

General Characteristics

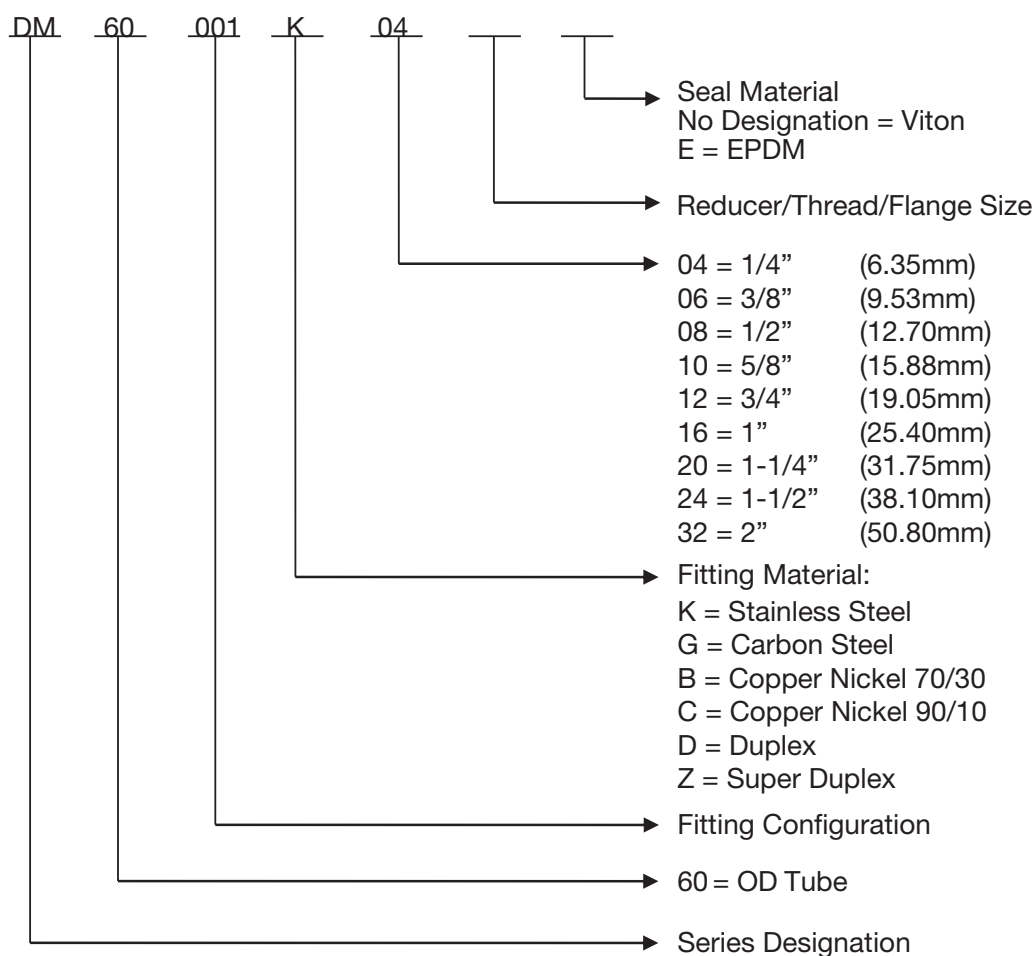
DM 60 Series – OD Tube

Fitting Material Specifications	Material Specification
K = Stainless Steel	ASTM-A479/A182-316
G = Carbon Steel	ASTM-A105/A350 LF2
B = Copper Nickel 70/30	MIL-C71500
C = Copper Nickel 90/10	MIL-C70600
D = Duplex	ASTM-A479/A182-UNS31803
Z = Super Duplex	ASTM-A479/A182-UNS32750

O-Ring Material Specifications	O-Ring Temperature Limits
VITON (Brown Colour)	-15°F to 400°F (-26°C to 205°C)
EPDM (Black Colour)	-60°F to 400°F (-51°C to 205°C)

For seal compatibility and selection for each system consult factory. Other seal materials for specific applications of compatibility and temperature are available upon request.

Ordering Information

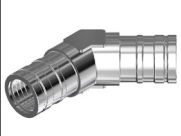
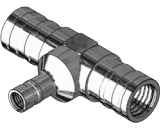
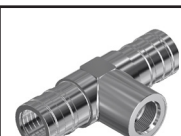


System design and safe application is the responsibility of the end-user. Consideration must be taken to confirm proper fitting selection is made to ensure proper compatibility, function and operation of the fitting within the piping system. The technical and performance information such as weights, dimensions and ratings in this catalogue supersede all previous published data. Tube-Mac® reserves the right to change technical data and product dimension, ratings and other aspects without notice.

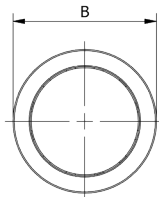
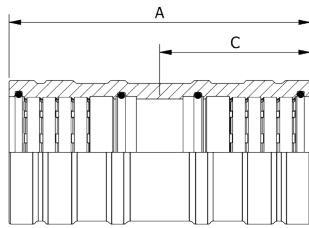
Standard Fitting Configuration Guide

DM 60 Series - OD Tube

1/4" to 2"

					
Coupling DM60001 Page D3	Coupling with Inner Stop DM60002 Page D3	90° Elbow DM60003 Page D4	45° Elbow DM60017 Page D4	Tee DM60004 Page D5	Reducing Tee DM60104 Page D6
					
Reducer DM60101 Page D7	End Cap DM60085 Page D8	Flange - ANSI 150# DM60018 Page D9	Flange - ANSI 300# DM60019 Page D9	Flange - ANSI 600# DM60027 Page D10	SAE Flange Body DM60090 Page D10
					
SAE Code 61 Flange DM60091 Page D11	SAE Code 62 Flange DM60092 Page D11	SAE Code 61 Tapped Flange DM60095 Page D12	SAE Code 62 Tapped Flange DM60096 Page D12	JIC 37° Male DM60055 Page D13	JIC 37° Female Swivel DM60054 Page D13
					
NPT Male DM60056 Page D14	NPT Female DM60060 Page D14	SAE Male DM60088 Page D15	SAE Female DM60087 Page D15	BSPP Male DM60153 Page D16	BSPP Female DM60086 Page D16
					
ORFS Male DM60010 Page D17	ORFS Female Swivel DM60020 Page D17	Weldable Bulkhead DM60089 Page D18	SAE Female Branch Tee DM60171 Page D18	BSPP Female Branch Tee DM60172 Page D19	NPT Female Branch Tee DM60173 Page D19

DM 60 Series – OD Tube

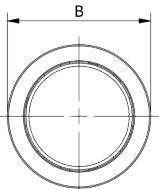
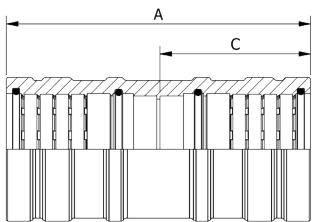


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60001G04

Coupling, OD Tube - DM60001

Size OD	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM60001*04	1.51 (38.35)	0.39 (9.91)	0.75 (19.05)	0.02 (0.01)
3/8"	DM60001*06	1.84 (46.74)	0.55 (13.97)	0.92 (23.37)	0.05 (0.02)
1/2"	DM60001*08	2.18 (55.37)	0.75 (19.05)	1.09 (27.69)	0.11 (0.05)
5/8"	DM60001*10	2.52 (64.01)	0.93 (23.62)	1.26 (32.00)	0.21 (0.10)
3/4"	DM60001*12	2.85 (72.39)	1.09 (27.69)	1.42 (36.07)	0.30 (0.14)
1"	DM60001*16	3.41 (86.61)	1.41 (35.81)	1.70 (43.18)	0.61 (0.28)
1-1/4"	DM60001*20	3.88 (98.55)	1.73 (43.94)	1.94 (49.28)	1.04 (0.47)
1-1/2"	DM80001*38	4.29 (108.97)	2.05 (52.07)	2.15 (54.61)	1.57 (0.71)
2"	DM60001*32	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	2.49 (1.13)



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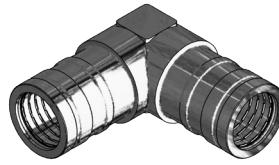
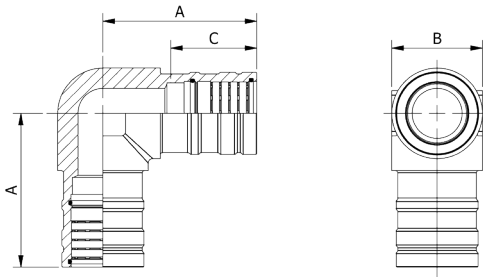
ORDER EXAMPLE:
DM60002G04

