

General Characteristics

DM 20 Series - NPS Pipe

Fitting Material Specifications

K = Stainless Steel
G = Carbon Steel
B = Copper Nickel 70/30
C = Copper Nickel 90/10
D = Duplex
Z = Super Duplex
T = Titanium

Material Specification

ASTM-A479/A182-316
ASTM-A105/A350 LF2
MIL-C71500
MIL-C70600
ASTM-A479/A182-UNS31803
ASTM-A479/A182-UNS32750
ASTM B348 Gr.2

2" NPS DM 20 Series Carbon Steel PYPLOK® cannot be used on EN 10305-4 (E355N/ST52.4) pipe/tube but as replacement 2" NPS DM 20 Series Stainless Steel PYPLOK® or 60mm DM 80 Series Carbon Steel PYPLOK® can be used.

O-Ring Material Specifications

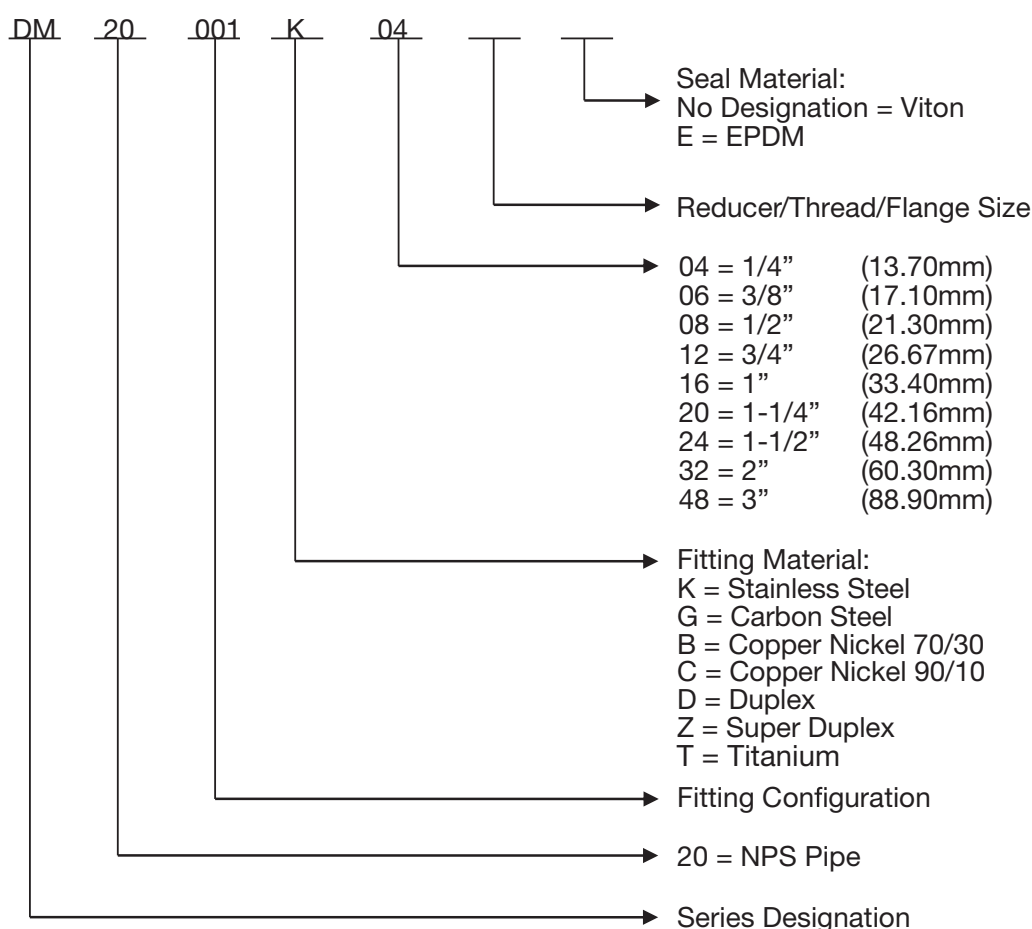
VITON (Brown Colour)
EPDM (Black Colour)

O-Ring Temperature Limits

-15°F to 400°F (-26°C to 205°C)
-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

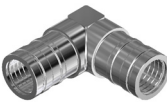
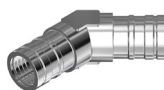
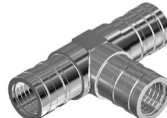
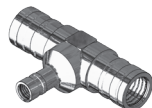


System design and safe application is the responsibility of the end-user. Consideration must be taken to confirm proper fitting selection is made to ensure proper compatibility, function and operation of the fitting within the piping system. The technical and performance information such as weights, 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.

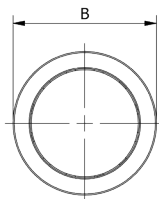
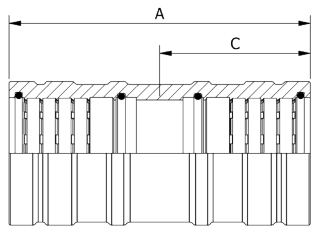
Standard Fitting Configuration Guide

DM 20 Series - NPS Pipe

1/4" to 3"

					
Coupling DM20001 Page C3	Coupling with Inner Stop DM20002 Page C3	90° Elbow DM20003 Page C4	45° Elbow DM20017 Page C4	Tee DM20004 Page C5	Reducing Tee DM20104 Page C5
					
Reducer DM20101 Page C6	End Cap DM20085 Page C6	Flange - ANSI 150# DM200018 Page C7	Flange - ANSI 300# DM20019 Page C7	Flange - ANSI 600# DM20027 Page C8	SAE Flange Body DM20090 Page C8
					
SAE Code 61 Flange DM20091 Page C9	SAE Code 62 Flange DM20092 Page C9	SAE Code 61 Tapped Flange DM20095 Page C10	SAE Code 62 Tapped Flange DM20096 Page C10	JIC 37° Male DM20055 Page C11	JIC 37° Female Swivel DM20054 Page C11
					
NPT Male DM20056 Page C12	NPT Female DM20060 Page C12	SAE Male DM20088 Page C13	SAE Female DM20087 Page C13	BSPP Male DM20153 Page C14	BSPP Female DM20086 Page C14
					
ORFS Male DM20010 Page C15	ORFS Female Swivel DM20020 Page C15	Weldable Bulkhead DM60089 Page C16	SAE Female Branch Tee DM20171 Page C16	BSPP Female Branch Tee DM20172 Page C17	NPT Female Branch Tee DM20173 Page C17

DM 20 Series - NPS Pipe

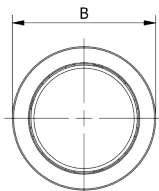
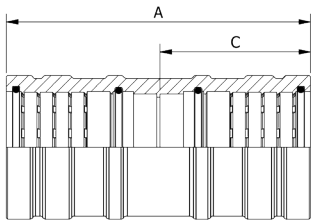


***MATERIAL CODE:**
K = STAINLESS STEEL
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B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20001G04

Coupling, NPS - DM20001

Size NPS	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM20001*04	2.25 (57.15)	0.80 (20.32)	1.13 (28.70)	0.12 (0.05)
3/8"	DM20001*06	2.75 (69.85)	0.99 (25.15)	1.38 (35.05)	0.25 (0.11)
1/2"	DM20001*08	3.00 (76.20)	1.20 (30.48)	1.50 (38.10)	0.44 (0.20)
3/4"	DM20001*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	0.61 (0.28)
1"	DM20001*16	4.00 (101.60)	1.82 (46.23)	2.00 (50.80)	1.07 (0.49)
1-1/4"	DM20001*20	4.75 (120.65)	2.26 (57.40)	2.38 (60.45)	2.00 (0.91)
1-1/2"	DM20001*24	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	2.78 (1.26)
2"	DM20001*32	7.00 (177.80)	3.04 (77.22)	3.50 (88.90)	4.40 (2.00)
3"	DM20001*48	10.00 (254.00)	4.38 (111.25)	5.00 (127.00)	14.06 (6.38)



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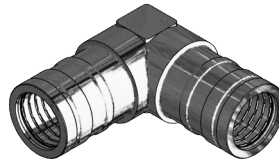
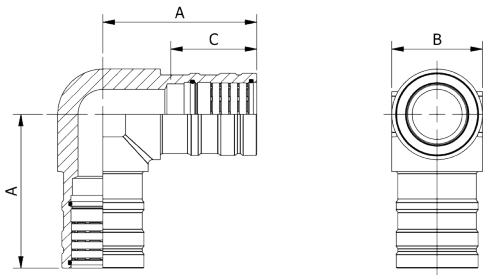
ORDER EXAMPLE:
DM20002G04

