I N D I C E

SECCION 1

DATOS TECNICOS

Todas nuestras piezas son fabricadas, bajo estrictas normas de calidad, en tornos de tipo paralelo y revolver con operarios de alto nivel que incluso llegan a los 20 años de experiencia en la fabricación de acoples, respondiendo a cualquier necesidad del cliente, incluyendo la fabricación de piezas que estén fuera de los estándares comunes de acoples

Figura 1 torno tipo paralelo

Figura 2 torno paralelo (torre y copa)

Figura 3 torno paralelo (control de velocidades)

Figura 4 torno revolver

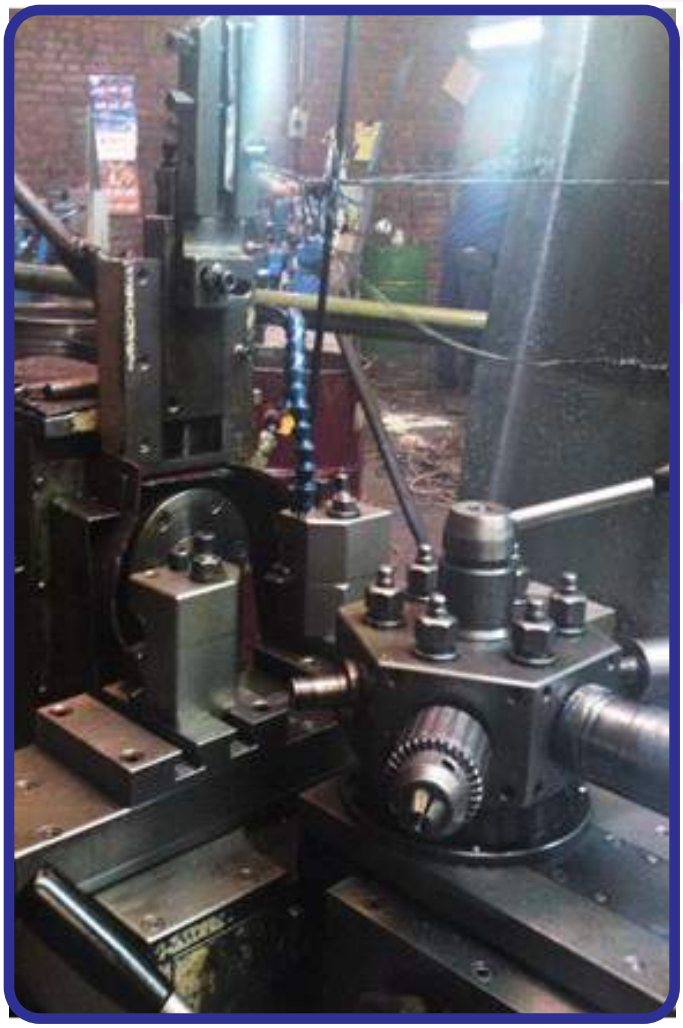


Figura 5 torno revolver (torre y copa)

Figura 6 torno revolver (control de velocidades)

Figura 7 segueta automática

Los materiales empleados para la elaboración de las piezas, están certificadas bajo la norma ASTM 029 la cual condiciona los valores máximos y mínimos para la composición química a nominal. En la siguiente tabla se muestra la composición química nominal requerida para acero de tipo 12L14 y tipo 1020:

12L14

elemento	%C	%Mn	%P	%S	%Pb
	0,15 max	0,85 - 1,15	0,04 - 0,09	0,26 - 0,35	0,15 - 0,35

1020

elemento	%C	%Mn	%P	%S
	0,18- 0,23	0,30- 0,60	0,040max	0,050max

Tabla 1. Intervalos de composición nominal permitida para el acero de tipo 1020 y 12L14

Los aceros de tipo 12L14 y 1020 tienen características propias las cuales se muestran a continuación:

Acero 1020

El acero 1020 es usado en aplicaciones estructurales tales como remaches con cabeza formada en frío, la maquinabilidad es buena, un 65% comparada con el acero al carbono 1112 que es la referencia de 100% de maquinabilidad y la comformabilidad es buena por todos los métodos convencionales; posee una buena ductilidad.

El acero 1020 puede ser endurecido por calentamiento a 1500 - 1600 F y luego enfriando en agua. Debe ser revenido. Se usa más frecuentemente endurecido por carburización. Generalmente no se practican tratamientos térmicos a un acero de bajo carbono por los bajos resultados obtenidos en las propiedades mecánicas, se trabaja en caliente en el rango de 900 a 1200 F.

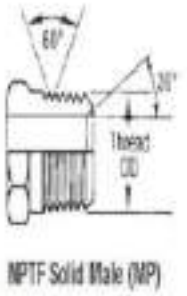
El acero SAE 1020 sin ningún tratamiento térmico tiene una resistencia a la tensión de 4200Kg/cms² y una límite de fluencia (límite elástico) de 3585 Kg/cms².

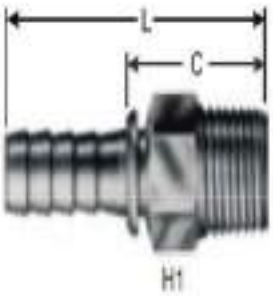
Acero 12L14

Es un acero desulfurado y desfosforado, producido en horno eléctrico y adicionado con plomo, este elemento proporciona lubricación entre la herramienta y rebaba permitiendo altas velocidades de corte sin perder el filo de la misma.

El acero 12L14 tiene una resistencia a la tensión de 5340Kg/cm2 y un límite de fluencia de 4920 Kg/cm2 eL certificado junto a una prueba de dureza obtenida con el ensayo de dureza de rockwell:

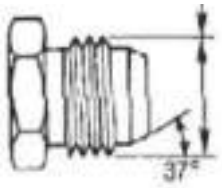
Macho SAE 100 R2 (NPT)

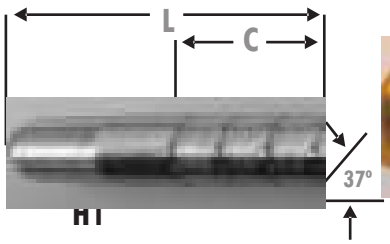




D (")	NPT (")	rosca(hil/pulg)	H (")	L (")	C (")
3/16.	1/8.	27	1/2.	2.03	0.94
3/16.	1/4.	18	9/16.	2.22	1.13
1/4.	1/8.	27	1/2.	2.03	0.94
1/4.	1/4.	18	9/16.	2.22	1.13
1/4.	1/4.	18	11/16.	2.61	1.52
1/4.	3/8.	18	11/16.	2.61	1.52
1/4.	1/2.	14	7/8.	2.22	1.13
5/16.	1/4.	18	5/8.	2.48	1.39
3/8.	1/4.	18	5/8.	2.19	1.18
3/8.	3/8.	18	11/16.	2.22	1.2
3/8.	1/2.	14	7/8.	2.22	1.2
1/2.	3/8.	18	13/16	2.41	1.39
1/2.	1/2.	14	7/8.	2.7	1.26
1/2.	3/4.	14	1 1/16.	2.89	1.45
5/8.	1/2.	14	7/8.	2.94	1.5
3/4.	1/2.	14	1 1/16.	2.92	1.49
3/4.	3/4.	14	1 1/16.	3.21	1.5
3/4.	1 .	11 1/2.	1 3/8.	2.52	1.81
7/8.	1 .	11 1/2.	1 3/8.	3.06	1.81
1 .	3/4.	14	1 3/8.	3.43	1.72
1 .	1 .	11 1/2.	1 3/8.	3.62	1.91
1 1/4.	1 1/4.	11 1/2.	1 3/4.	4.45	2.15
1 1/2.	1 1/2.	11 1/2.	2 .	4.83	2.19
2 .	2 .	11 1/2.	2 1/2.	5.86	2.33

Macho SAE 100 R2 (JIC)

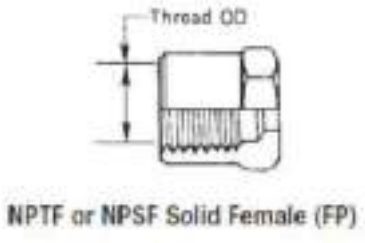




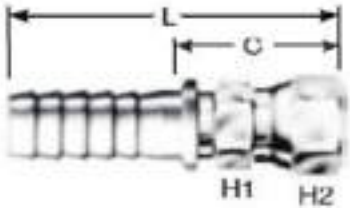
JIC 37° MALE (MJ)

D (")	JIC (")	rosca(hil/pulg)	H (")	L (")	C (")
3/16.	7/16.	20	1/2.	2.09	1
1/4.	7/16.	20	1/2.	2.22	1.13
1/4.	1/2.	20	1/2.	2.22	1.13
1/4.	9/16.	18	9/16.	2.22	1.13
5/16.	9/16.	18	5/8.	2.17	1.14
3/8.	9/16.	18	5/8.	2.16	1.14
3/8.	3/4.	16	3/4.	2.32	1.3
3/8.	7/8.	14	7/8.	2.41	1.39
1/2.	3/4.	16	13/16.	2.8	1.36
1/2.	7/8.	14	7/8.	2.91	1.47
1/2.	1 1/16.	12	1 1/16.	3.18	1.74
5/8.	3/4.	16	7/8.	2.92	1.49
5/8.	7/8.	14	7/8.	3.02	1.59
5/8.	1 1/16.	12	1 1/16.	3.19	1.75
3/4.	1 1/16.	12	1 1/16.	3.41	1.7
3/4.	1 3/16.	12	1 1/4.	3.48	1.77
3/4.	1 5/16.	12	1 5/16.	3.5	1.79
1 .	1 5/16.	12	1 3/8.	3.6	1.89
1 .	1 5/8.	12	1 5/8.	3.71	2
1 1/4.	1 5/8.	12	1 3/4.	4.43	2.13
1 ½.	1 7/8.	12	2 .	4.91	2.27
2.	2 1/2.	12	2 ½.	6.16	2.63

Hembra SAE 100 R2 (NPS)



NPTF or NPSF Solid Female (FP)

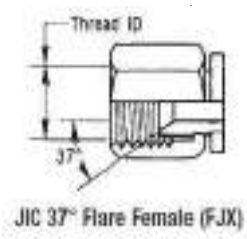


D (")	NPS (")	rosca(hil/pulg)	H1(")	H2(")	L (")	C (")
1/4.	1/4.	18	1/2.	11/16.	2.33	1.24
3/8.	3/8.	18	5/8.	7/8.	2.3	1.28
1/2.	1/2.	14	13/16.	1 .	2.88	1.44
3/4.	3/4.	14	1 1/16.	1 1/4.	3.46	1.75
1 .	1 .	11 1/2.	1 3/8.	1 1/2.	3.61	1.9
1 1/4.	1 1/4.	11 1/2.	1 5/8.	2 .	3.94	1.88
1 1/2.	1 1/2.	11 1/2.	2 .	2 1/4.	4.05	1.97
2 .	2 .	11 1/2.	2 1/2.	2 3/4.	5.69	2.56

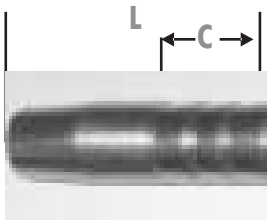
FITTINGS

FITTINGS

Hembra SAE 100 R2 (JIC)



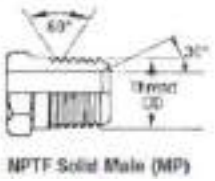
JIC 37° Flare Female (FJX)



H2

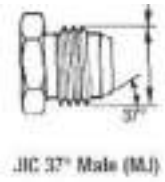
D (")	JIC (")	rosca(hil/pulg)	H1(")	H2(")	L (")	C (")
3/16.	7/16.	20	1/2.	9/16.	1,91	0.74
1/4.	7/16.	20	1/2.	9/16.	2.04	0.74
1/4.	1/2.	20	1/2.	11/16.	2.04	0.74
1/4.	9/16.	18	9/16.	3/4.	2.06	0.79
5/16.	1/2.	20	5/8.	11/16.	2.12	0.74
5/16.	9/16.	18	5/8.	3/4.	2.18	0.81
3/8.	9/16.	18	5/8.	3/4.	2.25	0.81
3/8.	3/4.	16	11/16.	7/8.	2.38	0.98
3/8.	7/8.	14	13/16.	1 1/16.	2.45	0.98
1/2.	9/16.	18	13/16.	3/4.	2.38	0.81
1/2.	3/4.	16	13/16.	7/8.	2.56	0.98
1/2.	7/8.	14	13/16.	1 1/16.	2.56	0.98
1/2.	1 1/16.	12	1.	1 1/4.	2.69	1.12
5/8.	3/4.	16	7/8.	7/8.	2.58	0.94
5/8.	7/8.	14	7/8.	1 1/16.	2.63	1
5/8.	1 1/16.	12	1 .	1 1/4.	2.75	1.08
5/8.	1 3/16.	12	1 1/8.	1 3/8.	2.83	1.13
3/4.	3/4.	16	1 1/16.	1 1/16.	2.83	1.02
3/4.	1 1/16.	12	1 1/16.	1 1/4.	2.87	1.08
3/4.	1 3/16.	12	1 1/8.	1 3/8.	2.93	1.1
3/4.	1 5/16.	12	1 1/4.	1 1/2.	3.02	1.25
1 .	1 1/16.	12	1 3/8.	1 3/8.	3.25	1.15
1 .	1 3/16.	12	1 3/8.	1 3/8.	3.32	1.19
1 .	1 5/16.	12	1 3/8.	1 1/2.	3.32	1.25
1 .	1 5/8	12	1 9/16	2	3.65	1.48
1 1/4	1 5/8.	12	1 3/4.	2	3.93	1.48
1 1/2.	1 7/8.	12	2	2 1/4	4.18	1.54
2 .	2 ½.	12	2 ½.	2 ½.	5.5	2.07

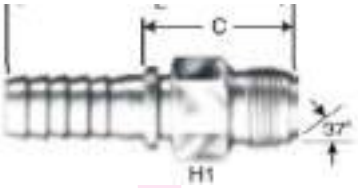
Macho SAE 100 R9 (NPT)



D (")	NPT (")	rosca(hil/pulg)	H (")	L (")	C (")
1/4.	1/4.	18	9/16.	2,44	1,12
3/8.	3/8.	18	11/16.	2,59	1,22
1/2.	1/2.	14	7/8.	2,93	1,3
5/8.	1/2.	14	7/8.	3,13	1,47
3/4.	3/4.	14	1 1/16.	3,38	1,51
1 .	1 .	11 1/2.	1 3/8.	3,94	1,73
1 1/4.	1 1/4.	11 1/2.	1 3/4.	4,51	2
1 1/2.	1 1/2.	11 1/2.	2 .	4,84	2,13
2 .	2 .	11 1/2.	2 1/2.	5,87	2,38

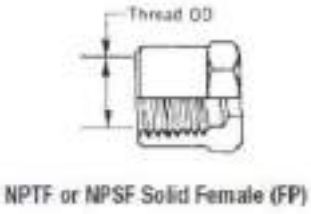
Macho SAE 100 R9 (JIC)



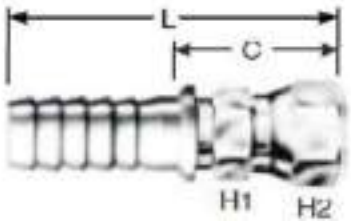


D (")	JIC (")	rosca(hil/pulg)	H (")	L (")	C (")
3/8.	9/16.	18	5/8.	2,62	1,19
3/8.	3/4.	16	3/4.	2,74	1,33
1/2.	3/4.	16	3/4.	2,91	1,33
1/2.	7/8.	14	1 1/16.	2,91	1,38
1/2.	1 1/16.	12	1 1/4.	3,12	1,51
5/8.	7/8.	14	1 1/16.	3,18	1,42
5/8.	1 1/16.	12	1 1/4.	3,18	1,51
3/4.	1 1/16.	12	1 1/4.	3,49	1,63
3/4.	1 3/16.	12	1 3/8.	3,56	1,69
3/4.	1 5/16.	12	1 1/2.	3,63	1,75
1 .	1 5/16.	12	1 1/2.	4,02	1,78
1 1/4.	1 5/8.	12	1 3/4..	4,75	2,19

Hembra SAE 100 R9 (NPS)

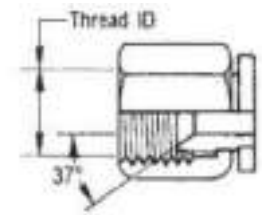


NPTF or NPSF Solid Female (FP)

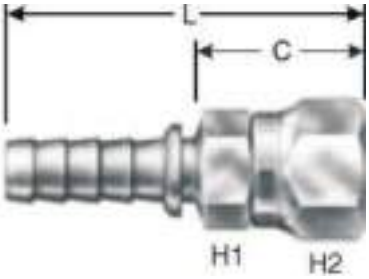


D (")	NPS (")	rosca(hil/pulg)	H1(")	H2(")	L (")	C (")
3/8.	3/8.	18	5/8.	7/8.	2.56	1.28
1/2.	1/2.	14	13/16.	1 .	2.88	1.44
5/8.	3/4.	14	13/16.	1 1/4.	3.07	1.75
3/4.	3/4.	14	1 1/16.	1 1/4.	3.13	1.75
1 .	1 .	11 1/2.	1 3/8.	1 1/2.	3.86	1.9
1 1/4.	1 1/4.	11 1/2.	1 5/8.	2 .	4.44	1.88
1 1/2.	1 1/2.	11 1/2.	2 .	2 1/4.	4.75	1.97
2 .	2 .	11 1/2.	2 1/2.	2 3/4.	5.92	2.56

Hembra SAE 100 R9 (JIC)

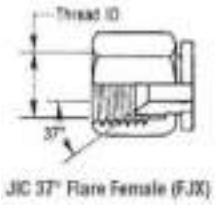


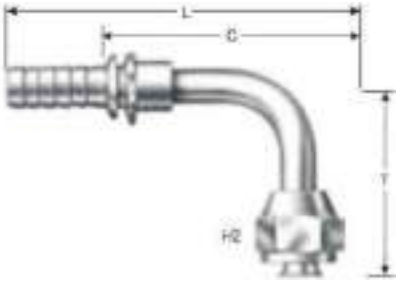
JIC 37° Flare Female (FJX)



D (")	JIC (")	rosca(hil/pulg)	H1(")	H2(")	L (")	C (")
1/4	7/16.	20	1/2.	9/16.	2.13	0.72
1/4	9/16.	18	9/16.	3/4.	2.37	0.81
3/8	9/16.	18	9/16.	3/4.	2.51	0.81
3/8.	3/4.	16	11/16.	15/16.	2.64	0.94
3/8.	7/8.	14	13/16.	1 1/16.	2.66	0.94
1/2.	9/16.	18	13/16.	3/4.	2.73	0.87
1/2.	3/4.	16	13/16.	7/8.	2.82	0.95
1/2.	7/8.	14	13/16.	1 1/16.	2.87	1
1/2.	1 1/16.	12	1 .	1 1/4.	3.05	1.13
5/8.	7/8.	14	7/8.	1 1/16.	3	1
5/8.	1 1/16.	12	1 .	1 1/4.	3.13	1.13
3/4.	7/8.	14	1 1/16.	1 1/16.	3.19	1
3/4.	1 1/16.	12	1 1/16.	1 1/4.	3.38	1.13
3/4.	1 3/16.	12	1 1/8.	1 3/8.	3.38	1.18
3/4.	1 5/16.	12	1 1/4.	1 1/2.	3.44	1.18
1.	1 1/16.	12	1 3/8.	1 1/4.	3.83	1.15
1.	1 3/16.	12	1 3/8.	1 3/8.	3.83	1.18
1.	1 5/16.	12	1 3/8.	1 1/2.	3.85	1.25
1 .	1 5/8.	12	1 9/16.	2 .	4.13	1.46
1 1/4.	1 5/8.	12	1 3/4.	2 .	4.45	1.46
1 1/2.	1 7/8.	12	2 .	2 1/4.	4.75	1.76
2 .	2 1/2.	12	2 1/2.	2 1/2.	6.07	2.06

