Pipe Thread	Catalog Number	Socket Hex	L
1/8	3153x2	3/16	.270
1/4	3153x4*	1/4	.410
3/8	3153x6*	5/16	.410
1/2	3153x8*	3/8	.540

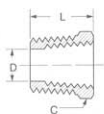
Adapter

(Ref. SAE No. 130139)



Fem. Pipe Thread	Male Pipe Thread	Catalog Number	Hex C	D	L
1/8	1/8	3200x2	9/16	.219	.88
1/4	1/8	3200x4x2	3/4	.219	1.06
1/4	1/4	3200x4	3/4	.312	1.25
3/8	1/4	3200x6x4	7/8	.312	1.25
3/8	3/8	3200x6	7/8	.438	1.25
1/2	3/8	3200x8x6	1-1/16	.438	1.47
3/4	3/8	3200x12x6	1-1/4	.438	1.59
3/4	1/2	3200x12x8	1-1/4	.562	1.69

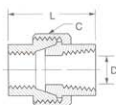
Bushing (Ref. SAE No. 130140)



*PTF Short Thread
**Optional Counterbore

Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Hex C	D	L
1/4*	1/8	3220x4x2	5/8	.339	.59
3/8	1/8	3220x6x2	11/16	.328	.75
3/8*	1/4	3220x6x4	11/16	.438	.69
1/2*	1/8	3220x8x2	7/8	.530**	.75
1/2*	1/4	3220x8x4	7/8	.438**	.75
1/2*	3/8	3220x8x6	7/8	.562	.75
3/4*	3/8	3220x12x6	1-1/8	.562	.88
3/4*	1/2	3220x12x8	1-1/8	.703	.88

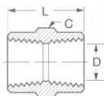
Union



*PTF Short Thread

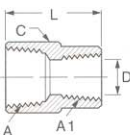
Fem. Pipe Thread	Catalog Number	Hex C	D	L
1/8*	3250x2*	7/8	.339	.97
1/4*	3250x4	1-1/16	.438	1.31
3/8	3250x6*	1-5/16	.560	1.66
1/2	3250x8	1-9/16	.703	1.81

Coupling (Ref. SAE No. 130138)



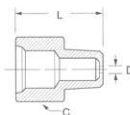
Fem. Pipe Thread	Catalog Number	Hex C	D	L
1/16	3300x1	7/16	.339	.75
1/8	3300x2	9/16	.339	.75
1/4	3300x4	3/4	.438	1.12
3/8	3300x6	7/8	.578	1.12
1/2	3300x8	1-1/16	.703	1.50
3/4	3300x12	1-1/4	.906	1.53

Reducer Coupling (Ref. SAE No. 130138)



Fem. Pipe Thread A	Fem. Pipe Thread A1	Catalog Number	Hex C	D	L
1/4	1/8	3300x4x2	3/4	.339	.96
3/8	1/8	3300x6x2	7/8	.339	.94
3/8	1/4	3300x6x4	7/8	.438	1.16
1/2	3/8	3300x8x6	1-1/16	.562	1.38

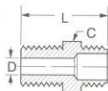
Restriction Pipe Adapter (With .0625 Orifice)



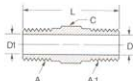
*PTF short thread.

Male Pipe Thread	Female Pipe Thread	Catalog Number	Hex C	D	L
1/8	1/8*	1512	1/2	.0625	.75

Fuel Line Adapter



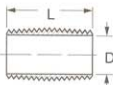
Inv. Tube Size	Male Pipe Thread	Catalog Number	Hex C	D	L
1/2-20	1/8	1514	1/2	.219	.90

Hex Nipple
(Ref. SAE No. 130137)

Male Pipe Thread A	Male Pipe Thread A1	Catalog Number	Hex C	D	D1	L
1/16	1/16	3325x1	3/8	.125	.125	.978
1/8	1/16	3325x2x1	7/16	.230	.156	.955
1/8	1/8	3325x2	7/16	.219	.219	.97
1/4	1/8	3325x4x2	9/16	.219	.219*	1.19
1/4	1/4	3325x4	9/16	.312	.312	1.38
3/8	1/8	3325x6x2	11/16	.219	.438	1.22
3/8	1/4	3325x6x4	11/16	.312	.438	1.41
3/8	3/8	3325x6	11/16	.438	.438	1.41
1/2	1/2	3325x8	7/8	.562	.562	1.81
3/4	3/4	3325x12	1-1/16	.750	.750	1.94

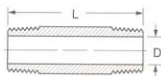
*Optional Counterbore .312

Close Nipple



Male Pipe Thread	Catalog Number	D	L
1/8	3326x2	.281	.75
1/4	3326x4	.375	.88
3/8	3326x6	.500	1.00
1/2	3326x8	.625	1.12
3/4	3326x12	.750	1.38

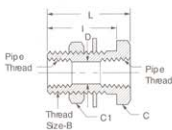
Long Nipple



Male Pipe Thread	Catalog Number	D	L
1/8	3327x2	.281	1.50
1/8	3328x2	.281	2.00
1/8	3329x2	.281	2.50
1/8	3330x2	.281	3.00
1/8	3331x2*	.281	3.50
1/4	3327x4	.375	1.50
1/4	3328x4	.375	2.00
1/4	3329x4	.375	2.50
1/4	3330x4	.375	3.00
3/8	3327x6	.480	1.50
3/8	3328x6	.480	2.00
3/8	3329x6	.480	2.50
3/8	3330x6	.480	3.00
3/8	3331x6*	.480	3.50
1/2	3328x8	.625	2.00
1/2	3329x8	.625	2.50
1/2	3330x8	.625	3.00
3/4	3328x12*	.750	2.00
3/4	3329x12	.750	2.50