Coupling with Inner Stop, NPS - DM20002

Size NPS	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM20002*04	2.30 (58.42)	0.80 (20.32)	1.13 (28.70)	0.12 (0.05)
3/8"	DM20002*06	2.80 (71.12)	0.99 (25.15)	1.38 (35.05)	0.25 (0.11)
1/2"	DM20002*08	3.05 (77.47)	1.20 (30.48)	1.50 (38.10)	0.35 (0.16)
3/4"	DM20002*12	3.55 (90.17)	1.48 (37.59)	1.75 (44.45)	0.61 (0.28)
1"	DM20002*16	4.05 (102.87)	1.82 (46.23)	2.00 (50.80)	1.07 (0.49)
1-1/4"	DM20002*20	4.80 (121.92)	2.26 (57.40)	2.38 (60.45)	1.96 (0.89)
1-1/2"	DM20002*24	5.05 (128.27)	2.58 (65.53)	2.50 (63.50)	2.78 (1.26)
2"	DM20002*32	7.05 (179.07)	3.04 (77.22)	3.50 (88.90)	4.40 (2.00)
3"	DM20002*48	10.05 (255.27)	4.38 (111.25)	5.00 (127.00)	12.21 (5.54)

3D step models available upon request

DM 20 Series - NPS Pipe



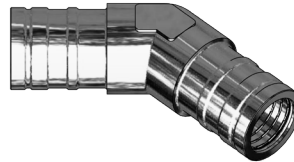
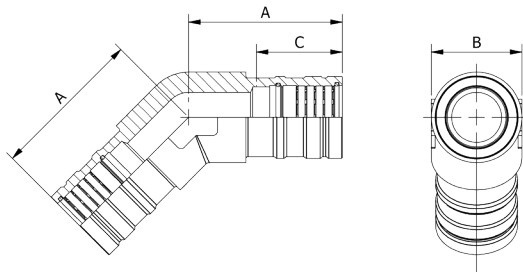
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ORDER EXAMPLE:
DM20003G04

90° Elbow, NPS - DM20003

Size NPS	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM20003*04	1.75 (44.45)	0.86 (21.84)	1.13 (28.70)	0.29 (0.13)
3/8"	DM20003*06	2.00 (50.80)	1.06 (26.92)	1.38 (35.05)	0.56 (0.25)
1/2"	DM20003*08	2.68 (68.07)	1.30 (33.02)	1.50 (38.10)	1.00 (0.45)
3/4"	DM20003*12	3.03 (76.96)	1.58 (40.13)	1.75 (44.45)	1.50 (0.68)
1"	DM20003*16	3.37 (85.60)	1.97 (50.04)	2.00 (50.80)	2.65 (1.20)
1-1/4"	DM20003*20	4.25 (107.95)	2.50 (63.50)	2.38 (60.45)	5.95 (2.70)
1-1/2"	DM20003*24	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	7.10 (3.22)
2"	DM20003*32	5.45 (138.43)	3.25 (82.55)	3.50 (88.90)	9.60 (4.35)
**3"	DM20003*48	11.09 (281.69)	4.38 (111.25)	5.00 (127.00)	25.23 (11.44)

**3" PYLOK® DM 20 Series shapes such as Tees and Elbows are made as welded assemblies using ASME B16.9 SCH.160 Butt Weld Fittings. All other sizes are made from forged material.



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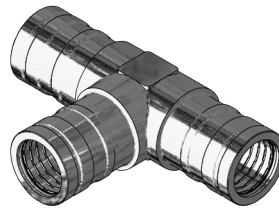
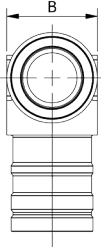
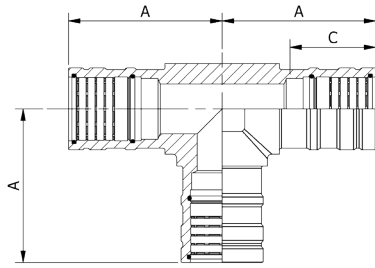
ORDER EXAMPLE:
DM20017G04

45° Elbow, NPS - DM20017

Size NPS	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM20017*04	1.75 (44.45)	0.86 (21.84)	1.13 (28.70)	0.40 (0.18)
3/8"	DM20017*06	2.00 (50.80)	1.06 (26.92)	1.38 (35.05)	0.50 (0.23)
1/2"	DM20017*08	2.68 (68.07)	1.30 (33.02)	1.50 (38.10)	1.00 (0.45)
3/4"	DM20017*12	3.03 (76.96)	1.58 (40.13)	1.75 (44.45)	1.50 (0.68)
1"	DM20017*16	3.37 (85.60)	1.97 (50.04)	2.00 (50.80)	3.10 (1.41)
1-1/4"	DM20017*20	4.25 (107.95)	2.50 (63.50)	2.38 (60.45)	5.60 (2.54)
1-1/2"	DM20017*24	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	7.40 (3.36)
2"	DM20017*32	5.45 (138.43)	3.25 (82.55)	3.50 (88.90)	9.60 (4.35)
**3"	DM20017*48	8.59 (218.19)	4.38 (111.25)	5.00 (127.00)	21.26 (9.64)

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DM 20 Series - NPS Pipe



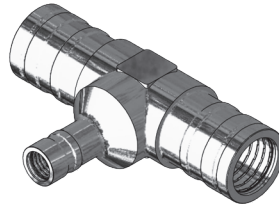
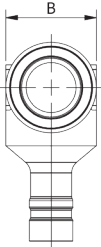
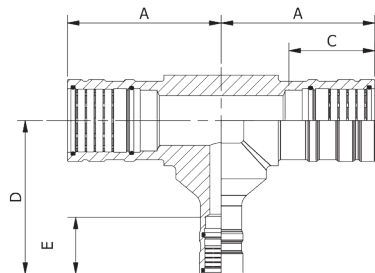
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ORDER EXAMPLE:
DM20004G04

Tee, NPS - DM20004

Size NPS	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM20004*04	1.75 (44.45)	0.86 (21.84)	1.13 (28.70)	0.38 (0.17)
3/8"	DM20004*06	2.00 (50.80)	1.06 (26.92)	1.38 (35.05)	0.65 (0.29)
1/2"	DM20004*08	2.68 (68.07)	1.30 (33.02)	1.50 (38.10)	1.30 (0.59)
3/4"	DM20004*12	3.03 (76.96)	1.58 (40.13)	1.75 (44.45)	2.00 (0.91)
1"	DM20004*16	3.37 (85.60)	1.97 (50.04)	2.00 (50.80)	3.40 (1.54)
1-1/4"	DM20004*20	4.25 (107.95)	2.50 (63.50)	2.38 (60.45)	7.10 (3.22)
1-1/2"	DM20004*24	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	9.20 (4.17)
2"	DM20004*32	5.45 (138.43)	3.25 (82.55)	3.50 (88.90)	12.80 (5.81)
**3"	DM20004*48	9.97 (253.24)	4.38 (111.25)	5.00 (127.00)	34.95 (15.85)

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ORDER EXAMPLE:
DM20104G0604

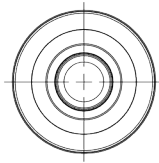
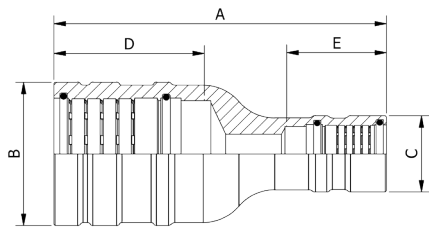
Other configurations available.
 Contact factory for details.

