

General Characteristics

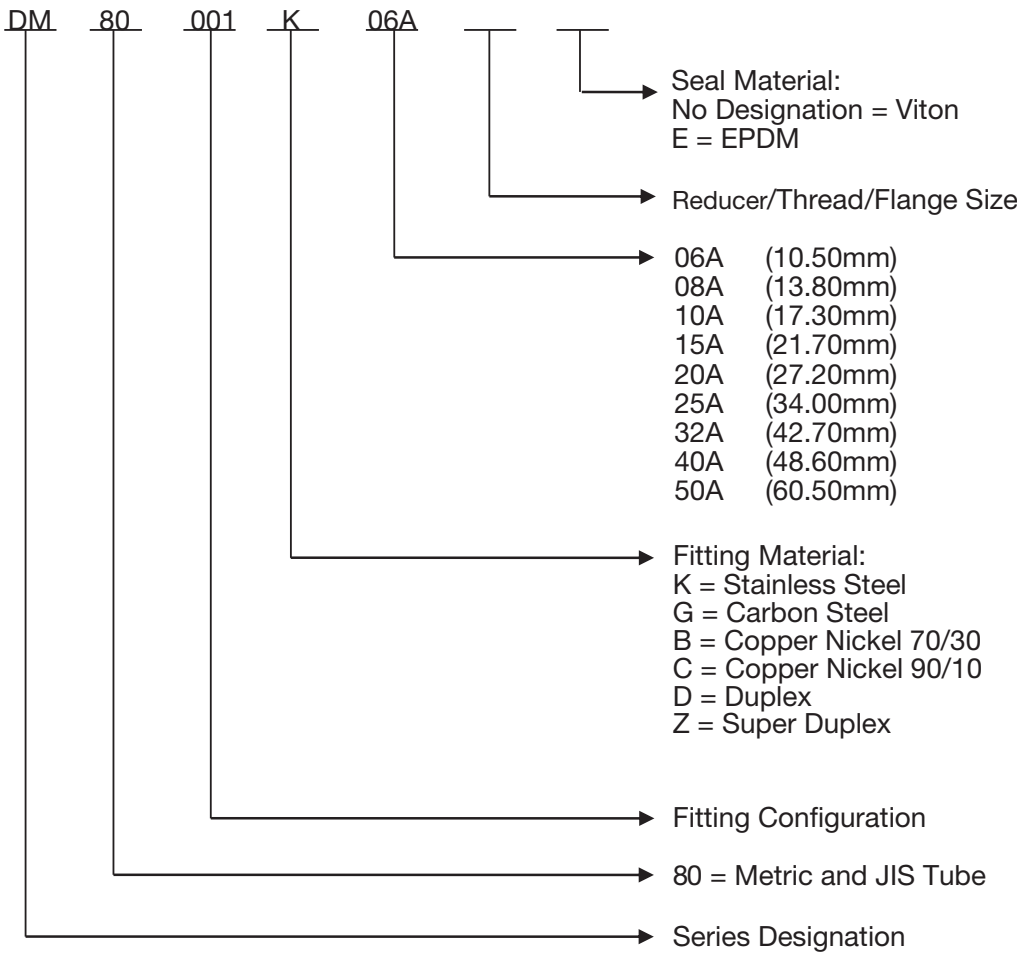
DM 80 Series - JIS Metric Tube

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



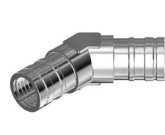
System design and safe application is the responsibility of the end-user. Consideration must be taken to confirm proper fitting selection is made to ensure proper compatibility, function and operation of the fitting within the piping system. The technical and performance information such as weights,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

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

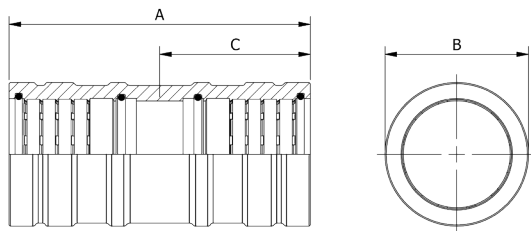
Standard Fitting Configuration Guide

DM 80 Series - JIS Metric Tube

06A to 50A

					
Coupling DM80001 Page E27	Coupling with Inner Stop DM80002 Page E27	90° Elbow DM80003 Page E28	45° Elbow DM80017 Page E28	Tee DM80004 Page E29	End Cap DM80085 Page E29