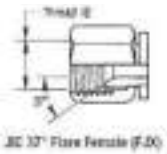
Hembra SAE 100 R2 (NPS) 90°

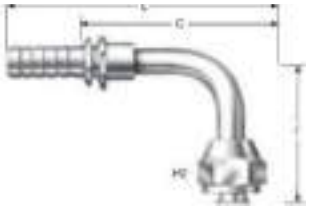




D(")	NPS(")	rosca(hil/pulg)	H2(")	L (")	C (")	T (")
1/4.	1/8.	27	1/2.	2.44	1.38	1.14
1/4.	1/4.	18	11/16.	2.56	1.5	1.33
1/4.	3/8.	18	7/8.	2.56	1.5	1.37
3/8.	3/8.	18	7/8.	3	1.82	1.53
3/8.	1/2.	14	1 .	3.12	1.94	1.68
1/2.	1/2.	14	1 .	3.5	2.2	1.91
3/4.	3/4.	14	1 1/4.	4.54	3.03	2.31
1 .	1 .	11 1/2	1 1/2.	4.88	3.42	2.72
1 1/4.	1 1/4.	11 1/2	2 .	6.33	4.5	3.07
1 1/2.	1 1/2.	11 1/2	2 1/4.	6.85	5.11	3.54

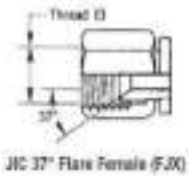
Hembra SAE 100 R2 (JIC) 90°

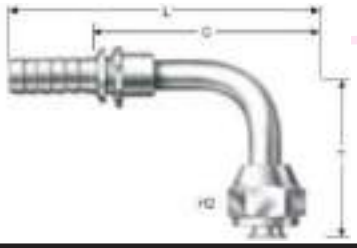




D(")	JIC(")	rosca(hil/pulg)	H2(")	L (")	C (")	T (")
3/16.	7/16.	20	9/16.	2.5	1.43	1.26
1/4.	7/16.	20	9/16.	2.55	1.5	1.26
1/4.	9/16.	18	3/4.	2.58	1.56	1.32
5/16.	7/16.	18	3/4.	2.59	1.61	1.32
5/16.	9/16.	20	9/16.	2.62	1.63	1.39
3/8.	9/16.	18	3/4.	2.95	1.75	1.45
3/8.	3/4.	16	7/8.	3.03	1.93	1.57
3/8.	7/8.	14	1 1/16.	3.03	1.93	1.73
1/2.	3/4.	16	7/8.	3.48	2.21	1.75
1/2.	7/8.	14	1 1/16.	3.5	2.23	1.77
1/2.	1 1/16.	12	1 1/4.	3.66	2.32	2
5/8.	7/8.	14	1 1/16.	3.72	2.56	2.15
5/8.	1 1/16.	12	1 1/4.	3.87	2.65	2.2
3/4.	1 1/16.	12	1 1/4.	4.19	2.89	2.25
3/4.	1 5/16.	12	1 1/2.	4.43	2.95	2.5
1 .	1 5/16.	12	1 1/2.	5.24	3.5	2.62
1 1/4.	1 5/8.	12	2 .	6.31	4.44	3.25
1 1/2.	1 7/8.	12	2 1/4.	6.68	4.74	3.44

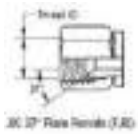
Hembra SAE 100 R9 (NPS)90°

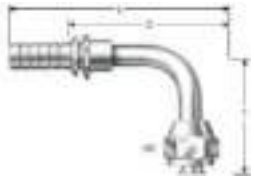




D(")	NPS (")	rosca(hil/pulg)	H1(")	L (")	C (")	T (")
3/8.	3/8.	18	7/8.	3.16	1.82	1.53
1/2.	1/2.	14	1 .	3.68	2.2	1.91
3/4.	3/4.	14	1 1/4.	4.78	3.03	2.31
1 .	1 .	11 1/2	1 1/2.	5.14	3.42	2.72
1 1/4.	1 1/4.	11 1/2	2 .	6.67	4.5	3.07
1 1/2.	1 1/2.	11 1/2	2 1/2.	7.33	5.11	3.54

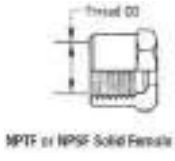
Hembra SAE 100 R9 (JIC) 90°





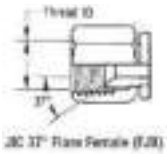
D (")	JIC (")	rosca(hil/pulg)	H2(")	H2(")	L (")
1/4.	7/16.	20	9/16.	2.68	1.5	1.26
1/4.	9/16.	18	3/4.	2.71	1.56	1.32
3/8.	9/16.	18	3/4.	3.1	1.75	1.45
3/8.	3/4.	16	7/8.	3.18	1.93	1.57
3/8.	7/8.	14	1 1/16.	3.18	1.93	1.73
1/2.	3/4.	16	7/8.	3.65	2.21	1.75
1/2.	7/8.	14	1 1/16.	3.68	2.23	1.77
1/2.	1 1/16.	12	1 1/4.	3.84	2.32	2
5/8.	7/8.	14	1 1/16.	3.91	2.56	2.15
5/8.	1 1/16.	12	1 1/4.	4.06	2.65	2.2
3/4.	7/8.	14	1 1/16.	4.17	2.56	2.15
3/4.	1 1/16.	12	1 1/4.	4.4	2.89	2.25
3/4.	1 3/16.	12	1 3/8.	4.67	2.92	2.5
3/4.	1 5/16.	12	1 1/2.	4.71	2.95	2.5
1 .	1 5/16.	12	1 1/2.	5.55	3.5	2.62
1 1/4.	1 5/8.	12	2 .	6.69	4.44	3.25
1 1/2.	1 7/8.	12	2 1/4.	7.21	4.74	3.44

Hembra SAE 100 R2 (NPS) 45°



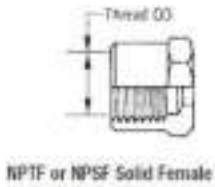
D (")	NPS (")	rosca(hil/pulg)	H2(")	L(")	C (")	T (")
1/4.	1/4.	18	11/16.	2.56	1.56	0.6
3/8.	3/8.	18	7/8.	2.97	1.8	0.83
1/2.	1/2.	14	1 .	3.44	2.13	0.9
3/4.	3/4.	14	1 1/4.	4.12	2.69	1.06
1 .	1 .	11 1/2	1 1/2.	5	3.19	1.25
1 1/4.	1 1/4.	11 1/2	2 .	6.05	4	1.68
1 1/2.	1 1/2.	11 1/2	2 1/4.	6.75	4.38	1.83

Hembra SAE 100 R2 (JIC) 45°



D(")	JIC(")	rosca(hil/pulg)	H2(")	L (")	C (")	T (")
3/16.	7/16.	20	9/16.	2.5	1.5	0.55
1/4.	1/2.	20	9/16.	2.68	1.68	0.5
1/4.	7/16.	20	9/16.	2.68	1.68	0.55
1/4.	9/16.	18	3/4.	2.61	1.56	0.63
3/8.	9/16.	18	3/4.	2.97	1.75	0.63
3/8.	3/4.	16	7/8.	3.02	1.84	0.81
3/8.	7/8.	14	1 1/16.	3.02	1.84	0.86
1/2.	3/4.	16	7/8.	3.2	1.93	0.81
1/2.	7/8.	14	1 1/16.	3.2	1.93	0.86
1/2.	11/16.	12	1 1/4.	3.56	2.32	1.07
5/8.	7/8.	14	1 1/16.	3.81	2.56	0.86
5/8.	1 1/16.	12	1 1/4.	4.13	2.84	1.07
3/4.	7/8.	14	1 1/4.	4.18	2.69	0.86
3/4.	1 1/16.	12	1 1/4.	4.18	2.75	1.07
3/4.	1 5/16.	12	1 1/2.	4.25	2.86	1.24
1 .	1 5/16.	12	1 1/2.	5.06	3.55	1.24
1 1/4.	1 5/8.	12	2 .	6.07	4.12	1.71
1 1/2.	1 7/8.	12	2 1/4.	7.25	4.74	3.44

Hembra SAE 100 R9 (NPS) 4

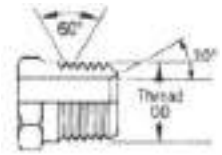


D(")	NPS (")	rosca(hil/pulg)	H1(")	L (")	C (")	T (")
3/8.	3/8.	18	7/8.	3.15	1.8	0.83
1/2.	1/2.	14	1 .	3.75	2.13	0.9
3/4.	3/4.	14	1 1/4.	4.62	2.69	1.06
1 .	1 .	11 1/2	1 1/2.	5.45	3.19	1.25
1 1/4.	1 1/4.	11 1/2	2 .	6.47	4	1.68
1 1/2.	1 1/2.	11 1/2	2 1/4.	7.22	4.38	1.83

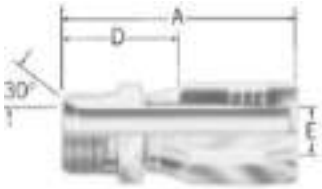
Hembra SAE 100 R9 (JIC) 45°

D(")	JIC(")	rosca(hil/pulg)	H2(")	L (")	C (")	T (")
3/8.	9/16.	18	3/4.	3.18	1.75	0.63
3/8.	3/4.	16	7/8.	3.18	1.84	0.81
1/2.	3/4.	16	7/8.	3.84	1.93	0.81
1/2.	7/8.	14	1 1/16.	3.68	1.93	0.86
1/2.	1 1/16.	12	1 1/4.	3.84	2.32	1.07
5/8.	3/4.	16	1 1/16.	4.25	2.57	0.81
5/8.	7/8.	14	1 1/16.	4.13	2.56	0.86
5/8.	1 1/16.	12	1 1/4.	4.2	2.84	1.07
3/4.	7/8.	14	1 1/4.	4.63	2.69	0.86
3/4.	1 1/16.	12	1 1/4.	4.68	2.75	1.07
3/4.	1 3/16.	12	1 3/8.	4.68	2.75	1.15
3/4.	1 5/16.	12	1 1/2.	4.72	2.86	1.24
1 .	1 5/16.	12	1 ½.	5.62	3.55	1.24
1 1/4.	1 5/8.	12	2 .	6.91	4.12	1.71
1 1/2.	1 7/8.	12	2 1/4.	7.76	4.74	3.44

Macho SAE 100 R5 (NPT)

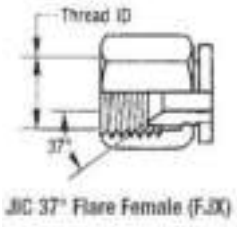


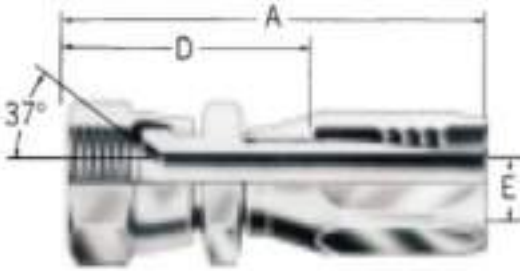
NPTF Solid Male (MP)



E(")	NPT (")rosca(hil/pulg)		A(")	D (")
3/16.	1/8.	27	1.91	0.92
3/16.	1/4.	18	2.01	1.06
1/4.	1/8.	27	2.02	1
1/4.	1/4.	18	2.11	1.08
5/16.	1/8.	27	2.19	1.03
5/16.	1/4.	18	2.24	1.1
5/16.	3/8.	18	2.31	1.16
5/16.	1/2.	14	2.41	1.31
13/32.	1/4.	18	2.48	1.18
13/32.	3/8.	18	2.54	1.25
13/32.	1/2.	14	2.6	1.32
1/2.	3/8.	18	2.77	1.25
5/8.	1/2.	14	2.82	1.37
5/8.	3/4.	14	3.32	1.5
7/8.	3/4.	14	2.88	1.38
7/8.	1 .	11 1/2	3	1.54
1 1/8.	1 1/4.	11 1/2	3.32	1.75
1 3/8.	1 ½.	11 1/2	3.68	1.94
1 13/16.	2 .	11 1/2	4.1	2.18

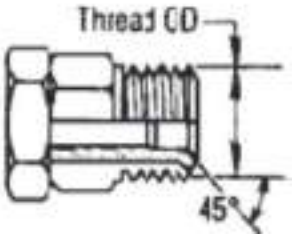
Hembra SAE 100 R5 (JIC)

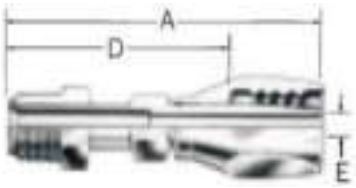




E(")	JIC(")	rosca(hil/pulg)	A(")	D (")
3/16.	7/16.	20	2	1.05
3/16.	1/2.	20	2	1.12
3/16.	9/16.	18	2.09	1.19
1/4.	7/16.	20	2.09	1.09
1/4.	1/2.	20	2.09	1.15
1/4.	9/16.	18	2.18	1.19
5/16.	1/2.	20	2.3	1.25
5/16.	9/16.	18	2.35	1.26
5/16.	3/4.	16	2.18	1.07
13/32.	9/16.	18	2.55	1.3
13/32.	3/4.	16	2.69	1.46
13/32.	7/8.	14	2.75	1.51
1/2.	3/4.	16	2.91	1.47
1/2.	7/8.	14	2.98	1.57
5/8.	7/8.	14	3.39	1.57
5/8.	1 1/16.	12	3.56	1.75
7/8.	1 1/16.	12	3.06	1.67
7/8.	1 5/16.	12	2.78	1.27
1 1/8.	1 5/8.	12	3.04	1.48
1 3/8.	1 7/8.	12	3.25	1.5
1 13/16.	2 1/2.	12	3.85	2

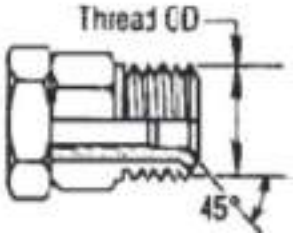
Macho loco SAE 100 R5





E(")	B21 (")	rosca(hil/pulg)	A(")	D (")
3/16.	3/16.	24	2.5	1.6
3/16.	1/4.	24	2.67	1.75
1/4.	3/16.	24	2.61	1.65
1/4.	1/4.	24	2.81	1.8
1/4.	5/16.	20	2.83	1.87
5/16.	1/4.	24	2.81	1.78
5/16.	5/16.	20	3.05	1.97
5/16.	3/8.	18	3.29	2.19
5/16.	7/16.	16	3.25	2.13
13/32.	7/16.	16	3.34	2.19
13/32.	1/2.	14	3.55	2.26

Macho loco SAE 100 R5 90°

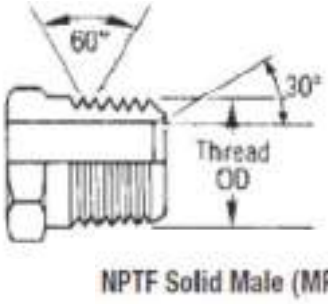


E (")	B21 (")	rosca(hil/pulg)	A(")	D(")	H(")
3/16.	3/16.	24	2.3	1.47	1.12
3/16.	1/4.	24	2.31	1.5	1.15
1/4.	1/4.	24	2.69	1.6	1.19
1/4.	5/16.	24	2.56	1.43	1.42
5/16.	3/8.	18	2.77	1.61	1.46
5/16.	7/16.	16	3.13	1.93	1.69
13/32.	3/8.	18	3.37	2.13	1.69
13/32.	7/16.	16	3.27	2.03	1.82
13/32.	1/2.	14	3.38	2.13	2.06

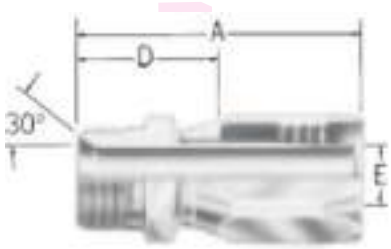
Macho loco SAE 100 R5 90°

E (")	B21 (")	rosca(hil/pulg)	A(")	D(")	H(")
3/16.	3/16.	24	3.04	2.13	0.77
1/4.	1/4.	24	3.22	2.2	0.82
5/16.	5/16.	18	3.69	2.56	0.92
5/16.	3/8.	16	3.73	2.63	0.96

Macho SAE 100 R2 Ru (NPT)

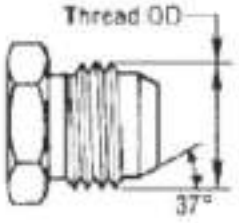


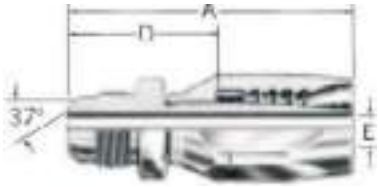
NPTF Solid Male (MP)



E (")	NPT (")	rosca(hil/pulg)	A(")	D(")
1/4.	1/8.	27	2.24	1.01
1/4.	1/4.	18	2.32	1.14
3/8.	1/4.	18	2.51	1.19
3/8.	3/8.	18	2.56	1.31
3/8.	1/2.	14	2.75	1.44
1/2.	3/8.	18	2.83	1.32
1/2.	1/2.	14	3.01	1.52
5/8.	3/4.	14	3.5	1.66
3/4.	3/4.	14	3.11	1.69
1 .	1 .	11 1/2	3.59	1.92
1 1/4.	1 1/4.	11 1/2	4.98	2.82

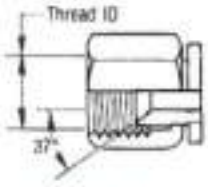
Macho SAE 100 R2 Ru (JIC)



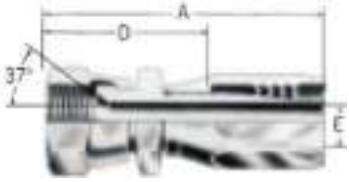


E (")	JIC (")	rosca(hil/pulg)	A(")	D (")
1/4.	7/16.	20	2.16	1.08
3/8.	1/2.	20	2.63	1.27
3/8.	9/16.	18	2.65	1.32
13/32.	3/4.	16	2.73	1.44
1/2.	3/4.	16	3	1.51
1/2.	7/8.	14	2.93	1.44

Hembra SAE 100 R2 Ru (JIC)

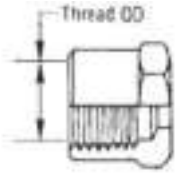


JIC 37° Flare Female (FJX)