Reducing Tee, NPS - DM20104

Run Size NPS	Branch Size NPS	Part Number	Dimensions - Inch (mm)					*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E Insertion Depth	
3/8"	1/4"	DM20104*0604	2.00 (50.80)	1.06 (26.92)	1.38 (35.05)	2.00 (50.80)	1.13 (28.70)	0.62 (0.28)
1/2"	3/8"	DM20104*0806	2.68 (68.07)	1.30 (33.02)	1.50 (38.10)	2.50 (63.50)	1.38 (35.05)	1.30 (0.59)
3/4"	1/2"	DM20104*1208	3.03 (76.96)	1.58 (40.13)	1.75 (44.45)	3.13 (79.50)	1.50 (38.10)	2.00 (0.91)
1"	1/2"	DM20104*1608	3.37 (85.60)	1.97 (50.04)	2.00 (50.80)	3.27 (83.06)	1.50 (38.10)	3.20 (1.45)
1"	3/4"	DM20104*1612	3.37 (85.60)	1.97 (50.04)	2.00 (50.80)	3.37 (85.60)	1.75 (44.45)	3.20 (1.45)
1 1/4"	1/2"	DM20104*2008	4.25 (107.95)	2.50 (63.50)	2.38 (60.45)	4.25 (107.95)	1.50 (38.10)	6.80 (3.08)
1-1/4"	3/4"	DM20104*2012	4.25 (107.95)	2.50 (63.50)	2.38 (60.45)	4.25 (107.95)	1.75 (44.45)	6.80 (3.08)
1-1/4"	1"	DM20104*2016	4.25 (107.95)	2.50 (63.50)	2.38 (60.45)	4.25 (107.95)	2.00 (50.80)	6.80 (3.08)
1 1/2"	3/4"	DM20104*2412	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	4.54 (115.32)	1.75 (44.45)	8.80 (3.99)
1-1/2"	1"	DM20104*2416	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	4.54 (115.32)	2.00 (50.80)	8.80 (3.99)
1-1/2"	1-1/4"	DM20104*2420	4.54 (115.32)	2.81 (71.37)	2.50 (63.50)	4.54 (115.32)	2.38 (60.45)	8.80 (3.99)
2"	1"	DM20104*3216	5.45 (138.43)	3.25 (82.55)	3.50 (88.90)	5.38 (136.65)	2.00 (50.80)	12.40 (5.62)
2"	1-1/4"	DM20104*3220	5.45 (138.43)	3.25 (82.55)	3.50 (88.90)	5.38 (136.65)	2.38 (60.45)	13.10 (5.94)
2"	1-1/2"	DM20104*3224	5.45 (138.43)	3.25 (82.55)	3.50 (88.90)	5.38 (136.65)	2.50 (63.50)	13.40 (6.08)

3D step models available upon request

DM 20 Series - NPS Pipe



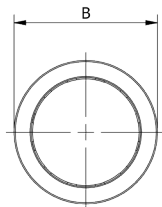
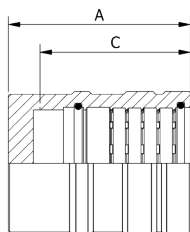
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ORDER EXAMPLE:
 DM20101G0604

Other configurations available.
 Contact factory for details.

Reducer, NPS - DM20101

End 1 Size NPS	End 2 Size NPS	Part Number	Dimensions - Inch (mm)					*Weight K & G lbs (kg)
			A	B	C	D Insertion Depth	E Insertion Depth	
3/8"	1/4"	DM20101*0604	3.00 (76.20)	0.99 (25.15)	0.80 (20.32)	1.38 (35.05)	1.13 (28.70)	0.26 (0.12)
1/2"	3/8"	DM20101*0806	3.75 (95.25)	1.20 (30.48)	0.99 (25.15)	1.50 (38.10)	1.38 (35.05)	0.40 (0.18)
3/4"	1/2"	DM20101*1208	4.38 (111.25)	1.48 (37.59)	1.20 (30.48)	1.75 (44.45)	1.50 (38.10)	0.70 (0.32)
1"	1/2"	DM20101*1608	5.00 (127.00)	1.82 (46.23)	1.20 (30.48)	2.00 (50.80)	1.50 (38.10)	1.25 (0.57)
1"	3/4"	DM20101*1612	5.00 (127.00)	1.82 (46.23)	1.48 (37.59)	2.00 (50.80)	1.75 (44.45)	1.30 (0.59)
1-1/4"	3/4"	DM20101*2012	5.38 (136.65)	2.26 (57.40)	1.48 (37.59)	2.38 (60.45)	1.75 (44.45)	1.80 (0.82)
1-1/4"	1"	DM20101*2016	5.38 (136.65)	2.26 (57.40)	1.82 (46.23)	2.38 (60.45)	2.00 (50.80)	2.04 (0.93)
1-1/2"	3/4"	DM20101*2412	5.88 (149.35)	2.58 (65.53)	1.48 (37.59)	2.50 (63.50)	1.75 (44.45)	2.82 (1.28)
1-1/2"	1"	DM20101*2416	5.88 (149.35)	2.58 (65.53)	1.82 (46.23)	2.50 (63.50)	2.00 (50.80)	2.85 (1.29)
1-1/2"	1-1/4"	DM20101*2420	6.00 (154.43)	2.58 (65.53)	2.26 (57.40)	2.50 (63.50)	2.38 (60.45)	3.17 (1.44)
2"	1"	DM20101*3216	7.00 (177.80)	3.04 (77.22)	1.82 (46.23)	3.50 (88.90)	2.00 (50.80)	3.69 (1.67)
2"	1-1/4"	DM20101*3220	7.25 (184.15)	3.04 (77.22)	2.26 (57.40)	3.50 (88.90)	2.38 (60.45)	4.20 (1.90)
2"	1-1/2"	DM20101*3224	7.50 (190.05)	3.04 (77.22)	2.58 (65.53)	3.50 (88.90)	2.50 (63.50)	4.67 (2.12)



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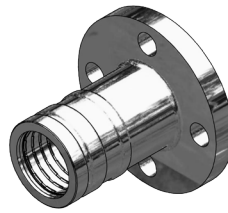
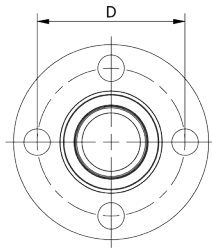
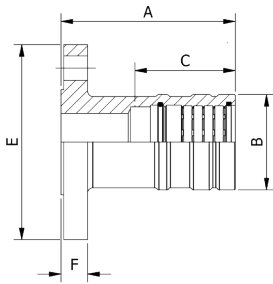
ORDER EXAMPLE:
 DM20085G04

End Cap, NPS - DM20085

Size NPS	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
		A	B	C Insertion Depth	
1/4"	DM20085*04	1.38 (35.05)	0.80 (20.32)	1.13 (28.70)	0.10 (0.05)
3/8"	DM20085*06	1.88 (47.75)	0.99 (25.15)	1.38 (35.05)	0.20 (0.09)
1/2"	DM20085*08	2.00 (50.80)	1.20 (30.48)	1.50 (38.10)	0.30 (0.14)
3/4"	DM20085*12	2.25 (57.15)	1.48 (37.59)	1.75 (44.45)	0.50 (0.23)
1"	DM20085*16	2.50 (63.50)	1.82 (46.23)	2.00 (50.80)	0.84 (0.38)
1-1/4"	DM20085*20	2.88 (73.15)	2.26 (57.40)	2.38 (60.45)	1.44 (0.65)
1-1/2"	DM20085*24	3.00 (76.20)	2.58 (65.53)	2.50 (63.50)	1.98 (0.90)
2"	DM20085*32	4.13 (104.90)	3.04 (77.22)	3.50 (88.90)	3.13 (1.42)
3"	DM20085*48	5.63 (143.00)	4.38 (111.25)	5.00 (127.00)	8.56 (3.88)

3D step models available upon request

DM 20 Series - NPS Pipe



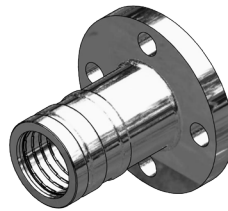
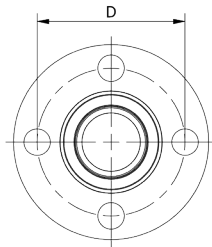
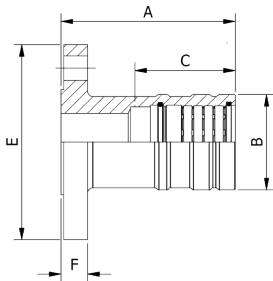
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20018G08

Flange – ANSI 150#, NPS - DM20018

Size NPS	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"	DM20018*08	3.00 (76.20)	1.20 (30.48)	1.50 (38.10)	2.38 (60.45)	3.50 (88.90)	0.44 (11.18)	1/2" UNC	1.30 (0.59)
3/4"	3/4"	DM20018*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	2.75 (69.85)	3.88 (98.55)	0.50 (12.70)	1/2" UNC	1.90 (0.86)
1"	1"	DM20018*16	3.63 (92.20)	1.82 (46.23)	2.00 (50.80)	3.12 (79.25)	4.25 (107.95)	0.62 (15.82)	1/2" UNC	3.00 (1.36)
1-1/4"	1-1/4"	DM20018*20	4.13 (104.90)	2.26 (57.40)	2.38 (60.45)	3.50 (88.90)	4.62 (117.35)	0.63 (16.00)	1/2" UNC	4.09 (1.86)
1-1/2"	1-1/2"	DM20018*24	4.25 (107.95)	2.58 (65.53)	2.50 (63.50)	3.88 (98.55)	5.00 (127.00)	0.75 (19.10)	1/2" UNC	5.20 (2.40)
2"	2"	DM20018*32	5.73 (145.54)	3.04 (77.22)	3.50 (88.90)	4.75 (120.65)	6.00 (152.40)	0.69 (17.53)	5/8" UNC	8.50 (3.86)
**3"	3"	DM20018*48	9.34 (237.24)	4.38 (111.25)	5.00 (127.00)	6.00 (152.40)	7.50 (190.50)	1.31 (33.27)	5/8" UNC	24.83 (11.26)

**3" PYPLOK® DM 20 Series shapes such as Tees and Elbows are made as welded assemblies using ASME B16.9 SCH.160 Butt Weld Fittings. All other sizes are made from forged material.



