
DAEHAN PRECISION INDUSTRY

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PRODUCTS LIST



DAEHAN PRECISION
INDUSTRY CO., LTD.

DH- 1 SERIES

Applicable hose	SAE	ISO	EN
	Push-Lok		

DH- 2 SERIES

Applicable hose	SAE	ISO	EN
	100R1 / 100R2	1463-1-1SN / 2SN	853-1SN / 2SN

DH- 3 SERIES

Applicable hose	SAE	ISO	EN
		3862-1-4SP	856-4SP

DH- 4 SERIES

Applicable hose	SAE	ISO	EN
	100R12	3862-1 R12	856 R12

DH- 5 SERIES

Applicable hose	SAE	ISO	EN
		3862-1-4SH	856-4SH

DH- 6 SERIES

Applicable hose	SAE	ISO	EN
	100R13	3862-1 R13	856 R13

DH- 7 SERIES

Applicable hose	SAE	ISO	EN
	100R13	3862-1 R15	

DH- R SERIES

Applicable hose	SAE	ISO	EN
	100R1/100R2	1436-1-1SN, 2SN	853-1SN

DH- R5 SERIES

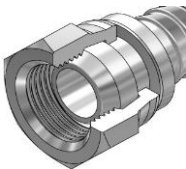
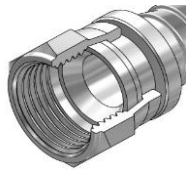
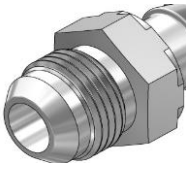
Applicable hose	SAE	ISO	EN
	100R5/J1402 AII/J1527 R3/J1942	7840	

ACCESSORIES

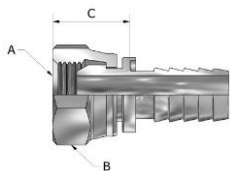
Applicable hose	SAE	ISO	EN

DH-1 SERIES



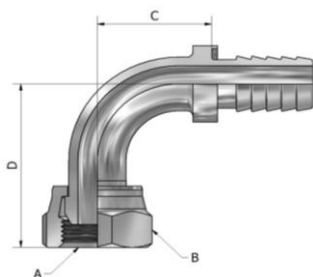
Applicable hose			SAE	ISO	EN				
Push-Lok									
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP1X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP105	X	DP195	
2	DP1X1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DP101	X	X	
3	DC1X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC104	X	DC194	
4	DC1X2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DC102	X	X	

DP105 SERIES(BSP Female Straight)

[LIST](#)


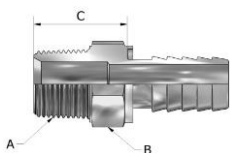
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
DP105-02-04	1/4	1/8-28	14.0	0.55	17.4	0.69				
DP105-04-04	1/4	1/4-19	19.0	0.75	20.0	0.79				
DP105-06-06	3/8	3/8-19	22.0	0.87	23.8	0.94				
DP105-08-08	1/2	1/2-14	27.0	1.06	26.9	1.06				
DP105-08-10	5/8	1/2-14	27.0	1.06	26.9	1.06				
DP105-12-12	3/4	3/4-14	32.0	1.26	29.0	1.14				

DP195 SERIES(BSP Female 90 ° Elbow)

[LIST](#)


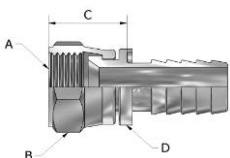
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
DP195-04-04	1/4	1/4-19	19.0	0.75	21.5	0.85	34.2	1.35		
DP195-06-06	3/8	3/8-19	22.0	0.87	25.5	1.00	40.4	1.59		
DP195-08-08	1/2	1/2-14	27.0	1.06	32.1	1.26	50.6	1.99		
DP195-12-12	3/4	3/4-14	32.0	1.26	42.0	1.65	64.0	2.52		
DP195-12-12B	3/4	3/4-14	32.0	1.26	33.6	1.32	45.0	1.77		

DP101 SERIES(BSP Male Straight)

[LIST](#)


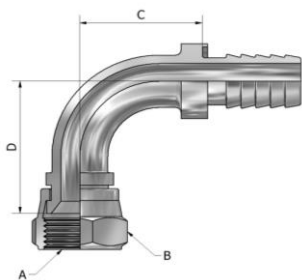
PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
DP101-02-04	1/4	1/8-28	17.0	0.67	17.3	0.68				
DP101-04-06	3/8	1/4-19	19.0	0.75	22.7	0.89				
DP101-06-06	3/8	3/8-19	19.0	0.75	24.2	0.95				
DP101-06-08	1/2	3/8-19	23.8	0.94	24.2	0.95				
DP101-08-08	1/2	1/2-14	23.8	0.94	27.7	1.09				
DP101-12-12	3/4	3/4-14	30.0	1.18	34.3	1.35				

DC104 SERIES(Female JIC 37 ° Swivel Straight)

[LIST](#)


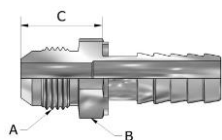
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
DC104-07-04	1/4	7/16-20	14.3	0.56	19.1	0.75	16.0	0.63		
DC104-09-04	1/4	9/16-18	17.5	0.69	21.3	0.84	16.0	0.63		
DC104-09-06	3/8	9/16-18	17.5	0.69	21.5	0.85	19.0	0.75		
DC104-12-06	3/8	3/4-16	22.2	0.87	24.5	0.96	19.0	0.75		
DC104-12-08	1/2	3/4-16	22.2	0.87	24.4	0.96	23.0	0.91		
DC104-14-08	1/2	7/8-14	25.4	1.00	27.1	1.07	23.0	0.91		
DC104-14-10	5/8	7/8-14	25.4	1.00	27.1	1.07	26.0	1.02		
DC104-14-12	3/4	7/8-14	25.4	1.00	27.5	1.08	30.0	1.18		
DC104-17-12	3/4	1-1/16-12	32.0	1.26	28.8	1.13	30.0	1.18		

DC194 SERIES(Female JIC 37 ° Swivel 90 ° Elbow)

[LIST](#)


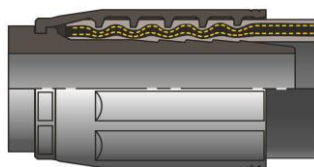
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
DC194-07-04	1/4	7/16-20	14.3	0.56	21.5	0.85	21.0	0.83		
DC194-09-04	1/4	9/16-18	17.5	0.69	21.5	0.85	22.0	0.87		
DC194-09-06	3/8	9/16-18	17.5	0.69	25.5	1.00	23.0	0.91		
DC194-09-06B	3/8	9/16-18	17.5	0.69	21.7	0.85	23.0	0.91		
DC194-12-06	3/8	3/4-16	22.2	0.87	25.5	1.00	28.0	1.10		
DC194-12-06B	3/8	3/4-16	22.2	0.87	21.7	0.85	26.7	1.05		
DC194-12-08	1/2	3/4-16	22.2	0.87	32.1	1.26	31.0	1.22		
DC194-14-08	1/2	7/8-14	25.4	1.00	32.1	1.26	32.5	1.28		
DC194-17-12	3/4	1-1/16-12	32.0	1.26	46.0	1.81	53.0	2.09		
DC194-17-12B	3/4	1-1/16-12	32.0	1.26	33.6	1.32	30.0	1.18		

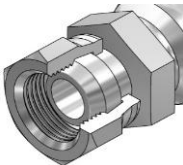
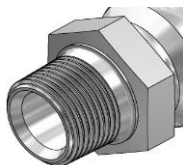
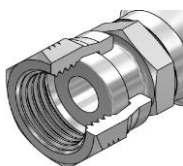
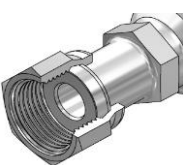
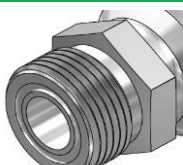
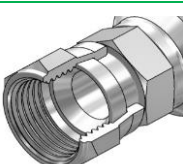
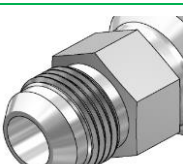
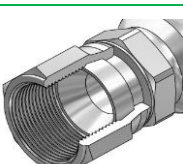
DC102 SERIES(Male JIC 37 °)

[LIST](#)


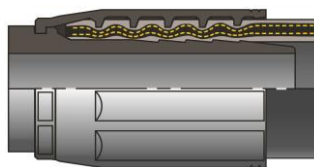
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
DC102-14-10	5/8	7/8-14	25.4	1.00	27.3	1.07				

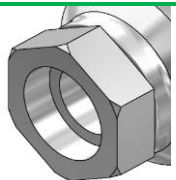
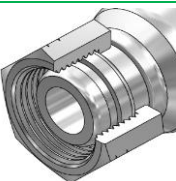
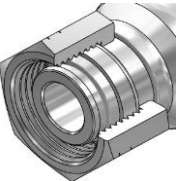
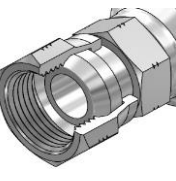
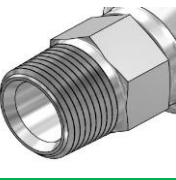
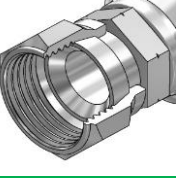
DH-2 SERIES



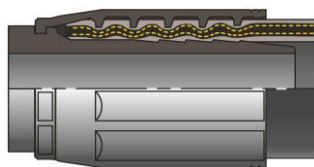
Applicable hose			SAE	ISO	EN				
			100R1 / 100R2	1463-1-1SN / 2SN	853-1SN / 2SN				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP2X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP205	DP245	DP295	
2	DP2X1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DP201	X	X	
3	DE2X5		P:Female BSP Parallel Pipe-Swivel-Flat Seat M:BSP Female Flat Seat		PF	DE205	X	X	
4	DE2X3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DE203	DE243	DE293	
5	DE2X0		P:Male Seal-Lok Rigid M:ORFS Male E:Male ORS(MR)	SAE J1453 ISO 12151-1-5	UNF	DE200	X	X	
6	DC2X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC204	DC244	DC294	
7	DC2X2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DC202	X	X	
8	DS2X6		P:Female Metric Swivel 30° Flare M:JIS Metric Female 60° Cone Seat(KOMATSU) E:Komatsu Female Swivel(KF)	JIS B 8363	METRIC	DS206	X	DS296	

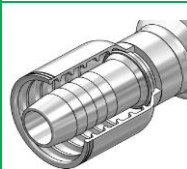
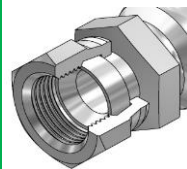
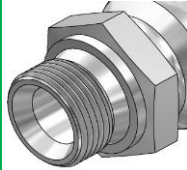
DH-2 SERIES



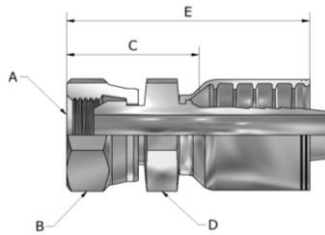
Applicable hose			SAE	ISO	EN				
			100R1 / 100R2	1463-1-1SN / 2SN	853-1SN / 2SN				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
9	DN2XL		Life Saver M: Brazing Tail			DN20L	X	X	
10	DD2X6		P: Female Metric Swivel - Ball Nose M: Metric Female Multi-Seal	DIN20078 /3863	METRIC	DD206	DD246	DD296	
11	DD2X6		P: Female Metric Swivel 24° Cone M: O-Ring Metric Female 24° Cone E: DKO Female Swivel	DIN20066 /3865 ISO 12151-2	METRIC	DD206	DD246	DD296	
12	DM2XC		P: Male Metric Rigid 24° Cone M: Metric Male 24° Cone Seat E: 24° Male	DIN20066 /3861 ISO 12151-2	METRIC	DM20C	X	X	
13	DP2X7		P: Female NPSM Pipe Swivel 60° Cone M: NPSM Female 30° Cone		NPSM	DP207	X	X	
14	DP2X9		P: Male NPTF Pipe Rigid M: NPTF Male 30° Cone Seat E: Male Pipe(MP)	SAE J 516	NPTF	DP209	X	X	
15	DA2X4		P: Female SAE 45° Swivel M: SAE Female 45° Cone Seat E: Female SAE 45° Swivel(FS)	SAE J 516 SAE J 512	UNF	DA204	X	DA294	
16	DF2XS		P: SAE Code 61 FlangeHead M: Straight SAE Flange 3000psi Code 61 E: SAE Code 61 Split Flange(FL)	SAE J 516 SAE J 518 ISO 12151-3		DF20S	DF24S	DF29S	

DH-2 SERIES



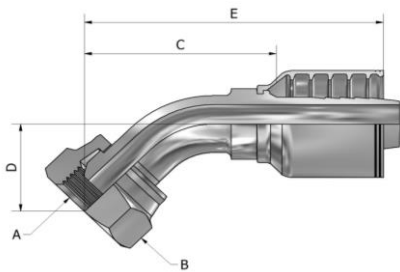
Applicable hose			SAE		ISO		EN		
			100R1 / 100R2		1463-1-1SN / 2SN		853-1SN / 2SN		
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
17	DF2XH		P:SAE Code 62 FlangeHead M:Straight SAE Flange 6000psi Code 62 E:SAE Code 62 Split Flange(FH)	SAE J 516 SAE J 518 ISO 12151-3		DF20H	DF24H	DF29H	
18	DN2XJ		Hose Joiner M:Double Connector			DN20J	X	X	
19	DB2XB		BSP Banjo M:BSP Banjo			DB20B	X	X	
20	DS2X5		P:Female JIS/BSP Parallel Pipe Swivel(30° Flare) M:JIS BSP Female 60° Cone Seat E:JIS Female Swivel(JF)	JIS B 8363	PF	DS205	X	DS295	
21	DP2XA		P:Male BSP Parallel Pipe Rigid 60° Cone M:BSP Male Parallel 60° Cone Seat E:BSP Male Parallel(BP)	BS 5200 ISO 12151-6	PF	DP20A	X	X	
22	DN2XP		P:Male Standpipe Metric Rigid M:Metric Standpipe	DIN 2353 ISO 8434		DN20P	DN24P	DN29P	

DP205 SERIES(BSP Female Straight)

[LIST](#)


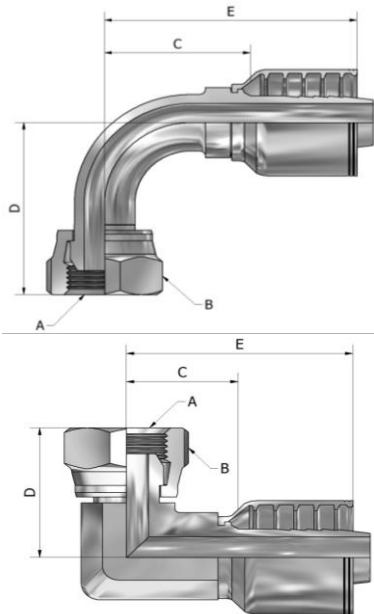
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DP205-02-04	1/4	1/8-28	14.0	0.55	29.4	1.16	14.0	0.55	49.7	1.96
DP205-04-04	1/4	1/4-19	19.0	0.75	32.7	1.29	19.0	0.75	53.0	2.09
DP205-04-06	3/8	1/4-19	19.0	0.75	33.5	1.32	19.0	0.75	60.7	2.39
DP205-06-04	1/4	3/8-19	22.0	0.87	36.2	1.43	22.0	0.87	56.5	2.22
DP205-06-05	5/16	3/8-19	22.0	0.87	36.7	1.44	22.0	0.87	57.7	2.27
DP205-06-06	3/8	3/8-19	22.0	0.87	36.8	1.45	22.0	0.87	64.0	2.52
DP205-06-08	1/2	3/8-19	22.0	0.87	37.9	1.49	22.0	0.87	68.1	2.68
DP205-08-06	3/8	1/2-14	27.0	1.06	40.5	1.59	27.0	1.06	67.7	2.67
DP205-08-08	1/2	1/2-14	27.0	1.06	41.0	1.61	27.0	1.06	71.2	2.80
DP205-08-10	5/8	1/2-14	27.0	1.06	41.6	1.64	27.0	1.06	76.9	3.03
DP205-08-12	3/4	1/2-14	27.0	1.06	42.6	1.68	27.0	1.06	78.0	3.07
DP205-10-08	1/2	5/8-14	28.6	1.12	38.2	1.50	27.0	1.06	68.4	2.69
DP205-10-10	5/8	5/8-14	28.6	1.12	38.7	1.52	27.0	1.06	74.0	2.91
DP205-12-08	1/2	3/4-14	36.0	1.42	45.5	1.79	36.0	1.42	75.7	2.98
DP205-12-08H32	1/2	3/4-14	32.0	1.26	45.5	1.79	32.0	1.26	75.7	2.98
DP205-12-10	5/8	3/4-14	36.0	1.42	46.0	1.81	36.0	1.42	81.3	3.20
DP205-12-10H32	5/8	3/4-14	32.0	1.26	46.0	1.81	32.0	1.26	81.3	3.20
DP205-12-12	3/4	3/4-14	36.0	1.42	46.0	1.81	36.0	1.42	81.4	3.20
DP205-12-12H32	3/4	3/4-14	32.0	1.26	46.0	1.81	32.0	1.26	81.4	3.20
DP205-16-12	3/4	1"-11	41.0	1.61	50.2	1.98	41.0	1.61	85.6	3.37
DP205-16-16	1"	1"-11	41.0	1.61	52.7	2.07	41.0	1.61	93.5	3.68
DP205-20-16	1"	1-1/4-11	50.0	1.97	59.9	2.36	50.0	1.97	100.7	3.96
DP205-20-20	1-1/4	1-1/4-11	50.0	1.97	60.3	2.37	50.0	1.97	104.0	4.09
DP205-24-20	1-1/4	1-1/2-11	60.0	2.36	60.9	2.40	60.0	2.36	104.6	4.12
DP205-24-24	1-1/2	1-1/2-11	60.0	2.36	62.8	2.47	55.0	2.17	97.2	3.83
DP205-32-24	1-1/2	2"-11	70.0	2.76	69.7	2.74	70.0	2.76	104.1	4.10
DP205-32-32	2"	2"-11	70.0	2.76	70.7	2.78	70.0	2.76	114.6	4.51

DP245 SERIES(BSP Female 45° Elbow)

[LIST](#)


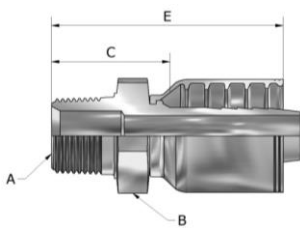
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DP245-04-04	1/4	1/4-19	19.0	0.75	40.3	1.59	19.8	0.78	59.8	2.35
DP245-06-04	1/4	3/8-19	22.0	0.87	42.7	1.68	22.2	0.87	63.0	2.48
DP245-06-06	3/8	3/8-19	22.0	0.87	44.9	1.77	22.2	0.87	72.1	2.84
DP245-08-06	3/8	1/2-14	27.0	1.06	58.5	2.30	28.8	1.13	85.7	3.37
DP245-08-08	1/2	1/2-14	27.0	1.06	53.8	2.12	28.0	1.10	84.0	3.31
DP245-10-08	1/2	5/8-14	28.6	1.12	49.7	1.96	27.6	1.09	83.9	3.30
DP245-10-10	5/8	5/8-14	28.6	1.12	53.0	2.09	24.3	0.96	88.3	3.48
DP245-12-10	5/8	3/4-14	36.0	1.42	60.4	2.38	29.2	1.15	95.7	3.77
DP245-12-10H32	5/8	3/4-14	32.0	1.26	60.4	2.38	29.2	1.15	95.7	3.77
DP245-12-12	3/4	3/4-14	36.0	1.42	68.0	2.68	32.3	1.27	103.3	4.07
DP245-12-12H32	3/4	3/4-14	32.0	1.26	68.0	2.68	32.3	1.27	103.3	4.07
DP245-16-12	3/4	1"-11	41.0	1.61	72.2	2.84	37.4	1.47	107.5	4.23
DP245-16-16	1"	1"-11	41.0	1.61	86.0	3.39	40.4	1.59	126.8	4.99
DP245-20-20	1-1/4	1-1/4-11	50.0	1.97	114.8	4.52	55.5	2.19	158.5	6.24
DP245-24-24	1-1/2	1-1/2-11	55.0	2.17	130.0	5.12	60.1	2.37	164.4	6.47
DP245-32-32	2"	2"-11	70.0	2.76	159.1	6.26	68.8	2.71	203.0	7.99

DP295 SERIES(BSP Female 90 ° Elbow)

[LIST](#)