Coupling with Inner Stop, OD Tube - DM60002

Size OD	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM60002*04	1.56 (39.52)	0.39 (9.91)	0.75 (19.05)	0.02 (0.01)
3/8"	DM60002*06	1.89 (47.96)	0.55 (13.97)	0.92 (23.37)	0.05 (0.02)
1/2"	DM60002*08	2.23 (56.59)	0.75 (19.05)	1.09 (27.69)	0.11 (0.05)
5/8"	DM60002*10	2.57 (65.28)	0.93 (23.62)	1.26 (32.00)	0.21 (0.10)
3/4"	DM60002*12	2.90 (73.56)	1.09 (27.69)	1.42 (36.07)	0.30 (0.14)
1"	DM60002*16	3.46 (87.78)	1.41 (35.81)	1.70 (43.18)	0.61 (0.28)
1-1/4"	DM60002*20	3.93 (99.85)	1.73 (43.94)	1.94 (49.28)	1.04 (0.47)
1-1/2"	DM80002*38	4.34 (110.24)	2.05 (52.07)	2.15 (54.61)	1.57 (0.71)
2"	DM60002*32	5.05 (128.27)	2.58 (65.53)	2.50 (63.50)	2.49 (1.13)

3D step models available upon request

DM 60 Series – OD Tube

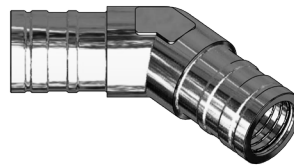
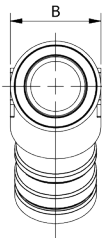
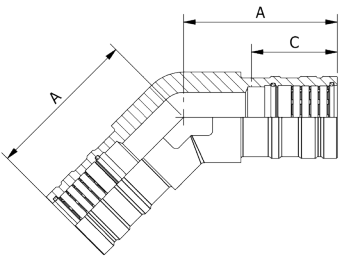


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ORDER EXAMPLE:
 DM60003G04

90° Elbow, OD Tube - DM60003

Size OD	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM60003*04	1.20 (30.43)	0.47 (11.94)	0.75 (19.05)	0.05 (0.02)
3/8"	DM60003*06	1.50 (38.10)	0.63 (16.00)	0.92 (23.37)	0.12 (0.05)
1/2"	DM60003*08	1.75 (44.45)	0.86 (21.84)	1.09 (27.69)	0.26 (0.12)
5/8"	DM60003*10	2.00 (50.80)	1.06 (26.92)	1.26 (32.00)	0.47 (0.21)
3/4"	DM60003*12	2.68 (68.07)	1.30 (33.02)	1.42 (36.07)	0.91 (0.41)
1"	DM60003*16	3.03 (76.96)	1.58 (40.13)	1.70 (43.18)	1.54 (0.70)
1-1/4"	DM60003*20	3.40 (86.36)	1.97 (50.04)	1.94 (49.28)	2.70 (1.22)
1-1/2"	DM80003*38	4.25 (107.95)	2.50 (63.50)	2.15 (54.61)	5.42 (2.46)
2"	DM60003*32	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	6.85 (3.11)



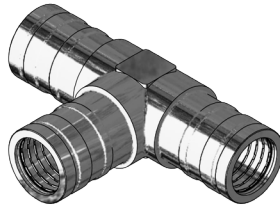
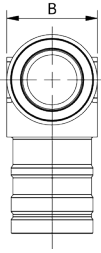
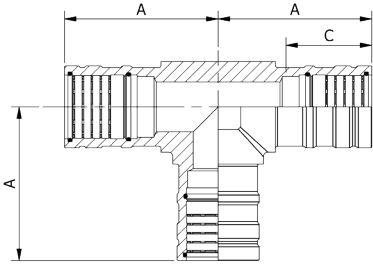
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ORDER EXAMPLE:
 DM60017G04

45° Elbow, OD Tube - DM60017

Size OD	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM60017*04	1.20 (30.43)	0.47 (11.94)	0.75 (19.05)	0.05 (0.02)
3/8"	DM60017*06	1.50 (38.10)	0.63 (16.00)	0.92 (23.37)	0.12 (0.05)
1/2"	DM60017*08	1.75 (44.45)	0.86 (21.84)	1.09 (27.69)	0.27 (0.12)
5/8"	DM60017*10	2.00 (50.80)	1.06 (26.92)	1.26 (32.00)	0.48 (0.22)
3/4"	DM60017*12	2.68 (68.07)	1.30 (33.02)	1.42 (36.07)	0.92 (0.42)
1"	DM60017*16	3.03 (76.96)	1.58 (40.13)	1.70 (43.18)	1.57 (0.71)
1-1/4"	DM60017*20	3.40 (86.36)	1.97 (50.04)	1.94 (49.28)	2.76 (1.25)
1-1/2"	DM80017*38	4.25 (107.95)	2.50 (63.50)	2.15 (54.61)	5.08 (2.30)
2"	DM60017*32	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	7.17 (3.25)

DM 60 Series – OD Tube

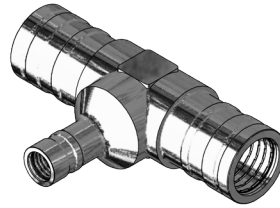
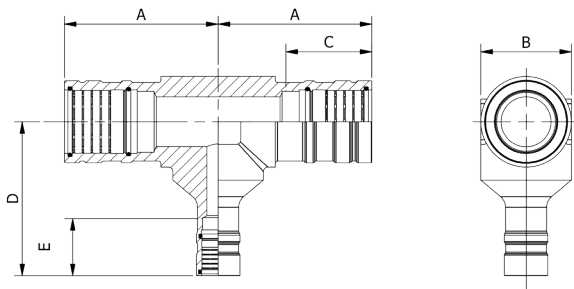


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ORDER EXAMPLE:
DM60004G04

Tee, OD Tube - DM60004					
Size OD	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM60004*04	1.20 (30.43)	0.47 (11.94)	0.75 (19.05)	0.07 (0.03)
3/8"	DM60004*06	1.50 (38.10)	0.63 (16.00)	0.92 (23.37)	0.16 (0.07)
1/2"	DM60004*08	1.75 (44.45)	0.86 (21.84)	1.09 (27.69)	0.35 (0.16)
5/8"	DM60004*10	2.00 (50.80)	1.06 (26.92)	1.26 (32.00)	0.63 (0.29)
3/4"	DM60004*12	2.68 (68.07)	1.30 (33.02)	1.42 (36.07)	1.22 (0.55)
1"	DM60004*16	3.03 (76.96)	1.58 (40.13)	1.70 (43.18)	2.08 (0.94)
1-1/4"	DM60004*20	3.40 (86.36)	1.97 (50.04)	1.94 (49.28)	3.48 (1.58)
1-1/2"	DM80004*38	4.25 (107.95)	2.50 (63.50)	2.15 (54.61)	6.61 (3.00)
2"	DM60004*32	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	9.19 (4.17)

DM 60 Series – OD Tube



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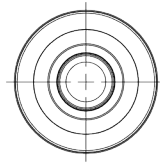
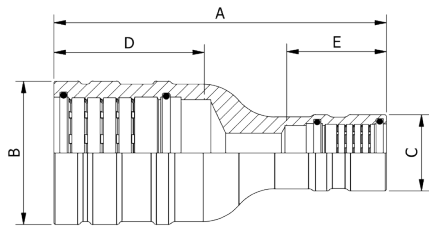
ORDER EXAMPLE:
DM60104G0604

Other configurations available.
 Contact factory for details.