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

ORDER EXAMPLE:
DM20019G08

Flange – ANSI 300#, NPS - DM20019

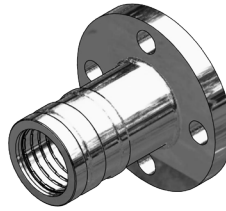
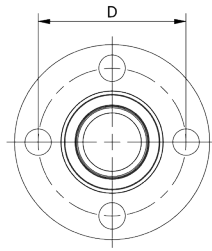
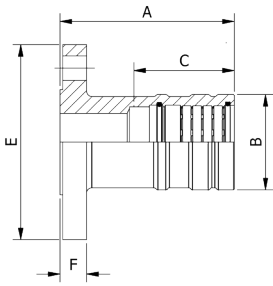
Size NPS	Flange Size	Part Number	Dimensions - Inch (mm)						Bolt Size	*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	E	F		
1/2"	1/2"	DM20019*08	3.13 (79.50)	1.20 (30.48)	1.50 (38.10)	2.62 (66.55)	3.75 (95.25)	0.56 (14.22)	1/2" UNC	1.84 (0.83)
3/4"	3/4"	DM20019*12	3.63 (92.20)	1.48 (37.59)	1.75 (44.45)	3.25 (82.55)	4.63 (117.60)	0.63 (16.00)	5/8" UNC	3.10 (1.41)
1"	1"	DM20019*16	3.88 (98.55)	1.82 (46.23)	2.00 (50.80)	3.50 (88.90)	4.88 (123.95)	0.75 (19.05)	5/8" UNC	4.34 (1.97)
1-1/4"	1-1/4"	DM20019*20	4.25 (107.95)	2.26 (57.40)	2.38 (60.45)	3.88 (98.55)	5.25 (133.35)	0.75 (19.05)	5/8" UNC	5.40 (2.45)
1-1/2"	1-1/2"	DM20019*24	4.31 (109.47)	2.58 (65.53)	2.50 (63.50)	4.50 (114.30)	6.12 (155.45)	0.81 (20.57)	3/4" UNC	9.70 (4.40)
**2"	2"	DM20019*32	5.80 (147.32)	3.04 (77.72)	3.50 (88.90)	5.00 (127.00)	6.50 (165.10)	0.88 (22.35)	5/8" UNC	9.77 (4.43)
**3"	3"	DM20019*48	9.72 (246.89)	4.38 (111.25)	5.00 (127.00)	6.63 (168.40)	8.25 (209.55)	1.13 (28.70)	3/4" UNC	26.15 (11.86)

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

**3" PYPLOK® DM 20 Series shapes such as Tees and Elbows are made as welded assemblies using ASME B16.9 SCH.160 Butt Weld Fittings. All other sizes are made from forged material.

3D step models available upon request

DM 20 Series - NPS Pipe



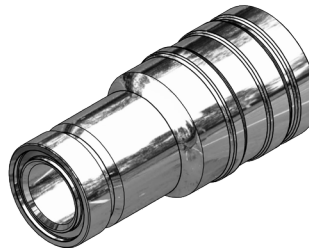
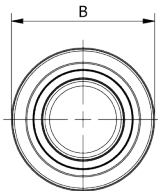
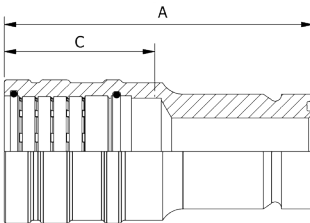
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20027G08

Flange – ANSI 600#, NPS - DM20027

Size NPS	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"	DM20027*08	3.31 (84.07)	1.20 (30.48)	1.50 (38.10)	2.63 (66.80)	3.75 (95.25)	0.81 (20.57)	1/2 UNC	2.07 (0.94)
3/4"	3/4"	DM20027*12	3.81 (96.77)	1.48 (37.59)	1.75 (44.45)	3.25 (82.55)	4.63 (117.60)	0.88 (22.35)	5/8 UNC	3.53 (1.60)
1"	1"	DM20027*16	4.00 (101.60)	1.82 (46.23)	2.00 (50.80)	3.50 (88.90)	4.88 (123.95)	0.94 (23.88)	5/8 UNC	4.51 (2.05)
1-1/4"	1-1/4"	DM20027*20	4.50 (114.30)	2.26 (57.40)	2.38 (60.45)	3.88 (98.55)	5.25 (133.35)	1.06 (26.92)	5/8 UNC	6.48 (2.94)
1-1/2"	1-1/2"	DM20027*24	4.63 (117.60)	2.58 (65.53)	2.50 (63.50)	4.50 (114.30)	6.13 (155.70)	1.13 (28.70)	3/4 UNC	9.13 (4.14)
2"	2"	DM20027*32	5.73 (145.54)	3.04 (77.22)	3.50 (88.90)	5.00 (127.00)	6.50 (165.10)	1.25 (31.75)	5/8 UNC	10.92 (4.95)
**3"	3"	DM20027*48	9.97 (253.24)	4.38 (111.25)	5.00 (127.00)	6.63 (168.40)	8.13 (206.50)	1.38 (35.05)	3/4 UNC	25.76 (11.68)

**3" PYPLOK® DM 20 Series shapes such as Tees and Elbows are made as welded assemblies using ASME B16.9 SCH.160 Butt Weld Fittings. All other sizes are made from forged material.



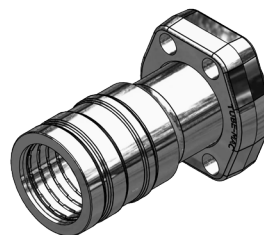
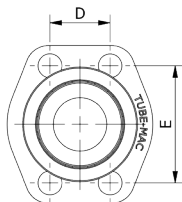
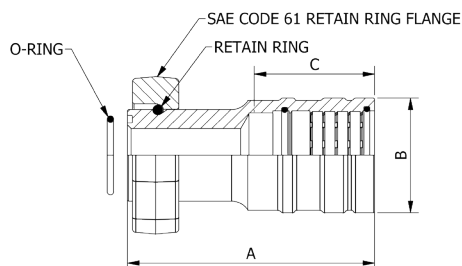
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20090G08

SAE Flange Body, NPS - DM20090

Size NPS	Flange Size	Part Number	Dimensions - Inch (mm)			*Weight K & G lbs (kg)
			A	B	C Insertion Depth	
1/2"	1/2"	DM20090*08	3.38 (85.85)	1.20 (30.48)	1.50 (38.10)	0.51 (0.23)
3/4"	3/4"	DM20090*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	0.87 (0.39)
1"	1"	DM20090*16	4.50 (114.30)	1.82 (46.23)	2.00 (50.80)	1.49 (0.68)
1-1/4"	1-1/4"	DM20090*20	4.88 (123.95)	2.26 (57.40)	2.38 (60.45)	2.13 (0.97)
1-1/2"	1-1/2"	DM20090*24	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	3.00 (1.36)
2"	2"	DM20090*32	6.50 (165.10)	3.04 (77.22)	3.50 (88.90)	4.43 (2.01)
3"	3"	DM20090*48	9.50 (241.30)	4.38 (111.25)	5.00 (127.00)	13.41 (6.08)

DM 20 Series - NPS Pipe

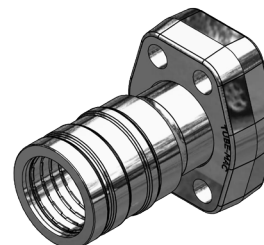
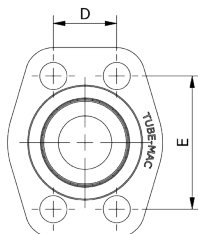
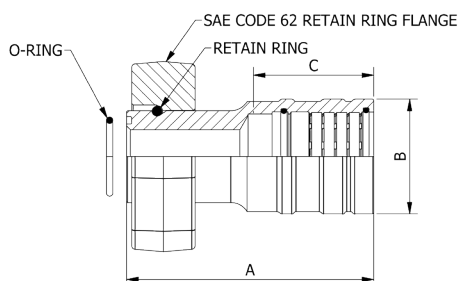