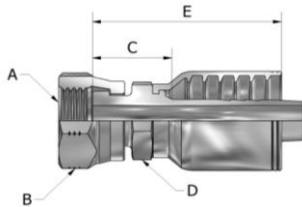
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DP295-04-04	1/4	1/4-19	19.0	0.75	25.7	1.01	34.4	1.35	45.3	1.78
DP295-04-04B	1/4	1/4-19	19.0	0.75	21.8	0.86	29.6	1.17	41.4	1.63
DP295-04-04D49	1/4	1/4-19	19.0	0.75	25.7	1.01	54.2	2.13	45.3	1.78
DP295-04-06	3/8	1/4-19	19.0	0.75	31.0	1.22	35.3	1.39	58.2	2.29
DP295-06-04	1/4	3/8-19	22.0	0.87	25.7	1.01	40.4	1.59	45.3	1.78
DP295-06-06	3/8	3/8-19	22.0	0.87	30.3	1.19	40.4	1.59	57.5	2.26
DP295-06-06B	3/8	3/8-19	22.0	0.87	26.3	1.04	35.4	1.39	53.5	2.11
DP295-06-06D55	3/8	3/8-19	22.0	0.87	30.3	1.19	62.4	2.46	57.5	2.26
DP295-08-06	3/8	1/2-14	27.0	1.06	38.5	1.52	50.6	1.99	65.7	2.59
DP295-08-08	1/2	1/2-14	27.0	1.06	37.8	1.49	50.6	1.99	68.0	2.68
DP295-08-08B	1/2	1/2-14	27.0	1.06	28.5	1.12	42.0	1.65	62.7	2.47
DP295-08-08D80	1/2	1/2-14	27.0	1.06	34.9	1.37	89.7	3.53	65.1	2.56
DP295-10-10	5/8	5/8-14	28.6	1.12	40.3	1.59	51.8	2.04	75.6	2.98
DP295-12-08	1/2	3/4-14	36.0	1.42	37.8	1.49	51.3	2.02	68.0	2.68
DP295-12-08H32	1/2	3/4-14	32.0	1.26	37.8	1.49	51.3	2.02	68.0	2.68
DP295-12-10	5/8	3/4-14	36.0	1.42	48.3	1.90	59.0	2.32	83.6	3.29
DP295-12-10H32	5/8	3/4-14	32.0	1.26	48.3	1.90	59.0	2.32	83.6	3.29
DP295-12-12	3/4	3/4-14	36.0	1.42	52.3	2.06	64.0	2.52	87.6	3.45
DP295-12-12H32	3/4	3/4-14	32.0	1.26	52.3	2.06	64.0	2.52	87.6	3.45
DP295-12-12B	3/4	3/4-14	36.0	1.42	37.9	1.49	45.0	1.77	73.2	2.88
DP295-16-16	1"	1"-11	41.0	1.61	78.8	3.10	84.0	3.31	119.6	4.71
DP295-16-16D110	1"	1"-11	41.0	1.61	78.8	3.10	120.5	4.74	119.6	4.71
DP295-20-20	1-1/4	1-1/4-11	50.0	1.97	85.7	3.37	101.9	4.01	129.4	5.09
DP295-24-24	1-1/2	1-1/2-11	55.0	2.17	102.1	4.02	120.0	4.72	136.5	5.37
DP295-32-32	2"	2"-11	70.0	2.76	141.5	5.57	152.9	6.02	185.4	7.30

DP201 SERIES(BSP Male Straight)

[LIST](#)


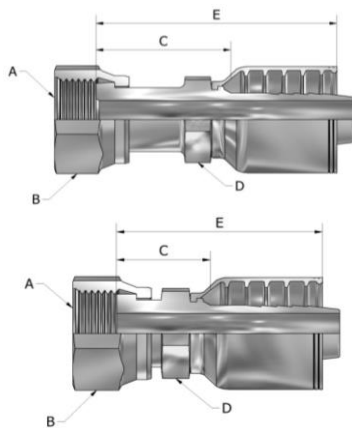
PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			A		B		C		E	
DP201-02-04	1/4	1/8-28	14.3	0.56	24.7	0.97	45.0	1.77		
DP201-04-04H14.3	1/4	1/4-19	14.3	0.56	28.2	1.11	47.8	1.88		
DP201-04-04	1/4	1/4-19	19.0	0.75	28.0	1.10	47.6	1.87		
DP201-04-06	3/8	1/4-19	19.0	0.75	31.4	1.24	58.6	2.31		
DP201-06-04	1/4	3/8-19	22.0	0.87	30.1	1.19	49.7	1.96		
DP201-06-06	3/8	3/8-19	22.0	0.87	30.7	1.21	57.9	2.28		
DP201-06-08	1/2	3/8-19	22.0	0.87	32.0	1.26	62.2	2.45		
DP201-08-04	1/4	1/2-14	27.0	1.06	34.7	1.37	54.3	2.14		
DP201-08-06	3/8	1/2-14	27.0	1.06	35.3	1.39	62.5	2.46		
DP201-08-08	1/2	1/2-14	27.0	1.06	35.8	1.41	66.0	2.60		
DP201-08-10	5/8	1/2-14	27.0	1.06	36.3	1.43	71.6	2.82		
DP201-08-12	3/4	1/2-14	27.0	1.06	40.3	1.59	75.7	2.98		
DP201-12-10	5/8	3/4-14	36.0	1.42	40.4	1.59	75.7	2.98		
DP201-12-12	3/4	3/4-14	36.0	1.42	40.4	1.59	75.8	2.98		
DP201-16-12	3/4	1"-11	41.0	1.61	45.2	1.78	80.6	3.17		
DP201-16-16	1"	1"-11	41.0	1.61	47.6	1.87	88.4	3.48		
DP201-20-20	1-1/4	1-1/4-11	50.0	1.97	52.6	2.07	96.3	3.79		
DP201-24-24	1-1/2	1-1/2-11	60.0	2.36	52.8	2.08	87.2	3.43		
DP201-32-32	2"	2"-11	70.0	2.76	63.1	2.48	107.0	4.21		

DE205 SERIES(Female BSP Parallel - Flat Seat)

[LIST](#)


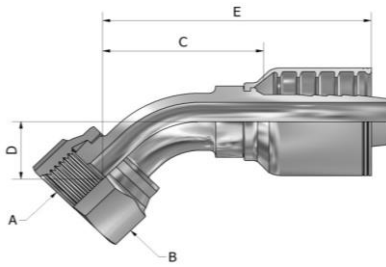
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	DAEHAN	Inch
		A	B		C		D		E	
DE205-06-06	3/8	3/8-19	22.0	0.87	25.7	1.01	17.5	0.69	52.9	2.08
DE205-08-06	3/8	1/2-14	27.0	1.06	25.1	0.99	20.6	0.81	52.3	2.06
DE205-08-08	1/2	1/2-14	27.0	1.06	25.5	1.00	22.0	0.87	55.7	2.19

DE203 SERIES(Female Seal Lok O-Ring Face Seal Straight)

[LIST](#)


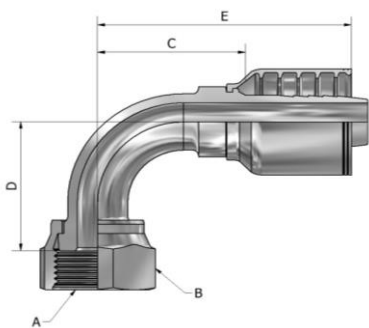
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE203-09-04	1/4	9/16-18	17.5	0.69	33.1	1.30	14.3	0.56	52.7	2.07
DE203-09-04S	1/4	9/16-18	17.5	0.69	22.0	0.87	14.3	0.56	42.3	1.67
DE203-09-06	3/8	9/16-18	17.5	0.69	33.5	1.32	17.5	0.69	60.7	2.39
DE203-11-04	1/4	11/16-16	22.0	0.87	31.6	1.24	17.5	0.69	51.2	2.02
DE203-11-04S	1/4	11/16-16	22.0	0.87	23.0	0.91	17.5	0.69	42.6	1.68
DE203-11-06	3/8	11/16-16	22.0	0.87	32.2	1.27	17.5	0.69	59.4	2.34
DE203-11-06S	3/8	11/16-16	22.0	0.87	23.6	0.93	17.5	0.69	50.8	2.00
DE203-11-08	1/2	11/16-16	22.0	0.87	32.7	1.29	20.6	0.81	62.9	2.48
DE203-13-06	3/8	13/16-16	23.8	0.94	38.5	1.52	20.6	0.81	65.7	2.59
DE203-13-06S	3/8	13/16-16	23.8	0.94	25.1	0.99	20.6	0.81	52.3	2.06
DE203-13-08	1/2	13/16-16	23.8	0.94	39.8	1.57	22.0	0.87	70.0	2.76
DE203-13-08S	1/2	13/16-16	23.8	0.94	25.5	1.00	22.0	0.87	55.7	2.19
DE203-16-06	3/8	1"-14	30.0	1.18	44.5	1.75	23.8	0.94	71.7	2.82
DE203-16-08	1/2	1"-14	30.0	1.18	42.8	1.69	23.8	0.94	73.0	2.87
DE203-16-08S	1/2	1"-14	30.0	1.18	27.6	1.09	23.8	0.94	57.8	2.28
DE203-16-10	5/8	1"-14	30.0	1.18	43.3	1.70	23.8	0.94	78.6	3.09
DE203-16-10S	5/8	1"-14	30.0	1.18	28.1	1.11	23.8	0.94	63.4	2.50
DE203-16-12	3/4	1"-14	30.0	1.18	46.0	1.81	27.0	1.06	81.4	3.20
DE203-19-08	1/2	1-3/16-12	36.0	1.42	48.1	1.89	28.6	1.12	78.3	3.08
DE203-19-10	5/8	1-3/16-12	36.0	1.42	48.0	1.89	28.6	1.12	83.3	3.28
DE203-19-10S	5/8	1-3/16-12	36.0	1.42	32.7	1.29	28.6	1.12	67.9	2.67
DE203-19-12	3/4	1-3/16-12	36.0	1.42	48.6	1.91	28.6	1.12	84.0	3.31
DE203-19-12S	3/4	1-3/16-12	36.0	1.42	32.6	1.28	28.6	1.12	68.0	2.68
DE203-19-16	1"	1-3/16-12	36.0	1.42	51.5	2.03	35.0	1.38	92.3	3.63
DE203-23-12	3/4	1-7/16-12	41.0	1.61	50.2	1.98	35.0	1.38	85.6	3.37
DE203-23-16	1"	1-7/16-12	41.0	1.61	51.1	2.01	35.0	1.38	91.9	3.62
DE203-23-16S	1"	1-7/16-12	41.0	1.61	38.9	1.53	35.0	1.38	79.7	3.14
DE203-23-20	1-1/4	1-7/16-12	41.0	1.61	52.2	2.06	44.5	1.75	95.8	3.77
DE203-27-16	1"	1-11/16-12	50.0	1.97	55.2	2.17	41.0	1.61	96.0	3.78
DE203-27-20	1-1/4	1-11/16-12	50.0	1.97	52.1	2.05	46.0	1.81	95.8	3.77
DE203-27-20S	1-1/4	1-11/16-12	50.0	1.97	39.4	1.55	46.0	1.81	83.1	3.27
DE203-32-24	1-1/2	2"-12	60.0	2.36	64.0	2.52	50.8	2.00	98.4	3.87
DE203-32-24S	1-1/2	2"-12	60.0	2.36	41.4	1.63	50.8	2.00	75.8	2.98

DE243 SERIES(Female Seal Lok O-Ring Face Seal 45 ° Elbow)

[LIST](#)


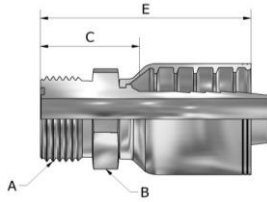
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE243-09-04	1/4	9/16-18	17.5	0.69	30.5	1.20	10.0	0.39	50.8	2.00
DE243-11-04	1/4	11/16-16	22.0	0.87	31.3	1.23	10.9	0.43	50.9	2.00
DE243-11-06	3/8	11/16-16	22.0	0.87	33.7	1.33	11.0	0.43	60.9	2.40
DE243-13-06	3/8	13/16-16	23.8	0.94	39.6	1.56	15.0	0.59	66.8	2.63
DE243-13-08	1/2	13/16-16	23.8	0.94	41.0	1.61	15.0	0.59	71.2	2.80
DE243-16-08	1/2	1"-14	30.0	1.18	43.6	1.72	16.0	0.63	73.8	2.91
DE243-16-10	5/8	1"-14	30.0	1.18	44.2	1.74	16.0	0.63	79.4	3.13
DE243-19-10	5/8	1-3/16-12	36.0	1.42	56.8	2.24	21.0	0.83	92.1	3.63
DE243-19-12	3/4	1-3/16-12	36.0	1.42	56.8	2.24	21.1	0.83	92.2	3.63
DE243-23-12	3/4	1-7/16-12	41.0	1.61	62.2	2.45	26.5	1.04	97.6	3.84
DE243-23-16	1"	1-7/16-12	41.0	1.61	70.2	2.76	24.0	0.94	111.0	4.37
DE243-23-20	1-1/4	1-7/16-12	41.0	1.61	68.9	2.71	24.0	0.94	112.6	4.43
DE243-27-20	1-1/4	1-11/16-12	50.0	1.97	101.2	3.98	41.0	1.61	144.9	5.70
DE243-32-24	1-1/2	2"-12	60.0	2.36	119.9	4.72	48.0	1.89	154.3	6.07

DE293 SERIES(Female Seal Lok O-Ring Face Seal 90 ° Elbow)

[LIST](#)


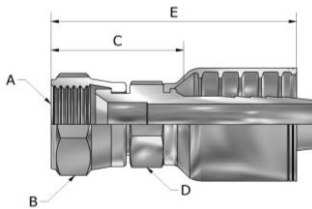
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE293-09-04	1/4	9/16-18	17.5	0.69	25.7	1.01	21.1	0.83	46.0	1.81
DE293-09-04D46	1/4	9/16-18	17.5	0.69	25.7	1.01	46.0	1.81	46.0	1.81
DE293-11-04	1/4	11/16-16	22.0	0.87	25.7	1.01	23.0	0.91	45.3	1.78
DE293-11-06	3/8	11/16-16	22.0	0.87	30.3	1.19	23.0	0.91	57.5	2.26
DE293-11-06D54	3/8	11/16-16	22.0	0.87	30.3	1.19	54.0	2.13	57.5	2.26
DE293-11-06D75	3/8	11/16-16	22.0	0.87	30.3	1.19	75.0	2.95	57.5	2.26
DE293-13-06	3/8	13/16-16	23.8	0.94	32.2	1.27	29.0	1.14	59.4	2.34
DE293-13-06D64	3/8	13/16-16	23.8	0.94	32.2	1.27	64.0	2.52	59.4	2.34
DE293-13-08	1/2	13/16-16	23.8	0.94	34.8	1.37	29.0	1.14	65.0	2.56
DE293-13-08B	1/2	13/16-16	23.8	0.94	32.5	1.28	29.3	1.15	62.7	2.47
DE293-13-08D63.8	1/2	13/16-16	23.8	0.94	34.8	1.37	63.8	2.51	65.0	2.56
DE293-16-08	1/2	1"-14	30.0	1.18	37.9	1.49	32.0	1.26	68.1	2.68
DE293-16-08D70	1/2	1"-14	30.0	1.18	34.9	1.37	70.0	2.76	65.1	2.56
DE293-16-10	5/8	1"-14	30.0	1.18	39.3	1.55	32.0	1.26	74.6	2.94
DE293-16-10D70	5/8	1"-14	30.0	1.18	39.3	1.55	70.0	2.76	74.6	2.94
DE293-19-08	1/2	1-3/16-12	36.0	1.42	34.8	1.37	43.0	1.69	65.0	2.56
DE293-19-10	5/8	1-3/16-12	36.0	1.42	45.7	1.80	48.0	1.89	81.0	3.19
DE293-19-12	3/4	1-3/16-12	36.0	1.42	53.3	2.10	48.0	1.89	88.7	3.49
DE293-19-12D96	3/4	1-3/16-12	36.0	1.42	53.3	2.10	96.0	3.78	88.7	3.49
DE293-23-12	3/4	1-7/16-12	41.0	1.61	53.3	2.10	56.0	2.20	88.7	3.49
DE293-23-16	1"	1-7/16-12	41.0	1.61	68.5	2.70	56.0	2.20	109.3	4.30
DE293-23-16D114	1"	1-7/16-12	41.0	1.61	68.5	2.70	114.0	4.49	109.3	4.30
DE293-23-20	1-1/4	1-7/16-12	41.0	1.61	67.2	2.65	58.0	2.28	110.9	4.37
DE293-27-16	1"	1-11/16-12	50.0	1.97	63.8	2.51	75.0	2.95	104.6	4.12
DE293-27-20	1-1/4	1-11/16-12	50.0	1.97	85.8	3.38	82.0	3.23	129.5	5.10
DE293-32-20	1-1/4	2"-12	60.0	2.36	85.8	3.38	84.0	3.3	129.5	5.10

DE200 SERIES(Male Seal-Lok)

[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		E				
DE200-09-04	1/4	9/16-18	17.0	0.67	24.2	0.95	44.5	1.75	
DE200-11-04	1/4	11/16-16	19.0	0.75	25.4	1.00	45.7	1.80	
DE200-11-06	3/8	11/16-16	19.0	0.75	26.0	1.02	53.2	2.09	
DE200-13-06	3/8	13/16-16	22.0	0.87	31.3	1.23	58.5	2.30	
DE200-13-08	1/2	13/16-16	22.0	0.87	31.8	1.25	62.0	2.44	
DE200-16-08	1/2	1"-14	27.0	1.06	36.8	1.45	67.0	2.64	
DE200-16-10	5/8	1"-14	27.0	1.06	37.3	1.47	72.6	2.86	
DE200-19-10	5/8	1-3/16-12	32.0	1.26	34.5	1.36	69.8	2.75	
DE200-19-12	3/4	1-3/16-12	32.0	1.26	34.5	1.36	69.9	2.75	
DE200-23-12	3/4	1-7/16-12	38.0	1.50	42.0	1.65	77.4	3.05	
DE200-23-16	1"	1-7/16-12	38.0	1.50	46.2	1.82	87.0	3.43	
DE200-27-20	1-1/4	1-11/16-12	44.5	1.75	44.5	1.75	88.2	3.47	

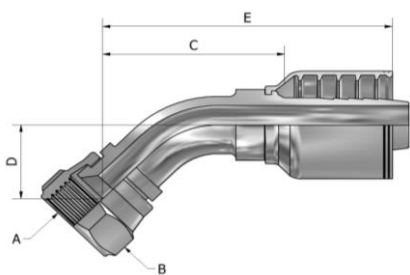
DC204 SERIES(Female JIC 37° Swivel Straight)

[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		D		E		
DC204-07-03	3/16	7/16-20	14.3	0.56	32.2	1.27	14.3	0.56	47.9
DC204-07-04	1/4	7/16-20	14.3	0.56	29.8	1.17	14.3	0.56	50.1
DC204-07-06	3/8	7/16-20	14.3	0.56	30.0	1.18	17.5	0.69	57.2
DC204-08-04	1/4	1/2-20	15.9	0.62	31.3	1.23	14.3	0.56	51.6
DC204-08-05	5/16	1/2-20	15.9	0.62	32.4	1.28	17.5	0.69	53.4
DC204-08-08	1/2	1/2-20	15.9	0.62	33.8	1.33	20.6	0.81	64.0
DC204-09-03	3/16	9/16-18	17.5	0.69	34.5	1.36	17.5	0.69	50.2
DC204-09-04	1/4	9/16-18	17.5	0.69	32.7	1.29	14.3	0.56	53.0
DC204-09-05	5/16	9/16-18	17.5	0.69	33.2	1.31	17.5	0.69	54.2
DC204-09-06	3/8	9/16-18	17.5	0.69	32.5	1.28	17.5	0.69	59.7
DC204-09-08	1/2	9/16-18	17.5	0.69	33.0	1.30	20.6	0.81	63.2
DC204-12-04	1/4	3/4-16	22.2	0.87	37.5	1.48	20.6	0.81	57.8
DC204-12-06	3/8	3/4-16	22.2	0.87	35.4	1.39	17.5	0.69	62.6
DC204-12-08	1/2	3/4-16	22.2	0.87	38.6	1.52	20.6	0.81	68.8
DC204-12-10	5/8	3/4-16	22.2	0.87	36.3	1.43	23.8	0.94	71.6
DC204-12-12	3/4	3/4-16	22.2	0.87	36.4	1.43	27.0	1.06	71.8
DC204-14-06	3/8	7/8-14	25.4	1.00	41.0	1.61	22.2	0.87	68.2
DC204-14-08	1/2	7/8-14	25.4	1.00	41.5	1.63	22.2	0.87	71.7
DC204-14-10	5/8	7/8-14	25.4	1.00	39.2	1.54	23.8	0.94	74.5
DC204-14-12	3/4	7/8-14	25.4	1.00	38.9	1.53	27.0	1.06	74.4
DC204-17-06	3/8	1-1/16-12	31.8	1.25	42.6	1.68	27.0	1.06	69.8
DC204-17-08	1/2	1-1/16-12	31.8	1.25	39.8	1.57	27.0	1.06	70.0
DC204-17-10	5/8	1-1/16-12	31.8	1.25	43.6	1.72	27.0	1.06	78.9
DC204-17-12	3/4	1-1/16-12	31.8	1.25	45.1	1.78	27.0	1.06	80.5
DC204-17-16	1"	1-1/16-12	31.8	1.25	47.9	1.89	35.0	1.38	88.7
DC204-19-12	3/4	1-3/16-12	36.0	1.42	45.7	1.80	31.8	1.25	81.1
DC204-21-12	3/4	1-5/16-12	38.0	1.50	48.0	1.89	31.8	1.25	83.4
DC204-21-16	1"	1-5/16-12	38.0	1.50	50.5	1.99	35.0	1.38	91.3
DC204-21-20	1-1/4	1-5/16-12	38.0	1.50	52.4	2.06	47.6	1.87	96.1
DC204-26-16	1"	1-5/8-12	50.0	1.97	56.4	2.22	41.3	1.62	97.2
DC204-26-20	1-1/4	1-5/8-12	50.0	1.97	56.7	2.23	47.6	1.87	100.4
DC204-30-20	1-1/4	1-7/8-12	55.0	2.17	59.8	2.35	54.0	2.13	103.4
DC204-30-24	1-1/2	1-7/8-12	55.0	2.17	61.7	2.43	54.0	2.13	96.1
DC204-40-32	2"	2-1/2-12	73.0	2.87	77.2	3.04	63.5	2.50	121.1