Reducing Tee, OD Tube - DM60104

Run Size OD	Branch Size OD	Part Number	Dimensions - Inch (mm)					*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E Insertion Depth	
3/8"	1/4"	DM60104*0604	1.50 (38.10)	0.63 (16.00)	0.92 (23.37)	1.50 (38.10)	0.75 (19.05)	0.16 (0.07)
1/2"	1/4"	DM60104*0804	1.75 (44.45)	0.86 (21.84)	1.09 (27.69)	1.75 (44.45)	0.75 (19.05)	0.34 (0.15)
1/2"	3/8"	DM60104*0806	1.75 (44.45)	0.86 (21.84)	1.09 (27.69)	1.75 (44.45)	0.92 (23.37)	0.33 (0.15)
5/8"	3/8"	DM60104*1006	2.00 (50.80)	1.06 (26.92)	1.26 (32.00)	1.75 (44.45)	0.92 (23.37)	0.55 (0.25)
5/8"	1/2"	DM60104*1008	2.00 (50.80)	1.06 (26.92)	1.26 (32.00)	2.00 (50.80)	1.09 (27.69)	0.59 (0.27)
3/4"	5/8"	DM60104*1210	2.68 (68.07)	1.30 (33.02)	1.42 (36.07)	2.68 (68.07)	1.26 (32.00)	1.16 (0.53)
1"	1/2"	DM60104*1608	3.03 (76.96)	1.58 (40.13)	1.70 (43.18)	3.03 (76.96)	1.09 (27.69)	2.05 (0.93)
1"	5/8"	DM60104*1610	3.03 (76.96)	1.58 (40.13)	1.70 (43.18)	3.03 (76.96)	1.26 (32.00)	2.03 (0.92)
1"	3/4"	DM60104*1612	3.03 (76.96)	1.58 (40.13)	1.70 (43.18)	3.03 (76.96)	1.42 (36.07)	1.92 (0.87)
1-1/4"	1/2"	DM60104*2008	3.40 (86.36)	1.97 (50.04)	1.94 (49.28)	3.03 (76.95)	1.09 (27.69)	3.46 (1.57)
1-1/4"	3/4"	DM60104*2012	3.40 (86.36)	1.97 (50.04)	1.94 (49.28)	3.37 (85.60)	1.42 (36.07)	3.27 (1.48)
1-1/4"	1"	DM60104*2016	3.40 (86.36)	1.97 (50.04)	1.94 (49.28)	3.37 (85.60)	1.70 (43.18)	3.42 (1.55)
1-1/2"	3/4"	DM60104*2412	4.25 (107.95)	2.50 (63.50)	2.15 (54.61)	3.75 (95.25)	1.42 (36.07)	6.77 (3.07)
1-1/2"	1"	DM60104*2416	4.25 (107.95)	2.50 (63.50)	2.15 (54.61)	4.25 (107.95)	1.70 (43.18)	6.84 (3.10)
1-1/2"	1-1/4"	DM60104*2420	4.25 (107.95)	2.50 (63.50)	2.15 (54.61)	4.25 (107.95)	1.94 (49.28)	6.85 (3.11)
2"	1"	DM60104*3216	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	4.54 (115.32)	1.70 (43.18)	8.90 (4.04)
2"	1-1/4"	DM60104*3220	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	4.54 (115.32)	1.94 (49.28)	9.02 (4.09)
2"	1-1/2"	DM60104*3224	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	4.54 (115.32)	2.20 (55.88)	8.95 (4.06)

DM 60 Series – OD Tube



*MATERIAL CODE:

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B = COPPER NICKEL 70/30

ORDER EXAMPLE:

DM60101G0604

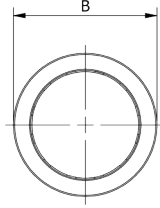
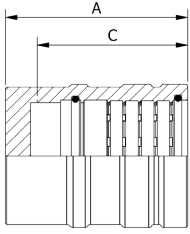
Other configurations available.

Contact factory for details.

Reducer, OD Tube - DM60101

End 1 Size OD	End 2 Size OD	Part Number	Dimensions - Inch (mm)					*Weight K & G lbs (kg)
			A	B	C	D Insertion Depth	E Insertion Depth	
3/8"	1/4"	DM60101*0604	2.00 (50.80)	0.55 (13.97)	0.39 (9.91)	0.92 (23.37)	0.75 (19.05)	0.04 (0.02)
1/2"	1/4"	DM60101*0804	2.25 (57.15)	0.75 (19.05)	0.39 (9.91)	1.09 (27.69)	0.75 (19.05)	0.08 (0.04)
1/2"	3/8"	DM60101*0806	2.38 (60.45)	0.75 (19.05)	0.55 (13.97)	1.09 (27.69)	0.92 (23.37)	0.09 (0.04)
5/8"	3/8"	DM60101*1006	2.88 (73.15)	0.93 (23.62)	0.55 (13.97)	1.26 (32.00)	0.92 (23.37)	0.15 (0.07)
5/8"	1/2"	DM60101*1008	2.88 (73.15)	0.93 (23.62)	0.75 (19.05)	1.26 (32.00)	1.09 (27.69)	0.16 (0.07)
3/4"	1/2"	DM60101*1208	3.50 (88.90)	1.09 (27.69)	0.75 (19.05)	1.42 (36.07)	1.09 (27.69)	0.28 (0.13)
3/4"	5/8"	DM60101*1210	3.50 (88.90)	1.09 (27.69)	0.93 (23.62)	1.42 (36.07)	1.26 (32.00)	0.33 (0.15)
1"	5/8"	DM60101*1610	3.63 (92.20)	1.41 (35.81)	0.93 (23.62)	1.70 (43.18)	1.26 (32.00)	0.53 (0.24)
1"	3/4"	DM60101*1612	4.25 (107.95)	1.41 (35.81)	1.09 (27.69)	1.70 (43.18)	1.42 (36.07)	0.62 (0.28)
1-1/4"	3/4"	DM60101*2012	4.50 (114.30)	1.73 (43.94)	1.09 (27.69)	1.94 (49.28)	1.42 (36.07)	0.87 (0.39)
1-1/4"	1"	DM60101*2016	4.50 (114.30)	1.73 (43.94)	1.41 (35.81)	1.94 (49.28)	1.70 (43.18)	1.05 (0.48)
1-1/2"	1"	DM60101*2416	5.00 (127.00)	2.05 (52.07)	1.41 (35.81)	2.15 (54.61)	1.70 (43.18)	1.55 (0.70)
1-1/2"	1-1/4"	DM60101*2420	5.00 (127.00)	2.05 (52.07)	1.73 (43.94)	2.15 (54.61)	1.94 (49.28)	1.65 (0.75)
2"	1-1/4"	DM60101*3220	5.75 (146.05)	2.58 (65.53)	1.73 (43.94)	2.50 (63.50)	1.94 (49.28)	2.59 (1.17)
2"	1-1/2"	DM60101*3224	6.00 (152.40)	2.58 (65.53)	2.06 (52.32)	2.50 (63.50)	2.20 (55.88)	2.90 (1.32)

DM 60 Series – OD Tube



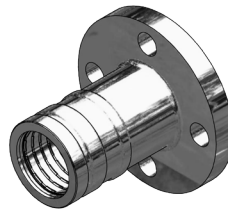
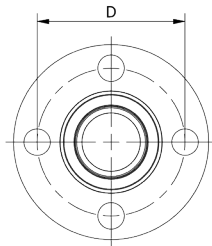
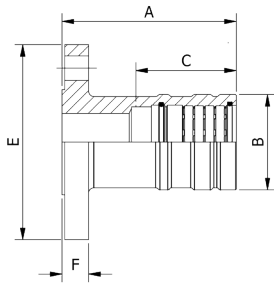
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60085G04

End Cap, OD Tube - DM60085

Size OD	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM60085*04	1.00 (25.40)	0.39 (9.91)	0.75 (19.05)	0.02 (0.01)
3/8"	DM60085*06	1.25 (31.75)	0.55 (13.97)	0.92 (23.37)	0.04 (0.02)
1/2"	DM60085*08	1.38 (35.05)	0.75 (19.05)	1.09 (27.69)	0.08 (0.04)
5/8"	DM60085*10	1.50 (38.10)	0.93 (23.62)	1.26 (32.00)	0.13 (0.06)
3/4"	DM60085*12	1.75 (44.45)	1.09 (27.69)	1.42 (36.07)	0.21 (0.10)
1"	DM60085*16	2.25 (57.15)	1.41 (35.81)	1.70 (43.18)	0.50 (0.23)
1-1/4"	DM60085*20	2.38 (60.45)	1.73 (43.94)	1.94 (49.28)	0.75 (0.34)
1-1/2"	DM80085*38	2.63 (66.80)	2.05 (52.07)	2.15 (54.61)	1.36 (0.62)
2"	DM60085*32	3.00 (76.20)	2.58 (65.53)	2.50 (63.50)	1.80 (0.82)

DM 60 Series – OD Tube

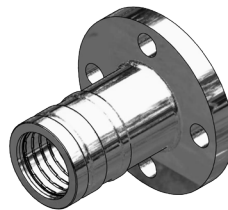
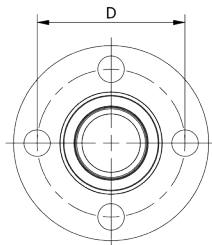
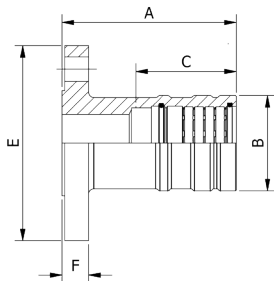