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20091G08

SAE Code 61 Flange, NPS - DM20091

Size NPS	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"	DM20091*08	3.38 (85.85)	1.20 (30.48)	1.50 (38.10)	0.69 (17.53)	1.50 (38.10)	5/16" UNC	0.97 (0.44)
3/4"	3/4"	DM20091*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	0.88 (22.35)	1.88 (47.75)	3/8" UNC	1.35 (0.61)
1"	1"	DM20091*16	4.50 (114.30)	1.82 (46.23)	2.00 (50.80)	1.03 (26.16)	2.06 (52.32)	3/8" UNC	2.12 (0.96)
1-1/4"	1-1/4"	DM20091*20	4.88 (123.95)	2.26 (57.40)	2.38 (60.45)	1.19 (30.23)	2.31 (58.67)	7/16" UNC	3.03 (1.37)
1-1/2"	1-1/2"	DM20091*24	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	1.41 (35.81)	2.75 (69.85)	1/2" UNC	4.35 (1.97)
2"	2"	DM20091*32	6.50 (165.10)	3.04 (77.22)	3.50 (88.90)	1.69 (42.93)	3.06 (77.72)	1/2" UNC	6.45 (2.93)
3"	3"	DM20091*48	9.50 (241.30)	4.38 (111.25)	5.00 (127.00)	2.44 (61.98)	4.19 (106.43)	5/8" UNC	17.51 (7.90)



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

ORDER EXAMPLE:
DM20092G08

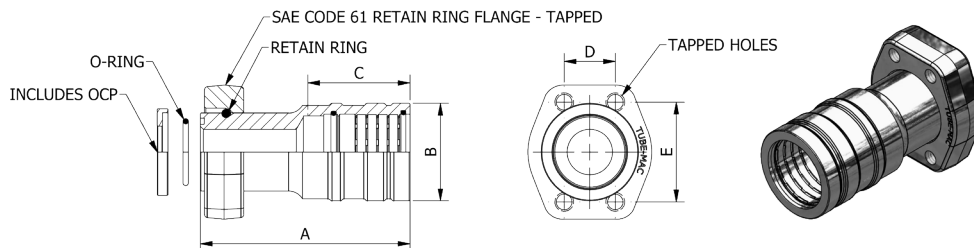
SAE Code 62 Flange, NPS - DM20092

Size NPS	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"	DM20092*08	3.38 (85.85)	1.20 (30.48)	1.50 (38.10)	0.72 (18.29)	1.59 (40.39)	5/16" UNC	0.97 (0.44)
3/4"	3/4"	DM20092*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	0.94 (23.88)	2.00 (50.80)	3/8" UNC	1.68 (0.76)
1"	1"	DM20092*16	4.50 (114.30)	1.82 (46.23)	2.00 (50.80)	1.09 (27.69)	2.25 (57.15)	7/16" UNC	2.75 (1.25)
1-1/4"	1-1/4"	DM20092*20	4.88 (123.95)	2.26 (57.40)	2.38 (60.45)	1.25 (31.75)	2.63 (66.80)	1/2" UNC	4.08 (1.85)
1-1/2"	1-1/2"	DM20092*24	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	1.44 (36.58)	3.13 (79.50)	5/8" UNC	5.88 (2.67)
2"	2"	DM20092*32	6.50 (165.10)	3.04 (77.22)	3.50 (88.90)	1.75 (44.45)	3.81 (96.77)	3/4" UNC	9.83 (4.46)
**3"	3"	DM20092*48	9.50 (241.30)	4.38 (111.25)	5.00 (127.00)	2.44 (61.98)	4.19 (106.43)	5/8" UNC	22.51 (10.21)

**3" uses ISO 6164 Flange.

3D step models available upon request

DM 20 Series - NPS Pipe

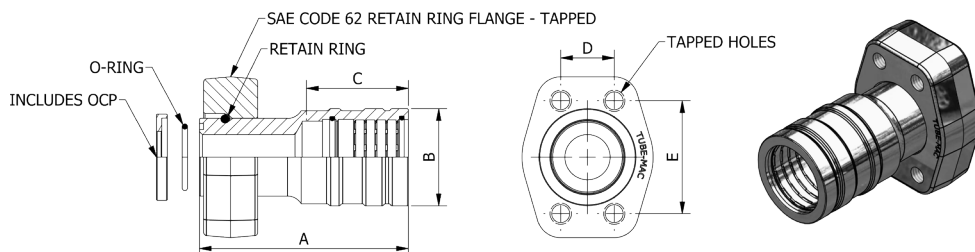


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20095G08

SAE Code 61 Tapped Flange, NPS - DM20095

Size NPS	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"	DM20095*08	3.38 (85.85)	1.20 (30.48)	1.50 (38.10)	0.69 (17.53)	1.50 (38.10)	5/16"-18	1.01 (0.46)
3/4"	3/4"	DM20095*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	0.88 (22.35)	1.88 (47.75)	3/8"-16	1.42 (0.64)
1"	1"	DM20095*16	4.50 (114.30)	1.82 (46.23)	2.00 (50.80)	1.03 (26.16)	2.06 (52.32)	3/8"-16	2.20 (1.00)
1-1/4"	1-1/4"	DM20095*20	4.88 (123.95)	2.26 (57.40)	2.38 (60.45)	1.19 (30.23)	2.31 (58.67)	7/16"-14	3.12 (1.42)
1-1/2"	1-1/2"	DM20095*24	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	1.41 (35.81)	2.75 (69.85)	1/2"-13	4.52 (2.05)
2"	2"	DM20095*32	6.50 (165.10)	3.04 (77.22)	3.50 (88.90)	1.69 (42.93)	3.06 (77.72)	1/2"-13	6.60 (2.99)
3"	3"	DM20095*48	9.50 (241.30)	4.38 (111.25)	5.00 (127.00)	2.44 (61.98)	4.19 (106.43)	5/8"-11	17.51 (7.90)



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

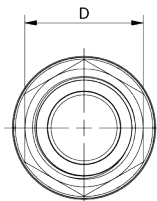
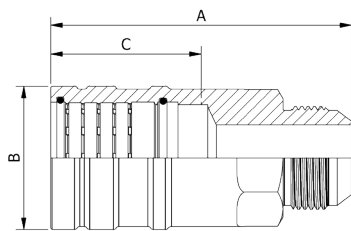
ORDER EXAMPLE:
DM20096G08

SAE Code 62 Tapped Flange, NPS - DM20096

Size NPS	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"	DM20096*08	3.38 (85.85)	1.20 (30.48)	1.50 (38.10)	0.72 (18.29)	1.59 (40.39)	5/16"-18	1.01 (0.46)
3/4"	3/4"	DM20096*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	0.94 (23.88)	2.00 (50.80)	3/8"-16	1.84 (0.83)
1"	1"	DM20096*16	4.50 (114.30)	1.82 (46.23)	2.00 (50.80)	1.09 (27.69)	2.25 (57.15)	7/16"-14	2.83 (1.28)
1-1/4"	1-1/4"	DM20096*20	4.88 (123.95)	2.26 (57.40)	2.38 (60.45)	1.25 (31.75)	2.63 (66.80)	1/2"-13	4.42 (2.00)
1-1/2"	1-1/2"	DM20096*24	5.00 (127.00)	2.58 (65.53)	2.50 (63.50)	1.44 (36.58)	3.13 (79.50)	5/8"-11	6.47 (2.93)
2"	2"	DM20096*32	6.50 (165.10)	3.04 (77.22)	3.50 (88.90)	1.75 (44.45)	3.81 (96.77)	3/4"-10	10.17 (4.61)
**3"	3"	DM20096*48	9.50 (241.30)	4.38 (111.25)	5.00 (127.00)	2.44 (61.89)	4.19 (106.43)	1"-8	22.51 (10.21)

**3" uses ISO 6164 Flange.

DM 20 Series - NPS Pipe

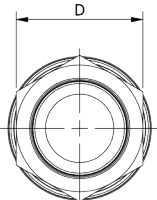
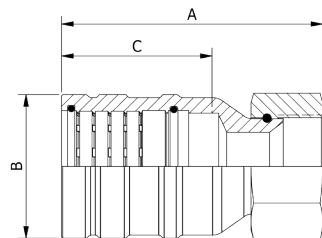