DC244 SERIES(Female JIC 37 ° Swivel 45 ° Elbow)

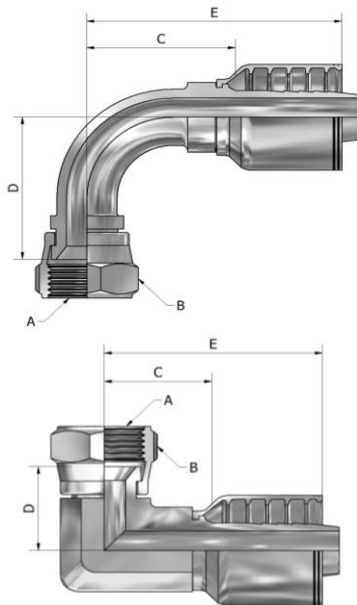
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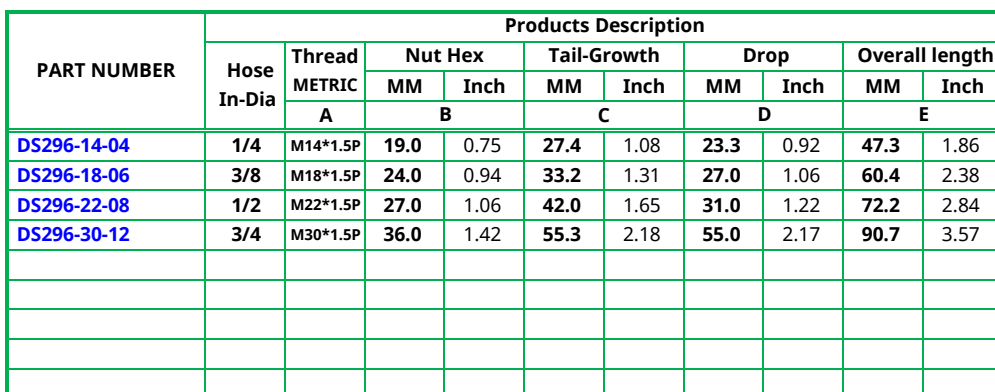
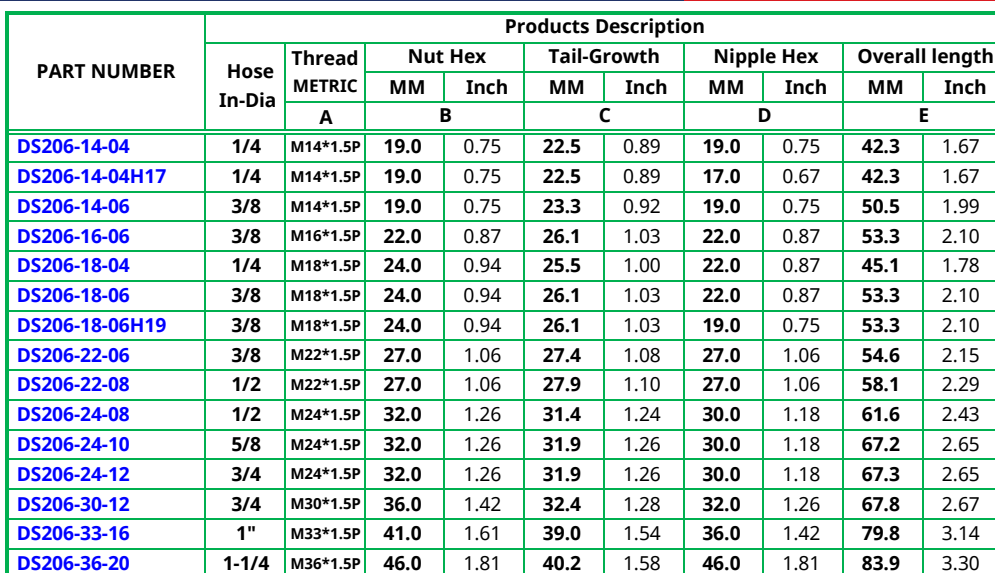
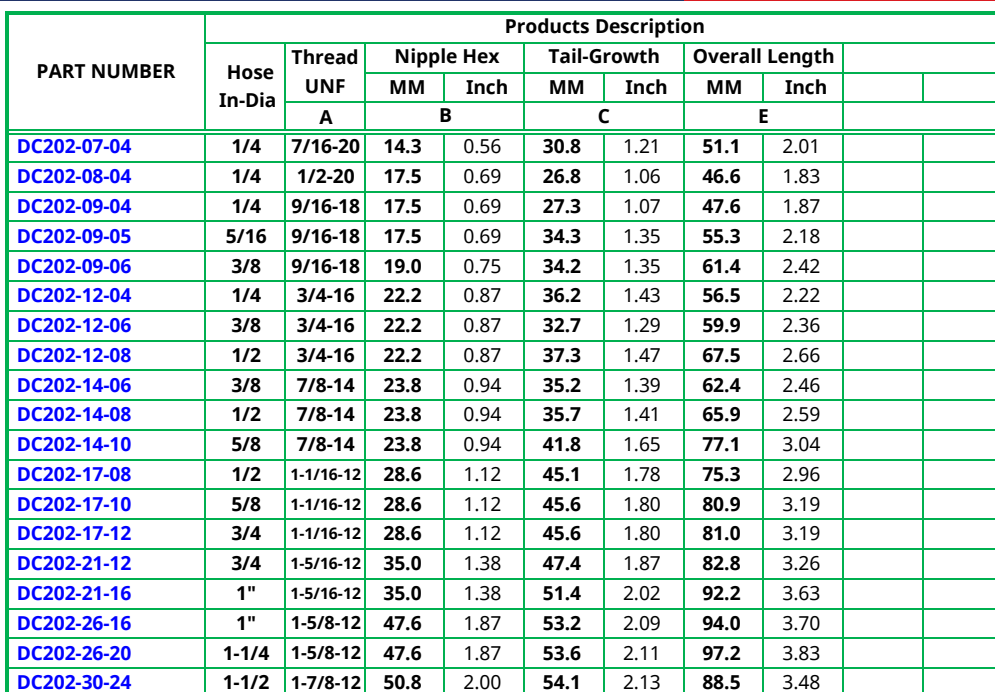
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DC244-07-04	1/4	7/16-20	14.3	0.56	30.4	1.20	10.0	0.39	50.6	1.99
DC244-07-05	5/16	7/16-20	14.3	0.56	30.9	1.22	10.0	0.39	51.9	2.04
DC244-08-04	1/4	1/2-20	15.9	0.62	30.4	1.20	10.0	0.39	50.7	2.00
DC244-08-05	5/16	1/2-20	15.9	0.62	31.0	1.22	10.0	0.39	51.9	2.04
DC244-08-08	1/2	1/2-20	15.9	0.62	35.5	1.40	10.0	0.39	65.7	2.59
DC244-09-04	1/4	9/16-18	17.5	0.69	31.4	1.24	11.0	0.43	51.7	2.04
DC244-09-05	5/16	9/16-18	17.5	0.69	33.1	1.30	12.4	0.49	54.1	2.13
DC244-09-06	3/8	9/16-18	17.5	0.69	33.7	1.33	11.0	0.43	60.9	2.40
DC244-12-06	3/8	3/4-16	22.2	0.87	36.7	1.44	14.0	0.55	63.9	2.52
DC244-12-08	1/2	3/4-16	22.2	0.87	41.1	1.62	15.0	0.59	71.3	2.81
DC244-14-06	3/8	7/8-14	25.4	1.00	40.7	1.60	15.0	0.59	67.9	2.67
DC244-14-08	1/2	7/8-14	25.4	1.00	41.1	1.62	15.0	0.59	71.3	2.81
DC244-14-10	5/8	7/8-14	25.4	1.00	44.2	1.74	16.0	0.63	79.4	3.13
DC244-17-06	3/8	1-1/16-12	31.8	1.25	41.9	1.65	19.2	0.76	69.1	2.72
DC244-17-08	1/2	1-1/16-12	31.8	1.25	47.8	1.88	20.0	0.79	78.0	3.07
DC244-17-10	5/8	1-1/16-12	31.8	1.25	55.7	2.19	21.0	0.83	91.0	3.58
DC244-17-12	3/4	1-1/16-12	31.8	1.25	64.0	2.52	27.0	1.06	99.4	3.91
DC244-21-12	3/4	1-5/16-12	38.1	1.50	59.7	2.35	24.0	0.94	95.1	3.74
DC244-21-16	1"	1-5/16-12	38.1	1.50	78.5	3.09	33.0	1.30	119.3	4.70
DC244-21-16H41	1"	1-5/16-12	41.0	1.61	78.5	3.09	33.0	1.30	119.3	4.70
DC244-26-16	1"	1-5/8-12	50.0	1.97	87.5	3.44	40.0	1.57	128.3	5.05
DC244-26-20	1-1/4	1-5/8-12	50.0	1.97	102.3	4.03	45.0	1.77	146.0	5.75
DC244-30-24	1-1/2	1-7/8-12	55.0	2.17	123.9	4.88	52.0	2.05	158.3	6.23
DC244-40-24	1-1/2	2-1/2-12	73.0	2.87	123.9	4.88	52.0	2.05	158.3	6.23
DC244-40-32	2"	2-1/2-12	73.0	2.87	145.9	5.74	55.7	2.19	189.8	7.47

DC294 SERIES(Female JIC 37 ° Swivel 90 ° Elbow)

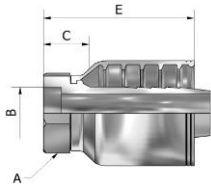
LIST



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DC294-07-04	1/4	7/16-20	14.3	0.56	25.6	1.01	21.0	0.83	45.2	1.78
DC294-07-04B	1/4	7/16-20	14.3	0.56	21.8	0.86	19.8	0.78	41.4	1.63
DC294-07-04D46	1/4	7/16-20	14.3	0.56	25.4	1.00	46.0	1.81	45.2	1.78
DC294-07-04D75	1/4	7/16-20	14.3	0.56	25.4	1.00	75.0	2.95	45.2	1.78
DC294-07-06	3/8	7/16-20	14.3	0.56	29.3	1.15	21.0	0.83	56.5	2.22
DC294-08-04	1/4	1/2-20	15.9	0.62	25.9	1.02	21.0	0.83	45.5	1.79
DC294-08-05	5/16	1/2-20	15.9	0.62	26.2	1.03	24.0	0.94	47.2	1.86
DC294-08-06	3/8	1/2-20	15.9	0.62	29.3	1.15	24.0	0.94	56.5	2.22
DC294-09-04	1/4	9/16-18	17.5	0.69	25.4	1.00	22.0	0.87	45.3	1.78
DC294-09-04B	1/4	9/16-18	17.5	0.69	21.8	0.86	21.2	0.83	41.4	1.63
DC294-09-04D30	1/4	9/16-18	17.5	0.69	25.7	1.01	30.0	1.18	46.0	1.81
DC294-09-04D47	1/4	9/16-18	17.5	0.69	25.4	1.00	47.0	1.85	45.3	1.78
DC294-09-05	5/16	9/16-18	17.5	0.69	26.2	1.03	24.0	0.94	47.2	1.86
DC294-09-06	3/8	9/16-18	17.5	0.69	30.3	1.19	23.0	0.91	57.5	2.26
DC294-09-06B	3/8	9/16-18	17.5	0.69	26.3	1.04	23.0	0.91	53.5	2.11
DC294-09-06D30	3/8	9/16-18	17.5	0.69	30.3	1.19	30.0	1.18	57.5	2.26
DC294-09-06D35	3/8	9/16-18	17.5	0.69	30.3	1.19	35.0	1.38	57.5	2.26
DC294-09-06D55	3/8	9/16-18	17.5	0.69	30.3	1.19	55.0	2.17	57.5	2.26
DC294-09-06D75	3/8	9/16-18	17.5	0.69	30.3	1.19	75.0	2.95	57.5	2.26
DC294-12-06	3/8	3/4-16	22.2	0.87	30.3	1.19	28.0	1.10	57.5	2.26
DC294-12-06B	3/8	3/4-16	22.2	0.87	26.3	1.04	24.0	0.94	53.5	2.11
DC294-12-06D62	3/8	3/4-16	22.2	0.87	40.3	1.59	62.0	2.44	67.5	2.66
DC294-12-08	1/2	3/4-16	22.2	0.87	34.9	1.37	31.0	1.22	65.1	2.56
DC294-12-08B	1/2	3/4-16	22.2	0.87	32.5	1.28	28.5	1.12	62.7	2.47
DC294-12-08D62	1/2	3/4-16	22.2	0.87	44.9	1.77	62.0	2.44	75.1	2.96
DC294-12-10	5/8	3/4-16	22.2	0.87	38.4	1.51	31.0	1.22	73.7	2.90
DC294-14-06	3/8	7/8-14	25.4	1.00	33.3	1.31	27.4	1.08	60.5	2.38
DC294-14-06B	3/8	7/8-14	25.4	1.00	32.0	1.26	29.4	1.16	59.2	2.33
DC294-14-08	1/2	7/8-14	25.4	1.00	34.9	1.37	31.0	1.22	65.1	2.56
DC294-14-08B	1/2	7/8-14	25.4	1.00	32.5	1.28	29.4	1.16	62.7	2.47
DC294-14-08D47	1/2	7/8-14	25.4	1.00	34.9	1.37	47.0	1.85	65.1	2.56
DC294-14-08D66	1/2	7/8-14	25.4	1.00	44.9	1.77	66.0	2.60	75.1	2.96
DC294-14-10	5/8	7/8-14	25.4	1.00	39.3	1.55	34.0	1.34	74.6	2.94
DC294-14-10D66	5/8	7/8-14	25.4	1.00	49.3	1.94	66.0	2.60	84.6	3.33
DC294-14-12	3/8	7/8-14	25.4	1.00	54.0	2.13	40.0	1.57	89.4	3.52
DC294-17-06	3/8	1-1/16-12	31.8	1.25	32.3	1.27	40.0	1.57	59.5	2.34
DC294-17-08	1/2	1-1/16-12	31.8	1.25	38.9	1.53	46.0	1.81	69.1	2.72
DC294-17-10	5/8	1-1/16-12	31.8	1.25	49.3	1.94	48.0	1.89	84.6	3.33
DC294-17-12	3/4	1-1/16-12	31.8	1.25	53.3	2.10	53.0	2.09	88.7	3.49
DC294-17-12B	3/4	1-1/16-12	31.8	1.25	37.9	1.49	30.0	1.18	73.2	2.88
DC294-17-12D95	3/4	1-1/16-12	31.8	1.25	84.0	3.31	95.0	3.74	119.4	4.70
DC294-21-12	3/4	1-5/16-12	38.1	1.50	53.3	2.10	56.0	2.20	88.7	3.49
DC294-21-16	1"	1-5/16-12	38.1	1.50	67.8	2.67	70.0	2.76	108.6	4.28
DC294-21-16D110	1"	1-5/16-12	38.1	1.50	92.8	3.65	110.0	4.33	133.6	5.26
DC294-21-16H41	1"	1-5/16-12	41.0	1.61	67.8	2.67	70.0	2.76	108.6	4.28
DC294-26-16	1"	1-5/8-12	50.0	1.97	70.2	2.76	78.0	3.07	111.0	4.37
DC294-26-20	1-1/4	1-5/8-12	50.0	1.97	83.7	3.30	85.0	3.35	127.4	5.02
DC294-26-20D134	1-1/4	1-5/8-12	50.0	1.97	103.7	4.08	134.0	5.28	147.4	5.80
DC294-30-20	1-1/4	1-7/8-12	55.0	2.17	83.7	3.30	94.7	3.73	127.4	5.02
DC294-30-24	1-1/2	1-7/8-12	55.0	2.17	104.1	4.10	110.0	4.33	138.5	5.45
DC294-40-32	2"	2-1/2-12	73.0	2.87	141.5	5.57	136.0	5.35	185.4	7.30

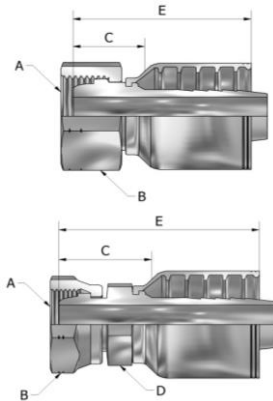


DN20L SERIES(Life Saver)

[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Nipple Hex		In-Dia		Tail-Growth		Overall length	
		MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A		B		C		E	
DN20L-04-04	1/4	14.0	0.55	8.2	0.32	13.3	0.52	32.7	1.29
DN20L-06-06	3/8	17.5	0.69	9.5	0.37	13.7	0.54	40.9	1.61
DN20L-08-08	1/2	20.6	0.81	12.6	0.50	14.2	0.56	44.4	1.75
DN20L-10-10	5/8	23.8	0.94	16.2	0.64	17.9	0.70	53.2	2.09
DN20L-12-12	3/4	27.0	1.06	19.4	0.76	18.0	0.71	53.3	2.10
DN20L-16-16	1"	35.0	1.38	25.7	1.01	24.1	0.95	64.9	2.56
DN20L-20-20	1-1/4	46.0	1.81	31.8	1.25	26.2	1.03	69.9	2.75

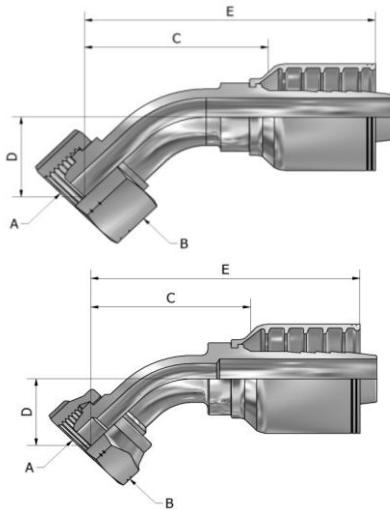
DD206 SERIES(Female Metric Swivel - DIN 20078 Straight Ball Nose)