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60018G08

Flange – ANSI 150#, OD Tube - DM60018

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)						Bolt Size	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E	F		
1/2"	1/2"	DM60018*08	2.38 (60.45)	0.75 (19.05)	1.09 (27.69)	2.38 (60.45)	3.50 (88.90)	0.44 (11.18)	1/2" UNC	1.06 (0.48)
3/4"	3/4"	DM60018*12	3.13 (79.50)	1.09 (27.69)	1.42 (36.07)	2.75 (69.85)	3.88 (98.55)	0.50 (12.70)	1/2" UNC	1.69 (0.77)
1"	1"	DM60018*16	3.63 (92.20)	1.41 (35.81)	1.70 (43.18)	3.12 (79.25)	4.25 (107.95)	0.56 (14.22)	1/2" UNC	2.73 (1.24)
1-1/4"	1-1/4"	DM60018*20	4.00 (101.60)	1.73 (43.94)	1.94 (49.28)	3.50 (88.90)	4.62 (117.35)	0.63 (16.00)	1/2" UNC	3.51 (1.59)
1-1/2"	1-1/2"	DM60018*24	4.25 (107.95)	2.05 (52.07)	2.15 (54.61)	3.88 (98.55)	5.00 (127.00)	0.75 (19.05)	1/2" UNC	4.98 (2.26)
2"	2"	DM60018*32	5.50 (139.70)	2.58 (65.53)	2.50 (63.50)	4.75 (120.65)	6.00 (152.40)	0.75 (19.05)	5/8" UNC	7.66 (3.47)



***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

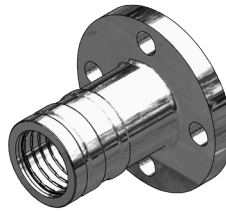
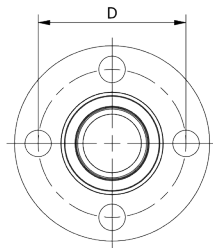
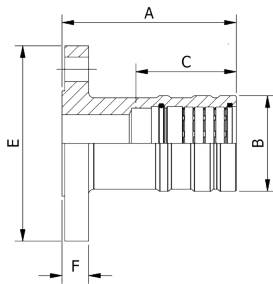
ORDER EXAMPLE:
DM60019G08

Flange – ANSI 300#, OD Tube - DM60019

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)						Bolt Size	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E	F		
1/2"	1/2"	DM60019*08	2.88 (73.15)	0.75 (19.05)	1.09 (27.69)	2.63 (66.80)	3.75 (95.25)	0.56 (14.22)	1/2" UNC	1.67 (0.76)
3/4"	3/4"	DM60019*12	3.75 (95.25)	1.09 (27.69)	1.42 (36.07)	3.25 (82.55)	4.62 (117.35)	0.63 (16.00)	5/8" UNC	3.00 (1.36)
1"	1"	DM60019*16	3.88 (98.55)	1.41 (35.81)	1.70 (43.18)	3.50 (88.90)	4.88 (123.95)	0.69 (17.53)	5/8" UNC	3.79 (1.72)
1-1/4"	1-1/4"	DM60019*20	4.25 (107.95)	1.73 (43.94)	1.94 (49.28)	3.88 (98.55)	5.25 (133.35)	0.75 (19.05)	5/8" UNC	5.07 (2.30)
1-1/2"	1-1/2"	DM60019*24	4.50 (114.30)	2.05 (52.07)	2.20 (55.88)	4.50 (114.30)	6.12 (155.45)	0.81 (20.57)	3/4" UNC	7.37 (3.34)
**2"	2"	DM60019*32	5.13 (130.30)	2.58 (65.53)	2.50 (63.50)	5.00 (127.00)	6.50 (165.10)	0.88 (22.35)	5/8" UNC	9.09 (4.12)

**2" ANSI 300# Flange has 8 Bolts.

DM 60 Series – OD Tube

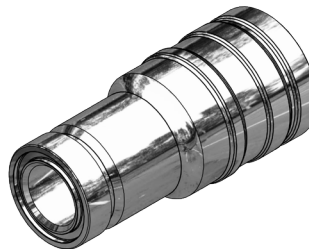
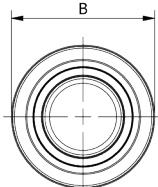
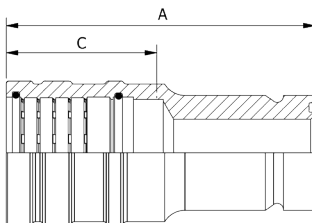


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60027G08

Flange – ANSI 600#, OD Tube - DM60027

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)						Bolt Size	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E	F		
1/2"	1/2"	DM60027*08	3.13 (79.50)	0.75 (19.05)	1.09 (27.69)	2.63 (66.80)	3.75 (95.25)	0.81 (20.57)	1/2" UNC	1.92 (0.87)
3/4"	3/4"	DM60027*12	3.75 (95.25)	1.09 (27.69)	1.42 (36.07)	3.25 (82.55)	4.63 (117.60)	0.88 (22.35)	5/8" UNC	3.31 (1.51)
1"	1"	DM60027*16	3.88 (98.55)	1.41 (35.81)	1.70 (43.18)	3.50 (88.90)	4.88 (123.95)	0.94 (23.88)	5/8" UNC	4.31 (1.51)
1-1/4"	1-1/4"	DM60027*20	4.50 (114.30)	1.73 (43.94)	1.94 (49.28)	3.88 (98.55)	5.25 (133.35)	1.06 (26.92)	5/8" UNC	6.04 (2.74)
1-1/2"	1-1/2"	DM60027*24	4.63 (117.60)	2.05 (52.07)	2.15 (54.61)	4.50 (98.55)	6.13 (155.70)	1.13 (28.70)	3/4" UNC	8.45 (3.83)
2"	2"	DM60027*32	5.75 (146.05)	2.58 (65.53)	2.50 (63.50)	5.00 (127.00)	6.50 (165.10)	1.25 (31.75)	5/8" UNC	10.41 (4.72)



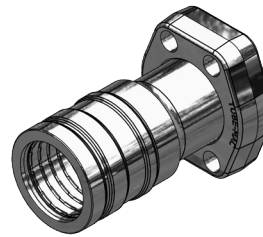
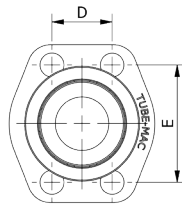
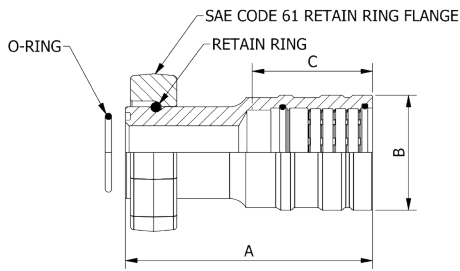
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60090G08

SAE Flange Body, OD Tube - DM60090

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
			A	B	C Insertion Depth	
1/2"	1/2"	DM60090*08	2.50 (63.50)	0.75 (19.05)	1.09 (27.69)	0.28 (0.13)
3/4"	3/4"	DM60090*12	3.38 (85.85)	1.09 (27.69)	1.42 (36.07)	0.66 (0.30)
1"	1"	DM60090*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	0.87 (0.39)
1-1/4"	1-1/4"	DM60090*20	4.00 (101.60)	1.73 (43.94)	1.94 (49.28)	2.23 (1.01)
1-1/2"	1-1/2"	DM80090*3824	4.43 (112.52)	2.05 (52.07)	2.15 (54.61)	2.13 (0.97)
2"	2"	DM60090*32	5.63 (143.00)	2.58 (65.53)	2.50 (63.50)	3.49 (1.58)

DM 60 Series – OD Tube

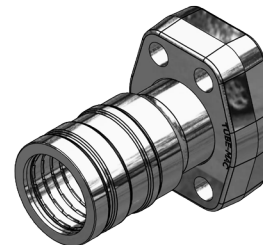
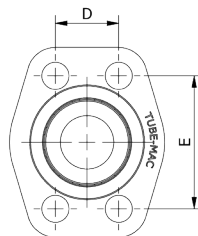
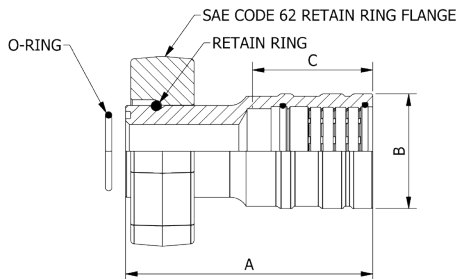


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60091G08

SAE Code 61 Flange, OD Tube - DM60091

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)					Bolt Minimum Grade 8	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E		
1/2"	1/2"	DM60091*08	2.50 (63.50)	0.75 (19.05)	1.09 (27.69)	0.69 (17.53)	1.50 (38.10)	5/16" UNC	0.74 (0.34)
3/4"	3/4"	DM60091*12	3.38 (85.85)	1.09 (27.69)	1.42 (36.07)	0.88 (22.35)	1.88 (47.75)	3/8" UNC	1.16 (0.53)
1"	1"	DM60091*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.03 (26.16)	2.06 (52.32)	3/8" UNC	1.50 (0.68)
1-1/4"	1-1/4"	DM60091*20	4.00 (101.60)	1.73 (43.94)	1.94 (49.28)	1.19 (30.23)	2.31 (58.67)	7/16" UNC	3.13 (1.42)
1-1/2"	1-1/2"	DM80091*3824	4.50 (114.30)	2.05 (52.07)	2.15 (54.61)	1.41 (35.81)	2.75 (69.85)	1/2" UNC	3.48 (1.58)
2"	2"	DM60091*32	5.63 (143.00)	2.58 (65.53)	2.50 (63.50)	1.69 (42.93)	3.06 (77.72)	1/2" UNC	5.51 (2.50)