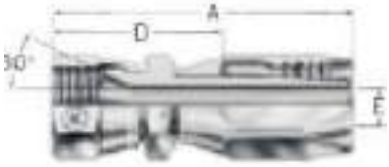


E (")	JIC (")	rosca(hil/pulg)	A(")	D (")
1/4.	7/16.	20	2.31	1.18
1/4.	1/2.	20	2.34	1.25
1/4.	9/16.	18	2.41	1.32
3/8.	7/16.	20	2.56	1.24
3/8.	9/16.	18	2.63	1.3
3/8.	3/4.	16	2.69	1.43
3/8.	7/8.	14	2.85	1.54
1/2.	3/4.	16	3.09	1.6
1/2.	7/8.	14	3.05	1.62
5/8.	1 1/16.	12	3.57	1.77
3/4.	1 1/16.	12	3.27	1.83
1 .	1 5/16.	12	3.87	2.13
1 1/4.	1 5/8.	12	5.19	2.92
1 1/2.	1 7/8.	12	5.19	3.01

Hembra SAE 100 R2 Ru (NPS)

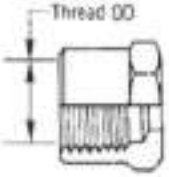


NPTF or NPSF Solid Female (FP)

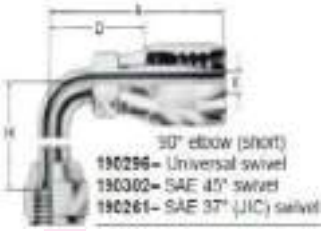


E (")	NPS (")	rosca(hil/pulg)	A(")	D(")
1/4.	1/4.	18	2.37	1.26
3/8.	1/4.	18	2.68	1.38
3/8.	3/8.	18	2.7	1.41
1/2.	1/2.	14	3.1	1.63
3/4.	3/4.	14	3.27	1.88
1	. 1	. 11 1/2	3.82	2.13

Hembra SAE 100R2Ru90(NPS)

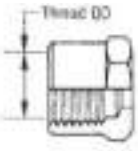


NPTF or NPSF Solid Female (FP)

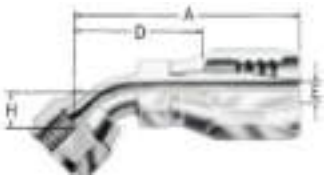


E (")	NPS (")	rosca(hil/pulg)	A(")	D(")	H(")
1/4.	1/4.	18	2.51	1.51	1.18
3/8.	3/8.	18	2.94	1.66	1.5
1/2.	1/2.	14	3.59	2.14	1.82

Hembra SAE 100R2Ru 45°(NPS)

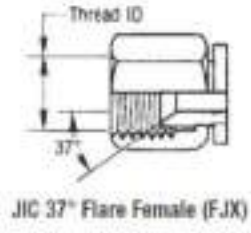


NPTF or NPSF Solid Female (FP)

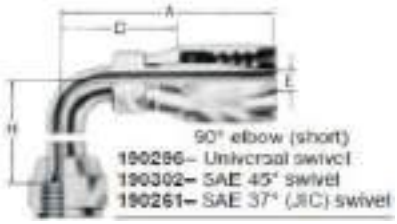


E (")	NPS (")	rosca(hil/pulg)	A(")	D(")	H(")
1/4.	1/4.	18	2.98	2.03	0.63
3/8.	3/8.	18	3.63	2.32	0.77

Hembra SAE 100 R2 Ru (JIC) 90°

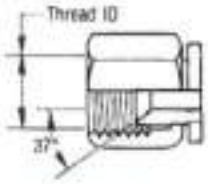


JIC 37° Flare Female (FJX)

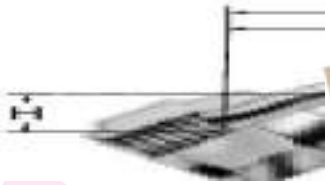


E (")	JIC (")	rosca(hil/pulg)	A(")	D(")	H(")
1/4.	7/16.	20	2.63	1.55	1.15
1/4.	1/2.	20	2.67	1.58	1.25
1/4.	9/16.	18	2.78	1.93	1.47
3/8.	9/16.	18	3.21	1.93	1.55
3/8.	3/4.	16	3.62	2.13	1.69
1/2.	3/4.	16	3.57	2.11	2.06
3/4.	1 1/16.	12	4.39	3.03	2.7

Hembra SAE 100 R2 (JIC) Ru 45°

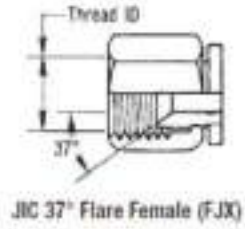


JIC 37° Flare Female (FJX)

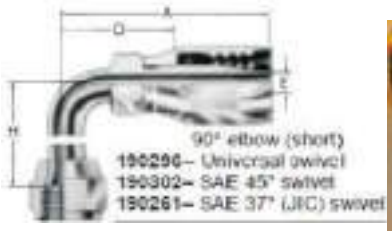


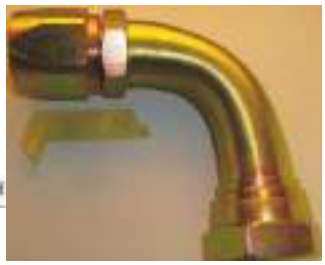
E (")	JIC (")	rosca(hil/pulg)	A(")	D(")	H(")
3/8.	9/16.	18	3.46	2.25	0.83
3/8.	3/4.	16	3.82	2.63	1.19
1/2.	3/4.	16	4	2.63	1.24
5/8.	1 1/16.	12	4.75	3.1	1.32
3/4.	1 1/16.	12	4.61	3.43	1.43

Hembra SAE 100 R5 (JIC) 90°



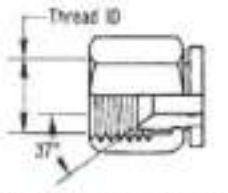
JIC 37° Flare Female (FJX)



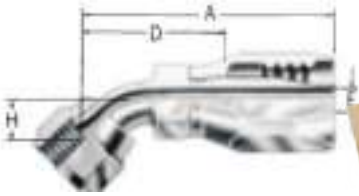


E (")	JIC (")	rosca(hil/pulg)	A(")	D(")	H(")
3/16.	7/16.	20	2.27	1.41	1.25
1/4.	7/16.	20	2.35	1.37	1.34
1/4.	1/2.	20	2.41	1.42	1.34
1/4.	9/16.	18	2.5	1.5	1.37
5/16.	9/16.	18	2.82	1.77	1.5
5/16.	3/4.	16	2.87	1.72	1.63
13/32.	3/4.	16	3.51	2.12	1.95
13/32.	7/8.	14	3.51	2.12	2.01
1/2.	3/4.	16	3.45	2.03	2.01
1/2.	7/8.	14	3.62	2.23	1.94
5/8.	1 1/16.	12	4.23	2.92	2.63
7/8.	1 5/16.	12	4.7	3.39	3.12
1 1/8.	1 5/8.	12	5.25	3.81	4.18
1 1/8.	1 7/8.	12	5.32	3.97	3.89

Hembra SAE 100 R5 (JIC) 45°



JIC 37° Flare Female (FJX)



E (")	JIC (")	rosca(hil/pulg)	A(")	D(")	H(")
3/16.	7/16.	20	2.62	1.85	0.63
1/4.	1/2.	20	2.73	1.75	0.69
1/4.	9/16.	18	2.8	1.82	0.71
5/16.	3/4.	16	3.25	2.18	0.81
13/32.	3/4.	16	3.56	2.31	1.27
1/2.	3/4.	16	3.87	2.59	1.27
1/2.	7/8.	14	3.87	2.59	1.27
7/8.	1 5/16.	12	4.55	3.19	1.81
1 1/8.	1 5/8.	12	5.75	4.18	2.16

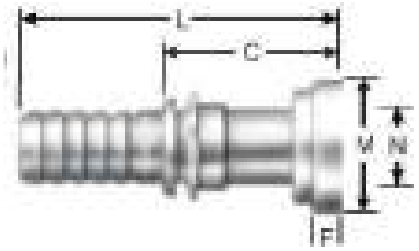
Capsula SAE 100 R2

DIAMETRO	L(")
3/16.	1.06
1/4.	1.13
5/16.	1.18
3/8.	1.3
1/2.	1.38
5/8.	1.45
3/4.	1.66
1 .	1.96
1 1/4.	2.23
1 1/2.	2.46
2 .	3.14

Capsula SAE 100 R9

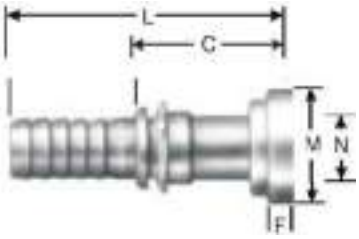
DIAMETRO	L(")
1/4.	1.26
3/8.	1.5
1/2.	1.66
5/8.	1.81
3/4.	2.08
1 .	2.49
1 1/4.	2.89
1 1/2.	3.08
2	3.91

Flanches SAE 100 R2



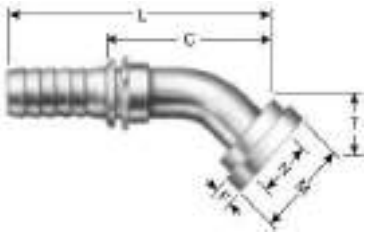
Diam.	N(")	M(")	L(")	C(")	F(")
1/2.	0.67	13/16.	2.95	1.15	0.28
3/4.	0.93	1 1/2.	3.41	1.96	0.28
3/4.	0.96	1 5/8.	3.57	2.06	0.33
3/4.	1.21	1 3/4.	3.59	2.05	0.33
1 .	1.21	1 3/4.	4.18	2.42	0.33
1 .	1.44	2 .	4.25	2.47	0.33

Flanches SAE 100 R9



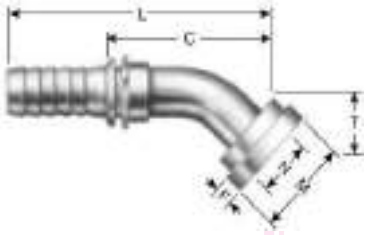
Diam.	N(")	M(")	L(")	C(")	F(")
1/2.	0.69	1 3/16.	3.3	1.68	0.28
1/2.	0.96	1 1/2.	3.3	1.75	0.28
5/8.	0.69	1 3/16.	3.62	1.87	0.28
5/8.	0.96	1 1/2.	3.59	1.83	0.28
5/8.	0.96	1 5/8.	3.68	1.95	0.36
3/4.	0.69	1 3/16.	3.82	1.91	0.28
3/4.	0.96	1 1/2.	3.82	1.96	0.28
3/4.	0.96	1 5/8.	4	2.11	0.36
3/4.	1.25	1 3/4.	3.95	2.05	0.32
3/4.	1.25	1 7/8.	4.12	2.22	0.41
3/4.	1.43	2 .	3.96	2.07	0.32
1 .	0.96	1 1/2.	4.57	2.29	0.28
1 .	1.25	1 3/4.	4.59	2.31	0.32
1 .	1.25	1 7/8.	4.68	2.38	0.41
1 .	1.43	2 .	4.67	2.39	0.32
1 .	1.44	2 1/8.	4.77	2.48	0.38
1 1/4.	1.43	2 .	5.12	2.56	0.32
1 1/4.	1.44	2 1/8.	5.16	2.56	0.38
1 1/2.	1.81	2 1/2.	5.73	2.91	0.32
2 .	2.16	2 13/16.	6.44	2.82	0.38

Flanches SAE 100 R2 45°



Diam.	N(")	M(")	L(")	C(")	F(")	T(")
1/2.	0.7	1 3/16.	3.29	2.04	0.28	0.82
1/2.	0.93	1 1/2.	3.29	2.04	0.28	0.84
3/4.	0.94	1 1/2.	4.07	2.66	0.28	1.01
3/4.	1.25	1 3/4.	4.07	2.66	0.28	1.03
1 .	1.24	1 3/4.	4.75	3.11	0.31	1.18
1 .	1.44	2 .	4.75	3.11	0.31	1.18

Flanches SAE 100 R9 45°



Diam.	N(")	M(")	L(")	C(")	F(")
1/2.	0.7	1 3/16.	3.5	1.89	0.28	0.82
1/2.	0.93	1 1/2.	3.69	2.14	0.28	0.84
3/4.	0.94	1 1/2.	4.44	2.58	0.28	1.01
3/4.	0.95	1 5/8.	4.41	2.58	0.49	1.03
3/4.	1.25	1 3/4.	4.5	2.63	0.28	1.03
3/4.	1.25	1 7/8.	4.31	2.41	0.51	1.09
1 .	1.25	1 3/4.	5.32	3.09	0.31	1.18
1 .	1.25	1 7/8.	5.38	3.18	0.51	1.18
1 .	1.44	2 .	5.46	3.25	0.31	1.22
1 .	1.44	2 1/8.	5.38	3.18	0.43	1.22
1 1/4.	1.44	2 .	6.25	3.67	0.31	1.51
1 1/4.	1.44	2 1/8.	6.15	3.62	0.43	1.51
1 1/2.	1.81	2 3/8.	7.45	4.58	0.31	1.69

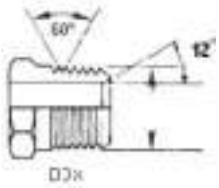
Flanches SAE 100 R2 90°

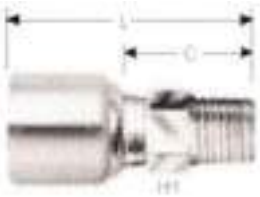
Diam.	N(")	M(")	L(")	C(")	F(")
1/2.	0.93	1 1/2.	2.88	1.59	0.28	1.61
3/4.	0.93	1 1/2.	3.62	2.1	0.28	2.15
3/4.	1.25	1 3/4.	3.62	2.1	0.28	2.31
1 .	1.25	1 3/4.	4.25	2.72	0.31	2.58
1 .	1.44	2 .	4.25	2.72	0.31	2.82

Flanches SAE 100 R9 90°

Diam.	N(")	M(")	L(")	C(")	F(")
1/2.	0.7	1 3/16.	3.33	1.69	0.28	1.6
1/2.	0.93	1 1/2.	3.33	1.69	0.28	1.77
3/4.	0.7	1 3/16.	3.98	2.13	0.28	2.38
3/4.	0.94	1 1/2.	4.12	2.25	0.28	2.08
3/4.	0.95	1 5/8.	3.96	2	0.49	2.48
3/4.	1.25	1 3/4.	4.12	2.25	0.28	2.18
3/4.	1.25	1 7/8.	4.18	2.25	0.51	2.39
1 .	1.25	1 3/4.	4.89	2.62	0.31	2.51
1 .	1.25	1 7/8.	5.04	2.75	0.51	2.58
1 .	1.44	2 .	4.89	2.62	0.31	2.78
1 .	1.44	2 1/8.	4.89	2.62	0.43	2.78
1 1/4.	1.44	2 .	5.85	3.31	0.31	3.44
1 1/4.	1.44	2 1/8.	6.08	3.5	0.43	3.18
1 1/2.	1.81	2 3/8.	6.32	3.58	0.31	3.82

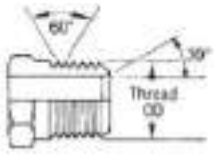
Macho freno de aire RU BDX



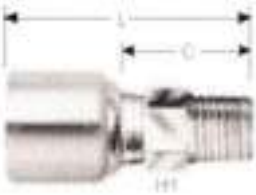


Diam.	BDX(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	3/8.	18	2.13	0.84	0.62
3/8.	1/2.	16	2.25	0.87	0.68
1/2.	1/2.	16	2.25	0.91	0.75
1/2.	5/8.	16	3.05	0.91	0.82

Macho freno de aire RU NPT

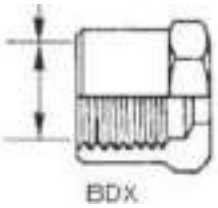


NPTF Solid Male (MP)



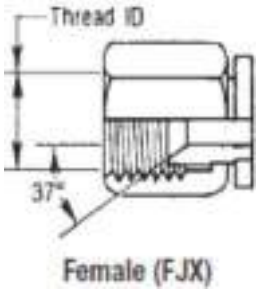
Diam.	BDX(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	1/4.	18	2,25	0,91	0,63
3/8.	3/8.	18	2,31	0,91	0,69
3/8.	1/2.	14	2,91	1,04	0,88
1/2.	1/4.	18	2,25	0,91	0,75
1/2.	3/8.	18	2,31	0,91	0,75
1/2.	1/2.	14	2,91	1,04	0,88

Hembra freno de aire RU BDX



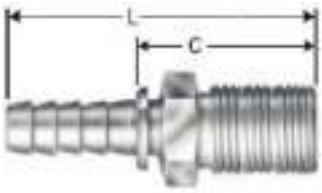
Diam.	BDX(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	3/8.	18	1	2,29	0,68
3/8.	1/2.	16	2,05	0,74	0,82
3/8.	5/8.	16	2,18	0,8	0,94
1/2.	1/2.	16	2,46	1,15	0,82
1/2.	5/8.	16	2,24	0,82	0,94

Hembra freno de aire RU JIC



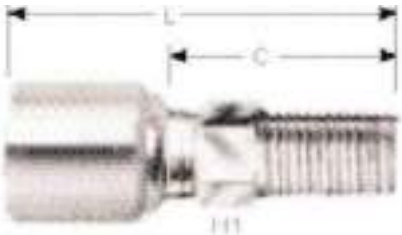
Diam.	JIC(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	3/4.	16	2.09	0.82	0.88
1/2.	3/4.	16	2.5	1.13	0.88
1/2.	7/8.	14	2.25	0.82	1.01

Macho freno chevrolet 1caraPR



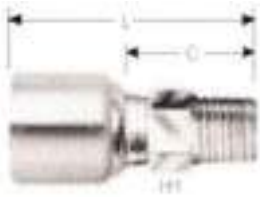
Diam.	Chev(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	7/8.	14	2.62	1.51	0.88
1/2.	7/8.	14	2.68	1.51	0.88

Macho freno chevrolet 1caraRU



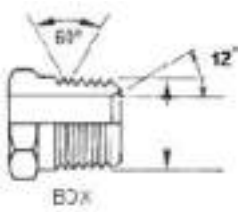
Diam.	Chev(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	7/8.	14	2.88	1.51	0.88
1/2.	7/8.	14	2.96	1.51	0.88

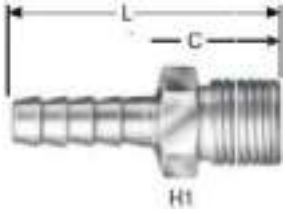
Macho R5 chevrolet 1caraRU



Diam.	Chev(")	Rosca(hilos/")	L(")	C(")	H1(")
13/32.	7/8.	14	3.15	1.58	0.88

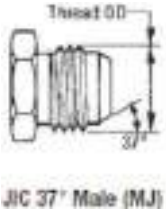
Macho freno tipo BI BDX

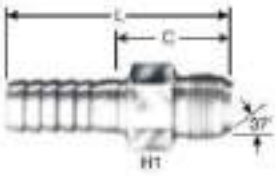




Diam.	BDX(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	1/2.	16	1.98	0.89	0.68
1/2.	1/2.	16	2.11	0.91	0.75
1/2.	5/8.	16	2.12	0.96	0.81

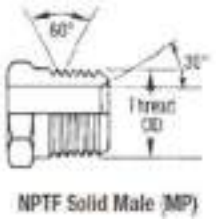
Macho tipo BI JIC



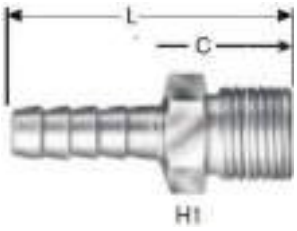


Diam.	JIC(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	3/4.	16	2.12	1.04	0.75
1/2.	3/4.	16	2.25	1.07	0.75
1/2.	7/8.	14	2.29	1.11	0.88