[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DD206-12-04B06	1/4	M12*1.5P	15.9	0.62	25.6	1.01	14.0	0.55	45.2	1.78
DD206-14-04B06	1/4	M14*1.5P	17.5	0.69	24.7	0.97	14.0	0.55	45.0	1.77
DD206-14-04B08	1/4	M14*1.5P	17.5	0.69	26.0	1.02	17.0	0.67	45.6	1.80
DD206-16-04B08	1/4	M16*1.5P	19.0	0.75	19.6	0.77			39.2	1.54
DD206-16-04B10	1/4	M16*1.5P	19.0	0.75	30.1	1.19	19.0	0.75	50.4	1.98
DD206-16-06B08	3/8	M16*1.5P	19.0	0.75	28.4	1.12	17.0	0.67	55.6	2.19
DD206-16-06B10	3/8	M16*1.5P	19.0	0.75	31.4	1.24	19.0	0.75	58.6	2.31
DD206-18-04B10	1/4	M18*1.5P	22.0	0.87	21.8	0.86			41.4	1.63
DD206-18-04B12	1/4	M18*1.5P	22.0	0.87	21.8	0.86			41.4	1.63
DD206-18-06B10	3/8	M18*1.5P	22.0	0.87	32.9	1.30	17.0	0.67	60.1	2.37
DD206-18-06B12	3/8	M18*1.5P	22.0	0.87	31.3	1.23	17.0	0.67	58.5	2.30
DD206-18-08B12	1/2	M18*1.5P	22.0	0.87	32.9	1.30	22.0	0.87	63.1	2.48
DD206-20-06B12	3/8	M20*1.5P	24.0	0.94	24.4	0.96			51.6	2.03
DD206-22-06B14	3/8	M22*1.5P	27.0	1.06	24.3	0.96			51.5	2.03
DD206-22-06B15	3/8	M22*1.5P	27.0	1.06	23.8	0.94			51.0	2.01
DD206-22-08B14	1/2	M22*1.5P	27.0	1.06	35.6	1.40	22.0	0.87	65.8	2.59
DD206-22-08B15	1/2	M22*1.5P	27.0	1.06	35.6	1.40	22.0	0.87	65.8	2.59
DD206-24-08B16	1/2	M24*1.5P	30.0	1.18	27.4	1.08			55.6	2.19
DD206-26-08B18	1/2	M26*1.5P	32.0	1.26	24.3	0.96			54.5	2.15
DD206-26-10B18	5/8	M26*1.5P	32.0	1.26	33.8	1.33	24.0	0.94	69.1	2.72
DD206-30-10B20	5/8	M30*1.5P	36.0	1.42	29.3	1.15			64.6	2.54
DD206-30-12B20	3/4	M30*2.0P	36.0	1.42	27.2	1.07			62.6	2.46
DD206-30-12B22	3/4	M30*1.5P	36.0	1.42	26.6	1.05			62.0	2.44
DD206-36-12B25	3/4	M36*2.0P	46.0	1.81	28.2	1.11			63.6	2.50
DD206-36-16B28	1"	M36*2.0P	43.0	1.69	46.9	1.85	35.0	1.38	87.7	3.45
DD206-42-16B30	1"	M42*2.0P	50.0	1.97	32.1	1.26			72.9	2.87
DD206-45-20B35	1-1/4	M45*2.0P	50.0	1.97	51.1	2.01			94.7	3.73

DD246 SERIES(Female Metric swivel - DIN 20078 45° Elbow Ball Nose)

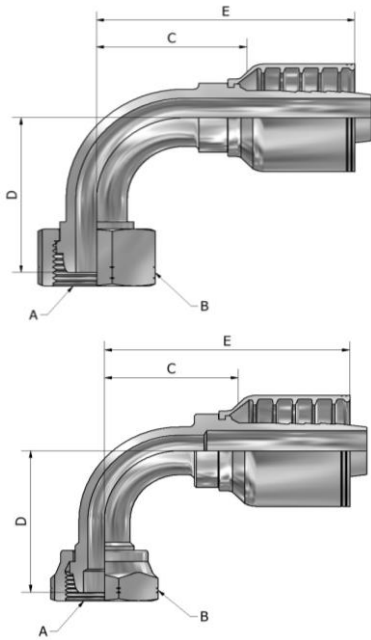
LIST



PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD246-12-04B06	1/4	M12*1.5P	15.8	0.62	38.4	1.51	15.0	0.59	58.0	2.28
DD246-14-04B06	1/4	M14*1.5P	17.5	0.69	39.4	1.55	16.0	0.63	59.0	2.32
DD246-14-04B08	1/4	M14*1.5P	17.5	0.69	39.4	1.55	16.0	0.63	59.0	2.32
DD246-16-04B08	1/4	M16*1.5P	19.0	0.75	40.5	1.59	15.4	0.61	60.1	2.37
DD246-16-04B10	1/4	M16*1.5P	19.0	0.75	40.5	1.59	15.4	0.61	60.1	2.37
DD246-16-06B08	3/8	M16*1.5P	19.0	0.75	39.1	1.54	16.4	0.65	66.3	2.61
DD246-16-06B10	3/8	M16*1.5P	19.0	0.75	39.7	1.56	17.0	0.67	66.9	2.63
DD246-18-04B10	1/4	M18*1.5P	22.0	0.87	40.9	1.61	15.8	0.62	60.5	2.38
DD246-18-04B12	1/4	M18*1.5P	22.0	0.87	40.9	1.61	15.8	0.62	60.5	2.38
DD246-18-06B10	3/8	M18*1.5P	22.0	0.87	44.7	1.76	22.0	0.87	71.9	2.83
DD246-18-06B12	3/8	M18*1.5P	22.0	0.87	45.8	1.80	18.0	0.71	73.0	2.87
DD246-20-06B12	3/8	M20*1.5P	24.0	0.94	46.7	1.84	19.0	0.75	73.9	2.91
DD246-22-06B14	3/8	M22*1.5P	27.0	1.06	42.7	1.68	20.0	0.79	69.9	2.75
DD246-22-06B15	3/8	M22*1.5P	27.0	1.06	42.7	1.68	20.0	0.79	69.9	2.75
DD246-22-08B15	1/2	M22*1.5P	27.0	1.06	53.7	2.11	20.0	0.79	83.9	3.30
DD246-24-08B16	1/2	M24*1.5P	30.0	1.18	59.0	2.32	24.0	0.94	89.2	3.51
DD246-26-08B18	1/2	M26*1.5P	32.0	1.26	59.0	2.32	24.0	0.94	89.2	3.51
DD246-26-10B18	5/8	M26*1.5P	32.0	1.26	53.3	2.10	24.2	0.95	88.6	3.49
DD246-26-12B18	3/4	M26*1.5P	32.0	1.26	55.9	2.20	24.2	0.95	91.2	3.59
DD246-30-10B20	5/8	M30*2.0P	36.0	1.42	57.2	2.25	28.0	1.10	92.4	3.64
DD246-30-12B20	3/4	M30*2.0P	36.0	1.42	65.3	2.57	29.6	1.17	100.7	3.96
DD246-30-12B22	3/4	M30*2.0P	36.0	1.42	65.3	2.57	29.6	1.17	100.7	3.96
DD246-36-12B25	3/4	M36*2.0P	46.0	1.81	64.3	2.53	30.5	1.20	99.6	3.92
DD246-36-16B28	1"	M36*2.0P	43.0	1.69	78.5	3.09	35.0	1.38	119.3	4.70
DD246-42-16B30	1"	M42*2.0P	50.0	1.97	80.5	3.17	37.0	1.46	121.3	4.78
DD246-45-20B35	1-1/4	M45*2.0P	50.0	1.97	108.3	4.26	48.0	1.89	152.0	5.98

DD296 SERIES(Female Metric Swivel - DIN 20078 90° Elbow Ball Nose)

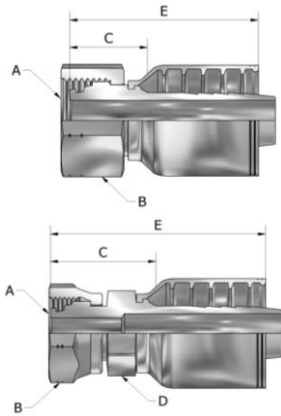
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PART NUMBER	Products Description									
	Hose In-Dia	Thread	Nut Hex		Tail-Growth		Drop		Overall length	
		METRIC	MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DD296-12-04B06	1/4	M12*1.5P	15.9	0.62	28.7	1.13	29.0	1.14	48.3	1.90
DD296-14-04B06	1/4	M14*1.5P	17.5	0.69	28.7	1.13	29.0	1.14	48.3	1.90
DD296-14-04B08	1/4	M14*1.5P	17.5	0.69	28.7	1.13	31.0	1.22	49.0	1.93
DD296-16-04B08	1/4	M16*1.5P	19.0	0.75	32.7	1.29	29.2	1.15	52.3	2.06
DD296-16-04B10	1/4	M16*1.5P	19.0	0.75	32.7	1.29	29.2	1.15	52.1	2.05
DD296-16-06B08	3/8	M16*1.5P	19.0	0.75	30.3	1.19	34.0	1.34	57.5	2.26
DD296-16-06B10	3/8	M16*1.5P	19.0	0.75	30.3	1.19	34.0	1.34	57.5	2.26
DD296-18-04B10	1/4	M18*1.5P	22.0	0.87	32.7	1.29	31.8	1.25	52.3	2.06
DD296-18-04B12	1/4	M18*1.5P	22.0	0.87	32.7	1.29	31.8	1.25	52.3	2.06
DD296-18-06B10	3/8	M18*1.5P	22.0	0.87	30.3	1.19	36.0	1.42	57.5	2.26
DD296-18-06B12	3/8	M18*1.5P	22.0	0.87	32.5	1.28	32.0	1.26	59.7	2.35
DD296-18-08B12	1/2	M18*1.5P	22.0	0.87	35.9	1.41	32.0	1.26	66.1	2.60
DD296-20-06B12	3/8	M20*1.5P	24.0	0.94	37.3	1.47	37.0	1.46	64.5	2.54
DD296-22-06B14	3/8	M22*1.5P	27.0	1.06	34.3	1.35	37.0	1.46	61.5	2.42
DD296-22-06B15	3/8	M22*1.5P	27.0	1.06	34.3	1.35	37.0	1.46	61.5	2.42
DD296-22-08B14	1/2	M22*1.5P	27.0	1.06	40.8	1.61	37.0	1.46	71.0	2.80
DD296-22-08B15	1/2	M22*1.5P	27.0	1.06	44.8	1.76	40.0	1.57	75.0	2.95
DD296-24-08B16	1/2	M24*1.5P	30.0	1.18	42.2	1.66	45.0	1.77	72.4	2.85
DD296-26-06B18	3/8	M26*1.5P	32.0	1.26	30.3	1.19	45.0	1.77	57.5	2.26
DD296-26-08B18	1/2	M26*1.5P	32.0	1.26	43.8	1.72	42.0	1.65	74.0	2.91
DD296-26-10B18	5/8	M26*1.5P	32.0	1.26	40.3	1.59	45.0	1.77	75.6	2.98
DD296-26-12B18	3/4	M26*1.5P	32.0	1.26	46.3	1.82	50.3	1.98	81.7	3.22
DD296-30-10B20	5/8	M30*2.0P	36.0	1.42	44.6	1.76	48.1	1.89	79.9	3.15
DD296-30-12B20	3/4	M30*2.0P	36.0	1.42	53.3	2.10	56.8	2.24	88.7	3.49
DD296-30-12B22	3/4	M30*2.0P	36.0	1.42	53.3	2.10	56.8	2.24	88.7	3.49
DD296-36-10B25	5/8	M36*2.0P	46.0	1.81	55.3	2.18	59.0	2.32	90.6	3.57
DD296-36-12B25	3/4	M36*2.0P	46.0	1.81	51.3	2.02	60.1	2.37	86.7	3.41
DD296-36-16B28	1"	M36*2.0P	46.0	1.81	65.8	2.59	69.5	2.74	106.6	4.20
DD296-42-16B30	1"	M42*2.0P	50.0	1.97	65.8	2.59	80.0	3.15	106.6	4.20
DD296-45-20B35	1-1/4	M45*2.0P	50.0	1.97	86.7	3.41	82.9	3.26	130.4	5.13
DD296-52-24B42	1-1/2	M52*2.0P	60.0	2.36	103.6	4.08	99.3	3.91	138.0	5.43

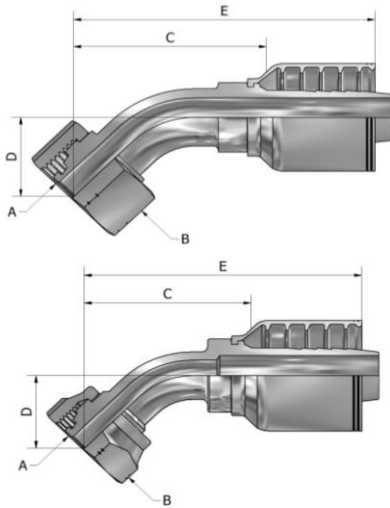
DD206 SERIES(Female Metric Swivel - DIN 20078 Straight O-Ring)

LIST



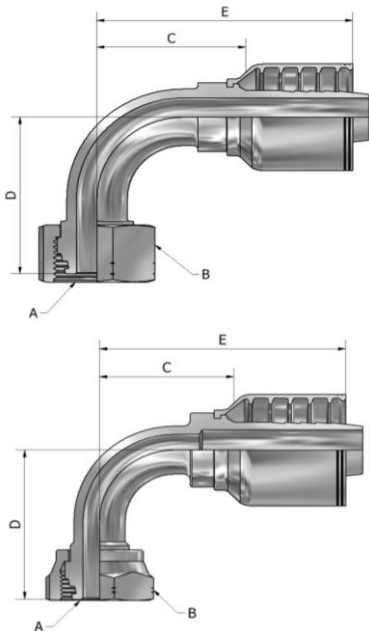
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD206-12-04O06	1/4	M12*1.5P	15.9	0.62	27.6	1.09	14.0	0.55	47.8	1.88
DD206-14-04O06	1/4	M14*1.5P	17.5	0.69	26.8	1.06	14.0	0.55	47.1	1.85
DD206-14-04O08	1/4	M14*1.5P	17.5	0.69	26.8	1.06	14.0	0.55	47.1	1.85
DD206-16-04O08	1/4	M16*1.5P	19.0	0.75	23.5	0.93			43.8	1.72
DD206-16-04O10	1/4	M16*1.5P	19.0	0.75	23.0	0.91			43.3	1.70
DD206-16-06O08	3/8	M16*1.5P	19.0	0.75	32.4	1.28	17.0	0.67	59.6	2.35
DD206-16-06O10	3/8	M16*1.5P	19.0	0.75	32.4	1.28	19.0	0.75	60.6	2.39
DD206-18-04O10	1/4	M18*1.5P	22.0	0.87	23.5	0.93			43.8	1.72
DD206-18-04O12	1/4	M18*1.5P	22.0	0.87	22.6	0.89			42.9	1.69
DD206-18-06O10	3/8	M18*1.5P	22.0	0.87	34.5	1.36	17.0	0.67	61.7	2.43
DD206-18-06O12	3/8	M18*1.5P	22.0	0.87	34.5	1.36	17.0	0.67	61.7	2.43
DD206-20-06O12	3/8	M20*1.5P	24.0	0.94	25.9	1.02			53.1	2.09
DD206-22-04O15	1/4	M22*1.5P	27.0	1.06	26.8	1.06			46.4	1.83
DD206-22-05O15	5/16	M22*1.5P	27.0	1.06	27.3	1.07			48.3	1.90
DD206-22-06O14	3/8	M22*1.5P	27.0	1.06	27.4	1.08			54.6	2.15
DD206-22-06O15	3/8	M22*1.5P	27.0	1.06	27.4	1.08			54.6	2.15
DD206-22-08O14	1/2	M22*1.5P	27.0	1.06	37.8	1.49	22.0	0.87	68.0	2.68
DD206-22-08O15	1/2	M22*1.5P	27.0	1.06	37.8	1.49	22.0	0.87	68.0	2.68
DD206-24-08O16	1/2	M24*1.5P	30.0	1.18	27.8	1.09			58.0	2.28
DD206-26-10O18	5/8	M26*1.5P	32.0	1.26	36.3	1.43	24.0	0.94	71.6	2.82
DD206-26-12O18	3/4	M26*1.5P	32.0	1.26	37.3	1.47	27.0	1.06	72.7	2.86
DD206-30-10O20	5/8	M30*2.0P	36.0	1.42	30.9	1.22			66.2	2.61
DD206-30-10O22	5/8	M30*2.0P	36.0	1.42	27.8	1.09			63.1	2.48
DD206-30-12O20	3/4	M30*2.0P	36.0	1.42	30.9	1.22			66.3	2.61
DD206-30-12O22	3/4	M30*2.0P	36.0	1.42	27.8	1.09			63.2	2.49
DD206-36-10O25	5/8	M36*2.0P	46.0	1.81	31.9	1.26			67.2	2.65
DD206-36-12O25	3/4	M36*2.0P	46.0	1.81	31.9	1.26			67.3	2.65
DD206-36-16O25	1"	M36*2.0P	46.0	1.81	50.1	1.97			90.9	3.58
DD206-36-16O28	1"	M36*2.0P	46.0	1.81	49.6	1.95	35.0	1.38	90.4	3.56
DD206-42-16O30	1"	M42*2.0P	50.0	1.97	36.8	1.45			77.6	3.06
DD206-42-20O30	1-1/4	M42*2.0P	50.0	1.97	53.2	2.09	46.0	1.81	96.9	3.81
DD206-45-20O35	1-1/4	M45*2.0P	50.0	1.97	53.2	2.09	46.0	1.81	96.9	3.81
DD206-52-20O38	1-1/4	M52*2.0P	60.0	2.36	38.6	1.52			82.3	3.24
DD206-52-24O38	1-1/2	M52*2.0P	60.0	2.36	54.7	2.15	50.0	1.97	89.1	3.51
DD206-52-24O42	1-1/2	M52*2.0P	60.0	2.36	54.7	2.15	50.0	1.97	89.1	3.51

DD246 SERIES(Female Metric Swivel - DIN 20078 45° Elbow O-Ring)

[LIST](#)


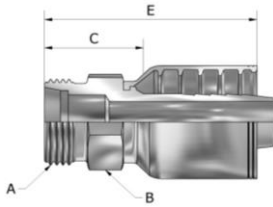
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD246-12-04O06	1/4	M12*1.5P	15.9	0.62	39.9	1.57	16.5	0.65	59.5	2.34
DD246-14-04O06	1/4	M14*1.5P	17.5	0.69	39.8	1.57	16.0	0.63	59.3	2.33
DD246-14-04O08	1/4	M14*1.5P	17.5	0.69	39.8	1.57	16.0	0.63	59.3	2.33
DD246-16-04O08	1/4	M16*1.5P	19.0	0.75	39.8	1.57	16.0	0.63	59.4	2.34
DD246-16-04O10	1/4	M16*1.5P	19.0	0.75	39.8	1.57	16.0	0.63	59.4	2.34
DD246-16-06O10	3/8	M16*1.5P	19.0	0.75	42.4	1.67	19.0	0.75	69.6	2.74
DD246-18-04O10	1/4	M18*1.5P	22.0	0.87	41.0	1.61	17.0	0.67	60.6	2.39
DD246-18-06O12	3/8	M18*1.5P	22.0	0.87	41.7	1.64	19.0	0.75	68.9	2.71
DD246-20-06O12	3/8	M20*1.5P	24.0	0.94	46.2	1.82	20.0	0.79	73.4	2.89
DD246-22-08O15	1/2	M22*1.5P	27.0	1.06	55.7	2.19	22.0	0.87	85.9	3.38
DD246-24-08O16	1/2	M24*1.5P	30.0	1.18	57.5	2.26	23.5	0.93	85.7	3.37
DD246-26-08O18	1/2	M26*1.5P	32.0	1.26	59.4	2.34	24.0	0.94	89.6	3.53
DD246-26-10O18	5/8	M26*1.5P	32.0	1.26	56.4	2.22	24.2	0.95	91.6	3.61
DD246-26-12O18	3/4	M26*1.5P	32.0	1.26	57.7	2.27	26.0	1.02	93.0	3.66
DD246-30-12O20	3/4	M30*2.0P	36.0	1.42	68.5	2.70	29.0	1.14	103.8	4.09
DD246-30-12O22	3/4	M30*2.0P	36.0	1.42	63.3	2.49	25.5	1.00	98.7	3.89
DD246-36-12O25	3/4	M36*2.0P	46.0	1.81	67.7	2.67	34.0	1.34	103.1	4.06
DD246-36-16O28	1"	M36*2.0P	46.0	1.81	80.4	3.17	36.9	1.45	121.2	4.77
DD246-45-20O35	1-1/4	M45*2.0P	50.0	1.97	111.9	4.41	48.0	1.89	155.5	6.12
DD246-52-20O38	1-1/4	M52*2.0P	60.0	2.36	109.3	4.30	50.0	1.97	153.0	6.02

DD296 SERIES(Female Metric Swivel - DIN 20078 90° Elbow O-Ring)

[LIST](#)