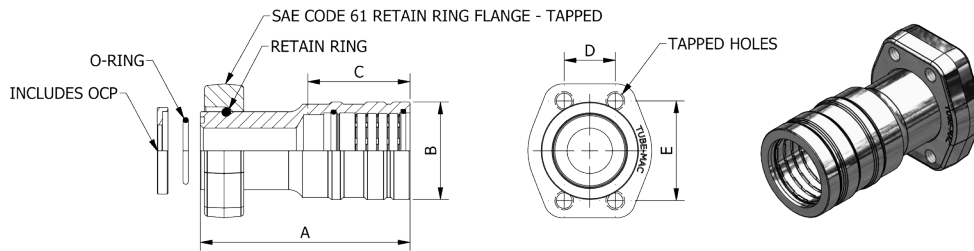
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60092G08

SAE Code 62 Flange, OD Tube - DM60092

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)					Bolt Minimum Grade 8	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E		
1/2"	1/2"	DM60092*08	2.50 (63.50)	0.75 (19.05)	1.09 (27.69)	0.72 (18.29)	1.59 (40.39)	5/16" UNC	0.74 (0.34)
3/4"	3/4"	DM60092*12	3.38 (85.85)	1.09 (27.69)	1.42 (36.07)	0.94 (23.88)	2.00 (50.80)	3/8" UNC	1.47 (0.67)
1"	1"	DM60092*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.09 (27.69)	2.25 (57.15)	7/16" UNC	2.13 (0.97)
1-1/4"	1-1/4"	DM60092*20	4.00 (101.60)	1.73 (43.94)	1.94 (49.28)	1.25 (31.75)	2.62 (66.50)	1/2" UNC	4.18 (1.90)
1-1/2"	1-1/2"	DM80092*3824	4.50 (114.30)	2.05 (52.07)	2.15 (54.61)	1.44 (36.58)	3.13 (79.50)	5/8" UNC	5.01 (2.27)
2"	2"	DM60092*32	5.63 (143.00)	2.58 (65.53)	2.50 (63.50)	1.75 (44.45)	3.81 (96.77)	3/4" UNC	8.89 (4.03)

DM 60 Series – OD Tube

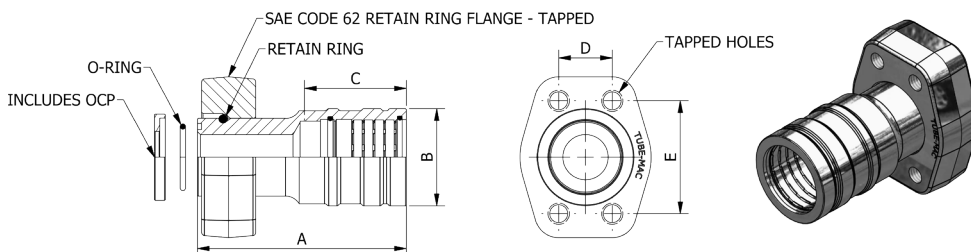


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60095G08

SAE Code 61 Tapped Flange, OD Tube - DM60095

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)					Tap UNC-2B	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E		
1/2"	1/2"	DM60095*08	2.50 (63.50)	0.75 (19.05)	1.09 (27.69)	0.69 (17.53)	1.50 (38.10)	5/16"-18	0.74 (0.34)
3/4"	3/4"	DM60095*12	3.38 (85.85)	1.09 (27.69)	1.42 (36.07)	0.88 (22.35)	1.88 (47.75)	3/8"-16	1.16 (0.53)
1"	1"	DM60095*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.03 (26.16)	2.06 (52.32)	3/8"-16	1.50 (0.68)
1-1/4"	1-1/4"	DM60095*20	4.00 (101.60)	1.73 (43.94)	1.94 (49.28)	1.19 (30.23)	2.31 (58.67)	7/16"-14	3.13 (1.42)
1-1/2"	1-1/2"	DM60095*24	4.50 (114.30)	2.05 (52.07)	2.15 (54.61)	1.41 (35.81)	2.75 (69.85)	1/2"-13	3.48 (1.58)
2"	2"	DM60095*32	5.63 (143.00)	2.58 (65.53)	2.50 (63.50)	1.69 (42.93)	3.06 (77.72)	1/2"-13	5.51 (2.50)



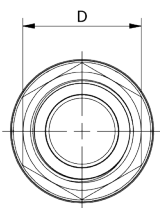
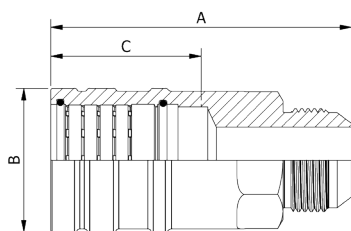
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60096G08

SAE Code 62 Tapped Flange, OD Tube - DM60096

Size OD	Flange Size	Part Number	Dimensions - Inch (mm)					Tap UNC-2B	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E		
1/2"	1/2"	DM60096*08	2.50 (63.50)	0.75 (19.05)	1.09 (27.69)	0.72 (18.29)	1.59 (40.39)	5/16"-18	0.74 (0.34)
3/4"	3/4"	DM60096*12	3.38 (85.85)	1.09 (27.69)	1.42 (36.07)	0.94 (23.88)	2.00 (50.80)	3/8"-16	1.47 (0.67)
1"	1"	DM60096*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.09 (27.69)	2.25 (57.15)	7/16"-14	2.13 (0.97)
1-1/4"	1-1/4"	DM60096*20	4.00 (101.60)	1.73 (43.94)	1.94 (49.28)	1.25 (31.75)	2.62 (66.50)	1/2"-13	4.18 (1.90)
1-1/2"	1-1/2"	DM60096*24	4.50 (114.30)	2.05 (52.07)	2.15 (54.61)	1.44 (36.58)	3.13 (79.50)	5/8"-11	5.01 (2.27)
2"	2"	DM60096*32	5.63 (143.00)	2.58 (65.53)	2.50 (63.50)	1.75 (44.45)	3.81 (96.77)	3/4"-10	8.89 (4.03)

DM 60 Series – OD Tube

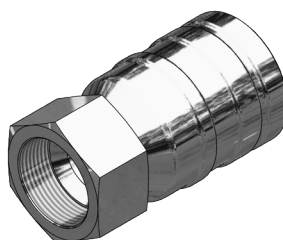
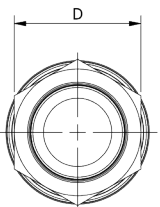
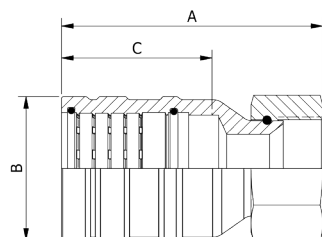


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60055G04

JIC 37° Male, OD Tube - DM60055

Size OD	JIC Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM60055*04	1.75 (44.45)	0.39 (9.91)	0.75 (19.05)	0.50 (12.70)	0.04 (0.02)
3/8"	06	DM60055*06	2.06 (52.32)	0.55 (13.97)	0.92 (23.37)	0.63 (16.00)	0.08 (0.04)
1/2"	08	DM60055*08	2.44 (61.98)	0.75 (19.05)	1.09 (27.69)	0.81 (20.57)	0.18 (0.08)
5/8"	10	DM60055*10	2.75 (69.85)	0.93 (23.62)	1.26 (32.00)	0.94 (23.88)	0.28 (0.13)
3/4"	12	DM60055*12	3.38 (85.73)	1.09 (27.69)	1.42 (36.07)	1.13 (28.70)	0.46 (0.21)
1"	16	DM60055*16	3.81 (96.77)	1.41 (35.81)	1.70 (43.18)	1.38 (35.05)	0.79 (0.36)
1-1/4"	20	DM60055*20	4.04 (102.62)	1.73 (43.94)	1.94 (49.28)	1.88 (47.75)	1.31 (0.59)
1-1/2"	24	DM80055*3824	4.63 (168.40)	2.05 (52.07)	2.15 (54.61)	2.00 (50.80)	1.81 (0.82)
2"	32	DM60055*32	5.10 (129.54)	2.58 (65.53)	2.50 (63.50)	3.03 (76.99)	3.31 (1.50)



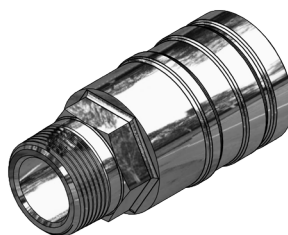
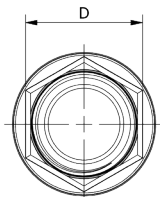
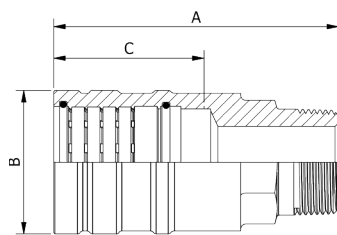
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60054G04