Macho freno tipo BI NPT



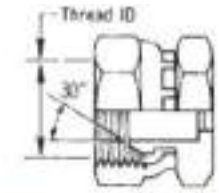
NPTF Solid Male (MP)



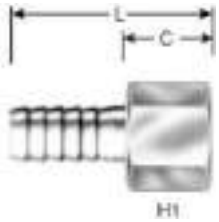
H1

Diam.	NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
3/16.	1/8.	27	1.65	0.69	0.43
3/16.	1/4.	18	1.88	0.88	0.57
1/4.	1/8.	27	1.75	0.72	0.5
1/4.	1/4.	18	1.88	0.82	0.57
1/4.	3/8.	18	2.02	0.96	0.68
1/4.	1/2.	14	2.17	1.08	0.82
5/16.	1/4.	18	1.91	0.85	0.57
5/16.	3/8.	18	2	0.96	0.68
5/16.	1/2.	14	2.13	0.88	0.88
5/16.	3/4.	14	2.19	1.09	1.06
3/8.	1/8.	27	1.87	0.75	0.57
3/8.	1/4.	18	1.95	0.88	0.57
3/8.	3/8.	18	2.02	0.93	0.68
3/8.	1/2.	14	2.15	1.06	0.88
1/2.	1/4.	18	2.07	0.91	0.63
1/2.	3/8.	18	2.12	0.93	0.68
1/2.	1/2.	14	2.23	1.05	0.88
1/2.	3/4.	14	2.32	1.15	1.06
5/8.	3/8.	18	2.17	0.94	0.75
5/8.	1/2.	14	2.39	1.08	0.88
5/8.	3/4.	14	2.47	1.18	1.07
3/4.	3/8.	18	2.25	0.94	0.88
3/4.	1/2.	14	2.47	1.09	0.88
3/4.	3/4.	14	2.55	1.15	1.06
3/4.	1 .	11 1/2	2.73	1.31	1.38
1 .	1/2.	14	2.75	1.18	1.06
1 .	3/4.	14	2.82	1.18	1.06
1 .	1 .	11 1/2	3.01	1.33	1.38
1 .	1 1/4.	11 1/2	3.25	1.55	1.75
1 1/4.	1 1/4.	11 1/2	3.37	1.55	1.75
1 1/2.	1 1/2.	11 1/2	3.88	1.68	2
2 .	2 .	11 1/2	4.31	1.82	2.5

Hembra freno tipo BI NPS

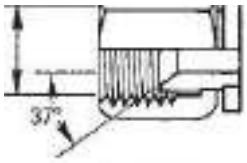


NPSM Swivel Female (FPX)

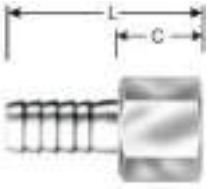


Diam. NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	1/4.	18	1.63	0.63	0.63
3/8.	3/8.	18	1.82	0.71	0.82
1/2.	1/2.	14	1.93	0.8	0.94
3/4.	3/4.	14	2.28	0.87	1.25
1 .	1 .	11 1/2	2.57	1.07	1.51
1 1/4.	11/4.	11 1/2	3.15	1.19	2
1 1/2.	1 1/2.	11 1/2	3.32	1.28	2.25
2	2	11 1/2	4.13	1.55	2.77

Hembra freno tipo BI JIC

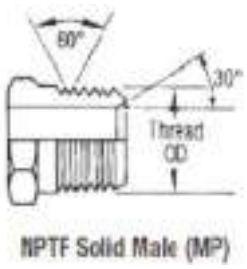


Female (FJX)

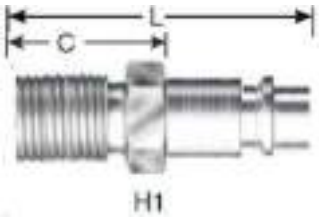


Diam. JIC(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	7/16.	20	1.68	0.59	0.57
3/8.	9/16.	18	1.75	0.63	0.75
3/8.	3/4.	16	2.05	0.81	0.82
1/2.	3/4.	16	2	0.81	0.82
1/2.	7/8.	14	2.14	0.85	1.01
3/4.	1 1/16.	12	2.33	0.89	1.25
1 .	1 5/16.	12	2.68	1.07	1.5
1 1/4.	1 5/8.	12	3.12	1.18	2
1 1/2.	1 7/8.	12	3.39	1.25	2.25
2 .	2 1/2.	12	4.15	1.58	2.75

Conector foster macho



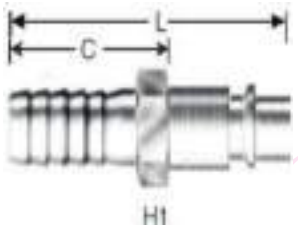
NPTF Solid Male (MP)



H1

Foster	NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	1/4.	18	1.73	0.89	0.57
3/8.	1/4.	18	1.96	0.89	0.63
3/8.	3/8.	18	2	0.94	0.69
3/8.	1/2.	14	2.12	1.06	0.88
1/2.	1/4.	18	2.25	0.89	0.69
1/2.	3/8.	18	2.37	0.93	0.75
1/2.	1/2.	14	2.41	1.04	0.88
3/4.	3/4.	14	2.38	1.13	1.06

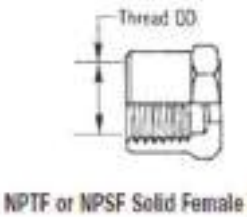
Conector foster BI



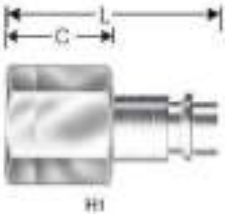
H1

Foster	BI	L(")	C(")	H1(")
1/4.	1/4.	2.07	1.13	0.5
3/8.	1/4.	2.18	1.18	0.63
1/4.	5/16.	2.13	1.18	0.5
3/8.	5/16.	2.3	1.23	0.63
1/4.	3/8.	2.18	1.18	0.5
3/8.	3/8.	2.32	1.26	0.63
1/2.	3/8.	2.64	1.26	0.68
1/2.	1/2.	2.74	1.35	0.68

Conector foster Hembra

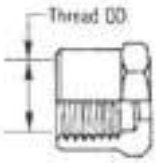


NPTF or NPSF Solid Female (FP)



Foster	NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	1/4.	18	1.68	0.75	0.63
3/8.	3/8.	18	1.88	0.81	0.81
3/8.	1/2.	14	2.07	1	1
1/2.	1/2.	14	2.38	1.04	1
1/2.	3/4.	14	2.5	1.11	1.25

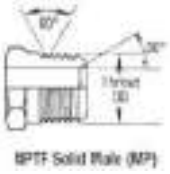
Conector Aro Hembra

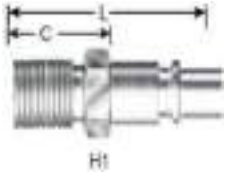


NPTF or NPSF Solid Female (FP)

Aro	NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	1/4.	18	1.68	0.75	0.63
3/8.	3/8.	18	2.23	0.85	0.82

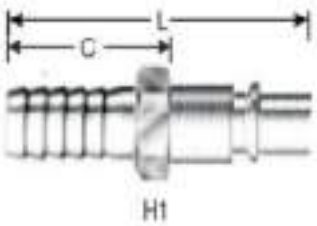
Conector Aro Macho





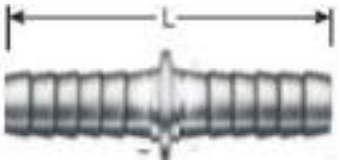
Aro	NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	1/8.	27	1.75	0.8	0.5
1/4.	1/4.	18	1.82	0.91	0.57
3/8.	1/4.	18	2.31	0.91	0.63
3/8.	3/8.	18	2.31	0.93	0.75

Conector Aro Bl



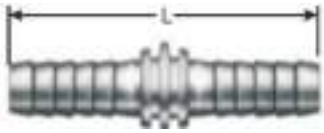
Aro	Bl	L(")	C(")	H1(")
1/4.	1/4.	2.07	1.16	0.5
1/4.	5/16.	2.13	1.18	0.5
3/8.	3/8.	2.18	1.25	0.5
3/8.	3/8.	2.5	1.18	0.57

union Bl



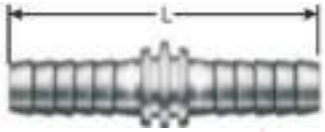
Bl(")	L
3/16.	2.09
1/4.	2.25
5/16.	2.3
3/8.	2.33
1/2.	2.5
5/8.	2.75
3/4.	2.92
1 .	3.48
1 1/4.	4.24
1 1/2.	4.63

union R2



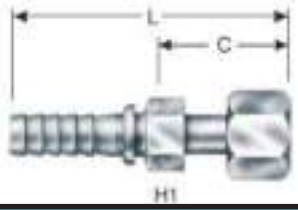
R2(")	L (")
3/16.	2.5
1/4.	2.73
5/16.	2.9
3/8.	3.07
1/2.	3.27
5/8.	3.5
3/4.	3.69
1 .	4.37
1 1/4.	5.18
1 1/2.	5.64

union R9



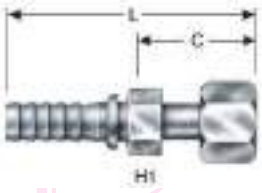
R9 (")	L (")
3/8.	3.5
1/2.	3.94
5/8.	4.18
3/4.	4.57
1 .	5.43
1 1/4.	5.97

Hembra SAE 100 R2 ORS



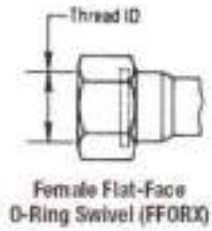
R2(")	SP(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	9/16.	18	2.52	1.18	0.7
1/4.	11/16.	16	2.4	1.09	0.83
3/8.	11/16.	16	2.46	1.02	0.83
3/8.	13/16.	16	2.63	1.18	0.94
1/2.	11/16.	16	2.42	0.88	0.88
1/2.	13/16.	16	2.96	1.39	0.94
1/2.	1 .	14	3.07	1.5	1.25
5/8.	1 .	14	3.19	1.5	1.25
5/8.	1 3/16.	12	3.13	1.5	1.39
3/4.	1 .	14	2.89	1.12	1.25
3/4.	1 3/16.	12	3.31	1.5	1.39
3/4.	1 7/16.	12	3.35	1.73	1.62

Hembra SAE 100 R9 ORS



R2(")	SP(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	9/16.	18	2.69	1.17	0.63
1/4.	11/16.	16	2.62	1.06	0.82
3/8.	11/16.	16	2.82	1.12	0.82
3/8.	13/16.	16	2.97	1.25	0.94
1/2.	13/16.	16	3.31	1.38	0.94
1/2.	1 .	14	3.35	1.5	1.25
5/8.	1 .	14	3.39	1.45	1.25
5/8.	1 3/16.	12	3.54	1.51	1.38
3/4.	1 .	14	3.39	1.1	1.25
3/4.	1 3/16.	12	3.71	1.48	1.38
3/4.	1 7/16.	12	3.98	1.69	1.62
1 .	1 7/16.	12	4.38	1.24	1.62
1 1/4.	1 11/16.	12	4.95	1.96	2
1 1/2.	2 .	12	5.46	2.13	2.25

Hembra SAE 100 R2 45 ORS

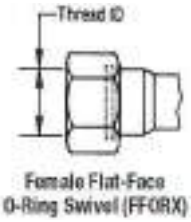


R2(")	SP(")	Rosca(hilos/")	L(")	C(")	T(")	H2(")
1/4.	9/16.	18	2.72	1.66	0.63	0.68
1/4.	11/16.	16	2.56	1.55	0.75	0.82
3/8.	11/16.	16	2.92	1.69	0.75	0.82
3/8.	13/16	16	2.94	1.76	0.87	0.93
1/2.	13/16.	16	3.53	2.18	0.87	0.93
1/2.	1 .	14	3.43	2.1	1.11	1.25
5/8.	1 .	14	3.54	2.12	1.11	1.25
5/8.	1 3/16.	12	4.06	2.62	1.23	1.38
3/4.	1 3/16.	12	4.3	2.88	1.23	1.38
3/4.	1 7/16.	12	4.08	2.68	1.44	1.63
1 .	1 7/16.	12	5	3.18	1.44	1.63
1 1/4.	1 11/16.	12	6	3.88	1.75	2

Hembra SAE 100 R9 45 ORS

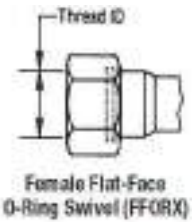
R9(")	SP(")	Rosca(hilos/")	L(")	C(")	T(")	H2(")
3/8.	11/16.	16	3.09	1.69	0.75	0.82
3/8.	13/16.	16	3.19	1.79	0.87	0.93
1/2.	11/16.	16	3.7	2.13	0.75	0.82
1/2.	13/16.	16	3.66	2.09	0.87	0.93
1/2.	1 .	14	3.63	2.06	1.11	1.25
5/8.	1 .	14	4.22	2.56	1.11	1.25
5/8.	1 3/16.	12	4.16	2.5	1.23	1.38
3/4.	1.	14	4.68	2.75	1.11	1.25
3/4.	1 3/16.	12	4.57	2.64	1.23	1.38
3/4.	1 7/16.	12	4.75	2.83	1.44	1.63
1 .	1 7/16.	12	5.5	3.25	1.44	1.63
1 1/4.	1 11/16.	12	6.82	4.21	1.75	2

Hembra SAE 100 R2 90 ORS



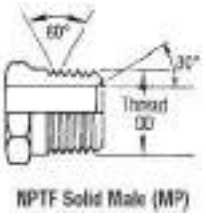
R2(")	SP(")	Rosca(hilos/")	L(")	C(")	T(")	H2(")
1/4.	9/16.	18	2.38	1.25	1.18	0.63
1/4.	11/16.	16	2.38	1.25	1.18	0.82
3/8.	11/16.	16	2.8	1.66	1.31	0.82
3/8.	13/16.	16	2.8	1.66	1.31	0.94
1/2.	13/16.	16	3.25	1.98	2.01	0.94
1/2.	1 .	14	3.15	1.88	1.82	1.25
5/8.	1 .	14	3.52	2.19	2.38	1.25
5/8.	1 3/16.	12	3.44	2.23	2.42	1.38
3/4.	1 3/16.	12	4.18	2.68	2.68	1.38
3/4.	1 7/16.	12	4.13	2.63	2.75	1.63
1 .	1 7/16.	12	4.87	3.12	3.25	1.63
1 1/4.	111/16.	12	5.63	3.63	4.38	2

Hembra SAE 100 R9 ORS

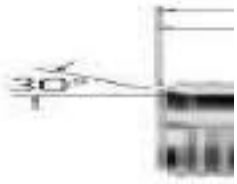


R9(")	SP(")	Rosca(hilos/")	L(")	C(")	T(")	H2(")
1/4.	9/16.	18	2.57	1.32	1.32	0.68
3/8.	11/16.	16	2.85	1.46	1.68	0.82
3/8.	13/16.	16	3.07	1.66	1.31	0.94
1/2.	13/16.	16	3.46	1.98	2.01	0.94
1/2.	1 .	14	3.59	2.01	1.88	1.25
5/8.	1 .	14	3.9	2.19	2.38	1.25
5/8.	1 3/16.	12	4.05	2.44	2.24	1.38
3/4.	1 .	14	4.36	2.52	2.5	1.25
3/4.	1 3/16.	12	4.63	2.68	2.68	1.38
3/4.	1 7/16.	12	4.55	2.63	2.75	1.63
1 .	1 7/16.	12	5.18	3.01	3.37	1.63
1 1/4.	1 11/16.	12	6.31	3.82	3.12	2
1 1/2.	2 .	12	7.46	4.63	4.2	2.25

Macho para teflon R115 RU

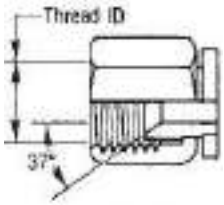


NPTF Solid Male (MP)

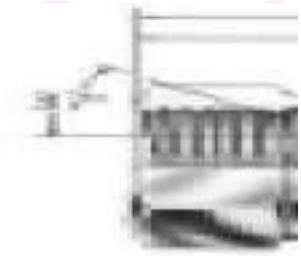


R115	NPT(")	Rosca(hilos/")	A(")	D(")
3/16.	1/8.	27	1.47	1.07
3/16.	1/4.	18	1.63	1.19
1/4.	1/4.	18	1.74	1.19
5/16.	1/4.	18	1.66	1.14
13/32.	1/4.	18	1.85	1.28
13/32.	3/8.	18	1.87	1.32
13/32.	1/2.	14	1.94	1.38
1/2.	1/2.	14	2.1	1.43
5/8.	3/4.	14	2.26	1.58
3/4.	3/4.	14	2.38	1.53
7/8.	1 .	11 1/2	2.57	1.87

embra para teflon R115 RU

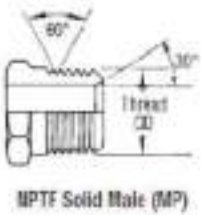


Female (FJX)



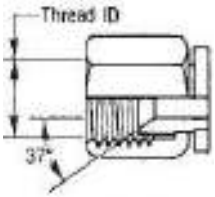
R115	JIC(")	Rosca(hilos/")	A(")	D(")
3/16.	7/16.	20	1.62	1.25
1/4.	7/16.	20	1.73	1.25
1/4.	9/16.	18	1.8	1.31
5/16.	9/16.	18	1.87	1.5
13/32	3/4.	16	2.08	1.44
1/2.	3/4.	16	2.17	1.46
1/2.	7/8.	14	2.29	1.66
5/8.	1 1/16.	12	2.5	1.75
3/4.	1 1/16.	12	2.62	1.81
7/8.	1 5/16.	12	2.69	1.88

Macho para teflon R115

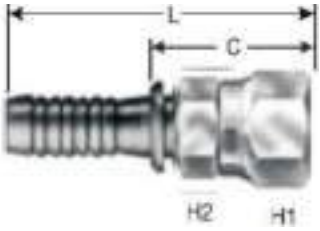


R115	NPT(")	Rosca(hilos/")	L(")	C(")	H1(")
3/16.	1/8.	27	1.55	0.87	0.5
3/16.	1/4.	18	1.8	1.12	0.57
1/4.	1/8.	27	1.66	0.98	0.5
1/4.	1/4.	18	1.83	1.12	0.57
5/16.	1/8.	27	1.78	1	0.5
5/16.	1/4.	18	1.88	1.15	0.57
5/16.	3/8.	18	1.94	1.25	0.68
13/32.	1/4.	18	1.94	1.12	0.57
13/32.	3/8.	18	2.06	1.21	0.68
13/32.	1/2.	14	2.14	1.41	0.88
1/2.	3/8.	18	2.13	1.31	0.75
1/2.	1/2.	14	2.33	1.5	0.88
5/8.	3/4.	14	2.47	1.52	1.07
3/4.	3/4.	14	2.5	1.39	1.07
7/8.	1 .	11 1/2	2.93	1.75	1.38
1 .	1 .	11 1/2	2.93	1.75	1.38
1 1/8.	1 1/4.	11 1/2	3.31	2.02	1.75

Hembra para teflon R115 JIC

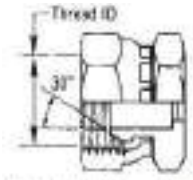


Female (FJX)