DM 80 Series - JIS Metric Tube

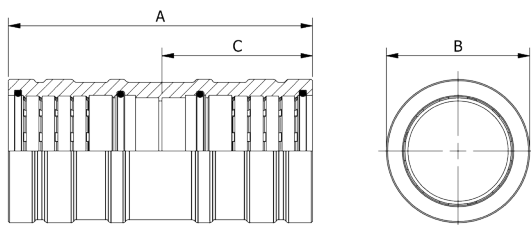


***MATERIAL CODE:**
K = STAINLESS STEEL
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ORDER EXAMPLE:
DM80001G06A

Coupling, Metric, JIS - DM80001

JIS Size	Part Number	Dimensions - mm (Inch)			*Weight K & G kg (lbs)
		A	B	C Insertion Depth	
06A	DM80001*06A	48.30 (1.90)	15.09 (0.59)	24.13 (0.95)	0.03 (0.06)
08A	DM80001*08A	54.00 (2.13)	18.59 (0.73)	27.00 (1.06)	0.05 (0.10)
10A	DM80001*10A	64.01 (2.52)	23.70 (0.93)	32.00 (1.26)	0.09 (0.19)
15A	DM80001*15A	74.17 (2.91)	28.70 (1.13)	37.08 (1.46)	0.15 (0.32)
20A	DM80001*20A	84.07 (3.31)	35.31 (1.39)	41.91 (1.65)	0.24 (0.53)
25A	DM80001*25A	93.98 (3.70)	41.91 (1.65)	46.99 (1.85)	0.39 (0.85)
32A	DM80001*32A	120.65 (4.75)	57.40 (2.26)	60.45 (2.38)	0.89 (1.96)
40A	DM80001*40A	127.00 (5.00)	65.53 (2.58)	63.50 (2.50)	1.26 (2.78)
50A	DM80001*50A	177.80 (7.00)	77.22 (3.04)	88.90 (3.50)	2.00 (4.40)



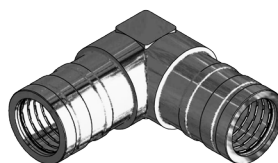
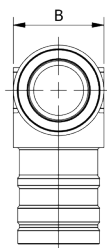
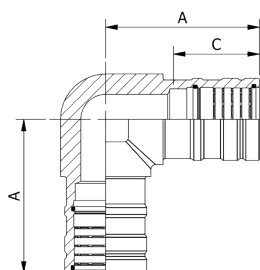
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ORDER EXAMPLE:
DM80002G06A

Coupling with Inner Stop, Metric, JIS - DM80002

JIS Size	Part Number	Dimensions - mm (Inch)			*Weight K & G kg (lbs)
		A	B	C Insertion Depth	
06A	DM80002*06A	49.53 (1.95)	15.09 (0.59)	24.13 (0.95)	0.06 (0.03)
08A	DM80002*08A	55.37 (2.18)	18.59 (0.73)	26.92 (1.06)	0.05 (0.10)
10A	DM80002*10A	65.28 (2.57)	23.70 (0.93)	32.00 (1.26)	0.09 (0.20)
15A	DM80002*15A	75.44 (2.97)	28.70 (1.13)	37.08 (1.46)	0.15 (0.32)
20A	DM80002*20A	85.34 (3.36)	35.31 (1.39)	41.91 (1.65)	0.24 (0.54)
25A	DM80002*25A	95.25 (3.75)	41.91 (1.65)	46.99 (1.85)	0.39 (0.85)
32A	DM80002*32A	121.92 (4.80)	57.40 (2.26)	60.45 (2.38)	0.89 (1.96)
40A	DM80002*40A	128.27 (5.05)	65.53 (2.58)	63.50 (2.50)	1.26 (2.78)
50A	DM80002*50A	179.07 (7.05)	77.22 (3.04)	88.90 (3.50)	2.00 (4.40)