JIC 37° Female Swivel, OD Tube - DM60054

Size OD	JIC Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM60054*04	1.66 (42.16)	0.39 (9.91)	0.75 (19.05)	0.56 (14.22)	0.05 (0.02)
3/8"	06	DM60054*06	2.12 (53.85)	0.55 (13.97)	0.92 (23.37)	0.69 (17.53)	0.09 (0.04)
1/2"	08	DM60054*08	2.55 (64.77)	0.75 (19.05)	1.09 (27.69)	0.88 (22.35)	0.19 (0.09)
5/8"	10	DM60054*10	2.60 (66.04)	0.93 (23.62)	1.26 (32.00)	1.00 (25.40)	0.27 (0.12)
3/4"	12	DM60054*12	2.73 (69.34)	1.09 (27.69)	1.42 (36.07)	1.25 (31.75)	0.40 (0.18)
1"	16	DM60054*16	3.17 (80.52)	1.41 (35.81)	1.70 (43.18)	1.50 (38.10)	0.66 (0.30)
1-1/4"	20	DM60054*20	3.61 (91.69)	1.73 (43.94)	1.94 (49.28)	2.00 (50.80)	1.29 (0.59)
1-1/2"	24	DM80054*3824	4.50 (114.30)	2.05 (52.07)	2.15 (54.61)	2.25 (57.15)	2.10 (0.95)
2"	32	DM60054*32	4.95 (125.73)	2.58 (65.53)	2.50 (63.50)	2.88 (73.15)	3.33 (1.51)

DM 60 Series – OD Tube

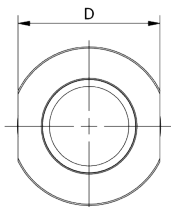
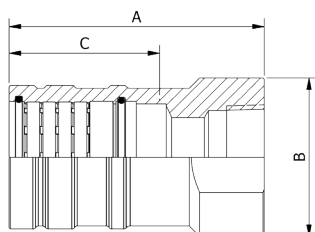


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60056G04

NPT Male, OD Tube - DM60056

Size OD	NPT Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM60056*04	1.75 (44.45)	0.39 (9.91)	0.75 (19.05)	0.56 (14.22)	0.06 (0.03)
3/8"	3/8"	DM60056*06	2.06 (52.32)	0.55 (13.97)	0.92 (23.37)	0.75 (19.05)	0.12 (0.05)
1/2"	1/2"	DM60056*08	2.59 (65.79)	0.75 (19.05)	1.09 (27.69)	0.88 (22.35)	0.23 (0.10)
5/8"	1/2"	DM60056*1008	2.75 (69.85)	0.93 (23.62)	1.26 (32.00)	0.75 (19.05)	0.28 (0.13)
3/4"	3/4"	DM60056*12	3.25 (82.55)	1.09 (27.69)	1.42 (36.07)	1.25 (31.75)	0.52 (0.24)
1"	1"	DM60056*16	3.75 (95.25)	1.41 (35.81)	1.70 (43.18)	1.50 (38.10)	0.91 (0.41)
1-1/4"	1-1/4"	DM60056*20	3.88 (98.55)	1.73 (43.94)	1.94 (49.28)	1.75 (44.45)	1.31 (0.59)
1-1/2"	1-1/2"	DM60056*24	4.63 (117.60)	2.05 (52.07)	2.15 (54.61)	2.13 (54.10)	2.00 (0.91)
2"	2"	DM60056*32	4.63 (117.60)	2.58 (65.53)	2.50 (63.50)	2.63 (66.80)	2.62 (1.19)



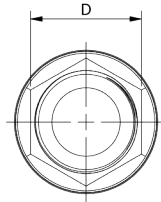
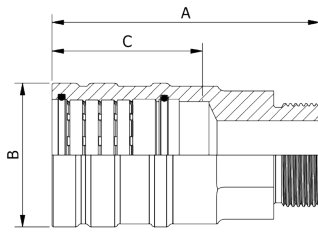
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60060G04

NPT Female, OD Tube - DM60060

Size OD	NPT Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM60060*04	1.63 (41.40)	0.39 (9.91)	0.75 (19.05)	0.75 (19.05)	0.09 (0.04)
3/8"	3/8"	DM60060*06	2.00 (50.80)	0.55 (13.97)	0.92 (23.37)	0.88 (22.35)	0.14 (0.06)
1/2"	1/2"	DM60060*08	2.25 (57.15)	0.75 (19.05)	1.09 (27.69)	1.00 (25.40)	0.24 (0.11)
5/8"	1/2"	DM60060*1008	2.50 (63.50)	0.93 (23.62)	1.26 (32.00)	1.00 (25.40)	0.28 (0.13)
3/4"	3/4"	DM60060*12	3.00 (76.20)	1.09 (27.69)	1.42 (36.07)	1.38 (34.93)	0.46 (0.21)
1"	1"	DM60060*16	3.37 (85.60)	1.41 (35.81)	1.70 (43.18)	1.50 (38.10)	0.75 (0.35)
1-1/4"	1-1/4"	DM60060*20	3.63 (92.20)	1.73 (43.94)	1.94 (49.28)	2.00 (50.80)	1.22 (0.55)
1-1/2"	1-1/2"	DM60060*24	3.88 (98.55)	2.05 (52.07)	2.15 (54.61)	2.25 (57.15)	1.74 (0.79)
2"	2"	DM60060*32	4.13 (104.90)	2.58 (65.53)	2.50 (63.50)	2.75 (69.85)	2.34 (1.06)

DM 60 Series – OD Tube

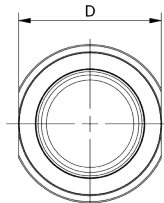
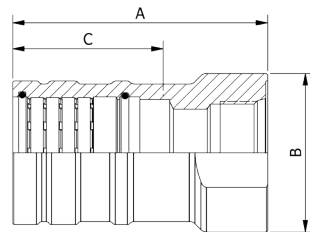


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60088G04

SAE Male, OD Tube - DM60088

Size OD	SAE Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM60088*04	1.50 (38.10)	0.39 (9.91)	0.75 (19.05)	0.56 (14.22)	0.04 (0.02)
3/8"	06	DM60088*06	2.00 (50.80)	0.55 (13.97)	0.92 (23.37)	0.69 (17.53)	0.09 (0.04)
1/2"	08	DM60088*08	2.25 (57.15)	0.75 (19.05)	1.09 (27.69)	0.88 (22.35)	0.17 (0.08)
5/8"	10	DM60088*10	2.50 (63.50)	0.93 (23.62)	1.26 (32.00)	1.00 (25.40)	0.26 (0.12)
3/4"	12	DM60088*12	3.25 (82.55)	1.09 (27.69)	1.42 (36.07)	1.25 (31.75)	0.50 (0.23)
1"	16	DM60088*16	3.38 (85.85)	1.41 (35.81)	1.70 (43.18)	1.50 (38.10)	0.76 (0.34)
1-1/4"	20	DM60088*20	3.88 (98.55)	1.73 (43.94)	1.94 (49.28)	1.88 (47.75)	1.31 (0.59)
1-1/2"	24	DM60088*24	4.25 (107.95)	2.06 (52.32)	2.15 (54.61)	2.13 (54.10)	1.90 (0.86)
2"	32	DM60088*32	4.38 (111.25)	2.58 (65.53)	2.50 (63.50)	2.75 (69.85)	2.64 (1.20)



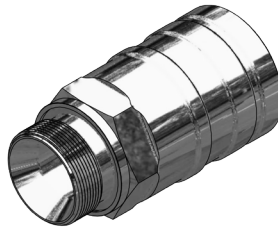
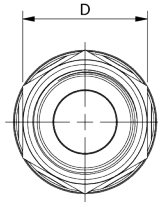
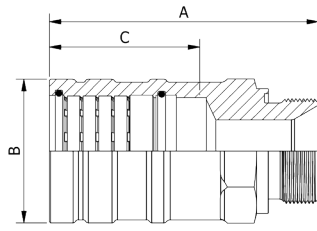
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60087G04