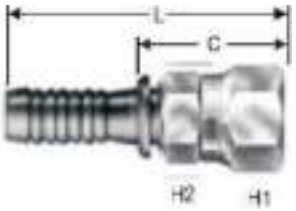


R115(")	JIC(")	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
3/16.	7/16.	20	1.66	1.01	0.57	0.5
3/16.	1/2.	20	1.74	1.07	0.63	0.5
1/4.	7/16.	20	1.6	0.92	0.57	0.5
1/4.	1/2.	20	1.64	0.96	0.63	0.5
1/4.	9/16.	18	1.8	1.12	0.68	0.57
5/16.	7/16.	20	1.68	0.96	0.57	0.5
5/16.	1/2.	20	1.73	1	0.63	0.5
5/16.	9/16.	18	1.84	1.18	0.68	0.57
13/32.	9/16.	18	1.84	1.07	0.68	0.57
13/32.	3/4.	16	2.02	1.31	0.88	0.75
13/32.	7/8.	14	2.05	1.31	1	0.82
1/2.	3/4.	16	2.01	1.18	0.88	0.75
1/2.	7/8.	14	2.17	1.36	1	0.82
1/2.	1 1/16.	12	2.35	1.55	1.25	1
5/8.	7/8.	14	2.18	1.25	1	0.82
5/8.	1 1/16.	12	2.44	1.51	1.25	1
3/4.	1 1/16.	12	2.6	1.43	1.25	1
7/8.	1 5/16.	12	2.84	1.63	1.5	1.25
1 1/8.	1 5/8.	12	3.19	1.92	2	1.63

Hembra para teflon R115 NPS



NPSM Swivel Female (FPX)

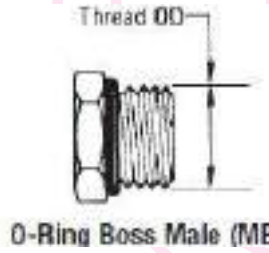


R115(")	NPS(")	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
1/4.	1/4.	18	1.16	1.02	0.68	0.5
5/16.	3/8.	18	1.96	1.18	0.75	0.63
13/32.	3/8.	18	1.83	1.06	0.75	0.63
13/32	1/2.	14	2.05	1.31	1	0.82
1/2.	1/2.	14	2.13	1.34	1	0.82

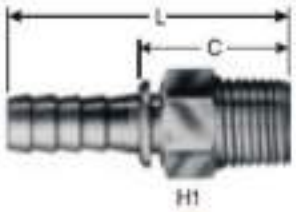
Capsula aluminio R115

DIAMETRO	L (")
3/16.	0.75
1/4.	0.76
5/16.	0.91
13/32.	0.92
1/2.	1.03
5/8.	1.03
3/4.	1.19
7/8.	1.31
1 .	1.35
3/4.	1.5

Macho recortado R2

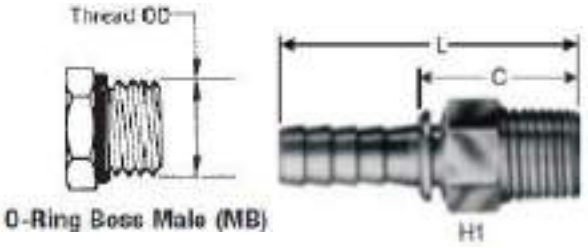


O-Ring Boss Male (MB)



R2	O´ring(")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	7/16.	20	2.06	0.98	0.57
1/4.	9/16.	18	2.11	1.08	0.68
5/16.	9/16.	18	2.18	1.04	0.68
5/16.	3/4.	16	2.38	1.25	0.88
3/8.	9/16.	18	2.25	1.08	0.68
3/8.	3/4.	16	2.38	1.18	0.88
3/8.	7/8.	14	2.42	1.25	1
1/2.	3/4.	16	2.44	1.16	0.88
1/2.	7/8.	14	2.52	1.25	1
5/8.	1 1/16.	12	2.68	1.38	1.25
3/4.	1 1/16.	12	2.84	1.4	1.25
1 .	1 5/16.	12	3.36	1.55	1.5

Macho recortado R9



R9	O'ring(")	Rosca(hilos/")	L(")	C(")	H1(")
3/8.	9/16.	18	2.48	1.08	0.68
3/8.	3/4.	16	2.68	1.25	0.88
1/2.	3/4.	16	2.81	1.18	0.88
1/2.	7/8.	14	2.82	1.18	1
1/2.	1 1/16.	12	2.96	1.38	1.25
5/8.	7/8.	14	3	1.31	1
5/8.	1 1/16.	12	3.12	1.43	1.25
3/4.	1 1/16.	12	3.18	1.36	1.25
3/4.	1 5/16.	12	3.24	1.68	1.5
1 .	1 5/16.	12	3.89	1.55	1.5

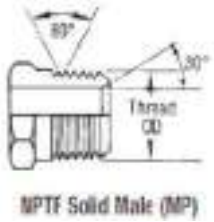
Ojete banyo R2

R2	ban(mm)	L(")	C(")
3/16.	8	2.12	0.94
3/16.	10	2.25	1.07
1/4.	8	2.41	1.11
1/4.	10	2.43	1.13
1/4.	12	2.59	1.31
1/4.	13	2.63	1.31
1/4.	14	2.71	1.42
3/8.	12	2.73	1.25
3/8.	14	2.88	1.39
3/8.	16	2.98	1.54
3/8.	18	3.31	1.82
1/2.	14	3.13	1.57
1/2.	18	3.39	1.81
1/2.	20	3.5	1.88
5/8.	24	4.06	2.38

Ojete banyo RU

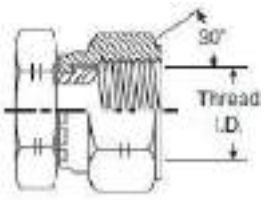
R5	ban(mm)	L(")	C(")
3/16.	8	2.39	1.2
3/16.	10	2.42	1.23
3/16.	12	2.56	1.38
1/4.	10	2.56	1.31
1/4.	12	2.68	1.42
5/16.	12	2.88	1.44
5/16.	14	2.93	1.56
5/16.	16	3	1.68
5/16.	18	3.38	1.97

Macho BI 90°



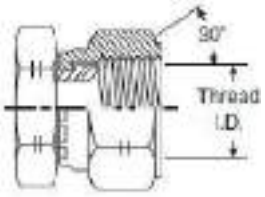
BI	NPT (")	Rosca(hilos/")	L(")	C(")	H1(")
1/4.	1/4.	18	1.23	1.68	0.63
3/8.	1/4.	18	1.34	1.77	0.63
3/8.	3/8.	18	1.47	1.81	0.68
3/8.	1/2.	14	1.48	1.98	0.82
1/2.	3/8.	18	1.63	2	0.82
1/2.	1/2.	14	1.73	2.07	0.88
1/2.	3/4.	14	1.87	2.35	1.13
5/8.	3/8.	18	1.62	2	0.82
5/8.	1/2.	14	1.78	2.01	0.88
5/8.	3/4.	14	1.78	2.4	1.13
3/4.	3/8.	18	1.82	2.43	1.13
3/4.	1/2.	14	2.06	2.35	1
3/4.	3/4.	14	1.98	2.5	1.13
3/4.	1 .	11 1/2	2.06	2.79	1.39
1 .	3/4.	14	2.22	2.94	1.25
1 .	1 .	11 1/2	2.31	3	1.39
1 .	1 1/4.	11 1/2	2.44	3.43	1.75
1 1/4.	1 1/4.	11 1/2	2.48	3.63	1.75

Hembra BSP/JIS R2



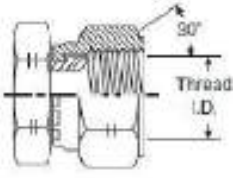
R2	BSP/JIS	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
1/4.	1/4.	19	2.13	1.08	0.5	0.68
1/4.	3/8.	19	2.23	1.18	0.63	0.68
1/4.	1/2.	14	2.16	1.12	0.63	0.82
3/8.	1/2.	14	2.31	1.12	0.63	0.82
1/2.	1/2.	14	2.57	1.31	0.82	1
1/2.	3/4.	14	2.68	1.4	1	1.25
5/8.	3/4.	14	2.82	1.43	1	1.25
3/4.	3/4.	14	2.93	1.43	1	1.25
1 .	1 .	11	3.31	1.59	1.25	1.5

Hembra BSP/JIS R9



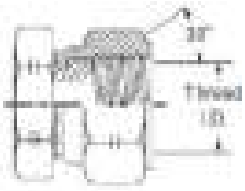
R9	BSP/JIS	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
3/8.	3/8.	19	2.53	1.12	0.68	0.82
1/2.	1/2.	14	2.83	1.27	0.82	1
3/4.	3/4.	14	3.38	1.47	1	1.25

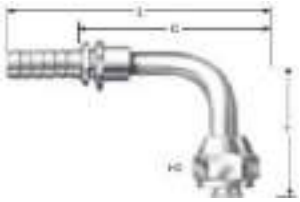
Hembra BSP/JIS R9 y R2 45°



R9,R2	BSP/JIS	Rosca(hilos/")	L(")	C(")	H2(")	T(")
3/4.	3/4.	14	4.19	2.69	1.25	1.13
3/4.	3/4.	14	4.62	2.69	1.25	1.13

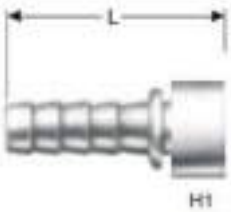
Hembra BSP/JIS R9 y R2 90°





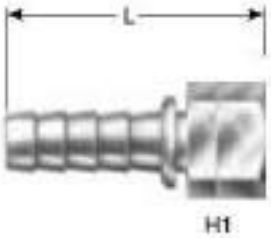
R9, R2	BSP/JIS	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
1/4.	1/4.	19	2.43	1.33	0.68	1.43
3/8.	3/8.	19	2.88	1.68	0.82	1.46
1/2.	1/2.	14	3.25	2.06	1	1.88
1/2.	1/2.	14	3.68	2.06	1	1.88
3/4.	3/4.	14	4.18	2.84	1.25	2.31
3/4.	3/4.	14	4.75	2.85	1.25	2.38

salvavidas R2



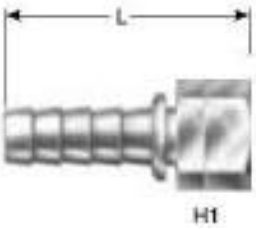
R2(")	L (")	H1(")
3/16.	1.64	0.5
1/4.	1.7	0.5
5/16.	1.81	0.5
3/8.	1.91	0.63
1/2.	2.08	0.75
5/8.	2.18	0.88
3/4.	2.32	1
1 .	2.68	1.25
1 1/4.	3.06	1.63
1 1/2.	3.38	1.81

salvavidas R2 hexagonal



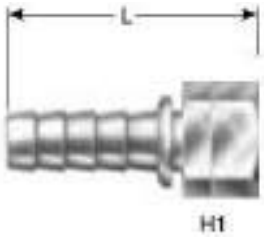
R2(")	L(")	H1(")
1/4.	1.28	0.5
5/16.	1.81	0.57
3/8.	1.88	0.63
1/2.	1.97	0.81
5/8.	2.18	0.97
3/4.	2.29	1.07
1 .	2.68	1.25

salvavidas R9



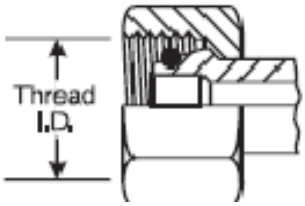
R9(")	L(")	H1(")
1/4.	2	0.5
3/8.	2.15	0.63
1/2.	2.38	0.75
5/8.	2.42	0.88
3/4.	2.85	1
1 .	3.28	1.25
1 1/4.	3.65	1.63
1 1/2.	3.97	1.88
2	4.85	2.5

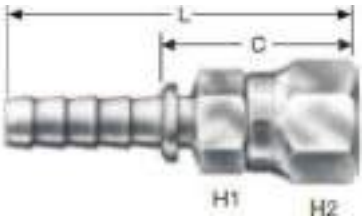
salvavidas R9 hexagonal



R9(")	L (")	H1(")
3/8.	2.18	0.63
1/2.	3.35	0.82
1	3.19	1.38

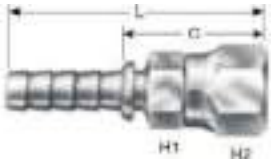
Hembra DIN L SAE 100 R2





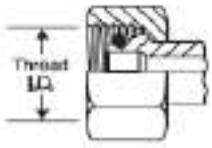
R2	DIN(mm)	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
3/16.	12	1.5	1.97	1.01	0.5	0.63
1/4.	10	1.5	2.03	0.96	0.5	0.57
1/4.	12	1.5	2.07	1.02	0.5	0.63
1/4.	14	1.5	2.13	1.06	0.5	0.68
1/4.	16	1.5	2.25	1.25	0.43	0.82
1/4.	18	1.5	2.28	1.22	0.57	0.88
1/4.	20	1.5	2.43	1.38	0.68	0.94
5/16.	14	1.5	2.18	1.06	0.5	0.68
5/16.	16	1.5	2.25	1.15	0.57	0.75
5/16.	18	1.5	2.41	1.28	0.63	0.88
3/8.	16	1.5	2.34	1.18	0.63	0.81
3/8.	18	1.5	2.39	1.19	0.63	0.88
3/8.	20	1.5	2.57	1.41	0.68	0.94
3/8.	24	1.5	2.66	1.53	0.88	1.13
1/2.	20	1.5	2.5	1.25	0.82	0.94
1/2.	22	1.5	2.63	1.38	0.82	1.07
1/2.	24	1.5	2.82	1.57	0.88	1.13
1/2.	26	1.5	2.84	1.57	0.88	1.25
5/8.	26	1.5	3	1.66	0.94	1.25
3/4.	30	1.5 y 2	3.13	1.62	1.09	1.38
3/4.	36	1.5 y 2	3.62	2.13	1.25	1.63
1 .	42	2	3.81	2.09	1.57	2

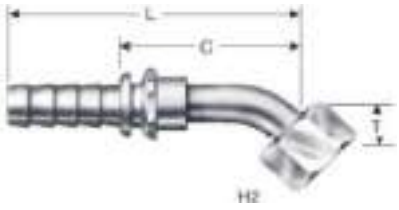
Hembra DIN S SAE 100 R2



R2	DIN(mm)	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
5/16.	16	1.5	2.41	1.31	0.63	0.88
5/16.	18	1.5	2.41	1.31	0.63	0.88
3/8.	16	1.5	2.31	1.09	0.63	0.82
3/8.	22	1.5	2.69	1.52	0.82	1.07
1/2.	22	1.5	2.6	1.31	0.81	1.07
1/2.	24	1.5	2.82	1.52	0.88	1.13
5/8.	26	1.5	3.02	1.68	0.94	1.25
5/8.	30	1.5 y 2	3.15	1.75	1.07	1.38
3/4.	36	1.5 y 2	3.56	2.09	1.25	1.63
1 .	36	1.5 y 2	3.68	2.04	1.31	1.63

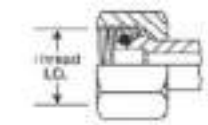
Hembra DIN L SAE 100 R2 45°



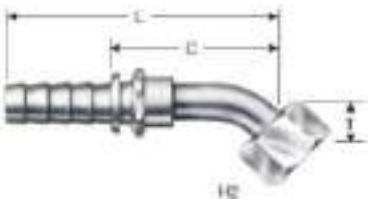


R2	DIN(mm)	Rosca(hilos/")	L(")	C(")	T(")	H2(")
1/4.	12	1.5	2.5	1.43	0.59	0.63
1/4.	14	1.5	2.63	1.57	0.68	0.68
1/4.	16	1.5	2.5	1.46	0.82	0.75
3/8.	16	1.5	2.88	1.68	0.82	0.82
3/8.	18	1.5	2.92	1.75	0.91	0.88
5/8.	22	1.5	3.88	2.51	1.25	1.25

Hembra DIN S SAE 100 R2 45°

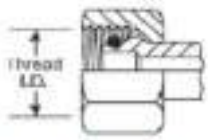


Female 24° Cone with O-Ring

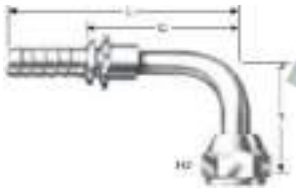


R2	DIN(mm)	Rosca(hilos/")	L(")	C(")	H2(")	T(")
1/4.	14	1.5	2.68	1.66	0.68	0.65
1/4.	16	1.5	2.5	1.47	0.88	0.88
1/4.	18	1.5	2.68	1.63	0.88	0.93
3/8.	16	1.5	2.91	1.75	0.82	0.75
3/8.	18	1.5	2.91	1.63	0.88	0.93
3/8.	22	1.5	2.85	1.57	1.07	1.07
1/2.	22	1.5	3.57	2.25	1.07	1.07
1/2.	24	1.5	3.35	2.07	1.13	1.12
1/2.	26	1.5	3.5	2.18	1.25	1.15
5/8.	26	1.5	3.75	2.39	1.25	1.15
5/8.	30	1.5 y 2	3.59	2.18	1.38	1.31
3/4.	30	1.5 y 2	4.09	2.63	1.38	1.38

Hembra DIN L SAE 100 R2 90°



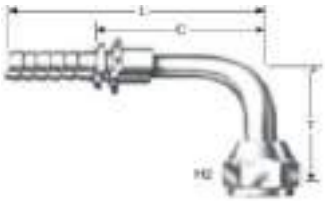
Female 24° Cone with O-Ring



R2	DIN(mm)	Rosca(hilos/")	L(")	C(")	H2(")	T(")
1/4.	12	1.5	2.31	1.31	0.63	1.31
1/4.	14	1.5	2.31	1.31	0.68	1.31
1/4.	16	1.5	2.38	1.38	0.82	1.38
1/4.	18	1.5	2.68	1.63	0.88	1.38
5/16.	16	1.5	2.5	1.42	0.82	1.5
3/8.	16	1.5	2.82	1.63	0.82	1.38
3/8.	18	1.5	2.82	1.63	0.88	1.5
3/8.	20	1.5	2.72	1.57	0.94	1.63
1/2.	20	1.5	3.18	1.92	0.94	1.75
1/2.	22	1.5	3.25	2.12	1.07	1.94
1/2.	24	1.5	3.18	1.94	1.13	1.82
1/2.	26	1.5	3.31	1.98	1.25	1.75
5/8.	30	1.5 y 2	4	2.72	1.38	2.08
3/4.	30	1.5 y 2	4.18	2.72	1.38	2.1