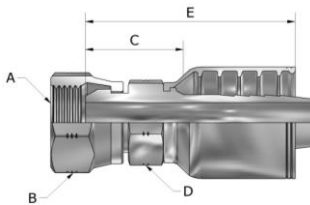
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD296-12-04O06	1/4	M12*1.5P	15.9	0.62	28.7	1.13	29.0	1.14	48.3	1.90
DD296-14-04O06	1/4	M14*1.5P	17.5	0.69	28.7	1.13	33.5	1.32	49.0	1.93
DD296-14-04O08	1/4	M14*1.5P	17.5	0.69	28.7	1.13	33.5	1.32	48.3	1.90
DD296-16-04O08	1/4	M16*1.5P	19.0	0.75	32.7	1.29	32.0	1.26	53.0	2.09
DD296-16-04O10	1/4	M16*1.5P	19.0	0.75	32.7	1.29	32.0	1.26	52.3	2.06
DD296-16-06O10	3/8	M16*1.5P	19.0	0.75	30.3	1.19	34.0	1.34	57.5	2.26
DD296-18-04O10	1/4	M18*1.5P	22.0	0.87	25.7	1.01	34.0	1.34	45.3	1.78
DD296-18-06O10	3/8	M18*1.5P	22.0	0.87	30.3	1.19	36.0	1.42	57.5	2.26
DD296-18-06O12	3/8	M18*1.5P	22.0	0.87	30.3	1.19	36.0	1.42	57.5	2.26
DD296-20-06O12	3/8	M20*1.5P	24.0	0.94	34.3	1.35	37.0	1.46	61.5	2.42
DD296-22-06O14	3/8	M22*1.5P	27.0	1.06	37.3	1.47	37.0	1.46	64.5	2.54
DD296-22-06O15	3/8	M22*1.5P	27.0	1.06	37.3	1.47	37.0	1.46	64.5	2.54
DD296-22-08O15	1/2	M22*1.5P	27.0	1.06	44.8	1.77	41.7	1.64	75.0	2.95
DD296-24-08O16	1/2	M24*1.5P	30.0	1.18	45.7	1.80	45.0	1.77	74.0	2.91
DD296-26-10O18	5/8	M26*1.5P	32.0	1.26	49.3	1.94	48.0	1.89	84.6	3.33
DD296-26-12O18	3/4	M26*1.5P	32.0	1.26	46.3	1.82	52.8	2.08	81.7	3.22
DD296-30-10O20	5/8	M30*2.0P	36.0	1.42	51.3	2.02	52.0	2.05	86.6	3.41
DD296-30-10O22	5/8	M30*2.0P	36.0	1.42	55.3	2.18	48.0	1.89	90.6	3.57
DD296-30-12O20	3/4	M30*2.0P	36.0	1.42	53.3	2.10	56.5	2.22	88.7	3.49
DD296-30-12O22	3/4	M30*2.0P	36.0	1.42	53.3	2.10	58.0	2.28	88.7	3.49
DD296-36-10O25	5/8	M36*2.0P	46.0	1.81	55.3	2.18	59.0	2.32	90.6	3.57
DD296-36-12O25	3/4	M36*2.0P	46.0	1.81	51.3	2.02	65.0	2.56	86.7	3.41
DD296-42-16O30	1"	M42*2.0P	50.0	1.97	65.8	2.59	75.0	2.95	106.6	4.20
DD296-45-20O35	1-1/4	M45*2.0P	50.0	1.97	86.7	3.41	85.0	3.35	130.4	5.13

DM20C SERIES(Male Metric Stud - DIN 20078)

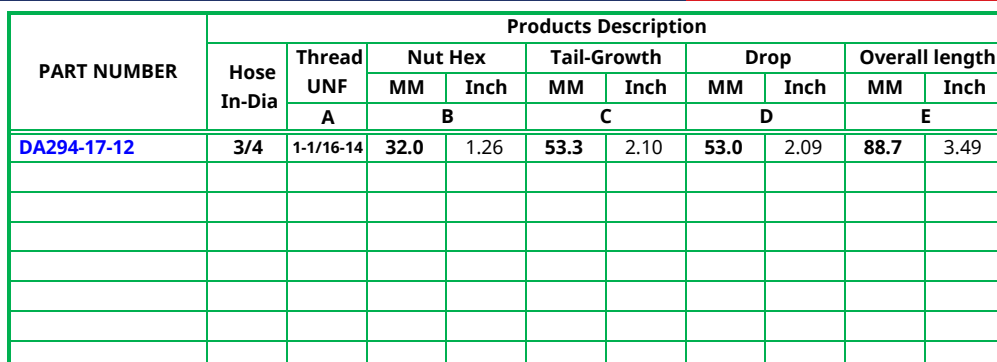
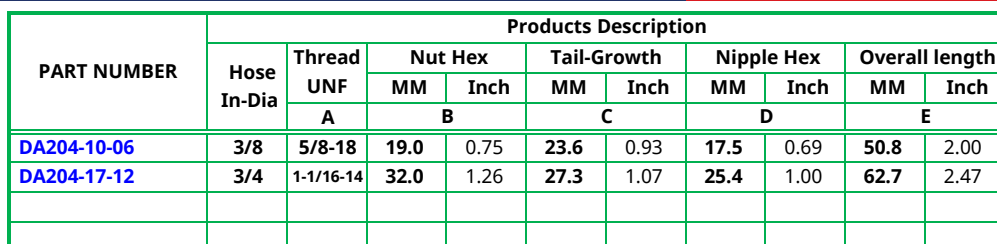
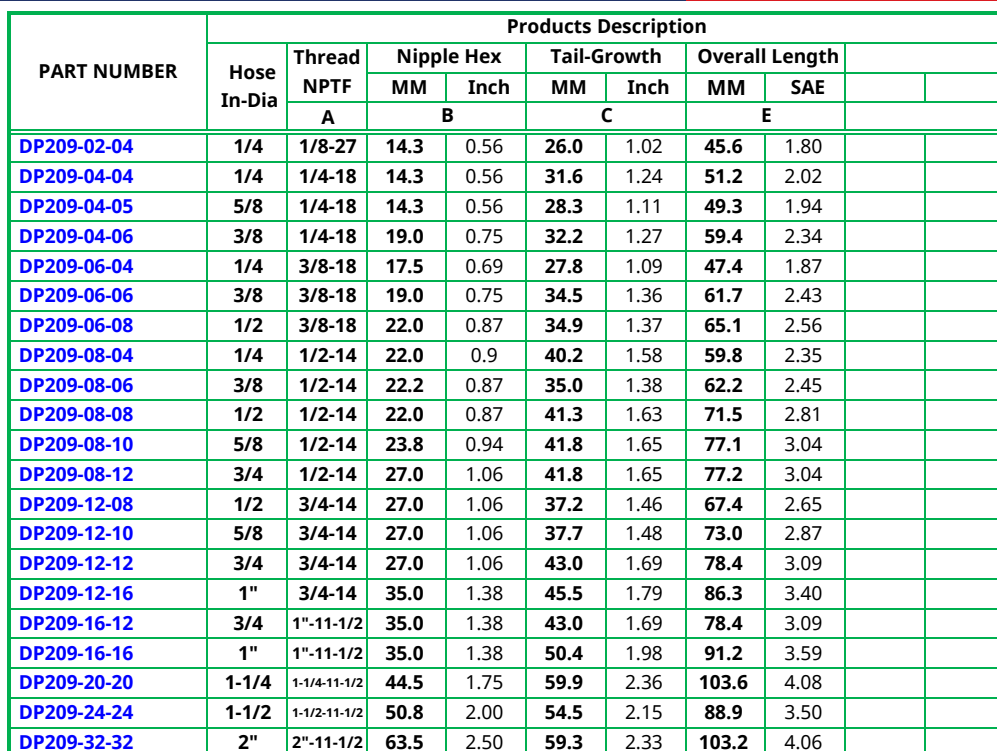
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			B		C		E			
DM20C-12-04R06	1/4	M12*1.5P	14.0	0.55	23.0	0.91	42.6	1.68		
DM20C-14-04R08	1/4	M14*1.5P	14.0	0.55	23.0	0.91	42.6	1.68		
DM20C-16-04R08	1/4	M16*1.5P	17.0	0.67	25.0	0.98	44.6	1.76		
DM20C-16-04R10	1/4	M16*1.5P	19.0	0.75	23.9	0.94	43.5	1.71		
DM20C-16-05R10	5/16	M16*1.5P	19.0	0.75	24.4	0.96	45.4	1.79		
DM20C-16-06R08	3/8	M16*1.5P	19.0	0.75	27.2	1.07	54.4	2.14		
DM20C-16-06R10	3/8	M16*1.5P	19.0	0.75	26.2	1.03	53.4	2.10		
DM20C-18-04R10	1/4	M18*1.5P	19.0	0.75	26.8	1.06	46.6	1.83		
DM20C-18-06R10	3/8	M18*1.5P	22.0	0.87	28.1	1.11	55.3	2.18		
DM20C-18-06R12	3/8	M18*1.5P	19.0	0.75	26.2	1.03	53.4	2.10		
DM20C-18-08R12	1/2	M18*1.5P	22.0	0.87	28.6	1.13	58.8	2.31		
DM20C-20-06R12	3/8	M20*1.5P	22.0	0.87	29.2	1.15	56.4	2.22		
DM20C-22-06R14	3/8	M22*1.5P	22.0	0.87	31.1	1.22	58.3	2.30		
DM20C-22-06R15	3/8	M22*1.5P	22.0	0.87	29.1	1.15	56.3	2.22		
DM20C-22-08R15	1/2	M22*1.5P	22.0	0.87	29.6	1.17	59.8	2.35		
DM20C-24-08R16	1/2	M24*1.5P	24.0	0.94	31.6	1.24	61.8	2.43		
DM20C-26-08R18	1/2	M26*1.5P	27.0	1.06	31.8	1.25	62.0	2.44		
DM20C-26-10R18	5/8	M26*1.5P	27.0	1.06	32.3	1.27	67.6	2.66		
DM20C-30-10R20	5/8	M30*2.0P	30.0	1.18	36.3	1.43	71.6	2.82		
DM20C-30-12R20	3/4	M30*2.0P	30.0	1.18	34.0	1.34	69.4	2.73		
DM20C-30-12R22	3/4	M30*2.0P	30.0	1.18	34.0	1.34	69.4	2.73		
DM20C-36-12R25	3/4	M36*2.0P	41.0	1.61	38.5	1.52	73.9	2.91		
DM20C-36-16R25	1"	M36*2.0P	41.0	1.61	41.0	1.61	81.8	3.22		
DM20C-36-16R28	1"	M36*2.0P	36.0	1.42	36.6	1.44	77.4	3.05		
DM20C-42-12R30	3/4	M42*2.0P	46.0	1.81	41.6	1.64	77.0	3.03		
DM20C-42-16R30	1"	M42*2.0P	46.0	1.81	44.1	1.74	84.9	3.34		

DP207 SERIES(Female NPSM Swivel 60 ° Cone)

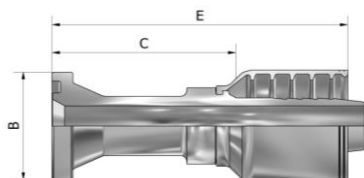
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread NPSM A	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DP207-04-04	1/4	1/4-18	19.0	0.75	26.7	1.05	14.3	0.56	47.0	1.85
DP207-06-06	3/8	3/8-18	22.0	0.87	27.2	1.07	17.5	0.69	54.4	2.14
DP207-06-08	1/2	3/8-18	22.0	0.87	28.2	1.11	23.8	0.94	58.4	2.30
DP207-08-08	1/2	1/2-14	25.4	1.00	29.4	1.16	23.8	0.94	59.6	2.35
DP207-12-10	5/8	3/4-14	31.8	1.25	34.2	1.35	27.0	1.06	69.5	2.74
DP207-12-12	3/4	3/4-14	31.8	1.25	34.2	1.35	27.0	1.06	69.6	2.74
DP207-12-16	1"	3/4-14	31.8	1.25	37.9	1.49	35.0	1.38	78.7	3.10



DF20S SERIES(SAE Code 61 Flange Straight)

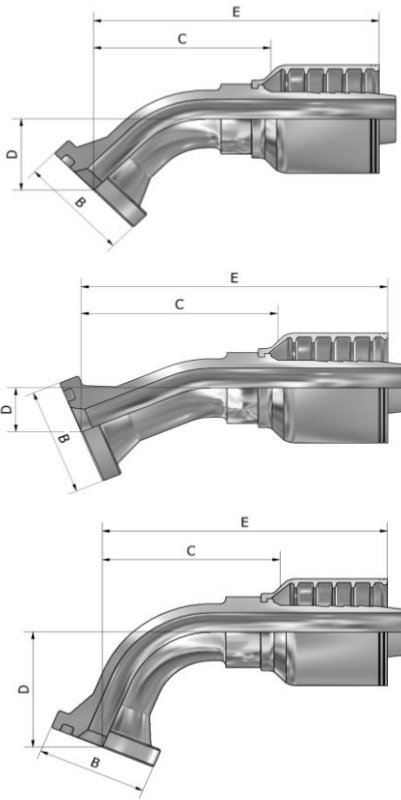
LIST



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF20S-08-08	1/2	1/2	30.2	1.19	57.6	2.27	87.8	3.46		
DF20S-10-08	1/2	5/8	34.1	1.34	31.9	1.26	62.1	2.44		
DF20S-10-10	5/8	5/8	34.1	1.34	61.9	2.44	97.2	3.83		
DF20S-10-12	3/4	5/8	34.1	1.34	64.8	2.55	100.2	3.94		
DF20S-12-08	1/2	3/4	38.1	1.50	31.7	1.25	61.9	2.44		
DF20S-12-10	5/8	3/4	38.1	1.50	35.2	1.39	70.5	2.78		
DF20S-12-12	3/4	3/4	38.1	1.50	62.6	2.46	98.0	3.86		
DF20S-16-12	3/4	1"	44.5	1.75	34.2	1.35	69.6	2.74		
DF20S-16-16	1"	1"	44.5	1.75	67.1	2.64	107.9	4.25		
DF20S-16-20	1-1/4	1"	44.5	1.75	67.6	2.66	111.3	4.38		
DF20S-20-12	3/4	1-1/4	50.8	2.00	39.8	1.57	75.2	2.96		
DF20S-20-16	1"	1-1/4	50.8	2.00	40.4	1.59	81.2	3.20		
DF20S-20-20	1-1/4	1-1/4	50.8	2.00	75.7	2.98	119.4	4.70		
DF20S-24-16	1"	1-1/2	60.3	2.37	45.6	1.80	86.4	3.40		
DF20S-24-20	1-1/4	1-1/2	60.3	2.37	38.1	1.50	81.8	3.22		
DF20S-24-24	1-1/2	1-1/2	60.3	2.37	82.2	3.24	116.6	4.59		
DF20S-32-24	1-1/2	2"	71.4	2.81	45.4	1.79	79.8	3.14		
DF20S-32-32	2"	2"	71.4	2.81	83.2	3.28	127.1	5.00		
DF20S-40-32	2"	2-1/2	84.1	3.31	53.7	2.11	97.6	3.84		

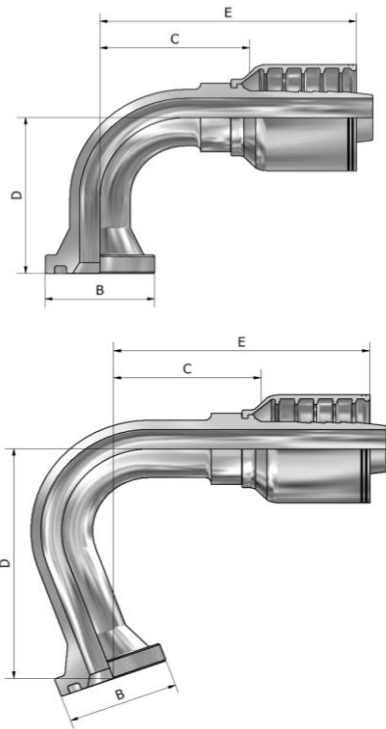
DF24S SERIES(SAE Code 61 Flange 22.5 ° ~ 67.5 °)

LIST



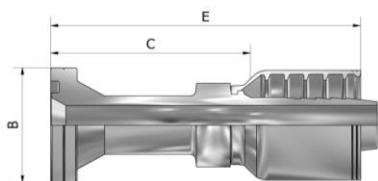
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF24S-08-08	1/2	1/2	30.2	1.19	51.6	2.03	21.5	0.85	81.8	3.22
DF24S-10-08	1/2	5/8	34.1	1.34	51.8	2.04	21.5	0.85	82.0	3.23
DF24S-10-10	5/8	5/8	34.1	1.34	67.7	2.67	37.1	1.46	103.0	4.06
DF24S-12-08	1/2	3/4	38.1	1.50	52.3	2.06	22.0	0.87	82.5	3.25
DF24S-12-12	3/4	3/4	38.1	1.50	62.4	2.46	26.0	1.02	97.8	3.85
DF24S-12-12A22.5	3/4	3/4	38.1	1.50	68.0	2.68	15.8	0.62	103.3	4.07
DF24S-12-12A30	3/4	3/4	38.1	1.50	66.3	2.61	19.9	0.78	101.6	4.00
DF24S-12-12A60	3/4	3/4	38.1	1.50	65.4	2.57	39.2	1.54	100.7	3.96
DF24S-12-12A67.5	3/4	3/4	38.1	1.50	63.0	2.48	42.4	1.67	98.4	3.87
DF24S-16-12	3/4	1"	44.5	1.75	64.2	2.53	28.0	1.10	99.6	3.92
DF24S-16-12A22.5	3/4	1"	44.5	1.75	72.2	2.84	16.9	0.67	107.5	4.23
DF24S-16-12A30	3/4	1"	44.5	1.75	68.7	2.70	21.3	0.84	104.0	4.09
DF24S-16-12A60	3/4	1"	44.5	1.75	65.4	2.57	42.1	1.66	100.8	3.97
DF24S-16-12A67.5	3/4	1"	44.5	1.75	62.1	2.44	44.1	1.74	97.4	3.83
DF24S-16-16	1"	1"	44.5	1.75	79.3	3.12	32.0	1.26	120.1	4.73
DF24S-16-16A22.5	1"	1"	44.5	1.75	83.5	3.29	19.7	0.78	124.3	4.89
DF24S-16-16A30	1"	1"	44.5	1.75	82.9	3.26	24.8	0.98	123.7	4.87
DF24S-16-16A60	1"	1"	44.5	1.75	74.0	2.91	38.0	1.50	114.8	4.52
DF24S-16-16A67.5	1"	1"	44.5	1.75	80.9	3.19	61.4	2.42	121.7	4.79
DF24S-20-12	3/4	1-1/4	50.8	2.00	66.2	2.61	30.0	1.18	101.6	4.00
DF24S-20-16	1"	1-1/4	50.8	2.00	76.0	2.99	32.0	1.26	116.8	4.60
DF24S-20-16A22.5	1"	1-1/4	50.8	2.00	84.0	3.31	19.6	0.77	124.0	4.88
DF24S-20-16A30	1"	1-1/4	50.8	2.00	81.2	3.20	24.6	0.97	122.0	4.80
DF24S-20-16A60	1"	1-1/4	50.8	2.00	84.1	3.31	58.6	2.31	124.9	4.92
DF24S-20-16A67.5	1"	1-1/4	50.8	2.00	79.1	3.11	61.4	2.42	119.9	4.72
DF24S-20-20	1-1/4	1-1/4	50.8	2.00	98.3	3.87	38.0	1.50	142.0	5.59
DF24S-20-20A22.5	1-1/4	1-1/4	50.8	2.00	98.1	3.86	19.7	0.78	141.8	5.58
DF24S-20-20A30	1-1/4	1-1/4	50.8	2.00	96.2	3.79	24.5	0.96	139.8	5.50
DF24S-20-20A60	1-1/4	1-1/4	50.8	2.00	94.9	3.74	47.2	1.86	138.6	5.46
DF24S-20-20A67.5	1-1/4	1-1/4	50.8	2.00	92.1	3.63	49.0	1.93	135.7	5.34
DF24S-24-20	1-1/4	1-1/2	60.3	2.37	98.3	3.87	38.0	1.50	142.0	5.59
DF24S-24-20A22.5	1-1/4	1-1/2	60.3	2.37	106.7	4.20	23.2	0.91	150.3	5.92
DF24S-24-20A30	1-1/4	1-1/2	60.3	2.37	104.1	4.10	29.1	1.15	147.8	5.82
DF24S-24-20A60	1-1/4	1-1/2	60.3	2.37	94.9	3.74	47.2	1.86	138.6	5.46
DF24S-24-20A67.5	1-1/4	1-1/2	60.3	2.37	92.1	3.63	49.0	1.93	135.7	5.34
DF24S-24-24	1-1/2	1-1/2	60.3	2.37	112.4	4.43	41.0	1.61	146.8	5.78
DF24S-24-24A22.5	1-1/2	1-1/2	60.3	2.37	112.0	4.41	21.7	0.85	146.4	5.76
DF24S-24-24A30	1-1/2	1-1/2	60.3	2.37	110.0	4.33	26.9	1.06	144.4	5.69
DF24S-24-24A60	1-1/2	1-1/2	60.3	2.37	113.2	4.46	56.9	2.24	147.6	5.81
DF24S-24-24A67.5	1-1/2	1-1/2	60.3	2.37	109.8	4.32	59.0	2.32	144.2	5.68
DF24S-32-24	1-1/2	2"	71.4	2.81	121.4	4.78	50.0	1.97	155.8	6.13
DF24S-32-24A22.5	1-1/2	2"	71.4	2.81	133.9	5.27	30.8	1.21	168.3	6.63
DF24S-32-24A30	1-1/2	2"	71.4	2.81	130.5	5.14	38.8	1.53	164.9	6.49
DF24S-32-24A60	1-1/2	2"	71.4	2.81	121.3	4.78	71.0	2.80	155.7	6.13
DF24S-32-24A67.5	1-1/2	2"	71.4	2.81	116.1	4.57	74.1	2.92	150.5	5.93
DF24S-32-32	2"	2"	71.4	2.81	140.2	5.52	50.0	1.97	184.1	7.25
DF24S-32-32A22.5	2"	2"	71.4	2.81	150.0	5.91	31.9	1.26	193.9	7.63
DF24S-32-32A30	2"	2"	71.4	2.81	143.2	5.64	37.3	1.47	187.1	7.37
DF24S-32-32A60	2"	2"	71.4	2.81	147.8	5.82	77.1	3.04	191.7	7.55
DF24S-32-32A67.5	2"	2"	71.4	2.81	143.6	5.65	79.9	3.15	187.5	7.38