SAE Female, OD Tube - DM60087

Size OD	SAE Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM60087*04	1.75 (44.45)	0.88 (22.35)	0.75 (19.05)	0.75 (19.05)	0.11 (0.05)
3/8"	06	DM60087*06	2.00 (50.80)	1.25 (31.75)	0.92 (23.37)	0.88 (22.35)	0.16 (0.07)
1/2"	08	DM60087*08	2.50 (63.50)	1.25 (31.75)	1.09 (27.69)	1.13 (28.70)	0.26 (0.12)
5/8"	10	DM60087*10	2.75 (69.85)	1.50 (38.10)	1.26 (32.00)	1.13 (28.70)	0.45 (0.20)
3/4"	12	DM60087*12	3.38 (85.85)	1.75 (44.45)	1.42 (36.07)	1.50 (38.10)	0.70 (0.32)
1"	16	DM60087*16	3.50 (88.90)	1.98 (50.29)	1.70 (43.18)	1.75 (44.45)	1.00 (0.45)
1-1/4"	20	DM60087*20	3.88 (98.55)	2.50 (63.50)	1.94 (49.28)	2.25 (57.15)	1.73 (0.78)
1-1/2"	24	DM60087*24	4.75 (120.65)	2.75 (69.85)	2.15 (54.61)	2.50 (63.50)	2.83 (1.28)
2"	32	DM60087*32	5.00 (127.00)	3.63 (92.20)	2.50 (63.50)	3.25 (82.55)	4.35 (1.97)

DM 60 Series – OD Tube

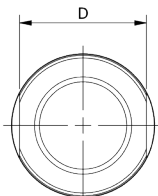
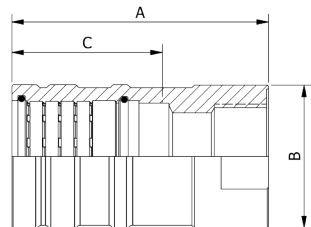


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60153G04

BSPP Male, OD Tube - DM60153

Size OD	BSPP Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM60153*04	1.63 (41.40)	0.39 (9.91)	0.75 (19.05)	0.75 (19.05)	0.07 (0.03)
3/8"	3/8"	DM60153*06	2.00 (50.80)	0.55 (13.97)	0.92 (23.37)	0.87 (22.10)	0.11 (0.05)
1/2"	1/2"	DM60153*08	2.38 (60.45)	0.75 (19.05)	1.09 (27.69)	1.18 (29.97)	0.24 (0.11)
3/4"	3/4"	DM60153*12	3.25 (82.55)	1.09 (27.69)	1.42 (36.07)	1.42 (36.07)	0.53 (0.24)
1"	1"	DM60153*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.81 (45.97)	0.91 (0.41)
1-1/4"	1-1/4"	DM60153*20	3.88 (98.55)	1.73 (43.94)	1.94 (49.28)	1.97 (50.04)	1.41 (0.64)
1-1/2"	1-1/2"	DM80153*3824	4.59 (116.59)	2.05 (52.07)	2.15 (54.61)	2.17 (55.12)	2.14 (0.97)
2"	2"	DM60153*32	4.88 (123.95)	2.58 (65.53)	2.50 (63.50)	2.92 (74.17)	3.16 (1.43)



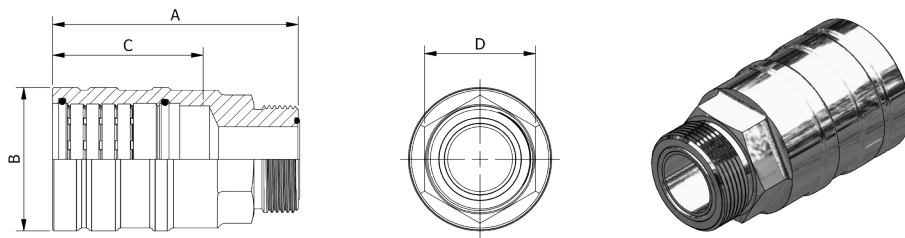
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60086G04

BSPP Female, OD Tube - DM60086

Size OD	BSPP Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM60086*04	1.69 (42.86)	0.94 (23.03)	0.75 (19.05)	0.79 (20.00)	0.10 (0.05)
3/8"	3/8"	DM60086*06	2.13 (54.10)	1.06 (27.00)	0.92 (23.37)	0.95 (24.00)	0.16 (0.07)
1/2"	1/2"	DM60086*08	2.38 (60.33)	1.25 (31.75)	1.09 (27.69)	1.02 (26.00)	0.25 (0.11)
3/4"	3/4"	DM60086*12	3.13 (79.38)	1.50 (38.10)	1.42 (36.07)	1.26 (32.00)	0.53 (0.24)
1"	1"	DM60086*16	3.50 (88.90)	1.88 (47.63)	1.70 (43.18)	1.65 (42.00)	0.94 (0.43)
1-1/4"	1-1/4"	DM60086*20	3.88 (98.43)	2.25 (57.15)	1.94 (49.28)	2.05 (52.00)	1.49 (0.68)
1-1/2"	1-1/2"	DM80086*3824	4.40 (111.66)	2.75 (69.85)	2.15 (54.61)	2.52 (64.00)	2.60 (1.18)
2"	2"	DM60086*32	4.88 (123.83)	3.50 (88.90)	2.50 (63.50)	2.99 (76.00)	4.22 (1.91)

DM 60 Series – OD Tube

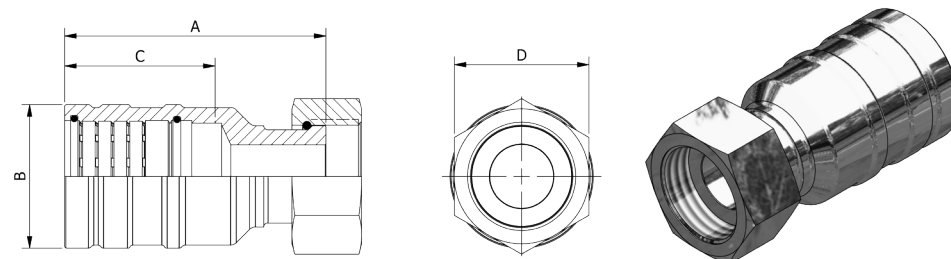


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60010G04

ORFS Male, OD Tube - DM60010

Size OD	ORFS Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM60010*04	1.63 (41.40)	0.39 (9.91)	0.75 (19.05)	0.63 (16.00)	0.07 (0.03)
3/8"	06	DM60010*06	2.00 (50.80)	0.55 (13.97)	0.92 (23.37)	0.75 (19.05)	0.12 (0.05)
1/2"	08	DM60010*08	2.38 (60.45)	0.75 (19.05)	1.09 (27.69)	0.88 (22.35)	0.25 (0.13)
5/8"	10	DM60010*10	2.63 (66.80)	0.93 (23.62)	1.26 (32.00)	1.13 (28.70)	0.34 (0.15)
3/4"	12	DM60010*12	3.25 (82.55)	1.09 (27.69)	1.42 (36.07)	1.25 (31.75)	0.48 (0.22)
1"	16	DM60010*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.50 (38.10)	0.82 (0.37)
1-1/4"	20	DM60010*20	3.75 (95.25)	1.73 (43.94)	1.94 (49.28)	1.75 (44.45)	1.20 (0.54)
1-1/2"	24	DM60010*24	4.13 (104.90)	2.05 (52.07)	2.15 (54.61)	2.13 (54.10)	1.80 (0.82)



***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

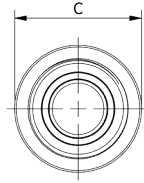
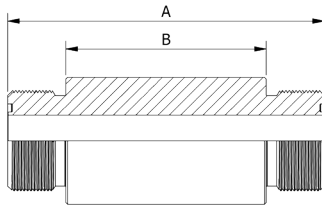
ORDER EXAMPLE:
DM60020G04

ORFS Female Swivel, OD Tube - DM60020

Size OD	ORFS Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM60020*04	1.75 (44.45)	0.39 (9.91)	0.75 (19.05)	0.67 (17.02)	0.05 (0.02)
3/8"	06	DM60020*06	2.13 (54.10)	0.55 (13.97)	0.92 (23.37)	0.86 (21.84)	0.15 (0.07)
1/2"	08	DM60020*08	2.25 (57.15)	0.75 (19.05)	1.09 (27.69)	0.94 (23.88)	0.20 (0.09)
5/8"	10	DM60020*10	2.50 (63.50)	0.93 (23.62)	1.26 (32.00)	1.17 (29.72)	0.33 (0.15)
3/4"	12	DM60020*12	3.25 (82.55)	1.09 (27.69)	1.42 (36.07)	1.63 (41.40)	0.79 (0.36)
1"	16	DM60020*16	3.50 (88.90)	1.41 (35.81)	1.70 (43.18)	1.75 (44.45)	1.04 (0.47)
1-1/4"	20	DM60020*20	3.63 (92.20)	1.73 (43.94)	1.94 (49.28)	2.13 (54.10)	1.63 (0.74)
1-1/2"	24	DM60020*24	4.00 (101.60)	2.05 (52.07)	2.15 (54.61)	2.38 (60.45)	2.25 (1.02)