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20055G04

JIC 37° Male, NPS - DM20055

Size NPS	JIC Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20055*04	2.25 (57.15)	0.80 (20.32)	1.13 (28.70)	0.50 (12.70)	0.10 (0.05)
3/8"	06	DM20055*06	2.63 (66.80)	0.99 (25.15)	1.38 (35.05)	0.63 (16.00)	0.21 (0.10)
1/2"	08	DM20055*08	3.25 (82.55)	1.20 (30.48)	1.50 (38.10)	0.81 (20.57)	0.37 (0.17)
3/4"	12	DM20055*12	3.69 (93.73)	1.48 (37.59)	1.75 (44.45)	1.13 (28.70)	0.63 (0.29)
1"	16	DM20055*16	4.00 (101.60)	1.82 (46.23)	2.00 (50.80)	1.38 (35.05)	1.06 (0.48)
1-1/4"	20	DM20055*20	4.75 (120.65)	2.26 (57.40)	2.38 (60.45)	1.88 (47.75)	2.11 (0.96)
1-1/2"	24	DM20055*24	4.75 (120.65)	2.58 (65.53)	2.50 (63.50)	2.25 (57.15)	2.66 (1.21)
2"	32	DM20055*32	6.00 (152.40)	3.04 (77.22)	3.50 (88.90)	2.63 (66.80)	4.08 (1.85)



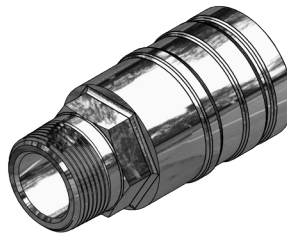
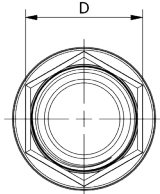
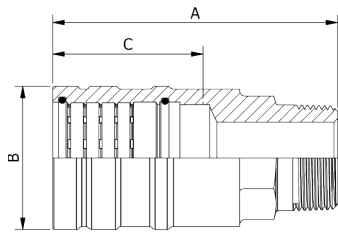
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20054G04

JIC 37° Female Swivel, NPS - DM20054

Size NPS	JIC Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20054*04	2.23 (56.64)	0.80 (20.32)	1.13 (28.70)	0.56 (14.22)	0.12 (0.05)
3/8"	06	DM20054*06	2.67 (67.82)	0.99 (25.15)	1.38 (35.05)	0.69 (17.53)	0.21 (0.10)
1/2"	08	DM20054*08	3.07 (77.98)	1.20 (30.48)	1.50 (38.10)	0.88 (22.35)	0.37 (0.17)
3/4"	12	DM20054*12	3.40 (86.36)	1.48 (37.59)	1.75 (44.45)	1.25 (31.75)	0.74 (0.34)
1"	16	DM20054*16	4.05 (102.87)	1.82 (46.23)	2.00 (50.80)	1.50 (38.10)	1.19 (0.54)
1-1/4"	20	DM20054*20	4.40 (111.76)	2.26 (57.40)	2.38 (60.45)	2.00 (50.80)	2.15 (0.98)
1-1/2"	24	DM20054*24	4.77 (121.16)	2.58 (65.53)	2.50 (63.50)	2.25 (57.15)	3.00 (1.36)
2"	32	DM20054*32	5.99 (152.15)	3.04 (77.22)	3.50 (88.90)	2.88 (73.15)	4.53 (2.05)

DM 20 Series - NPS Pipe

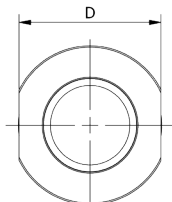
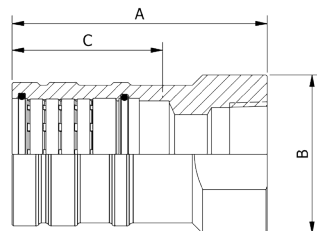


*MATERIAL CODE:
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20056G04

NPT Male, NPS - DM20056

Size NPS	NPT Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM20056*04	2.25 (57.15)	0.80 (20.32)	1.13 (28.70)	0.56 (14.22)	0.12 (0.05)
3/8"	3/8"	DM20056*06	2.63 (66.80)	0.99 (25.15)	1.38 (35.05)	0.75 (19.05)	0.21 (0.10)
1/2"	1/2"	DM20056*08	3.25 (82.55)	1.20 (30.48)	1.50 (38.10)	0.88 (22.35)	0.40 (0.18)
3/4"	3/4"	DM20056*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	1.25 (31.75)	0.76 (0.34)
1"	1"	DM20056*16	4.00 (101.6)	1.82 (46.23)	2.00 (50.80)	1.50 (38.10)	1.20 (0.54)
1-1/4"	1-1/4"	DM20056*20	4.50 (63.50)	2.26 (57.40)	2.38 (60.45)	2.39 (60.71)	2.07 (0.94)
1-1/2"	1-1/2"	DM20056*24	4.75 (120.65)	2.58 (65.53)	2.50 (63.50)	2.13 (54.10)	2.50 (1.13)
2"	2"	DM20056*32	6.00 (152.40)	3.04 (77.22)	3.50 (88.90)	2.63 (66.80)	4.41 (2.00)



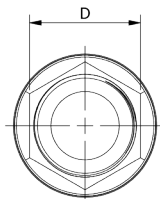
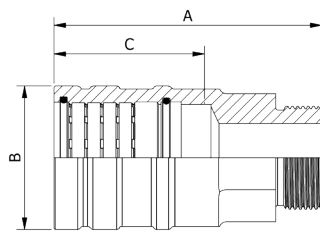
*MATERIAL CODE:
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20060G04

NPT Female, NPS - DM20060

Size NPS	NPT Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM20060*04	2.00 (50.80)	1.00 (25.40)	1.13 (28.70)	0.88 (22.35)	0.20 (0.09)
3/8"	3/8"	DM20060*06	2.25 (57.15)	1.25 (31.75)	1.38 (35.05)	1.00 (25.40)	0.32 (0.15)
1/2"	1/2"	DM20060*08	2.75 (69.85)	1.38 (35.05)	1.50 (38.10)	1.25 (31.75)	0.48 (0.22)
3/4"	3/4"	DM20060*12	3.25 (82.55)	1.75 (44.45)	1.75 (44.45)	1.50 (38.10)	0.90 (0.41)
1"	1"	DM20060*16	3.63 (92.20)	1.98 (50.29)	2.00 (50.80)	1.88 (47.75)	1.40 (0.63)
1-1/4"	1-1/4"	DM20060*20	4.03 (102.36)	2.50 (63.50)	2.38 (60.45)	2.25 (57.15)	2.20 (1.00)
1-1/2"	1-1/2"	DM20060*24	4.38 (111.25)	3.00 (76.20)	2.50 (63.50)	2.74 (69.60)	3.53 (1.60)
2"	2"	DM20060*32	5.50 (139.70)	3.50 (88.90)	3.50 (88.90)	3.00 (76.20)	4.80 (2.17)

DM 20 Series - NPS Pipe

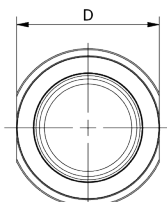
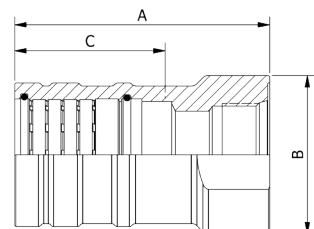


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20088G04

SAE Male, NPS - DM20088

Size NPS	SAE Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20088*04	2.18 (55.37)	0.80 (20.32)	1.13 (28.70)	0.50 (12.70)	0.12 (0.05)
3/8"	06	DM20088*06	2.47 (62.74)	0.99 (25.15)	1.38 (35.05)	0.69 (17.53)	0.20 (0.09)
1/2"	08	DM20088*08	2.74 (69.60)	1.20 (30.48)	1.50 (38.10)	0.88 (22.35)	0.33 (0.15)
3/4"	12	DM20088*12	3.35 (85.09)	1.48 (37.59)	1.75 (44.45)	1.13 (28.70)	0.61 (0.28)
1"	16	DM20088*16	3.73 (94.74)	1.82 (46.23)	2.00 (50.80)	1.50 (38.10)	1.09 (0.49)
1-1/4"	20	DM20088*20	4.23 (107.44)	2.26 (57.40)	2.38 (60.45)	1.88 (47.75)	1.87 (0.85)
1-1/2"	24	DM20088*24	4.48 (113.79)	2.58 (65.53)	2.50 (63.50)	2.13 (54.10)	2.56 (1.16)
2"	32	DM20088*32	5.35 (135.89)	3.04 (77.22)	3.50 (88.90)	2.75 (69.85)	3.84 (1.74)