DF29S SERIES(SAE Code 61 Flange 90~110 °)

[LIST](#)


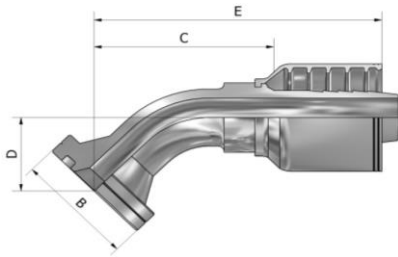
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF29S-08-08	1/2	1/2	30.2	1.19	47.8	1.88	43.0	1.69	78.0	3.07
DF29S-10-08	1/2	5/8	34.1	1.34	44.9	1.77	50.0	1.97	75.1	2.96
DF29S-10-10	5/8	5/8	34.1	1.34	45.3	1.78	53.0	2.09	80.6	3.17
DF29S-12-08	1/2	3/4	38.1	1.50	44.9	1.77	50.0	1.97	75.1	2.96
DF29S-12-10	5/8	3/4	38.1	1.50	45.3	1.78	53.0	2.09	80.6	3.17
DF29S-12-12	3/4	3/4	38.1	1.50	53.8	2.12	58.0	2.28	89.1	3.51
DF29S-12-12A110	3/4	3/4	38.1	1.50	52.1	2.05	84.0	3.31	87.4	3.44
DF29S-12-12D83	3/4	3/4	38.1	1.50	53.8	2.12	83.0	3.27	89.1	3.51
DF29S-12-12D100	3/4	3/4	38.1	1.50	53.8	2.12	100.0	3.94	89.2	3.51
DF29S-12-12D122	3/4	3/4	38.1	1.50	53.8	2.12	122.0	4.80	89.2	3.51
DF29S-16-12	3/4	1"	44.5	1.75	53.8	2.12	58.0	2.28	89.1	3.51
DF29S-16-12A100	3/4	1"	44.5	1.75	60.4	2.38	85.8	3.38	95.8	3.77
DF29S-16-12A110	3/4	1"	44.5	1.75	52.1	2.05	84.0	3.31	87.4	3.44
DF29S-16-12D80	3/4	1"	44.5	1.75	53.8	2.12	80.0	3.15	89.2	3.51
DF29S-16-16	1"	1"	44.5	1.75	66.3	2.61	70.0	2.76	107.1	4.22
DF29S-16-16A110	1"	1"	44.5	1.75	58.4	2.30	94.0	3.70	99.2	3.91
DF29S-16-16D117	1"	1"	44.5	1.75	66.3	2.61	117.0	4.61	107.1	4.22
DF29S-16-16D150	1"	1"	44.5	1.75	66.3	2.61	150.0	5.91	107.1	4.22
DF29S-16-16D90	1"	1"	44.5	1.75	66.3	2.61	90.0	3.54	107.1	4.22
DF29S-16-20	1-1/4	1"	44.5	1.75	68.5	2.70	70.0	2.76	112.2	4.42
DF29S-20-12	3/4	1-1/4	50.8	2.00	53.8	2.12	58.0	2.28	89.1	3.51
DF29S-20-16	1"	1-1/4	50.8	2.00	66.3	2.61	70.0	2.76	107.1	4.22
DF29S-20-16A110	1"	1-1/4	50.8	2.00	62.4	2.46	94.0	3.70	103.2	4.06
DF29S-20-16D100	1"	1-1/4	50.8	2.00	66.3	2.61	100.0	3.94	107.1	4.22
DF29S-20-16D117	1"	1-1/4	50.8	2.00	91.3	3.59	117.0	4.61	132.1	5.20
DF29S-20-20	1-1/4	1-1/4	50.8	2.00	86.7	3.41	82.0	3.23	130.4	5.13
DF29S-20-20A110	1-1/4	1-1/4	50.8	2.00	68.1	2.68	104.0	4.09	111.8	4.40
DF29S-20-20D130	1-1/4	1-1/4	50.8	2.00	106.7	4.20	130.0	5.12	150.4	5.92
DF29S-20-20D140	1-1/4	1-1/4	50.8	2.00	106.7	4.20	140.0	5.51	150.4	5.92
DF29S-20-20D168	1-1/4	1-1/4	50.8	2.00	106.7	4.20	168.0	6.61	150.4	5.92
DF29S-24-16	1"	1-1/2	60.3	2.37	66.3	2.61	75.0	2.95	107.1	4.22
DF29S-24-20	1-1/4	1-1/2	60.3	2.37	86.7	3.41	90.0	3.54	130.4	5.13
DF29S-24-20A110	1-1/4	1-1/2	60.3	2.37	68.1	2.68	104.0	4.09	111.8	4.40
DF29S-24-20D145	1-1/4	1-1/2	60.3	2.37	86.7	3.41	145.0	5.71	130.4	5.13
DF29S-24-24	1-1/2	1-1/2	60.3	2.37	103.6	4.08	104.0	4.09	138.0	5.43
DF29S-24-24D83	1-1/2	1-1/2	60.3	2.37	117.6	4.63	83.0	3.27	152.0	5.98
DF29S-32-24	1-1/2	2"	71.4	2.81	103.6	4.08	104.0	4.09	138.0	5.43
DF29S-32-32	2"	2"	71.4	2.81	137.1	5.40	120.0	4.72	181.0	7.13
DF29S-32-32A110	2"	2"	71.4	2.81	115.3	4.54	154.0	6.06	159.2	6.27

DF20H SERIES(SAE Code 62 Flange Straight)

[LIST](#)


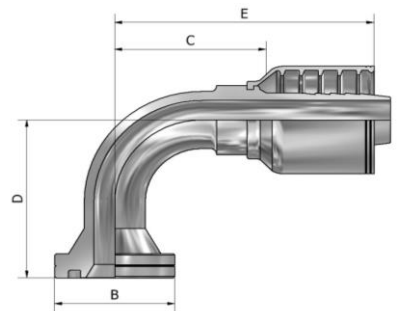
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF20H-08-08	1/2	1/2	31.8	1.25	57.6	2.27	87.8	3.46		
DF20H-12-12	3/4	3/4	41.3	1.63	69.2	2.72	104.6	4.12		
DF20H-16-12	3/4	1"	47.6	1.87	43.3	1.70	78.7	3.10		
DF20H-16-16	1"	1"	47.6	1.87	81.4	3.20	122.2	4.81		
DF20H-20-16	1"	1-1/4	54.0	2.13	50.9	2.00	91.7	3.61		
DF20H-20-20	1-1/4	1-1/4	54.0	2.13	83.6	3.29	127.3	5.01		
DF20H-24-24	1-1/2	1-1/2	63.5	2.50	74.4	2.93	108.8	4.28		
DF20H-32-32	2"	2"	79.4	3.13	83.2	3.28	127.1	5.00		

DF24H SERIES(SAE Code 62 Flange 45° Elbow)

[LIST](#)


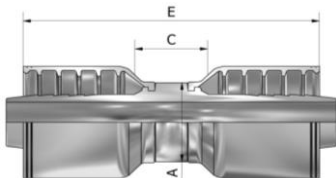
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF24H-08-08	1/2	1/2	31.8	1.25	51.6	2.03	21.5	0.85	81.8	3.22
DF24H-12-12	3/4	3/4	41.3	1.63	63.4	2.50	27.0	1.06	98.8	3.89
DF24H-16-16	1"	1"	47.6	1.87	77.5	3.05	32.0	1.26	118.3	4.66
DF24H-16-16A60	1"	1"	47.6	1.87	83.1	3.27	57.0	2.24	123.9	4.88
DF24H-20-16	1"	1-1/4	54.0	2.13	80.1	3.15	32.0	1.26	120.9	4.76
DF24H-20-20	1-1/4	1-1/4	54.0	2.13	97.0	3.82	38.0	1.50	140.7	5.5
DF24H-24-24	1-1/2	1-1/2	63.5	2.50	113.9	4.48	44.0	1.73	148.3	5.8
DF24H-32-32	2"	2"	79.4	3.13	149.0	5.87	56.0	2.20	192.9	7.59

DF29H SERIES(SAE Code 62 Flange 90° Elbow)

[LIST](#)


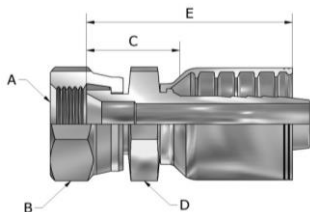
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF29H-08-08	1/2	1/2	31.8	1.25	44.7	1.76	45.0	1.77	74.9	2.95
DF29H-12-12	3/4	3/4	41.3	1.63	53.8	2.12	58.0	2.28	89.1	3.51
DF29H-16-12	3/4	1"	47.6	1.87	54.0	2.13	58.0	2.28	89.4	3.52
DF29H-16-16	1"	1"	47.6	1.87	70.2	2.76	70.0	2.76	110.0	4.33
DF29H-20-16	1"	1-1/4	54.0	2.13	68.0	2.68	70.0	2.76	108.8	4.28
DF29H-20-20	1-1/4	1-1/4	54.0	2.13	85.4	3.36	82.0	3.23	129.1	5.08
DF29H-24-24	1-1/2	1-1/2	63.5	2.50	102.1	4.02	104.0	4.09	136.5	5.37
DF29H-32-32	2"	2"	79.4	3.13	139.9	5.51	124.0	4.88	183.8	7.24

DN20J SERIES(Hose Joiner)

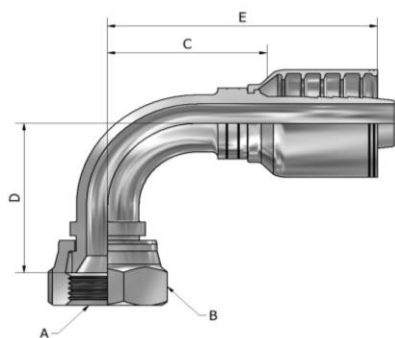
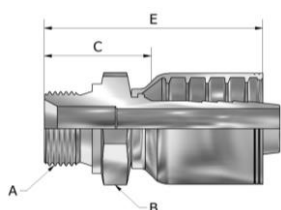
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Nipple		Tail-Growth		Overall length				
		MM	Inch	MM	Inch	MM	Inch			
		A		C		E				
DN20J-04-04	1/4	13.7	0.54	20.5	0.81	59.7	2.35			
DN20J-05-05	5/16	15.0	0.59	21.5	0.85	63.4	2.50			
DN20J-06-06	3/8	17.5	0.69	21.6	0.85	76.0	2.99			
DN20J-08-08	1/2	21.0	0.83	24.6	0.97	85.0	3.35			
DN20J-10-10	5/8	25.0	0.98	26.6	1.05	97.1	3.82			
DN20J-12-12	3/4	28.0	1.10	27.6	1.09	98.3	3.87			
DN20J-16-16	1"	34.0	1.34	34.6	1.36	116.2	4.57			
DN20J-20-20	1-1/4	45.0	1.77	37.4	1.47	124.7	4.91			

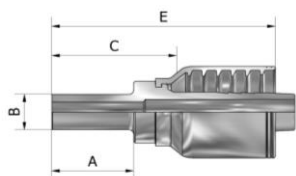
DS205 SERIES(JIS Female 30° Flare Straight)

[LIST](#)


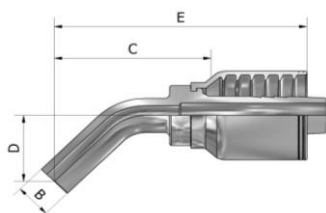
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DS205-04-04	1/4	1/4-19	19.0	0.75	22.7	0.89	19.0	0.75	42.3	1.67
DS205-06-04	1/4	3/8-19	22.0	0.87	25.5	1.00	22.0	0.87	45.1	1.78
DS205-06-06	3/8	3/8-19	22.0	0.87	26.1	1.03	22.0	0.87	53.3	2.10
DS205-06-08	1/2	3/8-19	22.0	0.87	26.6	1.05	22.0	0.87	56.8	2.24
DS205-08-08	1/2	1/2-14	27.0	1.06	27.9	1.10	27.0	1.06	58.1	2.29
DS205-12-10	5/8	3/4-14	36.0	1.42	32.4	1.28	36.0	1.42	67.7	2.67
DS205-12-12	3/4	3/4-14	36.0	1.42	32.4	1.28	36.0	1.42	67.8	2.67
DS205-16-16	1"	1"-11	41.0	1.61	36.9	1.45	41.0	1.61	77.7	3.06
DS205-20-20	1-1/4	1-1/4-11	50.0	1.97	42.2	1.66	50.0	1.97	85.9	3.38
DS205-24-24	1-1/2	1-1/2-11	55.0	2.17	48.3	1.90	60.0	2.36	82.7	3.26
DS205-32-32	2"	2"-11	70.0	2.76	52.0	2.05	70.0	2.76	95.9	3.78

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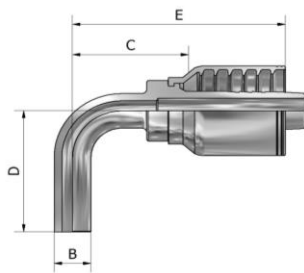
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DP20A-04-04	1/4	1/4-19	19.0	0.75	28.7	1.13	48.1	1.89		
DP20A-06-06	3/8	3/8-19	22.0	0.87	31.7	1.25	58.9	2.32		
DP20A-08-06	3/8	1/2-14	27.0	1.06	34.2	1.35	61.4	2.42		
DP20A-08-08	1/2	1/2-14	27.0	1.06	34.6	1.36	64.8	2.55		
DP20A-08-12	3/4	1/2-14	27.0	1.06	35.1	1.38	70.5	2.78		
DP20A-12-12	3/4	3/4-14	36.0	1.42	37.3	1.47	72.7	2.86		
DP20A-12-16	1"	3/4-14	36.0	1.42	39.8	1.57	80.6	3.17		
DP20A-16-12	3/4	1"-11	41.0	1.61	41.3	1.63	76.7	3.02		
DP20A-16-16	1"	1"-11	41.0	1.61	43.8	1.72	84.6	3.33		



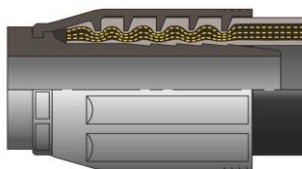
PART NUMBER	Products Description									
	Hose In-Dia	Length		Out-Dia		Tail-Growth		Overall length		
		MM	Inch	MM	Inch	MM	Inch	MM	Inch	
		A		B		C		E		
DN20P-06-04	1/4	22.0	0.87	6.0	0.24	31.9	1.26	52.2	2.06	
DN20P-12-04	1/4	26.0	1.02	12.0	0.47	37.7	1.48	58.0	2.28	
DN20P-12-06	3/8	26.0	1.02	12.0	0.47	38.3	1.51	65.5	2.58	
DN20P-12-08	1/2	26.0	1.02	12.0	0.47	40.8	1.61	71.0	2.80	
DN20P-16-08	1/2	30.0	1.18	16.0	0.63	44.8	1.76	75.0	2.95	

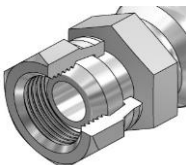
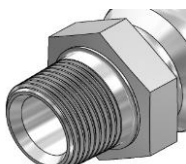
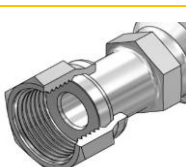
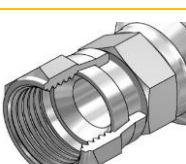
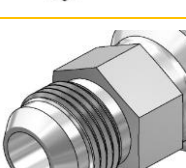
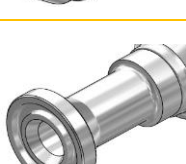
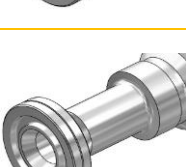
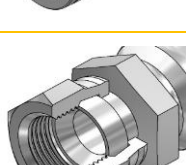
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DN29P SERIES(Male Standpipe Metric)

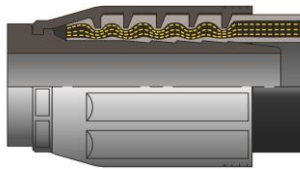
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DH-3 SERIES

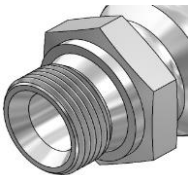


Applicable hose			SAE	ISO	EN				
				3862-1-4SP	856-4SP				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP3X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP305	DP345	DP395	
2	DP3X1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DP301	X	X	
3	DE3X3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DE303	DE343	DE393	
4	DC3X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC304	DC344	DC394	
5	DC3X2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DC302	X	X	
6	DF3XS		P:SAE Code 61 FlangeHead M:Straight SAE Flange 3000psi Code 61 E:SAE Code 61 Split Flange(FL)	SAE J 516 SAE J 518 ISO 12151-3		DF30S	DF34S	DF39S	
7	DF3XH		P:SAE Code 62 FlangeHead M:Straight SAE Flange 6000psi Code 62 E:SAE Code 62 Split Flange(FH)	SAE J 516 SAE J 518 ISO 12151-3		DF30H	DF34H	DF39H	
8	DS3X5		P:Female JIS/BSP Parallel Pipe Swivel(30° Flare) M:JIS BSP Female 60° Cone Seat E:JIS Female Swivel(JF)	JIS B 8363	PF	DS305	DS345	DS395	

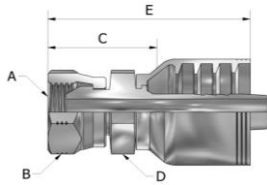
DH-3 SERIES



Applicable hose	SAE	ISO	EN
		3862-1-4SP	856-4SP

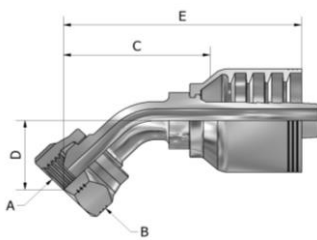
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
9	DP3XA		P:Male BSP Parallel Pipe Rigid 60° Cone M:BSP Male Parallel 60° Cone Seat E:BSP Male Parallel(BP)	BS 5200 ISO 12151-6	PF	DP30A	X	X	

DP305 SERIES(BSP Female Straight)

[LIST](#)


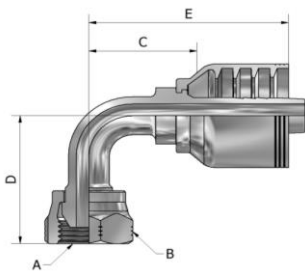
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DP305-04-06	3/8	1/4-19	19.0	0.7	34.3	1.35	19.0	0.75	59.2	2.33
DP305-06-06	3/8	3/8-19	22.0	0.9	37.6	1.48	22.0	0.87	62.5	2.46
DP305-06-08	1/2	3/8-19	22.0	0.9	38.2	1.50	22.0	0.87	68.6	2.70
DP305-08-06	3/8	1/2-14	27.0	1.1	41.3	1.63	24.0	0.94	66.2	2.61
DP305-08-08	1/2	1/2-14	27.0	1.1	41.3	1.63	27.0	1.06	71.7	2.82
DP305-10-08	1/2	5/8-14	28.6	1.1	38.5	1.52	27.0	1.06	68.9	2.71
DP305-12-08	1/2	3/4-14	36.0	1.4	45.8	1.80	36.0	1.42	76.2	3.00

DP345 SERIES(BSP Female 45 ° Elbow)

[LIST](#)


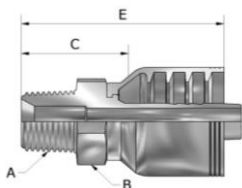
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DP345-06-06	3/8	3/8-19	22.0	0.87	45.7	1.80	22.2	0.87	70.6	2.78
DP345-08-06	3/8	1/2-14	27.0	1.06	59.3	2.33	28.8	1.13	84.2	3.31
DP345-08-08	1/2	1/2-14	27.0	1.06	54.1	2.13	28.0	1.10	84.5	3.33
DP345-10-08	1/2	5/8-14	28.6	1.12	54.0	2.13	27.6	1.09	84.4	3.32

DP395 SERIES(BSP Female 90 ° Elbow)

[LIST](#)