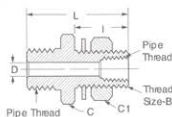
*MTO - Made To Order

Bulkhead Coupling (Brass)



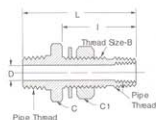
Fem. Pipe Thread	Catalog Thread	Thread Size B	Hex C	Hex C1	D	I	L
1/4	1344	3/4-16	1	15/16	.422	1.25	1.50
1/4	1345	3/4-16	1	15/16	.422	.69	.94
3/8	1346	1-14	1-1/8	1-3/8	.563	1.06	1.31
1/2	1351	1-1/8-14	1-1/4	1-3/8	.703	1.19	1.50

Bulkhead Coupling (Brass)



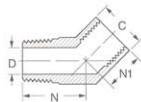
Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Thread Size B	Hex C	Hex C1	D	I	L
1/2	1/4	1340	3/4-16	1-1/4	15/16	.312	1.13	2.16
1/2	1/4	1341	3/4-16	1-1/4	15/16	.312	1.53	2.53

Bulkhead Coupling (Brass)



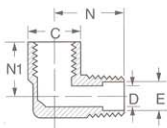
Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Thread Size B	Hex C	Hex C1	D	I	L
1/2	1/4	1342	1-14	1-1/4	1-3/8	.375	1.88	2.94
1/2	1/4	1343	1-14	1-1/4	1-3/8	.375	2.88	3.94

45° Street Elbow (Ref. SAE No. 130339)



Male Pipe Thread	Fem. Pipe Thread	Catalog Number	C	D	N	N1
1/8	1/8	3350x2	9/16	.219	.50	.38
1/4	1/4	3350x4	11/16	.312	.74	.56
3/8	3/8	3350x6	13/16	.438	.78	.56
1/2	1/2	3350x8	1	.562	1.00	.76
3/4	3/4	3350x12	1-1/4	.750	1.06	.75

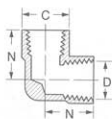
90° Street Elbow (Ref. SAE No. 130239)



Fem. Pipe Thread	Male Pipe Thread	Catalog Number	C	D	E	N	N1
1/8	1/8	3400x2	9/16	.219	.25	.66	.47
1/8*	1/8**	3400x2W	1/2	.188	.25	.57	.34
1/4	1/8	3400x4x2	11/16	.219	—	.72	.53
1/4*	1/4**	3400x4W	11/16	.266	.36	.78	.45
1/4	1/4	3400x4	11/16	.312	—	.91	.72
3/8	3/8	3400x6	13/16	.438	—	.97	.78
1/2	1/2	3400x8	1	.562	—	1.25	1.03
3/4	3/4	3400x12	1-1/4	.750	—	1.38	1.12

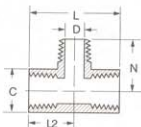
- * PTF Short Thread
- ** PTF Special Short Thread

90° Elbow
(Ref. SAE No. 130238)



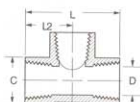
Fem. Pipe Thread	Catalog Number	C	D	N
1/8	3500x2	9/16	.339	.55
1/4	3500x4	11/16	.438	.78
3/8	3500x6	13/16	.562	.84
1/2	3500x8	1	.703	1.09
3/4	3500x12	1-1/4	.906	1.16

Male Branch Tee
(Ref. SAE No. 130425)



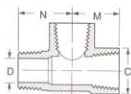
Fem. Pipe Thread	Male Pipe Thread	Catalog Number	C	D	L	L2	N
1/8	1/8	3600x2	9/16	.219	1.10	.55	.66
1/4	1/4	3600x4	11/16	.312	1.56	.78	.91
3/8	3/8	3600x6	13/16	.438	1.68	.84	.97
1/2	1/2	3600x8	1	.562	2.18	1.09	1.25
3/4	3/4	3600x12	1-1/4	.750	2.31	1.16	1.38

Tee
(Ref. SAE No. 130438)



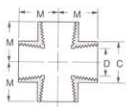
Fem. Pipe Thread	Catalog Number	C	D	L	L2
1/16	3700x1*	7/16	.141	.96	.48
1/8	3700x2	9/16	.339	1.10	.55
1/4	3700x4	11/16	.438	1.56	.78
3/8	3700x6	13/16	.562	1.68	.84
1/2	3700x8	1	.703	2.18	1.09
3/4	3700x12	1-1/4	.906	2.32	1.16

Male Run Tee
(Ref. SAE No. 130424)



Fem. Pipe Thread	Male Pipe Thread	Catalog Number	C	D	M	N
1/8	1/8	3750x2	9/16	.219	.55	.66
1/4	1/4	3750x4	11/16	.312	.78	.90
3/8	3/8	3750x6	13/16	.438	.84	.97
1/2	1/2	3750x8	1	.562	1.09	1.25
3/4	3/4	3750x12	1-1/4	.750	1.16	1.38

Cross



Fem. Pipe Thread	Catalog Number	C	D	M
1/8	3950x2	1/2	.339	.50
1/4	3950x4	11/16	.438	.75
3/8	3950x6	7/8	.562	.81
1/2	3950x8	1	.703	1.09
3/4	3950x12*	1-1/4	.906	1.16