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

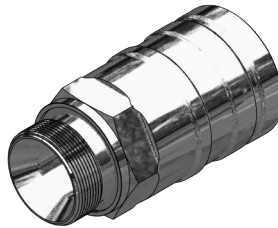
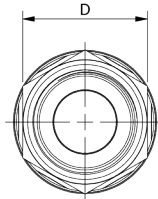
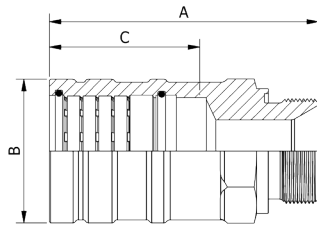
ORDER EXAMPLE:
DM20087G04

SAE Female, NPS - DM20087

Size NPS	SAE Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20087*04	2.00 (50.80)	0.88 (22.35)	1.13 (28.70)	0.75 (19.05)	0.16 (0.07)
3/8"	06	DM20087*06	2.38 (60.45)	1.00 (25.40)	1.38 (35.05)	0.88 (22.35)	0.26 (0.12)
1/2"	08	DM20087*08	2.63 (66.80)	1.25 (31.75)	1.50 (38.10)	1.13 (28.70)	0.42 (0.19)
3/4"	12	DM20087*12	3.25 (82.55)	1.75 (44.45)	1.75 (44.45)	1.50 (38.10)	0.90 (0.41)
1"	16	DM20087*16	3.60 (91.44)	1.98 (50.29)	2.00 (50.80)	1.75 (44.45)	1.27 (0.58)
1-1/4"	20	DM20087*20	4.03 (102.36)	2.50 (63.50)	2.38 (60.45)	2.25 (57.15)	1.96 (0.89)
1-1/2"	24	DM20087*24	4.35 (110.49)	2.75 (69.85)	2.50 (63.50)	2.50 (63.50)	2.80 (1.27)
2"	32	DM20087*32	5.75 (146.05)	3.50 (88.90)	3.50 (88.90)	3.25 (82.55)	5.09 (2.31)

3D step models available upon request

DM 20 Series - NPS Pipe

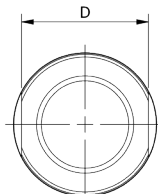
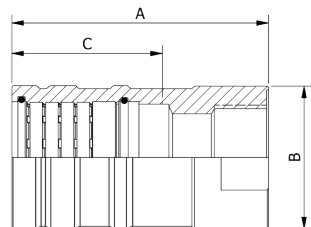


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20153G04

BSPP Male, NPS - DM20153

Size NPS	BSPP Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM20153*04	2.13 (54.10)	0.80 (20.32)	1.13 (28.70)	0.75 (19.05)	0.14 (0.06)
3/8"	3/8"	DM20153*06	2.38 (60.45)	0.99 (25.15)	1.38 (35.05)	0.87 (22.10)	0.22 (0.10)
1/2"	1/2"	DM20153*08	3.00 (76.20)	1.20 (30.48)	1.50 (38.10)	1.18 (29.97)	0.46 (0.21)
3/4"	3/4"	DM20153*12	3.38 (85.85)	1.48 (37.59)	1.75 (44.45)	1.42 (36.07)	0.71 (0.32)
1"	1"	DM20153*16	3.63 (92.20)	1.82 (46.23)	2.00 (50.80)	1.81 (45.97)	1.14 (0.52)
1-1/4"	1-1/4"	DM20153*20	4.25 (107.95)	2.26 (57.40)	2.38 (60.45)	1.97 (50.04)	1.95 (0.88)
1-1/2"	1-1/2"	DM20153*24	4.63 (117.60)	2.58 (65.53)	2.50 (63.50)	2.17 (55.12)	2.67 (1.21)
2"	2"	DM20153*32	5.38 (136.65)	3.04 (77.22)	3.50 (88.90)	2.95 (74.93)	3.49 (1.58)



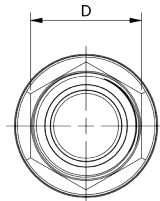
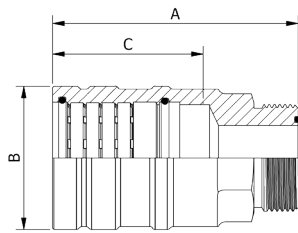
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20086G04

BSPP Female, NPS - DM20086

Size NPS	BSPP Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM20086*04	2.00 (50.80)	0.88 (22.35)	1.13 (28.70)	0.75 (19.05)	0.15 (0.07)
3/8"	3/8"	DM20086*06	2.38 (60.45)	1.06 (26.92)	1.38 (35.05)	0.94 (23.88)	0.25 (0.11)
1/2"	1/2"	DM20086*08	2.63 (66.80)	1.25 (31.75)	1.50 (38.10)	1.06 (26.92)	0.40 (0.18)
3/4"	3/4"	DM20086*12	3.25 (82.55)	1.75 (44.45)	1.75 (44.45)	1.50 (38.10)	0.91 (0.41)
1"	1"	DM20086*16	3.50 (88.90)	2.00 (50.80)	2.00 (50.80)	1.75 (44.45)	1.28 (0.58)
1-1/4"	1-1/4"	DM20086*20	4.05 (102.87)	2.25 (57.15)	2.38 (60.45)	2.00 (50.80)	1.91 (0.87)
1-1/2"	1-1/2"	DM20086*24	4.38 (111.25)	2.75 (69.85)	2.50 (63.50)	2.50 (63.50)	2.88 (1.31)
2"	2"	DM20086*32	5.75 (146.05)	3.50 (88.90)	3.50 (88.90)	3.00 (76.20)	5.14 (2.33)

DM 20 Series - NPS Pipe

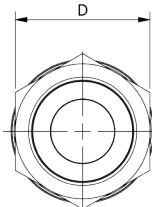
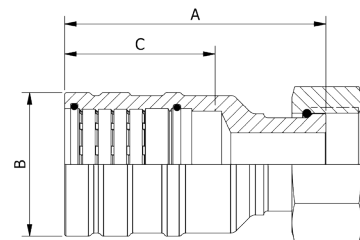


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20010G04

ORFS Male, NPS - DM20010

Size NPS	ORFS Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20010*04	2.13 (54.10)	0.80 (20.32)	1.13 (28.70)	0.63 (16.00)	0.13 (0.06)
3/8"	06	DM20010*06	2.50 (63.50)	0.99 (25.15)	1.38 (35.05)	0.75 (19.05)	0.23 (0.10)
1/2"	08	DM20010*08	2.75 (69.85)	1.20 (30.48)	1.50 (38.10)	0.88 (22.35)	0.34 (0.15)
3/4"	12	DM20010*12	3.25 (82.55)	1.48 (37.59)	1.75 (44.45)	1.25 (31.75)	0.69 (0.31)
1"	16	DM20010*16	3.50 (88.90)	1.82 (46.23)	2.00 (50.80)	1.50 (38.10)	1.18 (0.54)
1-1/4"	20	DM20010*20	4.08 (103.63)	2.26 (57.40)	2.38 (60.45)	1.75 (44.45)	1.80 (0.82)
1-1/2"	24	DM20010*24	4.38 (111.25)	2.58 (65.53)	2.50 (63.50)	2.13 (54.10)	2.53 (1.15)



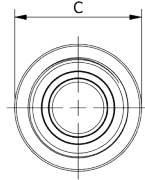
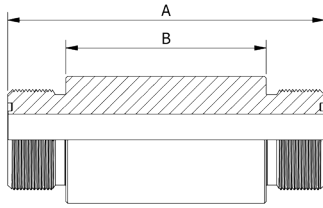
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20020G04

ORFS Female Swivel, NPS - DM20020

Size NPS	ORFS Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20020*04	2.25 (57.15)	0.80 (20.32)	1.13 (28.70)	0.67 (17.02)	0.14 (0.06)
3/8"	06	DM20020*06	2.50 (63.50)	0.99 (25.15)	1.38 (35.05)	0.86 (21.84)	0.26 (0.12)
1/2"	08	DM20020*08	2.75 (69.85)	1.20 (30.48)	1.50 (38.10)	0.94 (23.88)	0.33 (0.15)
3/4"	12	DM20020*12	3.50 (88.90)	1.48 (37.59)	1.75 (44.45)	1.63 (41.40)	1.04 (0.47)
1"	16	DM20020*16	3.63 (92.20)	1.82 (46.23)	2.00 (50.80)	1.75 (44.45)	1.31 (0.59)
1-1/4"	20	DM20020*20	4.13 (104.90)	2.26 (57.40)	2.38 (60.45)	2.13 (54.10)	2.21 (1.00)
1-1/2"	24	DM20020*24	4.38 (111.25)	2.58 (65.53)	2.50 (63.50)	2.38 (60.45)	2.95 (1.34)