DM 80 Series - JIS Metric Tube

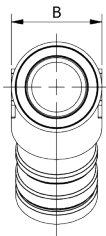
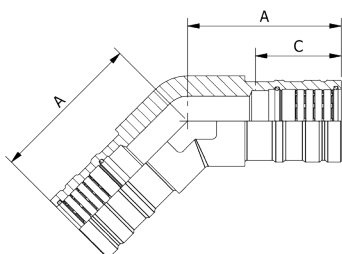


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ORDER EXAMPLE:
DM80003G06A

90° Elbow, Metric, JIS - DM80003

JIS Size	Part Number	Dimensions - mm (Inch)			*Weight K & G kg (lbs)
		A	B	C Insertion Depth	
06A	DM80003*06A	42.67 (1.68)	21.84 (0.86)	24.13 (0.95)	0.08 (0.18)
08A	DM80003*08A	45.29 (1.78)	21.84 (0.86)	26.92 (1.06)	0.09 (0.20)
10A	DM80003*10A	52.07 (2.05)	26.92 (1.06)	32.00 (1.26)	0.20 (0.43)
15A	DM80003*15A	73.15 (2.88)	33.02 (1.30)	37.08 (1.46)	0.36 (0.80)
20A	DM80003*20A	76.96 (3.03)	40.13 (1.58)	41.91 (1.65)	0.58 (1.27)
25A	DM80003*25A	85.60 (3.37)	50.04 (1.97)	46.99 (1.85)	1.13 (2.50)
32A	DM80003*32A	107.95 (4.25)	63.50 (2.50)	60.45 (2.38)	2.70 (5.95)
40A	DM80003*40A	115.32 (4.54)	71.37 (2.81)	63.50 (2.50)	3.22 (7.10)
50A	DM80003*50A	138.43 (5.45)	82.55 (3.25)	88.90 (3.50)	4.40 (9.70)



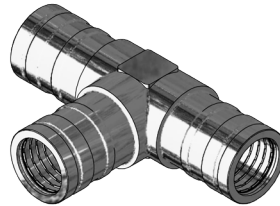
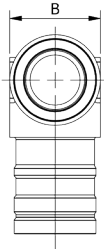
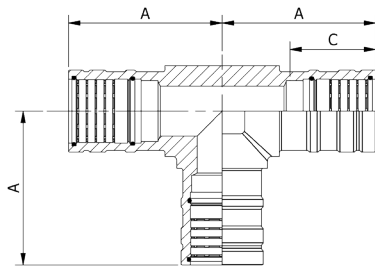
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ORDER EXAMPLE:
DM80017G06A

45° Elbow, Metric, JIS - DM80017

JIS Size	Part Number	Dimensions - mm (Inch)			*Weight K & G kg (lbs)
		A	B	C Insertion Depth	
06A	DM80017*06A	42.67 (1.68)	21.84 (0.86)	24.13 (0.95)	0.09 (0.19)
08A	DM80017*08A	45.21 (1.78)	21.84 (0.86)	26.92 (1.06)	0.13 (0.29)
10A	DM80017*10A	52.07 (2.05)	26.92 (1.06)	32.00 (1.26)	0.23 (0.50)
15A	DM80017*15A	73.15 (2.88)	33.02 (1.30)	37.08 (1.46)	0.46 (1.02)
20A	DM80017*20A	76.96 (3.03)	40.13 (1.58)	41.91 (1.65)	0.72 (1.59)
25A	DM80017*25A	85.60 (3.37)	50.04 (1.97)	46.99 (1.85)	1.22 (2.68)
32A	DM80017*32A	107.95 (4.25)	63.50 (2.50)	60.45 (2.38)	2.54 (5.60)
40A	DM80017*40A	115.32 (4.54)	71.37 (2.81)	63.50 (2.50)	3.36 (7.40)
50A	DM80017*50A	138.43 (5.45)	82.55 (3.25)	88.90 (3.50)	4.35 (9.60)

DM 80 Series - JIS Metric Tube

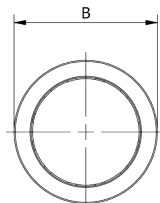
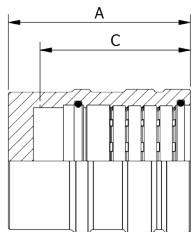