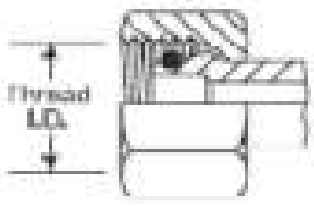
Hembra DIN S SAE 100 R2 90°

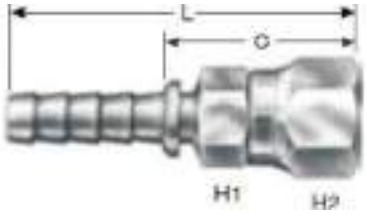
Female 24° Cone with O-Ring



R2	DIN(mm)	Rosca(hilos/")	L(")	C(")	H2(")	T(")
1/4.	14	1.5	2.38	1.31	0.68	1.25
1/4.	16	1.5	2.38	1.31	0.75	1.31
3/8.	16	1.5	2.93	1.75	0.82	1.43
3/8.	18	1.5	2.75	1.57	0.88	1.56
3/8.	20	1.5	2.75	1.57	0.94	1.59
3/8.	22	1.5	2.83	1.63	1.07	1.63
1/2.	20	1.5	3.25	1.91	1	1.82
1/2.	22	1.5	3.25	2.03	1.07	1.8
1/2.	24	1.5	3.25	2	1.13	1.66
1/2.	26	1.5	3.31	2.03	1.25	1.75
5/8.	26	1.5	3.8	2.29	1.25	2.12
3/4.	30	1.5 y 2	4.19	2.25	1.38	2.12
1 .	36	1.5 y 2	4.81	2.68	1.63	2.81

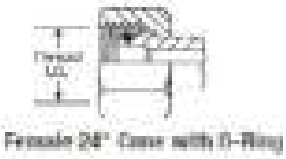
Hembra DIN L SAE 100 R9

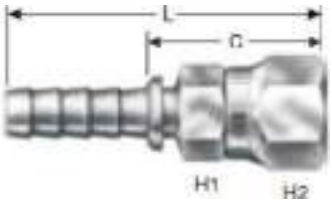




R9	DIN(mm)	Rosca(hilos/")	L(")	C(")	H1(")	H2(")
3/8.	16	1.5	2.53	1.12	0.63	0.82
1/2.	24	1.5	3.15	1.63	0.88	1.13

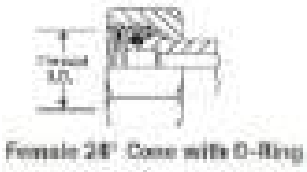
Hembra DIN S SAE 100 R9





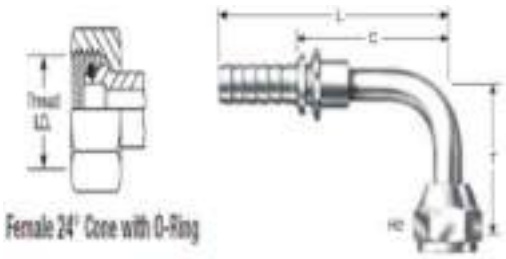
R9	DIN(mm)	Rosca(mm/")	L(")	C(")	H1(")	H2(")
3/8.	16	1.5	2.56	1.13	0.63	0.82
3/8.	18	1.5	2.75	1.31	0.63	0.88
3/8.	20	1.5	2.63	1.5	0.68	0.94
1/2.	22	1.5	3.12	1.5	0.81	1.07
1/2.	24	1.5	3.18	1.64	0.88	1.13
1/2.	26	1.5	3.12	1.57	0.94	1.25
5/8.	26	1.5	3.31	1.65	0.94	1.25
5/8.	30	1.5 y 2	3.38	1.7	1.07	1.38
3/4.	30	1.5 y 2	3.5	1.63	1.07	1.38
3/4.	36	1.5 y 2	3.78	1.94	1.25	1.63
1 .	36	1.5 y 2	4.18	2	1.31	1.63
1 .	42	1.5 y 2	4.31	2.07	1.5	2
1 1/4.	52	1.5 y 2	4.63	2.02	1.88	2.5

Hembra DIN S SAE 100 R9 45°



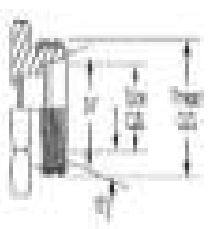
R9	DIN(mm)	Rosca(mm/")	L(")	C(")	T(")	H1(")
3/8.	14	1.5	3.07	1.65	0.85	0.88
1/2.	22	1.5	3.75	2.17	1.06	1.07
5/8.	30	1.5 y 2	4.18	2.5	1.31	1.38
3/4.	30	1.5 y 2	4.53	2.65	1.38	1.38
3/4.	36	1.5 y 2	4.63	2.75	1.57	1.63
1 .	36	1.5 y 2	5.63	3.39	1.57	1.63
1 .	42	1.5 y 2	5.63	3.39	1.85	2
1 1/4.	52	1.5 y 2	6.82	4.25	2.25	2.5

Hembra DIN S SAE 100 R9 90°



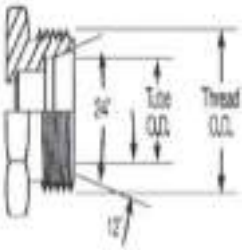
R9	DIN(mm)	Rosca(mm/")	L(")	C(")	T(")	H2(")
3/8.	16	1,5	3,06	1,68	1,5	0,82
3/8.	18	1,5	3	1,63	1,49	0,88
3/8.	20	1,5	2,97	1,58	1,5	0,94
1/2.	22	1,5	3,44	1,9	1,9	1,07
1/2.	24	1,5	3,44	1,9	1,82	1,13
5/8.	30	1.5 y 2	4,06	2,25	2,13	1,38
3/4.	30	1.5 y 2	4,53	2,68	2,31	1,38
3/4.	36	1.5 y 2	4,68	2,81	2,24	1,63
1 .	36	1.5 y 2	5,38	3,13	2,43	1,63
1 .	42	1.5 y 2	5,58	3,44	2,75	2,06
1 1/4.	52	1.5 y 2	6,75	4,15	3,63	2,57

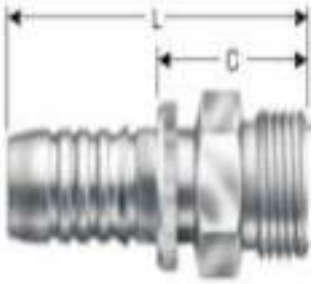
Macho DIN L SAE 100 R2



R2	DIN(mm)	Rosca(mm/")	L(")	C(")
1/4.	12	1,5	2	0,94
1/4.	14	1,5	2,06	1
1/4.	16	1,5	2,08	1,01
1/4.	18	1,5	2,13	1,08
1/4.	20	1,5	2,15	1,18
5/16.	14	1,5	2,18	1,02
5/16.	16	1,5	2,13	1,04
5/16.	18	1,5	2,29	1,14
3/8.	14	1,5	2,23	1,03
3/8.	16	1,5	2,25	1,05
3/8.	18	1,5	2,25	1,06
3/8.	20	1,5	2,3	1,13
3/8.	22	1,5	2,35	1,16
1/2.	20	1,5	2,41	1,14
1/2.	22	1,5	2,45	1,15
1/2.	24	1,5	2,5	1,25
1/2.	26	1,5	2,65	1,38
5/8.	26	1,5	2,68	1,35
5/8.	30	1.5 y 2	2,94	1,51
3/4.	30	1.5 y 2	2,93	1,5
3/4.	36	1.5 y 2	3,08	1,63
1 .	36	1.5 y 2	3,4	1,65

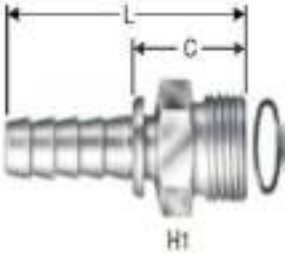
Macho DIN L SAE 100 R9





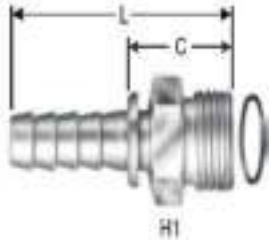
R9	DIN(mm)	Rosca(mm/")	L(")	C(")
3/8.	16	1,5	2,48	1,08
1/2.	18	1,5	2,78	1,19
1/2.	20	1,5	2,75	1,19
1/2.	22	1,5	2,73	1,12
1/2.	24	1,5	2,8	1,23
5/8.	26	1,5	3,14	1,39
5/8.	30	1.5 y 2	3,31	1,52
3/4.	30	1.5 y 2	3,28	1,43
3/4.	36	1.5 y 2	3,6	1,68
3/4.	42	1.5 y 2	3,5	1,68
1 .	36	1.5 y 2	3,89	1,6
1 .	42	1.5 y 2	3,91	1,68
1 1/4.	52	1.5 y 2	4,53	1,98

Macho ORS SAE 100 R2



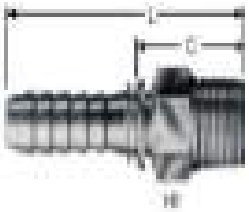
R2	ORS(")	Rosca(hilos/")	L(")	C(")	H(")
1/4.	9/16.	18	2,06	1	0,57
1/4.	11/16.	16	2,18	1,12	0,75
3/8.	9/16.	18	2,19	1	0,63
3/8.	11/16.	16	2,3	1,12	0,75
3/8.	13/16.	16	2,38	1,18	0,88
1/2.	13/16.	16	2,5	1,23	0,82
1/2.	1 .	14	2,68	1,44	1,07
5/8.	1 .	14	2,65	1,3	1,07
5/8.	1 3/16.	12	2,85	1,5	1,25
3/4.	1 3/16.	12	2,97	1,5	1,25
3/4.	1 7/16.	12	3,06	1,62	1,5
1 .	1 7/16.	12	3,38	1,65	1,5

Macho ORS SAE 100 R9



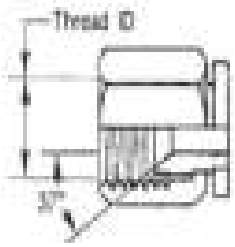
R9	ORS(")	Rosca(hilos/")	L(")	C(")	H(")
1/4.	9/16.	18	2,31	1	0,57
3/8.	9/16.	18	2,53	1,12	0,75
3/8.	11/16.	16	2,57	1,15	0,88
1/2.	13/16.	16	2,81	1,23	0,82
1/2.	1 .	14	2,94	1,38	1,07
1/2.	1 3/16.	12	3,08	1,47	1,25
5/8.	1 .	14	3	1,35	1,08
5/8.	1 3/16.	12	3,2	1,53	1,25
3/4.	1 3/16.	12	3,36	1,5	1,38
3/4.	1 7/16.	12	3,58	1,75	1,5
1 .	1 7/16.	12	3,88	1,63	1,5

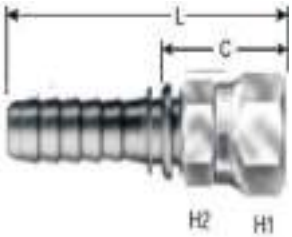
Macho SAE 100 R13 T.G



R13	NPT(")	Rosca(hilos/")	L(")	C(")	H(")
1/4.	1/4.	18	2,64	1,13	0,63
1/4.	3/8.	18	2,68	1,19	0,68
3/8.	3/8.	18	2,75	1,23	0,75
1/2.	1/2.	14	3,07	1,44	0,88
3/4.	3/4.	14	3,48	1,51	1,07
1 .	1 .	11 1/2	3,88	1,68	1,38
1 1/4.	1 1/4.	11 1/2	4,51	2	1,75
1 1/2.	1 1/2.	11 1/2	4,98	2,13	2
2 .	2 .	11 1/2	6,06	2,38	2,5

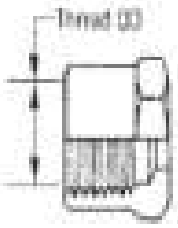
Hembra SAE 100 R13 T.G JIC

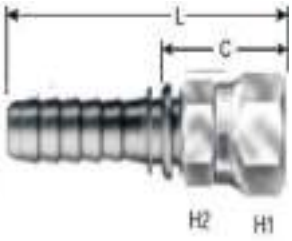




R13	JIC(")	Rosca(Hilos/")	L(")	C(")	H2(")	H1(")
1/4.	9/16.	18	2,58	1,12	0,68	0,75
3/8.	9/16.	18	2,58	1,12	0,68	0,75
1/2.	3/4.	16	2,96	1,38	0,82	0,88
3/4.	1 1/16.	12	3,31	1,47	1,07	1,13
1 .	1 5/16.	12	3,86	1,6	1,25	1,5
1 1/4.	1 5/8.	12	4,31	1,88	1,63	2
1 1/2.	1 7/8.	12	4,88	2,07	1,87	2,28

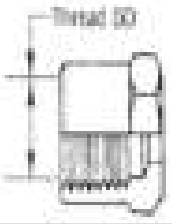
Hembra SAE 100 R13 T.G NPS





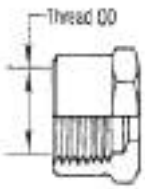
R13	NPS(")	Rosca(Hilos/")	L(")	C(")	H2(")	H1(")
1/4.	1/4.	18	2,58	1,12	0,68	0,75
3/8.	3/8.	18	2,58	1,12	0,82	0,75
1/2.	1/2.	14	2,96	1,38	0,94	0,88
3/4.	3/4.	14	3,31	1,47	1,07	1,13
1 .	1 .	11 1/2	3,86	1,6	1,25	1,5
1 1/4.	1 1/4.	11 1/2	4,31	1,88	1,63	2
1 1/2.	1 1/2.	11 1/2	4,88	2,07	1,87	2,28

Hembra SAE 100R13T.G NPS45°



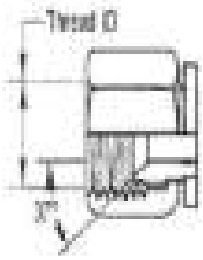
R13	NPS(")	Rosca(Hilos/")	L(")	C(")	Y(")	H2(")
3/8.	3/8.	18	3,31	1,78	0,82	0,82

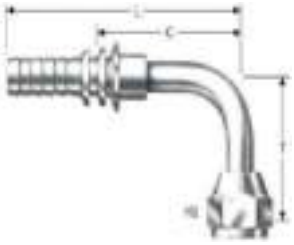
Hembra SAE 100R13T.G NPS90°



R13	NPS(")	Rosca(Hilos/")	L(")	C(")	T(")	H2(")
1/4.	1/4.	18	2,93	1,47	1,4	0,68
3/8.	3/8.	18	3,15	1,57	1,46	0,82
3/8.	1/2.	16	3,07	1,62	1,57	0,94

Hembra SAE 100R13T.G JIC90°



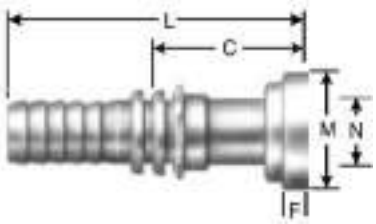


R13	JIC(")	Rosca(Hilos/")	L(")	C(")	T(")	H2(")
3/4.	1 1/16.	12	3,58	2,6	2,39	1,25
1 1/2.	1 7/8.	12	5,96	3,53	3,14	2

Capsula SAE 100 R13

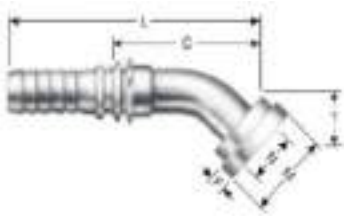
DIAMETRO	L (")
1/4.	1,57
3/8.	1,69
1/2.	1,78
3/4.	2,09
1 .	2,5
1 1/4.	2,89
1 1/2.	3,07
2 .	3,94

Flanches SAE 100 R13



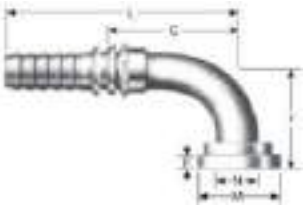
Diam	N(")	M(")	L(")	C(")	F(")
3/4.	0,94	1 5/8.	4,08	2,18	0,56
1 .	1,18	1 7/8.	4,58	2,51	0,43
1 .	1,39	2 1/8.	4,74	2,51	0,43
1 1/4.	1,39	2 1/8.	4,25	2,68	0,43
1 1/2.	1,75	2 1/2.	5,88	3,1	0,51

Flanches SAE 100 R13 45°



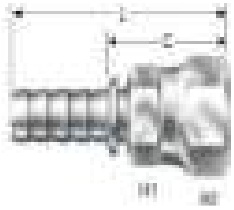
Diam.	N(")	M(")	L(")	C(")	F(")	T(")
1 .	1,25	1 3/4.	5,57	3,31	0,31	1,31
1 1 /4.	1,39	2 1/8.	6,28	3,63	0,43	1,63

Flanches SAE 100 R13 90°



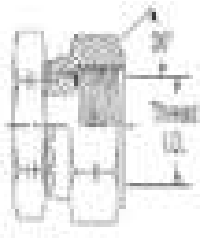
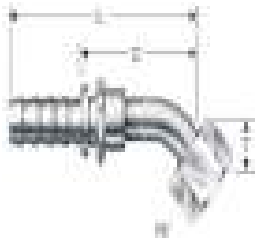
Diam.	N(")	M(")	L(")	C(")	F(")	T(")
3/4.	0,93	1 5/8.	4,31	2,5	0,38	1,63
1 .	1,23	1 3/4.	5,18	3,06	0,31	2,13
1 .	1,25	1 7/8.	5,25	3,13	0,38	2,31
1 .	1,42	2 .	5,25	3	0,31	2,31
1 1/4.	1,4	2 1/8.	6,57	3,81	0,43	2,7
1 1/2.	1,75	2 1/2.	7,03	4,25	0,43	3,14

Hembra SAE 100 R2 Komatsu

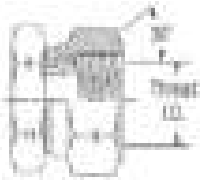
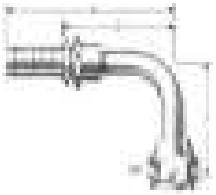

R2	JIS(mm)	Rosca(mm/")	L(")	C(")	H1(")	H2(")
1/4.	14	1,5	2,07	1,02	0,5	0,68
1/4.	18	1,5	2,23	1,15	0,68	0,88
3/8.	18	1,5	2,38	1,18	0,68	0,88
1/2.	22	1,5	2,65	1,4	0,88	1,07
5/8.	24	1,5	2,68	1,38	0,94	1,13
5/8.	26	1,5	2,76	1,4	1	1,25
3/4.	30	1,5	3	1,5	1,13	1,38
1 .	33	1,5	3,38	1,62	1,25	1,5

Hembra SAE100 R2 Komatsu 45°

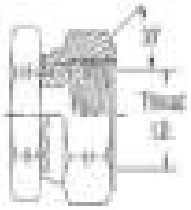

R2	JIS(mm)	Rosca(mm/")	L(")	C(")	T(")	H2(")
3/4.	30	1,5	4,25	2,81	1,23	1,39

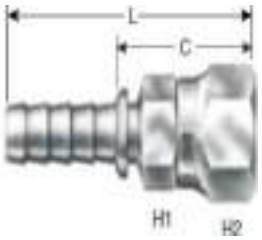
Hembra SAE100 R2 Komatsu 90°


R2	JIS(mm)	Rosca(mm/")	L(")	C(")	T(")	H2(")
1/4.	14	1,5	2,27	1,26	1,38	0,68
1/4.	18	1,5	2,29	1,29	1,62	0,88
3/8.	18	1,5	2,75	1,62	1,5	0,88
1/2.	22	1,5	3,21	1,88	1,85	1,07
5/8.	24	1,5	3,63	2,31	2,06	1,13
3/4.	30	1,5	4,02	2,53	2,31	1,38
1 .	33	1,5	5	3,25	2,75	1,5