DM 20 Series - NPS Pipe

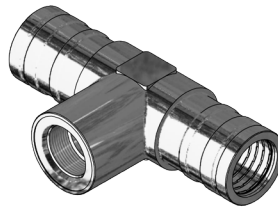
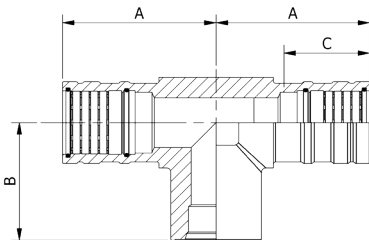


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM60089G08

Weldable Bulkhead, OD Tube - DM60089

Size NPS	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)



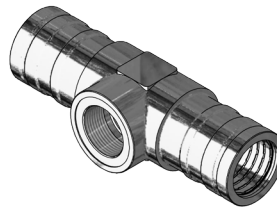
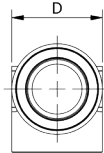
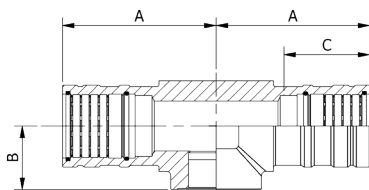
***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20171G04

SAE Female Branch Tee, NPS - DM20171

Size NPS	SAE Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	04	DM20171*04	1.75 (44.45)	1.38 (35.05)	1.13 (28.70)	0.86 (21.84)	0.41 (0.19)
3/8"	06	DM20171*06	2.00 (50.80)	1.63 (41.40)	1.38 (35.05)	1.06 (26.92)	0.71 (0.32)
1/2"	08	DM20171*08	2.68 (68.07)	2.25 (57.15)	1.50 (38.10)	1.30 (33.02)	1.44 (0.65)
3/4"	12	DM20171*12	3.03 (76.96)	2.50 (63.50)	1.75 (44.45)	1.58 (40.13)	2.26 (1.03)
1"	16	DM20171*16	3.37 (85.60)	2.88 (73.15)	2.00 (50.80)	1.97 (50.04)	3.83 (1.74)
1-1/4"	20	DM20171*20	4.25 (107.95)	3.25 (82.55)	2.38 (60.45)	2.50 (63.50)	7.40 (3.36)
1-1/2"	24	DM20171*24	4.54 (115.32)	3.50 (88.90)	2.50 (63.50)	2.81 (71.37)	10.06 (4.56)
2"	32	DM20171*32	5.45 (138.43)	4.00 (101.60)	3.50 (88.90)	3.25 (82.55)	14.11 (6.40)

DM 20 Series - NPS Pipe

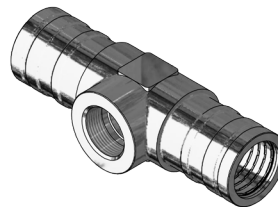
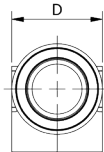
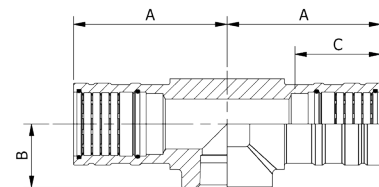


***MATERIAL CODE:**
K = STAINLESS STEEL
G = CARBON STEEL
B = COPPER NICKEL 70/30

ORDER EXAMPLE:
DM20172G04

BSPP Female Branch Tee, NPS - DM20172

Size NPS	BSPP Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM20172*04	1.75 (44.45)	1.00 (25.40)	1.13 (28.70)	0.86 (21.84)	0.33 (0.15)
3/8"	3/8"	DM20172*06	2.00 (50.80)	1.00 (25.40)	1.38 (35.05)	1.06 (26.92)	0.54 (0.24)
1/2"	1/2"	DM20172*08	2.68 (68.07)	1.25 (31.75)	1.50 (38.10)	1.30 (33.02)	1.06 (0.48)
3/4"	3/4"	DM20172*12	3.03 (76.96)	1.25 (31.75)	1.75 (44.45)	1.58 (40.13)	1.60 (0.73)
1"	1"	DM20172*16	3.37 (85.60)	1.50 (38.10)	2.00 (50.80)	1.97 (50.04)	2.80 (1.27)
1-1/4"	1-1/4"	DM20172*20	4.25 (107.95)	1.75 (44.45)	2.38 (60.45)	2.50 (63.50)	5.89 (2.67)
1-1/2"	1-1/2"	DM20172*24	4.54 (115.32)	2.00 (50.80)	2.50 (63.50)	2.69 (68.33)	7.11 (3.23)
2"	2"	DM20172*32	5.45 (138.43)	2.38 (60.45)	3.50 (88.90)	3.25 (82.55)	10.48 (4.75)



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

ORDER EXAMPLE:
DM20173G04

NPT Female Branch Tee, NPS - DM20173

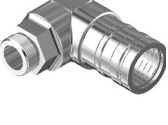
Size NPS	NPT Size	Part Number	Dimensions - Inch (mm)				*Weight K & G lbs (kg)
			A	B	C Insertion Depth	D	
1/4"	1/4"	DM20173*04	1.75 (44.45)	0.75 (19.05)	1.13 (28.70)	0.86 (21.84)	0.31 (0.14)
3/8"	3/8"	DM20173*06	2.00 (50.80)	1.00 (25.40)	1.38 (35.05)	1.06 (26.92)	0.56 (0.25)
1/2"	1/2"	DM20173*08	2.68 (68.07)	1.13 (28.70)	1.50 (38.10)	1.30 (33.02)	1.10 (0.50)
3/4"	3/4"	DM20173*12	3.03 (76.96)	1.25 (31.75)	1.75 (44.45)	1.58 (40.13)	1.70 (0.77)
1"	1"	DM20173*16	3.37 (85.60)	1.38 (35.05)	2.00 (50.80)	1.97 (50.04)	2.80 (1.27)
1-1/4"	1-1/4"	DM20173*20	4.25 (107.95)	1.75 (44.45)	2.38 (60.45)	2.50 (63.50)	5.70 (2.59)
1-1/2"	1-1/2"	DM20173*24	4.54 (115.32)	2.00 (50.80)	2.50 (63.50)	2.81 (71.37)	7.85 (3.56)
2"	2"	DM20173*32	5.45 (138.43)	2.00 (50.80)	3.50 (88.90)	3.25 (82.55)	13.60 (6.17)

3D step models available upon request

Specialty Fitting Configuration Guide

DM 20 Series - NPS Pipe

1/4" to 3"

					
JIC 37° 90° Elbow Male DM20355	JIC 37° Branch Tee Male DM20177	JIC 37° Run Tee Male DM20178	JIC 37° 90° Elbow Female Swivel DM20354	JIC 37° Branch Tee Female Swivel DM20170	NPT 90° Elbow Male DM20057
					
NPT Branch Tee Male DM20176	NPT Run Tee Male DM20181	NPT 90° Elbow Female DM20061	ORFS 90° Elbow Male DM20011	ORFS Branch Tee Male DM20013	ORFS Run Tee Male DM20014
					
ORFS 90° Elbow Female Swivel DM20021	ORFS Branch Tee Female Swivel DM20023	SAE 90° Elbow Male DM20105	SAE Branch Tee Male DM20174	SAE Run Tee Male DM20179	SAE 90° Elbow Female DM20387
					
BSPP 90° Elbow Male DM20168	BSPP Branch Tee Male DM20175	BSPP Run Tee Male DM20180	BSPP 90° Elbow Female DM20169	BSPP Cross Fitting with 2 Ports DM20221	BSPP Cross Fitting with 4 Ports DM20241
					
Flange - ANSI #900 DM20025	Flange - ANSI #1500 DM20026	Compact Elbow x Code 61 Flange DM20231	Compact Elbow x Code 62 Flange DM20232	90° PYPLOK® x SAE Code 61 Flange DM20391	90° PYPLOK® x SAE Code 62 Flange DM20392

Specialty Fitting Configuration Guide

DM 20 Series - NPS Pipe

1/4" to 3"

				
NPS to OD Tube Reducer DM20501	NPS to Metric Tube Reducer DM20801	CPV Female DM20040	CPV Male Union DM20041	Extra Long Coupling DM20301

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

[illegible]