3D step models available upon request

DM 60 Series – OD Tube

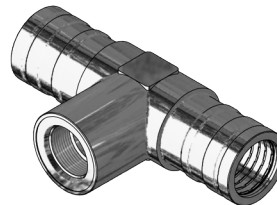
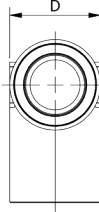
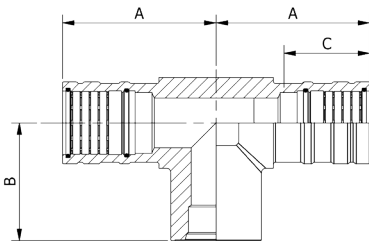


***MATERIAL CODE:**
 K = STAINLESS STEEL
 G = CARBON STEEL
 B = COPPER NICKEL 70/30

ORDER EXAMPLE:
 DM60089G08

Weldable Bulkhead, OD Tube - DM60089

Size OD	ORFS Size	Part Number	Dimensions - Inch (mm)			Thread Details	*Weight K & G lbs (kg)
			A	B	C		
1/2"	08	DM60089*08	3.00 (76.20)	1.99 (50.55)	1.00 (25.40)	13/16"-16UNF-2A	0.49 (0.22)
3/4"	12	DM60089*12	3.75 (95.25)	2.37 (60.20)	1.50 (38.10)	1-3/16"-12UNF-2A	1.31 (0.59)
1"	16	DM60089*16	3.75 (95.25)	2.37 (60.20)	1.75 (44.45)	1-7/16"-12UNF-2A	1.70 (0.77)
1-1/4"	20	DM60089*20	4.00 (101.60)	2.62 (66.55)	2.00 (50.80)	1-11/16"-12UNF-2A	2.28 (1.03)
1-1/2"	24	DM60089*24	4.25 (107.95)	2.87 (72.90)	2.38 (60.45)	2"-12UNF-2A	2.89 (1.31)



***MATERIAL CODE:**
 K = STAINLESS STEEL
 G = CARBON STEEL
 B = COPPER NICKEL 70/30

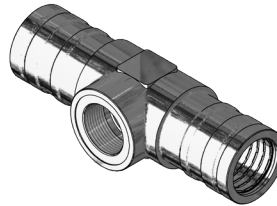
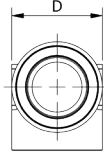
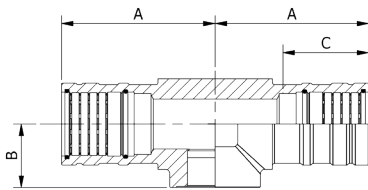
ORDER EXAMPLE:
 DM60171G0804

Other configurations available.
 Contact factory for details.

SAE Female Branch Tee, OD Tube - DM60171

Size OD	SAE Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/2"	04	DM60171*0804	1.75 (44.45)	0.75 (19.05)	1.09 (27.69)	0.86 (21.84)	0.31 (0.14)
5/8"	06	DM60171*1006	2.00 (50.80)	1.00 (25.40)	1.26 (32.00)	1.06 (26.92)	0.57 (0.26)
3/4"	08	DM60171*1208	2.68 (68.07)	1.25 (31.75)	1.42 (36.07)	1.30 (33.02)	1.04 (0.47)
1"	10	DM60171*1610	3.03 (76.96)	1.50 (38.10)	1.70 (43.18)	1.58 (40.13)	1.86 (0.84)
1-1/4"	12	DM60171*2012	3.40 (86.36)	1.75 (44.45)	1.94 (49.28)	1.97 (50.04)	3.20 (1.46)
1-1/2"	16	DM60171*2416	4.25 (107.95)	2.00 (50.80)	2.20 (55.88)	2.50 (63.50)	6.23 (2.83)
2"	20	DM60171*3220	4.54 (115.32)	2.25 (57.15)	2.50 (63.50)	2.81 (71.37)	8.06 (3.66)

DM 60 Series – OD Tube



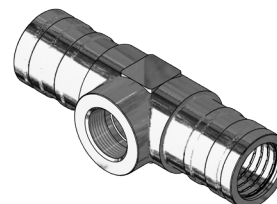
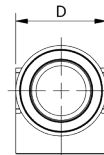
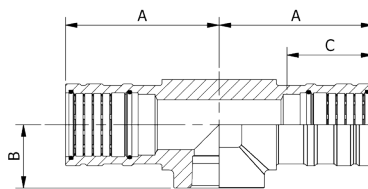
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60172G0804

Other configurations available.
 Contact factory for details.

BSPP Female Branch Tee, OD Tube - DM60172

Size OD	BSPP Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/2"	1/4"	DM60172*0804	1.75 (44.45)	0.75 (19.05)	1.09 (27.69)	0.86 (21.84)	0.30 (0.14)
3/4"	1/2"	DM60172*1208	2.68 (68.07)	1.25 (31.75)	1.42 (36.07)	1.30 (33.02)	1.06 (0.48)
1"	3/4"	DM60172*1612	3.03 (76.96)	1.50 (38.10)	1.70 (43.18)	1.58 (40.13)	1.78 (0.81)
1-1/4"	1"	DM60172*2016	3.37 (85.60)	1.75 (44.45)	1.94 (49.28)	1.97 (50.04)	3.09 (1.40)
1-1/2"	1-1/4"	DM80172*3820	4.25 (107.95)	1.63 (41.28)	2.15 (54.61)	2.50 (63.50)	5.53 (2.51)
2"	1-1/2"	DM60172*3224	4.54 (115.32)	2.25 (57.15)	2.50 (63.50)	2.69 (68.33)	7.78 (3.53)



***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60172G0806

Other configurations available.
 Contact factory for details.

NPT Female Branch Tee, OD Tube - DM60173

Size OD	NPT Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/2"	3/8"	DM60173*0806	1.75 (44.45)	0.75 (19.05)	1.09 (27.69)	0.86 (21.84)	0.29 (0.13)
5/8"	1/2"	DM60173*1008	2.00 (50.80)	1.00 (25.40)	1.26 (32.00)	1.06 (26.92)	0.53 (0.24)
3/4"	1/2"	DM60173*1208	2.68 (68.07)	1.25 (31.75)	1.42 (36.07)	1.30 (33.02)	1.05 (0.48)
1"	3/4"	DM60173*1612	3.03 (76.96)	1.50 (38.10)	1.70 (43.18)	1.58 (40.13)	1.82 (0.83)
1-1/4"	1"	DM60173*2016	3.40 (86.36)	1.75 (44.45)	1.94 (49.28)	1.97 (50.04)	3.19 (1.45)
1-1/2"	1-1/4"	DM60173*2420	4.25 (107.95)	2.00 (50.80)	2.20 (55.88)	2.50 (63.50)	6.12 (2.76)
2"	1-1/2"	DM60173*3224	4.54 (115.32)	2.25 (57.15)	2.50 (63.50)	2.81 (71.37)	7.93 (3.60)

3D step models available upon request

Specialty Fitting Configuration Guide

DM 60 Series - OD Tube

1/4" to 2"

					
JIC 37° 90° Elbow Male DM60355	JIC 37° Branch Tee Male DM60177	JIC 37° Run Tee Male DM60178	JIC 37° 90° Elbow Female Swivel DM60354	JIC 37° Branch Tee Female Swivel DM60170	NPT 90° Elbow Male DM60057
					
NPT Branch Tee Male DM60176	NPT Run Tee Male DM60181	NPT 90° Elbow Female DM60061	ORFS 90° Elbow Male DM60011	ORFS Branch Tee Male DM60013	ORFS Run Tee Male DM60014
					
ORFS 90° Elbow Female Swivel DM60021	ORFS Branch Tee Female Swivel DM60023	SAE 90° Elbow Male DM60105	SAE Branch Tee Male DM60174	SAE Run Tee Male DM60179	SAE 90° Elbow Female DM60387
					
BSPP 90° Elbow Male DM60168	BSPP Branch Tee Male DM60175	BSPP Run Tee Male DM60180	BSPP 90° Elbow Female DM60169	BSPP Cross Fitting with 2 Ports DM60221	BSPP Cross Fitting with 4 Ports DM60241
					
Flange - ANSI #900 DM60025	Flange - ANSI #1500 DM60026	Compact Elbow x Code 61 Flange DM60231	Compact Elbow x Code 62 Flange DM60232	90° PYPLOK® x SAE Code 61 Flange DM60391	90° PYPLOK® x SAE Code 62 Flange DM60392

Specialty Fitting Configuration Guide

DM 60 Series - OD Tube

1/4" to 2"

				
NPS to OD Tube Reducer DM20501	CPV Female DM60040	CPV Male Union DM60041	Extra Long Coupling DM60301	Tailpiece Gaugeline Adapter DM60050

Introduction
Technical Information
DM 20 – NPS Pipe
DM 60 – OD Tube
DM 80 – Metric Tube
DM Series Thread Adapter
DM80 – Metric JS Tube
DP 40N – NPS Low Pressure
DP 40M – Metric Low Pressure
PYPLOK® Tooling
Installation Procedures
Appendix

Notes

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