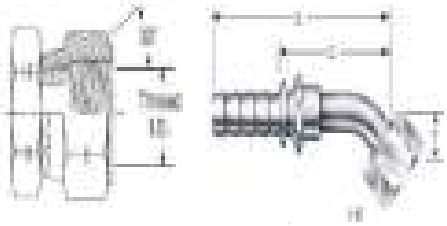
Hembra SAE 100 R9 Komatsu





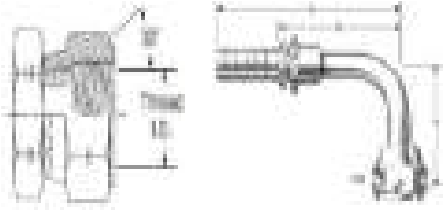
R9	JIS(mm)	Rosca(mm/")	L(")	C(")	H1(")	H2(")
3/8.	18	1,5	2,64	1,23	0,75	0,88
1/2.	22	1,5	2,88	1,31	0,82	1,07
5/8.	22	1,5	3,07	1,31	0,88	1,07
5/8.	24	1,5	3,07	1,38	0,94	1,13
5/8.	26	1,5	3,18	1,48	1,13	1,25
3/4.	30	1,5	3,38	1,5	1,13	1,39
1 .	33	1,5	3,88	1,63	1,25	1,5

Hembra SAE100 R9 Kom tsu45°



R9	JIS(mm)	Rosca(mm/")	L(")	C(")	T(")	H2(")
3/8.	18	1,5	3,18	1,8	0,82	0,88
3/4.	30	1,5	4,65	2,75	1,18	1,38

Hembra SAE100R9 Komatsu90°

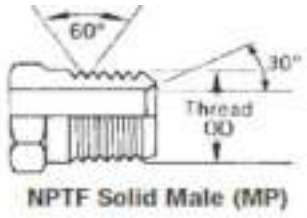


R9	JIS(mm)	Rosca(mm/")	L(")	C(")	T(")	H2(")
3/8.	18	1,5	3	1,52	1,62	0,88
1/2.	22	1,5	3,43	1,81	1,88	1,07
5/8.	24	1,5	4	2,31	2,12	1,13
3/4.	30	1,5	4,5	2,6	2,31	1,38
1 .	33	1,5	5,25	3,07	2,8	1,5

Capsula para freno

DIAMETRO	L (")
1/4.	0,85
3/8.	1
1/2.	1,13

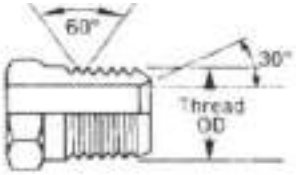
tapon macho NPT



NPTF Solid Male (MP)

NPT (pulg)	ROSCA(hilos/pulg)
1 / 8.	27
1 / 4.	18
3 / 8.	18
1 / 2.	14
3 / 4.	14
1 .	11 1/2
1 1 / 4.	11 1/2
1 1 / 2.	11 1/2
2 .	11 1/2

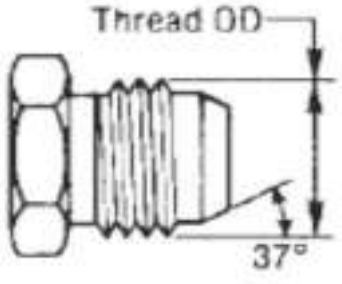
Macho NPT a macho NPT



NPTF Solid Male (MP)

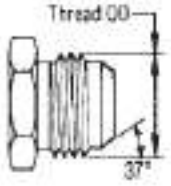
NPT (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
1 / 8.	27	1 / 8.	27
1 / 4.	18	1 / 8.	27
1 / 4.	18	1 / 4.	18
3 / 8.	18	1 / 4.	18
3 / 8.	18	3 / 8.	18
1 / 2.	14	1 / 4.	18
1 / 2.	14	3 / 8.	18
1 / 2.	14	1 / 2.	14
3 / 4.	14	1 / 2.	14
3 / 4.	14	3 / 4.	14
1 .	11 1/2	3 / 4.	14
1 .	11 1/2	1 .	11 1/2
1 1 / 4.	11 1/2	1 1 / 4.	11 1/2
1 1 / 2.	11 1/2	1 1 / 2.	11 1/2
2 .	11 1/2	2 .	11 1/2

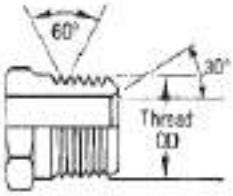
Macho JIC a macho JIC



JIC (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	7 / 16.	20
7 / 16.	20	9 / 16.	18
1 / 2.	20	1 / 2.	20
9 / 16.	18	9 / 16.	18
9 /16.	18	3 / 4.	16
3 / 4.	16	3 / 4.	16
3 / 4.	16	7 / 8.	14
7 / 8.	14	7 / 8.	14
7 / 8.	14	1 1/ 16.	12
1 1/16.	12	1 1/ 16.	12
1 5/16	12	1 5/ 16.	12
1 5/8.	12	1 5/ 8.	12
1 7/8.	12	1 7/ 8.	12
2 1/2.	12	2 1/2.	12

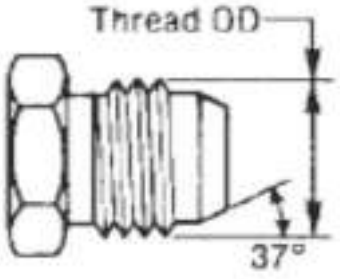
Macho JIC a macho NPT





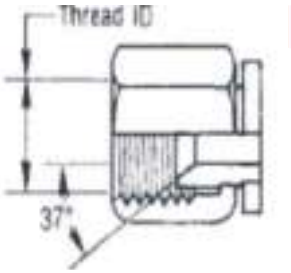
JIC (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	1 /8.	27
7 / 16.	20	1 /4.	18
7 / 16.	20	3/ 8.	18
1 / 2.	20	1/ 8.	27
1 / 2.	20	1 /4.	18
1 / 2.	20	3 /8.	18
9 / 16.	18	1/ 8.	27
9 / 16.	18	1 /4.	18
9 / 16.	18	3 /8.	18
9 / 16.	18	1 /2.	14
3 / 4.	16	1 /4.	18
3 / 4.	16	3 /8.	18
3 / 4.	16	1 /2.	14
3 / 4.	16	3 /4.	14
7 / 8.	14	3 /8.	18
7 / 8.	14	1 /2.	14
7 / 8.	14	3 /4.	14
1 1/16.	12	1 /2.	14
1 1/16.	12	3 /4.	14
1 1/16.	12	1 .	11 1/2.
1 5/16.	12	3 /4.	14
1 5/16.	12	1 .	11 1/2.
1 5/16.	12	1 1 /4.	11 1/2.
1 5/ 8.	12	1 .	11 1/2.
1 5/ 8.	12	1 1 /4.	11 1/2.
1 5/ 8.	12	1 1 /2.	11 1/2.
1 7/ 8.	12	1 1 /4.	11 1/2.
1 7/ 8.	12	1 1 /2.	11 1/2.
2 1/ 2.	12	2 .	11 1/2.

Tapon macho JIC



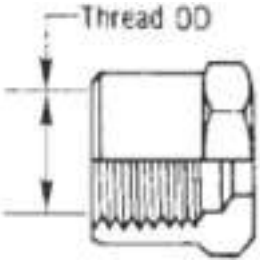
JIC (pulg)	ROSCA (hilos/pulg)
7 /16.	20
1 /2.	20
9 /16.	18
3 /4.	16
7 /8.	14
1 1 /16.	12
1 3 /16.	12
1 5 /16.	12
1 5 /8.	12
1 7 /8.	12
2 1 /2.	12

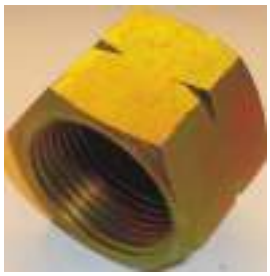
Tapon hembra JIC



JIC (pulg)	ROSCA (hilos/pulg)
7 /16.	20
1 /2.	20
9 /16.	18
3 /4.	16
7 /8.	14
1 1 /16.	12
1 3 /16.	12
1 5 /16.	12
1 5 /8.	12
1 7 /8.	12
2 1 /2.	12

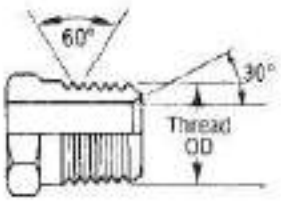
Tapon hembra NPT



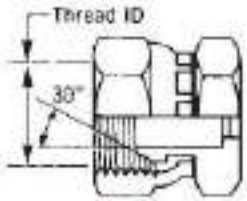


NPT (pulg)	ROSCA (hilos/pulg)
1 / 8.	27
1 / 4.	18
3 / 8.	18
1 / 2.	14
3 / 4.	14
1 .	11 1/2
1 1 / 4.	11 1/2
1 1 / 2.	11 1/2
2 .	11 1/2

Adaptador Macho NPT Hembra NPS



NPTF Solid Male (MP)



NPSM Swivel Female (FPX)

NPT (pulg)	ROSCA (hilos/pulg)	NPS (pulg)	ROSCA (hilos/pulg)
1 / 8.	27	1 / 8.	27
1 / 8.	18	1 / 4.	27
1 / 4.	18	1 / 4.	18
1 / 4.	18	3 / 8.	18
3 / 8.	18	1 / 4.	18
3 / 8.	18	3 / 8.	18
3 / 8.	18	1 / 2.	14
1 / 2.	14	3 / 8.	18
1 / 2.	14	1 / 2.	14
1 / 2.	14	3 / 4.	14
3 / 4.	14	1 / 2.	14
3 / 4.	14	3 / 4.	14
3 / 4.	14	1 .	11 1/2
1 .	11 1/2	3 / 4.	11 1/2
1 .	11 1/2	1 .	11 1/2
1 .	11 1/2	1 1 / 4.	11 1/2
1 1 / 4.	11 1/2	1 1 / 4.	11 1/2
1 1 / 2.	11 1/2	1 1 / 2.	11 1/2
2 .	11 1/2	2 .	11 1/2

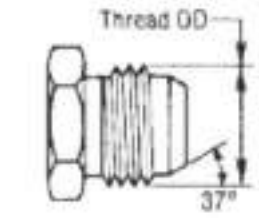
Adaptador Macho NPT Hembra JIC

NPT (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
1 / 8.	27	7 / 16.	20
1 / 4.	18	7 / 16.	20
1 / 4.	18	9 / 16.	18
3 / 8.	18	9 / 16.	18
3 / 8.	18	3 / 4.	16
1 / 2.	14	3 / 4.	16
3 / 4.	14	1 1 /16.	12
1 .	11 1/2	1 5 /16.	12
1 1 / 4.	11 1/2	1 5 / 8.	12
1 1 / 2.	11 1/2	1 7 / 8.	12
2 .	11 1/2	2 1 / 2 .	12

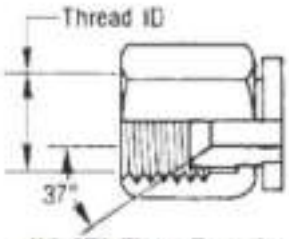
Adaptador Macho JIC Hembra JIC

JIC (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	7 / 16.	20
9 / 16.	18	9 / 16.	18
3 / 4.	16	3 /4.	14
7 / 8.	14	7/ 8.	14
1 1/16.	12	1 1/ 16.	12
1 5/16.	12	1 5/ 16.	12
1 5/8.	12	1 5/ 8.	12

Adaptador Macho JIC Hembra JIC fijo



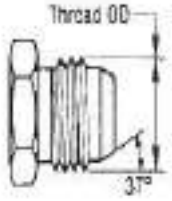
JIC 37° Male (MJ, MJLN)



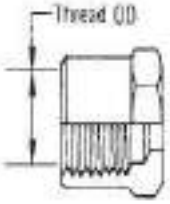
JIC 37° Flare Female

JIC (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	7 / 16.	20
9 / 16.	18	9 / 16.	18
3 / 4.	16	3 /4.	14
7 / 8.	14	7/ 8.	14
1 1/16.	12	1 1/ 16.	12
1 5/16.	12	1 5/ 16.	12
1 5/8.	12	1 5/ 8.	12

Adaptador Macho JIC Hembra NPT fijo



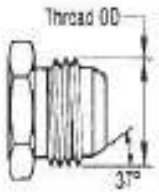
JIC 37° Male (MJ, MJLN)



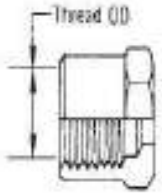
NPTF or NPSF Solid Female (FP)

JIC (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
7 /16.	20	1/8.	27
7 /16.	20	1/4.	18
1 /2.	20	1/8.	27
1 /2.	20	1/4.	18
9 /16.	18	1/4.	18
9 /16.	18	3/8.	18
3 /4.	16	3/8.	18
3 /4.	16	1/2.	18
7 /8.	14	3/8.	14
7 /8.	14	1/2.	18
1 1/16.	12	1/2.	14
1 1/16.	12	3/4.	14
1 5/16.	12	1 .	11
1 5/8.	12	1 1/4.	11
1 7/8.	12	1 1/2.	11
2 1/2.	12	2 .	11

Adaptador Macho JIC Hembra NPS



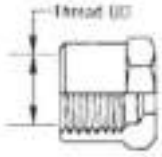
JIC 37° Male (MJ, MJLN)



NPTF or NPSF Solid Female (FP)

JIC (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
7 /16.	20	1/8.	27
7 /16.	20	1/4.	18
1 /2.	20	1/8.	27
1 /2.	20	1/4.	18
9 /16.	18	1/4.	18
9 /16.	18	3/8.	18
3 /4.	16	3/8.	18
3 /4.	16	1/2.	18
7 /8.	14	3/8.	14
7 /8.	14	1/2.	18
1 1/16.	12	1/2.	14
1 1/16.	12	3/4.	14
1 5/16.	12	1 .	11
1 5/8.	12	1 1/4.	11
1 7/8.	12	1 1/2.	11
2 1/2.	12	2 .	11

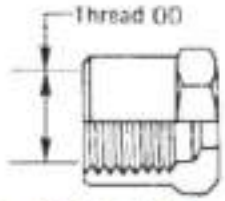
Adaptador Hembra NPT Hembra NPT



NPTF or NPSF Solid Female (FP)

NPT (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
1 /8.	27	1 /8.	27
1 /4.	18	1 /4.	18
3 /8.	18	3 /8.	18
1 /2.	14	1 /2.	14
3 /4.	14	3 /4.	14
1 .	11 1/2	1 .	11 1/2
1 1/4.	11 1/2	1 1/4.	11 1/2
1 1/2.	11 1/2	1 1/2.	11 1/2
2 .	11 1/2	2 .	11 1/2

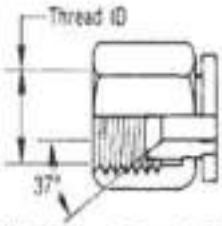
Adaptador Hembra NPS Hembra NPT



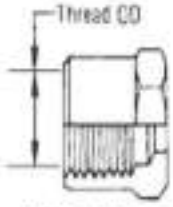
NPTF or NPSF Solid Female (FP)

NPS(pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
1 /8.	27	1 /8.	27
1 /4.	18	1 /4.	18
3 /8.	18	3 /8.	18
1 /2.	14	1 /2.	14
3 /4.	14	3 /4.	14
1 .	11 1/2	1 .	11 1/2
1 1/4.	11 1/2	1 1/4.	11 1/2
1 1/2.	11 1/2	1 1/2.	11 1/2
2 .	11 1/2	2 .	11 1/2

Adaptador Hembra JIC Hembra NPT



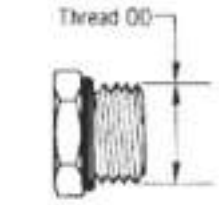
JIC 37° Flare Female (FJX)



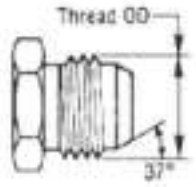
NPTF or NPSF Solid Female (FP)

JIC (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
7 /16.	20	1/8.	27
7 /16.	20	1/4.	18
9/ 16.	18	3/8.	18
3 /4.	16	3/8.	18
3 /4.	16	1/2.	14
7 /8.	14	1/2.	14
1 1/16.	12	3/4.	14
1 5/16.	12	1 .	11 1/2
1 5/8.	12	1 1/4.	11 1/2

Adaptador macho SAE O´ring macho JIC



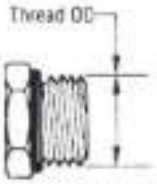
O-Ring Boss Male (MB)



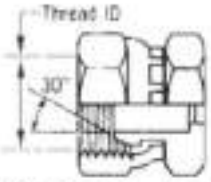
JIC 37° Male (MJ, MJLN)

O´Ring (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7/16.	20	7/16.	20
7/16.	20	9/16.	18
1/2.	20	3/8.	24
1/2.	20	7/16.	20
1/2.	20	1/2.	20
1/2.	20	9/16.	18
9/16.	18	7/16.	20
9/16.	18	9/16.	18
9/16.	18	3/4.	16
9/16.	18	7/8.	14
3/4.	16	9/16.	18
3/4.	16	3/4.	16
3/4.	16	7/8.	14
3/4.	16	1 1/16.	12
7/8.	14	9/16.	18
7/8.	14	3/4.	16
7/8.	14	7/8.	14
1 1/16.	12	3/4.	16
1 1/16.	12	7/8.	14
1 1/16.	12	1 1/16.	12
1 1/16.	12	1 5/16.	12
1 5/16.	12	7/8.	14
1 5/16.	12	1 1/16.	12
1 5/16.	12	1 5/16.	12
1 5/8.	12	7/8.	14
1 5/8.	12	1 1/16.	12
1 5/8.	12	1 5/16.	12
1 5/8.	12	1 5/8.	12

Adaptador macho SAE O´ring hembra NPS



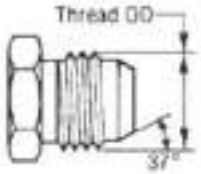
O-Ring Boss Male (MB)



NPSM Swivel Female (FPX)

O´Ring (pulg)	ROSCA (hilos/pulg)	NPS (pulg)	ROSCA (hilos/pulg)
7/16.	20	1/4.	18
1/2.	20	1/4.	18
9/16.	18	1/4.	18
9/16.	18	3/8.	18
3/4.	16	1/4.	18
3/4.	16	3/8.	14
3/4.	16	1/2.	14
3/4.	16	3/4.	18
7/8.	14	3/8.	14
7/8.	14	1/2.	14
7/8.	14	3/4.	14
1 1/16.	12	1/2.	14
1 1/16.	12	3/4.	14
1 3/16.	12	3/4.	14
1 5/16.	12	1 .	11 1/2.