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ORDER EXAMPLE:
DM80004G06A

Tee, Metric, JIS - DM80004

JIS Size	Part Number	Dimensions - mm (Inch)			*Weight K & G kg (lbs)
		A	B	C Insertion Depth	
06A	DM80004*06A	42.67 (1.68)	21.84 (0.86)	24.13 (0.95)	0.09 (0.20)
08A	DM80004*08A	45.21 (1.78)	21.84 (0.86)	26.92 (1.06)	0.15 (0.34)
10A	DM80004*10A	52.07 (2.05)	26.92 (1.06)	32.00 (1.26)	0.29 (0.65)
15A	DM80004*15A	73.15 (2.88)	33.02 (1.30)	37.08 (1.46)	0.59 (1.30)
20A	DM80004*20A	76.96 (3.03)	40.13 (1.58)	41.91 (1.65)	0.91 (2.01)
25A	DM80004*25A	85.60 (3.37)	50.04 (1.97)	46.99 (1.85)	1.46 (3.22)
32A	DM80004*32A	107.95 (4.25)	63.50 (2.50)	60.45 (2.38)	3.22 (7.10)
40A	DM80004*40A	115.32 (4.54)	71.37 (2.81)	63.50 (2.50)	4.17 (9.20)
50A	DM80004*50A	138.43 (5.45)	82.55 (3.25)	88.90 (3.50)	5.55 (12.20)



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ORDER EXAMPLE:
DM80085G06A

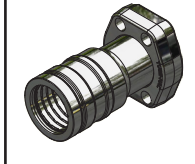
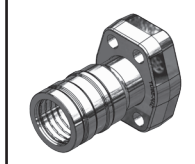
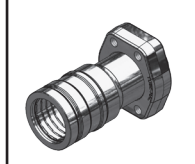
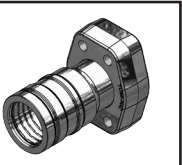
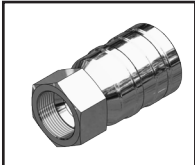
End Cap, Metric, JIS - DM80085

JIS Size	Part Number	Dimensions - mm (Inch)			*Weight K & G kg (lbs)
		A	B	C Insertion Depth	
06A	DM80085*06A	33.78 (1.33)	15.09 (0.59)	24.13 (0.95)	0.02 (0.05)
08A	DM80085*08A	37.59 (1.48)	18.59 (0.73)	26.92 (1.06)	0.04 (0.08)
10A	DM80085*10A	45.72 (1.80)	23.70 (0.93)	32.00 (1.26)	0.08 (0.17)
15A	DM80085*15A	55.63 (2.19)	28.70 (1.13)	37.08 (1.46)	0.14 (0.31)
20A	DM80085*20A	60.71 (2.39)	35.31 (1.39)	41.91 (1.65)	0.23 (0.50)
25A	DM80085*25A	65.53 (2.58)	41.91 (1.65)	46.99 (1.85)	0.34 (0.76)
32A	DM80085*32A	73.15 (2.88)	57.40 (2.26)	60.45 (2.38)	0.65 (1.44)
40A	DM80085*40A	76.20 (3.00)	65.53 (2.58)	63.50 (2.50)	0.90 (1.20)
50A	DM80085*50A	104.90 (4.13)	77.22 (3.04)	88.90 (3.50)	1.42 (3.13)

Specialty Fitting Configuration Guide

DM 80 Series - JIS Metric Tube

06A to 50A

 Reducer DM80101	 SAE Flange Body DM80090	 Reducing Tee DM80104	 ISO 6162-1 Flange DM80091	 ISO 6162-2 Flange DM80092	 ISO 6162-1 Tapped Flange DM80095
 ISO 6162-2 Tapped Flange DM80096	 JIC 37° Male DM80055	 JIC 37° Female Swivel DM80054	 BSPP Male DM80153	 BSPP Female DM80086	 DIN 24° Male DM80066
 DIN 24° Female Swivel DM80068	 Weldable Bulkhead DM80089	 BSPP Female Branch Tee DM80172			

Notes

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