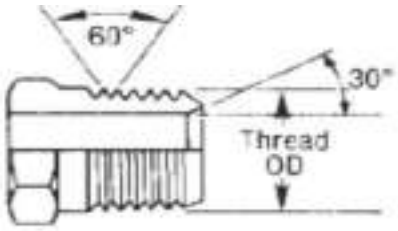
Adaptador macho JIC macho pasamuro



JIC 37° Male (MJ, MJLN)

JIC (pulg)	ROSCA (hilos/pulg)	Pasamuro (pulg)	ROSCA (hilos/pulg)
7/16.	20	7/16.	20
1/2.	20	1/2.	20
9/16.	18	9/16.	18
3/4.	16	3/4.	16
7/8.	14	7/8.	14
1 1/16.	12	1 1/16.	12
1 5/16.	12	1 5/16.	12
1 5/8.	12	1 5/8.	12
1 7/8.	12	1 7/8.	12

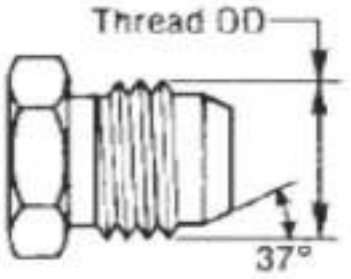
Macho NPT a macho NPT 90° o 45°



NPTF Solid Male (MP)

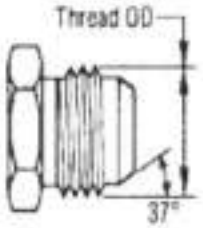
NPT (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
1 / 8.	27	1 / 8.	27
1 / 4.	18	1 / 8.	27
1 / 4.	18	1 / 4.	18
3 / 8.	18	1 / 4.	18
3 / 8.	18	3 / 8.	18
1 / 2.	14	1 / 4.	18
1 / 2.	14	3 / 8.	18
1 / 2.	14	1 / 2.	14
3 / 4.	14	1 / 2.	14
3 / 4.	14	3 / 4.	14
1 .	11 1/2	3 / 4.	14
1 .	11 1/2	1 .	11 1/2
1 1 / 4.	11 1/2	1 1 / 4.	11 1/2
1 1 / 2.	11 1/2	1 1 / 2.	11 1/2
2 .	11 1/2	2 .	11 1/2

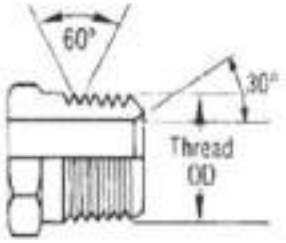
Macho JIC a macho JIC 90° o 45°



JIC (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	7 / 16.	20
1 / 2.	20	1 / 2.	20
9 / 16.	18	9 / 16.	18
3 / 4.	16	3 / 4.	16
7 / 8.	14	7 / 8.	14
1 1/16.	12	1 1/ 16.	12
1 5/16	12	1 5/ 16.	12
1 5/8.	12	1 5/ 8.	12
1 7/8.	12	1 7/ 8.	12
2 1/2.	12	2 1/2.	12

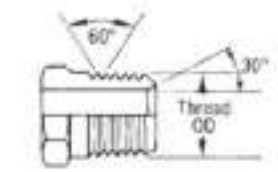
Macho JIC a macho NPT 90° o 45°



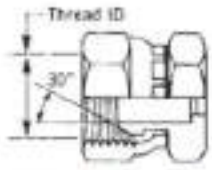


JIC (pulg)	ROSCA (hilos/pulg)	NPT (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	1 /8.	27
7 / 16.	20	1 /4.	18
7 / 16.	20	3/ 8.	18
1 / 2.	20	1/ 8.	27
1 / 2.	20	1 /4.	18
1 / 2.	20	3 /8.	18
9 / 16.	18	1/ 8.	27
9 / 16.	18	1 /4.	18
9 / 16.	18	3 /8.	18
9 / 16.	18	1 /2.	14
3 / 4.	16	1 /4.	18
3 / 4.	16	3 /8.	18
3 / 4.	16	1 /2.	14
3 / 4.	16	3 /4.	14
7 / 8.	14	3 /8.	18
7 / 8.	14	1 /2.	14
7 / 8.	14	3 /4.	14
1 1/16.	12	1 /2.	14
1 1/16.	12	3 /4.	14
1 1/16.	12	1 .	11 1/2.
1 5/16.	12	3 /4.	14
1 5/16.	12	1 .	11 1/2.
1 5/16.	12	1 1 /4.	11 1/2.
1 5/ 8.	12	1 .	11 1/2.
1 5/ 8.	12	1 1 /4.	11 1/2.
1 5/ 8.	12	1 1 /2.	11 1/2.
1 7/ 8.	12	1 1 /4.	11 1/2.
1 7/ 8.	12	1 1 /2.	11 1/2.
2 1/ 2.	12	2 .	11 1/2.

Adaptador Macho NPT Hembra NPS 90° y 45°



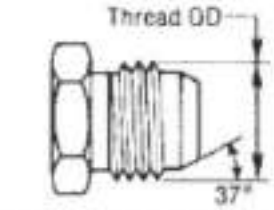
NPTF Solid Male (MP)



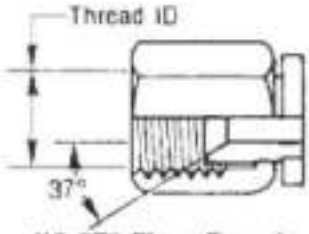
NPSM Swivel Female (FPX)

NPT(pulg)	ROSCA (hilos/pulg)	NPS(pulg)	ROSCA (hilos/pulg)
1 / 8.	27	1 / 8.	27
1 / 8.	18	1 / 4.	27
1 / 4.	18	1 / 4.	18
1 / 4.	18	3 / 8.	18
3 / 8.	18	1 / 4.	18
3 / 8.	18	3 / 8.	18
3 / 8.	18	1 / 2.	14
1 / 2.	14	3 / 8.	18
1 / 2.	14	1 / 2.	14
1 / 2.	14	3 / 4.	14
3 / 4.	14	1 / 2.	14
3 / 4.	14	3 / 4.	14
3 / 4.	14	1 .	11 1/2
1 .	11 1/2	3 / 4.	11 1/2
1 .	11 1/2	1 .	11 1/2
1 .	11 1/2	1 1 / 4.	11 1/2
1 1 / 4.	11 1/2	1 1 / 4.	11 1/2
1 1 / 2.	11 1/2	1 1 / 2.	11 1/2
2 .	11 1/2	2 .	11 1/2

Adaptador Macho JIC Hembra JIC a 90° o 45°



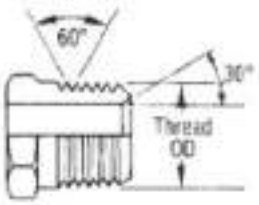
JIC 37° Male (MJ, MJLN)



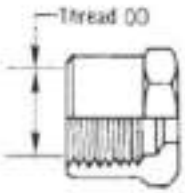
JIC 37° Flare Female

JIC (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7 / 16.	20	7 / 16.	20
9 / 16.	18	9 / 16.	18
3 / 4.	16	3 /4.	14
7 / 8.	14	7/ 8.	14
1 1/16.	12	1 1/ 16.	12
1 5/16.	12	1 5/ 16.	12
1 5/8.	12	1 5/ 8.	12

Adaptador Macho NPT Hembra NPT 90° y 45°



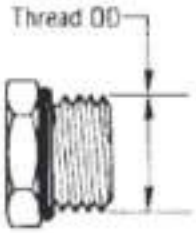
NPTF Solid Male (MP)



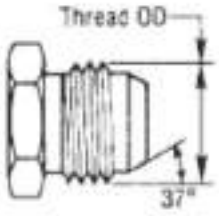
NPTF or NPSF Solid Female (FP)

NPT(pulg)	ROSCA (hilos/pulg)	NPS(pulg)	ROSCA (hilos/pulg)
1 / 8.	27	1 / 8.	27
1 / 8.	18	1 / 4.	27
1 / 4.	18	1 / 4.	18
1 / 4.	18	3 / 8.	18
3 / 8.	18	1 / 4.	18
3 / 8.	18	3 / 8.	18
3 / 8.	18	1 / 2.	14
1 / 2.	14	3 / 8.	18
1 / 2.	14	1 / 2.	14
1 / 2.	14	3 / 4.	14
3 / 4.	14	1 / 2.	14
3 / 4.	14	3 / 4.	14
3 / 4.	14	1 .	11 1/2
1 .	11 1/2	3 / 4.	11 1/2
1 .	11 1/2	1 .	11 1/2
1 .	11 1/2	1 1 / 4.	11 1/2
1 1 / 4.	11 1/2	1 1 / 4.	11 1/2
1 1 / 2.	11 1/2	1 1 / 2.	11 1/2
2 .	11 1/2		11 1/2

Adaptador macho SAE O´ring macho JIC 90 o 45°



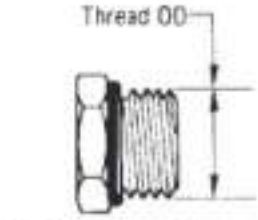
O-Ring Boss Male (MB)



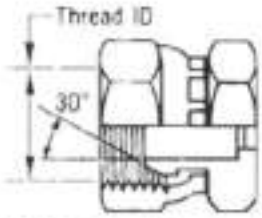
JIC 37° Male (MJ, MJLN)

O´Ring (pulg)	ROSCA (hilos/pulg)	JIC (pulg)	ROSCA (hilos/pulg)
7/16.	20	7/16.	20
7/16.	20	9/16.	18
1/2.	20	3/8.	24
1/2.	20	7/16.	20
1/2.	20	1/2.	20
1/2.	20	9/16.	18
9/16.	18	7/16.	20
9/16.	18	9/16.	18
9/16.	18	3/4.	16
9/16.	18	7/8.	14
3/4.	16	9/16.	18
3/4.	16	3/4.	16
3/4.	16	7/8.	14
3/4.	16	1 1/16.	12
7/8.	14	9/16.	18
7/8.	14	3/4.	16
7/8.	14	7/8.	14
1 1/16.	12	3/4.	16
1 1/16.	12	7/8.	14
1 1/16.	12	1 1/16.	12
1 1/16.	12	1 5/16.	12
1 5/16.	12	7/8.	14
1 5/16.	12	1 1/16.	12
1 5/16.	12	1 5/16.	12
1 5/8.	12	7/8.	14
1 5/8.	12	1 1/16.	12
1 5/8.	12	1 5/16.	12
1 5/8.	12	1 5/8.	12

Adaptador SAE O´ring hembra NPS 90° o 45°



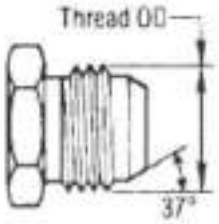
O-Ring Boss Male (MB)



NPSM Swivel Female (FPX)

O´Ring (pulg)	ROSCA (hilos/pulg)	NPS(pulg)	ROSCA (hilos/pulg)
7/16.	20	1/4.	18
1/2.	20	1/4.	18
9/16.	18	1/4.	18
9/16.	18	3/8.	18
3/4.	16	1/4.	18
3/4.	16	3/8.	14
3/4.	16	1/2.	14
3/4.	16	3/4.	18
7/8.	14	3/8.	14
7/8.	14	1/2.	14
7/8.	14	3/4.	14
1 1/16.	12	1/2.	14
1 1/16.	12	3/4.	14
1 3/16.	12	3/4.	14
1 5/16.	12	1 .	11 1/2.

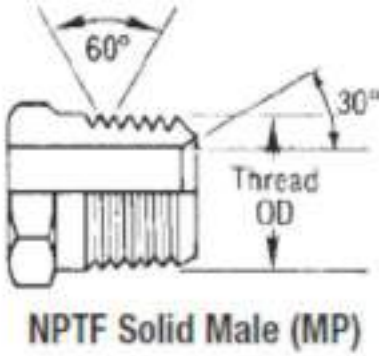
T macho macho macho JIC



JIC 37° Male (MJ, MJLN)

JIC (pulg)	ROSCA (hilos/pulg)
7/16.	20
1/2.	20
9/16.	18
3/4.	18
7/8.	16
1 1/16.	14
1 5/16.	12
1 5/8.	12

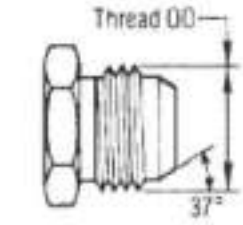
T macho macho macho NPT



NPTF Solid Male (MP)

NPT (pulg)	ROSCA (hilos/pulg)
1/8.	27
1/4.	18
3/8.	18
1/2.	14
3/4.	14
1 .	11 1/2.
1 1/4.	11 1/2.
1 1/2.	11 1/2.

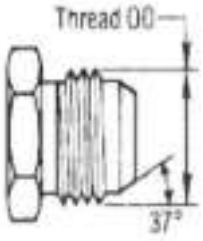
T macho hembra macho JIC



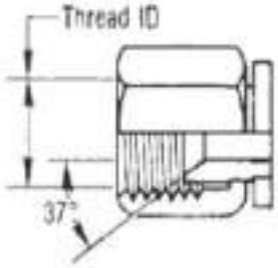
JIC 37° Male (MJ, MJLN)

JIC (pulg)	ROSCA (hilos/pulg)
7/16.	20
1/2.	20
9/16.	18
3/4.	18
7/8.	16
1 1/16.	14
1 5/16.	12
1 5/8.	12

T macho hembra hembra JIC



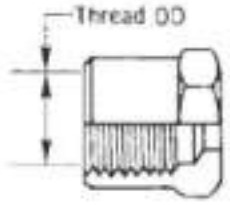
JIC 37° Male (MJ, MJLN)



JIC 37° Flare Female (FJX)

JIC (pulg)	ROSCA (hilos/pulg)
7/16.	20
1/2.	20
9/16.	18
3/4.	18
7/8.	16
1 1/16.	14
1 5/16.	12
1 5/8.	12

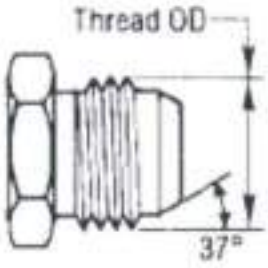
T Hembra hembra hembra NPT



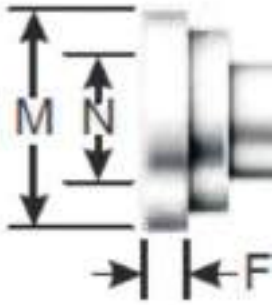
NPTF or NPSF Solid Female (FP)

NPT (pulg)	ROSCA (hilos/pulg)
1/8.	27
1/4.	18
3/8.	18
1/2.	14
3/4.	14
1 .	11 1/2.
1 1/4.	11 1/2.
1 1/2.	11 1/2.

Adaptador flanche JIC

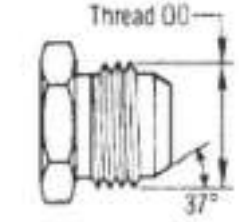


JIC 37° Male (MJ, MJLN)

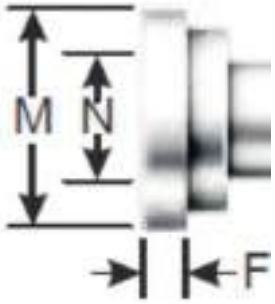


N (pulg)	M (pulg)	F (pulg)	JIC (pulg) rosca
1/2.	1 3/16.	0,27	3/4. 16
1/2.	1 3/16.	0,27	7/8. 12
3/4.	1 1/2.	0,27	1 1/16. 12
1 .	1 3/4.	0,32	1 5/16. 12
1 1/4.	2 .	0,32	1 5/8. 12
1 1/2.	2 3/8.	0,32	1 7/8. 12

Adaptador flanche JIC 90°

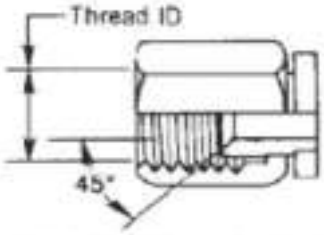


JIC 37° Male (MJ, MJLN)



N (pulg)	M (pulg)	F (pulg)	JIC (pulg) rosca
1/2.	1 3/16.	0,27	3/4. 16
1/2.	1 3/16.	0,27	7/8. 12
3/4.	1 1/2.	0,27	1 1/16. 12
1 .	1 3/4.	0,32	1 5/16. 12
1 1/4.	2 .	0,32	1 5/8. 12
1 1/2.	2 3/8.	0,32	1 7/8. 12

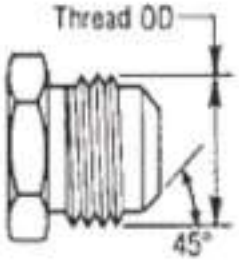
Hembras tipo SAE 45°



SAE 45° Flare Swivel

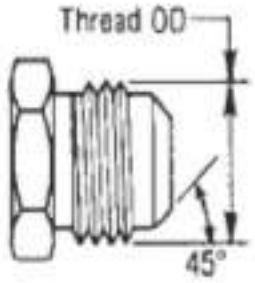
Espigo	Tipo	SAE	Angulo
5/16.	R5	5/8.	recto
5/16.	R2	5/8.	recto
3/8.	R2	5/8.	recto
5/16.	R2	5/8.	45°
3/8.	R2	5/8.	45°
5/16.	R2	5/8.	90°
3/8.	R2	5/8.	90°
3/8.	R9	5/8.	recto
3/8.	R9	5/8.	45°
3/8.	R9	5/8.	90°
3/8.	freno RU	5/8.	recto

Machos tipo SAE 45°



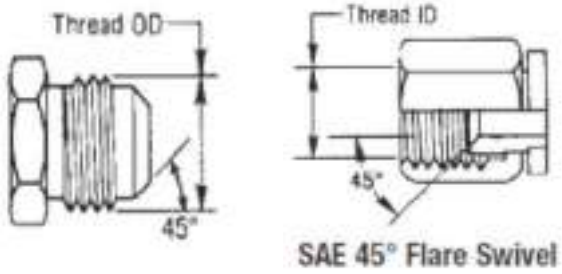
Espigo	Tipo	SAE	Angulo
5/16.	R2	5/8.	recto
3/8.	R2	5/8.	recto
3/8.	R9	5/8.	recto

Adaptadores tipo SAE 45°



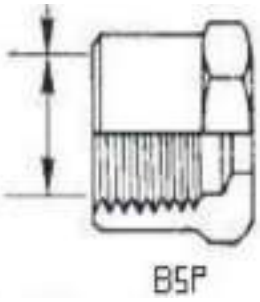
Espigo	Tipo	SAE	Angulo
1/2.	o´ring	5/8.	recto
9/16.	o´ring	5/8.	recto
5/8.	o´ring	5/8.	recto
3/4.	o´ring	5/8.	recto
7/8.	o´ring	5/8.	recto
9/16.	o´ring	5/8.	45°
5/8.	o´ring	5/8.	45°
3/4.	o´ring	5/8.	45°
7/16.	o´ring	5/8.	90°
1/2.	o´ring	5/8.	90°
9/16.	o´ring	5/8.	90°
5/8.	o´ring	5/8.	90°
3/4.	o´ring	5/8.	90°
7/8.	o´ring	5/8.	90°
1/8.	NPT	5/8.	recto
1/4.	NPT	5/8.	recto
3/8.	NPT	5/8.	recto
1/2.	NPT	5/8.	recto
3/4.	NPT	5/8.	recto
1/8.	NPT	5/8.	45°
1/4.	NPT	5/8.	45°
3/8.	NPT	5/8.	45°
1/2.	NPT	5/8.	45°
1/8.	NPT	5/8.	90°
1/4.	NPT	5/8.	90°
3/8.	NPT	5/8.	90°
1/2.	NPT	5/8.	90°
9/16.	JIC	5/8.	recto
5/8.	SAE	5/8.	recto
3/4.	JIC	5/8.	recto
7/8.	JIC	5/8.	recto
5/8.	SAE	5/8.	90°

Adaptadores MH tipo SAE 45°



Espigo	Tipo	SAE	Angulo
5/8.	SAE	5/8.	recto
5/8.	SAE	5/8.	90°
5/8.	SAE	5/8.	45°

Hembras tipo BSP



Espigo	Tipo	BSP	Angulo
5/8.	R2	5/8.	recto
5/8.	R2	5/8.	45°
5/8.	R2	5/8.	90°
5/8.	R9	5/8.	recto
5/8.	R9	5/8.	90°

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