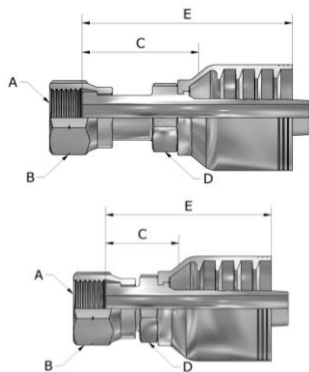
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DP395-04-06	3/8	1/4-19	19.0	0.75	31.8	1.25	35.3	1.39	56.7	2.23
DP395-06-06	3/8	3/8-19	22.0	0.87	31.1	1.22	40.4	1.59	56.0	2.20
DP395-06-06B	3/8	3/8-19	22.0	0.87	27.1	1.07	35.4	1.39	52.0	2.05
DP395-06-06D55	3/8	3/8-19	22.0	0.87	31.1	1.22	62.4	2.46	56.0	2.20
DP395-08-06	3/8	1/2-14	27.0	1.06	39.3	1.55	50.6	1.99	64.2	2.53
DP395-08-08	1/2	1/2-14	27.0	1.06	38.1	1.50	50.6	1.99	68.5	2.70
DP395-08-08B	1/2	1/2-14	27.0	1.06	32.8	1.29	42.0	1.65	63.2	2.49
DP395-08-08D80	1/2	1/2-14	27.0	1.06	35.2	1.39	89.7	3.53	65.6	2.58
DP395-12-08H32	1/2	3/4-14	32.0	1.26	38.1	1.50	51.3	2.02	68.5	2.70
DP395-12-08	1/2	3/4-14	36.0	1.42	38.1	1.50	51.3	2.02	68.5	2.70

DP301 SERIES(BSP Male Straight)

[LIST](#)


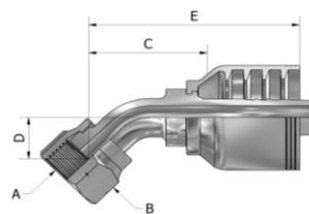
PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			A		B		C		E	
DP301-04-06	3/8	1/4-19	22.0	0.87	32.2	1.27	57.1	2.25		
DP301-06-06	3/8	3/8-19	22.0	0.87	31.5	1.24	56.4	2.22		
DP301-06-08	1/2	3/8-19	22.0	0.87	32.3	1.27	62.7	2.47		
DP301-08-06	3/8	1/2-14	27.0	1.06	36.1	1.42	61.0	2.40		
DP301-08-08	1/2	1/2-14	27.0	1.06	36.1	1.42	66.5	2.62		

DE303 SERIES(Female Seal Lok O-Ring Face Seal Straight)

[LIST](#)


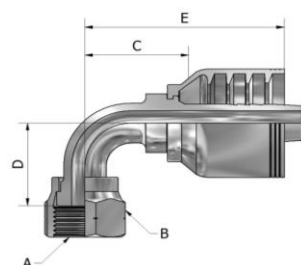
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DE303-09-06	3/8	9/16-18	17.5	0.69	34.3	1.35	17.5	0.69	59.2	2.33
DE303-11-06	3/8	11/16-16	22.0	0.87	33.0	1.30	17.5	0.69	57.9	2.28
DE303-11-06S	3/8	11/16-16	22.0	0.87	24.4	0.96	17.5	0.69	49.3	1.94
DE303-11-08	1/2	11/16-16	22.0	0.87	33.0	1.30	20.6	0.81	63.4	2.50
DE303-13-06	3/8	13/16-16	23.8	0.94	39.3	1.55	20.6	0.81	64.2	2.53
DE303-13-06S	3/8	13/16-16	23.8	0.94	25.9	1.02	20.6	0.81	50.8	2.00
DE303-13-08	1/2	13/16-16	23.8	0.94	40.1	1.58	22.0	0.87	70.5	2.78
DE303-13-08S	1/2	13/16-16	23.8	0.94	25.8	1.02	22.0	0.87	56.2	2.21
DE303-16-06	3/8	1"-14	30.0	1.18	45.3	1.78	23.8	0.94	70.2	2.76
DE303-16-08	1/2	1"-14	30.0	1.18	43.1	1.70	23.8	0.94	73.5	2.89
DE303-16-08S	1/2	1"-14	30.0	1.18	27.9	1.10	23.8	0.94	58.3	2.30
DE303-19-08	1/2	1-3/16-12	36.0	1.42	48.4	1.91	28.6	1.12	78.8	3.10

DE343 SERIES(Female Seal Lok O-Ring Face Seal 45 ° Elbow)

[LIST](#)


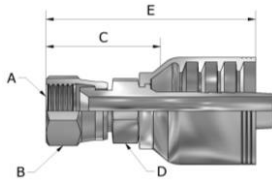
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DE343-11-06	3/8	11/16-16	22.0	0.87	34.5	1.36	11.0	0.43	59.4	2.34
DE343-13-06	3/8	13/16-16	23.8	0.94	40.4	1.59	15.0	0.59	65.3	2.57
DE343-13-08	1/2	13/16-16	23.8	0.94	41.3	1.63	15.0	0.59	71.7	2.82
DE343-13-08A22.5	1/2	13/16-16	23.8	0.94	45.0	1.77	9.1	0.36	75.4	2.97
DE343-16-08	1/2	1"-14	30.0	1.18	43.9	1.73	16.0	0.63	74.3	2.93

DE393 SERIES(Female Seal Lok O-Ring Face Seal 90 ° Elbow)

[LIST](#)


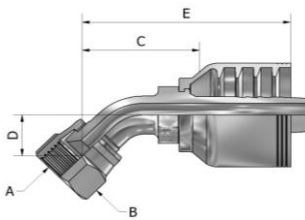
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DE393-11-06	3/8	11/16-16	22.0	0.87	31.1	1.22	23.0	0.91	56.0	2.20
DE393-11-06D54	3/8	11/16-16	22.0	0.87	31.1	1.22	54.0	2.13	56.0	2.20
DE393-11-06D75	3/8	11/16-16	22.0	0.87	31.1	1.22	75.0	2.95	56.0	2.20
DE393-11-06D80	3/8	11/16-16	22.0	0.87	31.1	1.22	80.0	3.15	56.0	2.20
DE393-13-06	3/8	13/16-16	23.8	0.94	33.0	1.30	29.0	1.14	57.9	2.28
DE393-13-06D64	3/8	13/16-16	23.8	0.94	33.0	1.30	64.0	2.52	57.9	2.28
DE393-13-08	1/2	13/16-16	23.8	0.94	35.1	1.38	29.0	1.14	65.5	2.58
DE393-13-08B	1/2	13/16-16	23.8	0.94	32.8	1.29	29.3	1.15	63.2	2.49
DE393-13-08D63.8	1/2	13/16-16	23.8	0.94	35.1	1.38	63.8	2.51	65.5	2.58
DE393-16-08	1/2	1"-14	30.0	1.18	38.2	1.50	32.0	1.26	68.6	2.70
DE393-16-08D70	1/2	1"-14	30.0	1.18	35.2	1.39	70.0	2.76	65.6	2.58
DE393-19-08	1/2	1-3/16-12	36.0	1.42	35.1	1.38	43.0	1.69	65.5	2.58

DC304 SERIES(Female JIC 37° Swivel Straight)

[LIST](#)


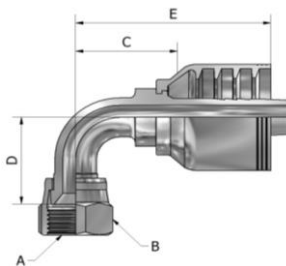
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DC304-07-06	3/8	7/16-20	14.3	0.56	30.8	1.21	17.5	0.69	55.7	2.19
DC304-08-08	1/2	1/2-20	15.9	0.62	34.1	1.34	20.6	0.81	64.5	2.54
DC304-09-06	3/8	9/16-18	17.5	0.69	33.3	1.31	17.5	0.69	58.2	2.29
DC304-09-08	1/2	9/16-18	17.5	0.69	33.3	1.31	20.6	0.81	63.7	2.51
DC304-12-06	3/8	3/4-16	22.2	0.87	36.2	1.43	17.5	0.69	61.1	2.41
DC304-12-08	1/2	3/4-16	22.2	0.87	38.9	1.53	20.6	0.81	69.3	2.73
DC304-14-06	3/8	7/8-14	25.4	1.00	41.8	1.65	22.2	0.87	66.7	2.63
DC304-14-08	1/2	7/8-14	25.4	1.00	41.8	1.65	22.2	0.87	72.2	2.84
DC304-17-06	3/8	1-1/16-12	31.8	1.25	43.4	1.71	27.0	1.06	68.3	2.69
DC304-17-08	1/2	1-1/16-12	31.8	1.25	40.1	1.58	27.0	1.06	70.5	2.78

DC344 SERIES(Female JIC 37° Swivel 45° Elbow)

[LIST](#)


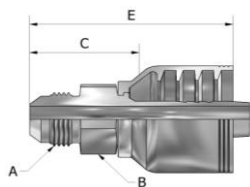
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DC344-08-08	1/2	1/2-20	15.9	0.62	35.8	1.41	10.0	0.39	66.2	2.61
DC344-09-06	3/8	9/16-18	17.5	0.69	34.5	1.36	11.0	0.43	59.4	2.34
DC344-12-06	3/8	3/4-16	22.2	0.87	37.5	1.48	14.0	0.55	62.4	2.46
DC344-12-08	1/2	3/4-16	22.2	0.87	41.4	1.63	15.0	0.59	71.8	2.83
DC344-14-06	3/8	7/8-14	25.4	1.00	41.5	1.63	15.0	0.59	66.4	2.61
DC344-14-08	1/2	7/8-14	25.4	1.00	41.4	1.63	15.0	0.59	71.8	2.83
DC344-17-06	3/8	1-1/16-12	31.8	1.25	42.7	1.68	19.2	0.76	67.6	2.66
DC344-17-08	1/2	1-1/16-12	31.8	1.25	48.1	1.89	20.0	0.79	78.5	3.09

DC394 SERIES(Female JIC 37° Swivel 90° Elbow)

[LIST](#)


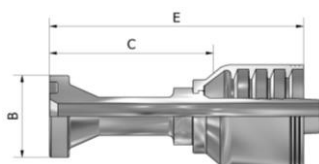
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DC394-07-06	3/8	7/16-20	14.3	0.56	30.1	1.19	21.0	0.83	55.0	2.17
DC394-08-06	3/8	1/2-20	15.9	0.62	30.1	1.19	24.0	0.94	55.0	2.17
DC394-09-06	3/8	9/16-18	17.5	0.69	31.1	1.22	23.0	0.91	56.0	2.20
DC394-09-06B	3/8	9/16-18	17.5	0.69	27.1	1.07	23.0	0.91	52.0	2.05
DC394-09-06D30	3/8	9/16-18	17.5	0.69	31.1	1.22	30.0	1.18	56.0	2.20
DC394-09-06D35	3/8	9/16-18	17.5	0.69	31.1	1.22	35.0	1.38	56.0	2.20
DC394-09-06D55	3/8	9/16-18	17.5	0.69	31.1	1.22	55.0	2.17	56.0	2.20
DC394-09-06D75	3/8	9/16-18	17.5	0.69	31.1	1.22	75.0	2.95	56.0	2.20
DC394-12-06	3/8	3/4-16	22.2	0.87	31.1	1.22	28.0	1.10	56.0	2.20
DC394-12-06B	3/8	3/4-16	22.2	0.87	27.1	1.07	24.0	0.94	52.0	2.05
DC394-12-06D62	3/8	3/4-16	22.2	0.87	41.1	1.62	62.0	2.44	66.0	2.60
DC394-12-08	1/2	3/4-16	22.2	0.87	35.2	1.39	31.0	1.22	65.6	2.58
DC394-12-08B	1/2	3/4-16	22.2	0.87	32.8	1.29	28.5	1.12	63.2	2.49
DC394-12-08D62	1/2	3/4-16	22.2	0.87	45.2	1.78	62.0	2.44	75.6	2.98
DC394-14-06	3/8	7/8-14	25.4	1.00	34.1	1.34	27.4	1.08	59.0	2.32
DC394-14-06B	3/8	7/8-14	25.4	1.00	32.8	1.29	29.4	1.16	57.7	2.27
DC394-14-08	1/2	7/8-14	25.4	1.00	35.2	1.39	31.0	1.22	65.6	2.58
DC394-14-08B	1/2	7/8-14	25.4	1.00	32.8	1.29	29.4	1.16	63.2	2.49
DC394-14-08D47	1/2	7/8-14	25.4	1.00	35.2	1.39	47.0	1.85	65.6	2.58
DC394-14-08D66	1/2	7/8-14	25.4	1.00	45.2	1.78	66.0	2.60	75.6	2.98
DC394-17-08	1/2	1-1/16-12	31.8	1.25	39.2	1.54	46.0	1.81	69.6	2.74

DC302 SERIES(Male JIC 37°)

[LIST](#)


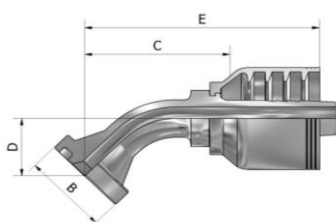
PART NUMBER	Products Description								
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		E				
DC302-09-06	3/8	9/16-18	19.0	0.75	35.0	1.38	59.9	2.36	
DC302-12-06	3/8	3/4-16	22.2	0.87	33.5	1.32	58.4	2.30	
DC302-12-08	1/2	3/4-16	22.2	0.87	37.6	1.48	68.0	2.68	
DC302-14-06	3/8	7/8-14	23.8	0.94	36.0	1.42	60.9	2.40	
DC302-14-08	1/2	7/8-14	23.8	0.94	36.0	1.42	66.4	2.61	
DC302-17-08	1/2	1-1/16-12	28.6	1.12	45.4	1.79	75.8	2.98	

DF30S SERIES(SAE Code 61 Flange Straight)

[LIST](#)


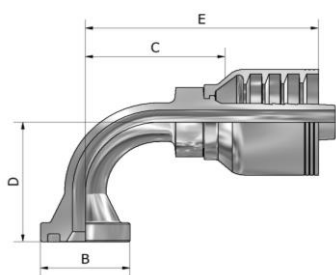
PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		E				
DF30S-08-08	1/2	1/2	30.2	1.19	57.9	2.28	88.3	3.48	
DF30S-10-08	1/2	5/8	34.1	1.34	32.2	1.27	62.6	2.46	
DF30S-12-08	1/2	3/4	38.1	1.50	32.0	1.26	62.4	2.46	

DF34S SERIES(SAE Code 61 Flange 45°)

[LIST](#)


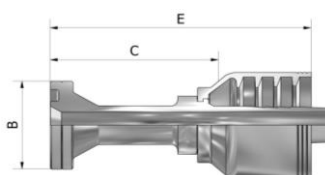
PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		D		E		
DF34S-08-08	1/2	1/2	30.2	1.19	51.9	2.04	21.5	0.85	82.3
DF34S-10-08	1/2	5/8	34.1	1.34	52.1	2.05	21.5	0.85	82.5
DF34S-12-08	1/2	3/4	38.1	1.50	52.6	2.07	22.0	0.87	83.0

DF39S SERIES(SAE Code 61 Flange 90°)

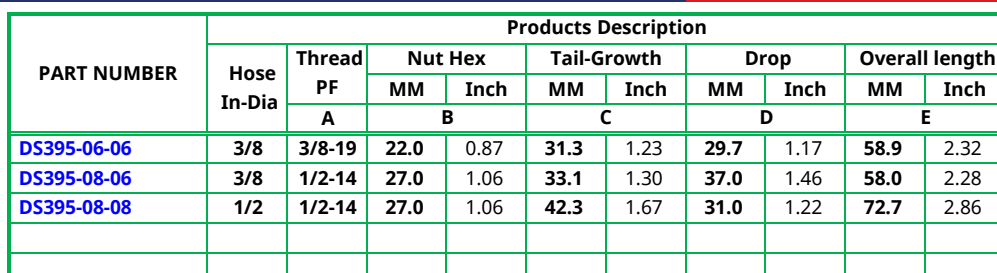
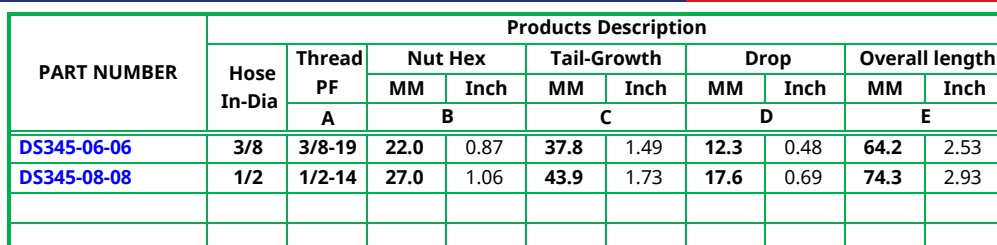
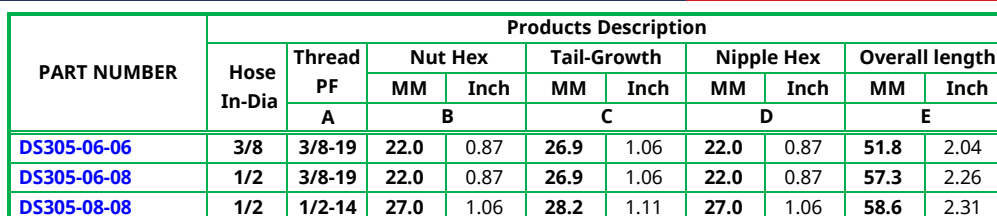
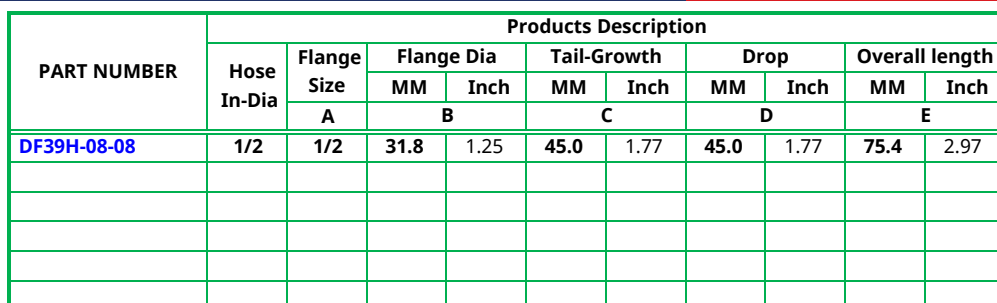
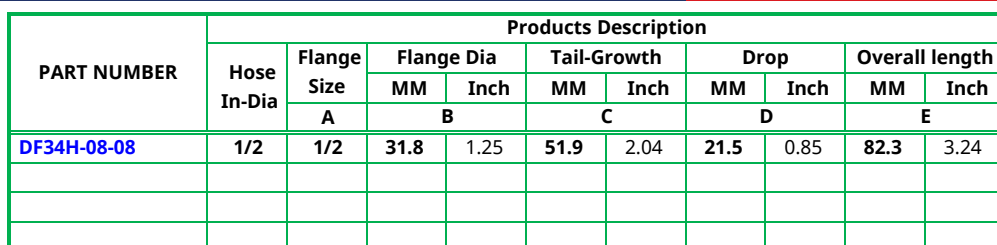
[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		D		E		
DF39S-08-08	1/2	1/2	30.2	1.19	48.1	1.89	43.0	1.69	78.5
DF39S-10-08	1/2	5/8	34.1	1.34	45.2	1.78	50.0	1.97	75.6
DF39S-12-08	1/2	3/4	38.1	1.50	45.2	1.78	50.0	1.97	75.6

DF30H SERIES(SAE Code 62 Flange Straight)

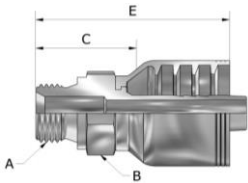
[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
	A	B	C		E				
DF30H-08-08	1/2	1/2	31.8	1.25	57.9	2.28	88.3	3.48	



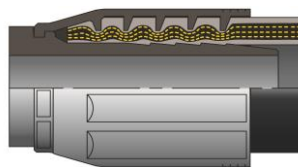
DP30A SERIES(Male BSP Parallel Pipe 60 ° Cone)

LIST

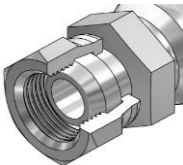
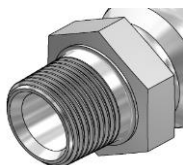
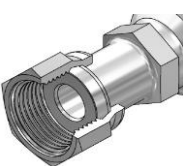
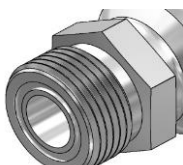
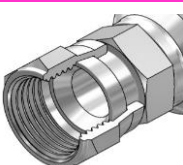
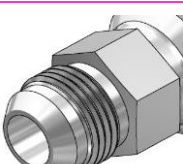
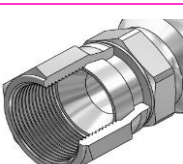
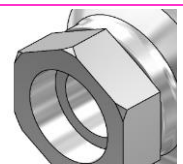


PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			A		B		C		E	
DP30A-06-06	3/8	3/8-19	22.0	0.87	32.5	1.28	57.4	2.26		
DP30A-08-06	3/8	1/2-14	27.0	1.06	35.0	1.38	59.9	2.36		
DP30A-08-08	1/2	1/2-14	27.0	1.06	34.9	1.37	65.3	2.57		

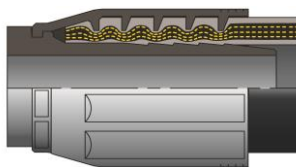
DH-4 SERIES

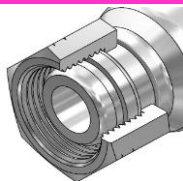
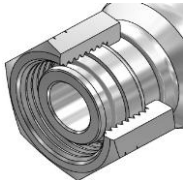
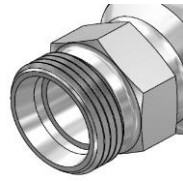
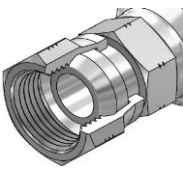
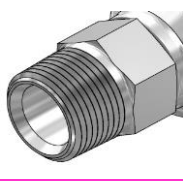
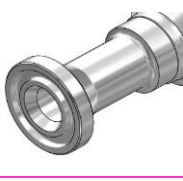
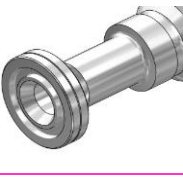
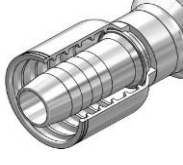


Applicable hose			SAE	ISO	EN
			100R12	3862-1 R12	856 R12

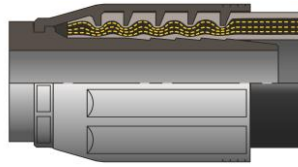
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP4X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP405	DP445	DP495	
2	DP4X1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DP401	X	X	
3	DE4X3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DE403	DE443	DE493	
4	DE4XO		P:Male Seal-Lok Rigid M:ORFS Male E:Male ORS(MR)	SAE J1453 ISO 12151-1-5	UNF	DE400	X	X	
5	DC4X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC404	DC444	DC494	
6	DC4X2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DC402	X	X	
7	DS4X6		P:Female Metric Swivel 30° Flare M:JIS Metric Female 60° Cone Seat(KOMATSU) E:Komatsu Female Swivel(KF)	JIS B 8363	METRIC	DS406	X	DS496	
8	DN4XL		Life Saver M:Brasing Tail			DN40L	X	X	

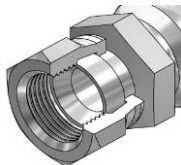
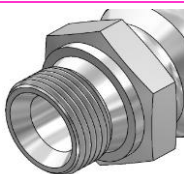
DH-4 SERIES



Applicable hose			SAE	ISO	EN				
			100R12	3862-1 R12	856 R12				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
9	DD4X6		P:Female Metric Swivel - Ball Nose M:Metric Female Multi-Seal	DIN20078/3863	METRIC	DD406	DD446	DD496	
10	DD4X6		P:Female Metric Swivel 24° Cone M:O-Ring Metric Female 24° Cone E:DKO Female Swivel	DIN20066/3865 ISO 12151-2	METRIC	DD406	DD446	DD496	
11	DM4XC		P:Male Metric Rigid 24° Cone M:Metric Male 24° Cone Seat E:24° Male	DIN20066/3861 ISO 12151-2	METRIC	DM40C	X	X	
12	DP4X7		P:Female NPSM Pipe Swivel 60° Cone M:NPSM Female 30° Cone		NPSM	DP407	X	X	
13	DP4X9		P:Male NPTF Pipe Rigid M:NPTF Male 30° Cone Seat E:Male Pipe(MP)	SAE J 516	NPTF	DP409	X	X	
14	DF4XS		P:SAE Code 61 FlangeHead M:Straight SAE Flange 3000psi Code 61 E:SAE Code 61 Split Flange(FL)	SAE J 516 SAE J 518 ISO 12151-3		DF40S	DF44S	DF49S	
15	DF4XH		P:SAE Code 62 FlangeHead M:Straight SAE Flange 6000psi Code 62 E:SAE Code 62 Split Flange(FH)	SAE J 516 SAE J 518 ISO 12151-3		DF40H	DF44H	DF49H	
16	DN4XJ		Hose Joiner M:Double Connector			DN40J	X	X	

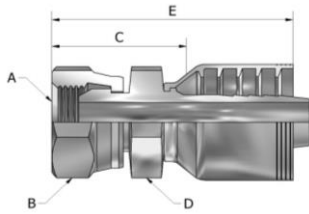
DH-4 SERIES



Applicable hose			SAE	ISO	EN				
			100R12	3862-1 R12	856 R12				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
17	DS4X5		P:Female JIS/BSP Parallel Pipe Swivel(30° Flare) M:JIS BSP Female 60° Cone Seat E:JIS Female Swivel(JF)	JIS B 8363	PF	DS405	X	DS495	
18	DP4XA		P:Male BSP Parallel Pipe Rigid 60° Cone M:BSP Male Parallel 60° Cone Seat E:BSP Male Parallel(BP)	BS 5200 ISO 12151-6	PF	DP40A	X	X	

DP405 SERIES(BSP Female Straight)

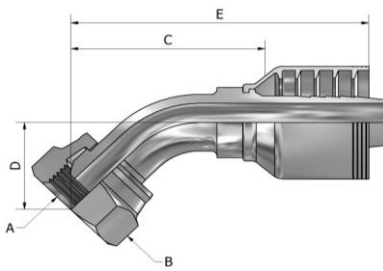
LIST



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DP405-04-06	3/8	1/4-19	19.0	0.75	34.3	1.35	19.0	0.75	58.1	2.29
DP405-06-06	3/8	3/8-19	22.0	0.87	37.6	1.48	22.0	0.87	61.4	2.42
DP405-06-08	1/2	3/8-19	22.0	0.87	38.2	1.50	22.0	0.87	68.6	2.70
DP405-08-06	3/8	1/2-14	27.0	1.06	41.3	1.63	24.0	0.94	65.1	2.56
DP405-08-08	1/2	1/2-14	27.0	1.06	41.3	1.63	27.0	1.06	71.7	2.82
DP405-08-10	5/8	1/2-14	27.0	1.06	42.9	1.69	27.0	1.06	74.4	2.93
DP405-08-12	3/4	1/2-14	27.0	1.06	41.6	1.64	27.0	1.06	78.0	3.07
DP405-10-08	1/2	5/8-14	28.6	1.12	38.5	1.52	27.0	1.06	68.9	2.71
DP405-10-10	5/8	5/8-14	28.6	1.12	40.0	1.57	27.0	1.06	71.5	2.81
DP405-12-08	1/2	3/4-14	36.0	1.42	45.8	1.80	36.0	1.42	76.2	3.00
DP405-12-10	5/8	3/4-14	36.0	1.42	47.3	1.86	36.0	1.42	78.8	3.10
DP405-12-12	3/4	3/4-14	36.0	1.42	45.0	1.77	36.0	1.42	81.4	3.20
DP405-16-12	3/4	1"-11	41.0	1.61	49.2	1.94	41.0	1.61	85.6	3.37
DP405-16-16	1"	1"-11	41.0	1.61	51.5	2.03	41.0	1.61	95.4	3.76
DP405-20-16	1"	1-1/4-11	50.0	1.97	58.7	2.31	50.0	1.97	102.6	4.04
DP405-20-20	1-1/4	1-1/4-11	50.0	1.97	61.8	2.43	50.0	1.97	104.3	4.11
DP405-24-24	1-1/2	1-1/2-11	60.0	2.36	64.4	2.54	55.0	2.17	119.6	4.71
DP405-32-32	2"	2"-11	70.0	2.76	73.4	2.89	70.0	2.76	195.4	7.69

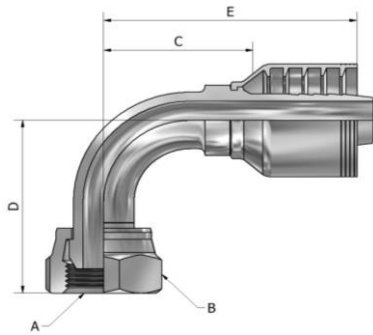
DP445 SERIES(BSP Female 45° Elbow)

LIST



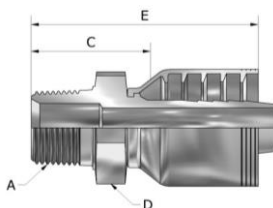
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DP445-06-06	3/8	3/8-19	22.0	0.87	45.7	1.80	22.2	0.87	69.5	2.74
DP445-08-06	3/8	1/2-14	27.0	1.06	59.3	2.33	28.8	1.13	83.1	3.27
DP445-08-08	1/2	1/2-14	27.0	1.06	54.1	2.13	28.0	1.10	84.4	3.32
DP445-10-08	1/2	5/8-14	28.6	1.12	54.0	2.13	27.6	1.09	84.4	3.32
DP445-10-10	5/8	5/8-14	28.6	1.12	54.3	2.14	24.3	0.96	85.8	3.38
DP445-12-10	5/8	3/4-14	36.0	1.42	61.7	2.43	29.2	1.15	93.2	3.67
DP445-12-12	3/4	3/4-14	36.0	1.42	67.0	2.64	32.3	1.27	103.3	4.07
DP445-16-12	3/4	1"-11	41.0	1.61	71.2	2.80	37.4	1.47	107.5	4.23
DP445-16-16	1"	1"-11	41.0	1.61	84.8	3.34	40.4	1.59	128.6	5.06
DP445-20-20	1-1/4	1-1/4-11	50.0	1.97	116.3	4.58	55.5	2.19	158.8	6.25
DP445-24-24	1-1/2	1-1/2-11	55.0	2.17	131.4	5.17	60.1	2.37	186.6	7.35
DP445-32-32	2"	2"-11	70.0	2.76	161.8	6.37	68.8	2.71	219.6	8.65

DP495 SERIES(BSP Female 90 ° Elbow)

[LIST](#)


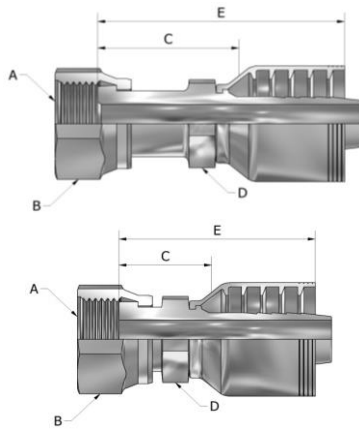
PART NUMBER	Products Description									
	Hose In-Dia	Thread	Nut Hex		Tail-Growth		Drop		Overall length	
		PF	MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DP495-04-06	3/8	1/4-19	19.0	0.75	31.8	1.25	35.3	1.39	55.6	2.19
DP495-06-06	3/8	3/8-19	22.0	0.87	31.1	1.22	40.4	1.59	54.9	2.16
DP495-06-06B	3/8	3/8-19	22.0	0.87	27.1	1.07	35.4	1.39	50.9	2.00
DP495-06-06D55	3/8	3/8-19	22.0	0.87	31.1	1.22	62.4	2.46	54.9	2.16
DP495-08-06	3/8	1/2-14	27.0	1.06	39.3	1.55	50.6	1.99	63.1	2.48
DP495-08-08	1/2	1/2-14	27.0	1.06	38.1	1.50	50.6	1.99	68.5	2.70
DP495-08-08B	1/2	1/2-14	27.0	1.06	32.8	1.29	42.0	1.65	63.2	2.49
DP495-08-08D80	1/2	1/2-14	27.0	1.06	35.2	1.39	89.7	3.53	65.6	2.58
DP495-10-10	5/8	5/8-14	28.6	1.12	41.6	1.64	51.8	2.04	73.1	2.88
DP495-12-08	1/2	3/4-14	36.0	1.42	38.1	1.50	51.3	2.02	68.5	2.70
DP495-12-10	5/8	3/4-14	36.0	1.42	49.6	1.95	59.0	2.32	81.1	3.19
DP495-12-12	3/4	3/4-14	36.0	1.42	51.3	2.02	64.0	2.52	87.6	3.45
DP495-12-12B	3/4	3/4-14	36.0	1.42	36.9	1.45	45.0	1.77	73.2	2.88
DP495-16-16	1"	1"-11	41.0	1.61	77.6	3.06	84.0	3.31	121.5	4.78
DP495-16-16D100	1"	1"-11	41.0	1.61	77.6	3.06	120.5	4.74	121.5	4.78
DP495-20-20	1-1/4	1-1/4-11	50.0	1.97	87.2	3.43	101.9	4.01	129.7	5.11
DP495-24-24	1-1/2	1-1/2-11	55.0	2.17	103.5	4.07	120.0	4.72	158.7	6.25
DP495-32-32	2"	2"-11	70.0	2.76	144.2	5.68	152.9	6.02	202.1	7.96

DP401 SERIES(BSP Male Straight)

[LIST](#)


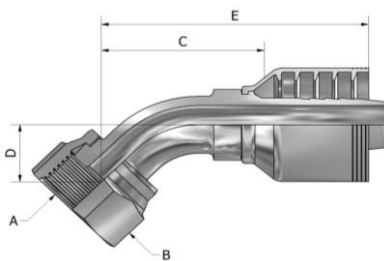
PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DP401-04-06	3/8	1/4-19	19.0	0.75	32.2	1.27	56.0	2.20		
DP401-06-06	3/8	3/8-19	22.0	0.87	31.5	1.24	55.3	2.18		
DP401-06-08	1/2	3/8-19	22.0	0.87	32.3	1.27	62.7	2.47		
DP401-08-06	3/8	1/2-14	27.0	1.06	36.1	1.42	59.9	2.36		
DP401-08-08	1/2	1/2-14	27.0	1.06	36.1	1.42	66.5	2.62		
DP401-08-10	5/8	1/2-14	27.0	1.06	37.6	1.48	69.1	2.72		
DP401-08-12	3/4	1/2-14	27.0	1.06	39.3	1.55	75.7	2.98		
DP401-12-10	5/8	3/4-14	36.0	1.42	41.7	1.64	73.2	2.88		
DP401-12-12	3/4	3/4-14	36.0	1.42	39.4	1.55	75.8	2.98		
DP401-16-12	3/4	1"-11	41.0	1.61	44.2	1.74	80.6	3.17		
DP401-16-16	1"	1"-11	41.0	1.61	46.4	1.83	90.3	3.56		
DP401-20-20	1-1/4	1-1/4-11	50.0	1.97	54.1	2.13	96.6	3.80		
DP401-24-24	1-1/2	1-1/2-11	60.0	2.36	57.9	2.28	113.1	4.45		
DP401-32-32	2"	2"-11	70.0	2.76	67.9	2.67	125.8	4.95		

DE403 SERIES(Female Seal Lok O-Ring Face Seal Straight)

[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE403-09-06	3/8	9/16-18	17.5	0.69	34.3	1.35	17.5	0.69	58.1	
DE403-11-06	3/8	11/16-16	22.0	0.87	33.0	1.30	17.5	0.69	56.8	
DE403-11-06S	3/8	11/16-16	22.0	0.87	24.4	0.96	17.5	0.69	48.2	
DE403-11-08	1/2	11/16-16	22.0	0.87	33.0	1.30	20.6	0.81	63.4	
DE403-13-06	3/8	13/16-16	23.8	0.94	39.3	1.55	20.6	0.81	63.1	
DE403-13-06S	3/8	13/16-16	23.8	0.94	25.9	1.02	20.6	0.81	49.7	
DE403-13-08	1/2	13/16-16	23.8	0.94	40.1	1.58	22.0	0.87	70.5	
DE403-13-08S	1/2	13/16-16	23.8	0.94	25.8	1.02	22.0	0.87	56.2	
DE403-16-06	3/8	1"-14	30.0	1.18	45.3	1.78	23.8	0.94	69.1	
DE403-16-08	1/2	1"-14	30.0	1.18	43.1	1.70	23.8	0.94	73.5	
DE403-16-08S	1/2	1"-14	30.0	1.18	27.9	1.10	23.8	0.94	58.3	
DE403-16-10	5/8	1"-14	30.0	1.18	44.6	1.76	23.8	0.94	76.1	
DE403-16-10S	5/8	1"-14	30.0	1.18	29.4	1.16	23.8	0.94	60.9	
DE403-16-12	3/4	1"-14	30.0	1.18	45.0	1.77	27.0	1.06	81.4	
DE403-19-08	1/2	1-3/16-12	36.0	1.42	48.4	1.91	28.6	1.12	78.8	
DE403-19-10	5/8	1-3/16-12	36.0	1.42	49.3	1.94	28.6	1.12	80.8	
DE403-19-10S	5/8	1-3/16-12	36.0	1.42	34.0	1.34	28.6	1.12	65.5	
DE403-19-12	3/4	1-3/16-12	36.0	1.42	47.6	1.87	28.6	1.12	84.0	
DE403-19-12S	3/4	1-3/16-12	36.0	1.42	31.6	1.24	28.6	1.12	68.0	
DE403-19-16	1"	1-3/16-12	36.0	1.42	50.3	1.98	35.0	1.38	94.1	
DE403-23-12	3/4	1-7/16-12	41.0	1.61	49.2	1.94	35.0	1.38	85.6	
DE403-23-16	1"	1-7/16-12	41.0	1.61	49.9	1.96	35.0	1.38	93.8	
DE403-23-16S	1"	1-7/16-12	41.0	1.61	37.7	1.48	35.0	1.38	81.6	
DE403-23-20	1-1/4	1-7/16-12	41.0	1.61	53.7	2.11	44.5	1.75	96.2	
DE403-27-16	1"	1-11/16-12	50.0	1.97	54.0	2.13	41.0	1.61	103.1	
DE403-27-20	1-1/4	1-11/16-12	50.0	1.97	53.6	2.11	46.0	1.81	96.1	
DE403-27-20S	1-1/4	1-11/16-12	50.0	1.97	40.9	1.61	46.0	1.81	83.4	
DE403-32-24	1-1/2	2"-12	60.0	2.36	65.3	2.57	50.8	2.00	120.5	
DE403-32-24S	1-1/2	2"-12	60.0	2.36	42.7	1.68	50.8	2.00	97.9	

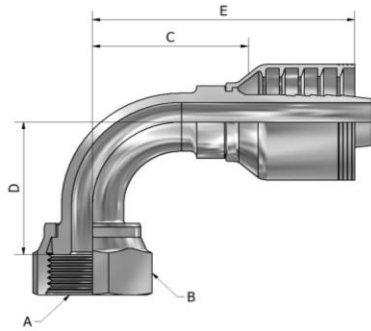
DE443 SERIES(Female Seal Lok O-Ring Face Seal 45° Elbow)

[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DE443-11-06	3/8	11/16-16	22.0	0.87	34.5	1.36	11.0	0.43	58.3	2.30
DE443-13-06	3/8	13/16-16	23.8	0.94	40.4	1.59	15.0	0.59	64.2	2.53
DE443-13-08	1/2	13/16-16	23.8	0.94	41.3	1.63	15.0	0.59	71.7	2.82
DE443-13-08A22.5	1/2	13/16-16	23.8	0.94	45.0	1.77	9.1	0.36	75.3	2.96
DE443-16-08	1/2	1"-14	30.0	1.18	43.9	1.73	16.0	0.63	74.3	2.93
DE443-16-10	5/8	1"-14	30.0	1.18	45.5	1.79	16.0	0.63	77.0	3.03
DE443-19-10	5/8	1-3/16-12	36.0	1.42	58.1	2.29	21.0	0.83	89.6	3.53
DE443-19-12	3/4	1-3/16-12	36.0	1.42	55.8	2.20	21.1	0.83	92.2	3.63
DE443-23-12	3/4	1-7/16-12	41.0	1.61	61.2	2.41	26.5	1.04	97.6	3.84
DE443-23-16	1"	1-7/16-12	41.0	1.61	69.0	2.72	24.0	0.94	112.9	4.44
DE443-23-20	1-1/4	1-7/16-12	41.0	1.61	70.4	2.77	24.0	0.94	112.9	4.44
DE443-27-20	1-1/4	1-11/16-12	50.0	1.97	102.7	4.04	41.0	1.61	145.2	5.72
DE443-32-24	1-1/2	2"-12	60.0	2.36	119.3	4.70	48.0	1.89	174.5	6.87

DE493 SERIES(Female Seal Lok O-Ring Face Seal 90 ° Elbow)

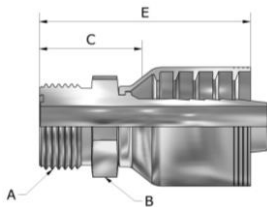
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PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DE493-11-06	3/8	11/16-16	22.0	0.87	31.1	1.22	23.0	0.91	54.9	2.16
DE493-11-06D54	3/8	11/16-16	22.0	0.87	31.1	1.22	54.0	2.13	54.9	2.16
DE493-11-06D75	3/8	11/16-16	22.0	0.87	31.1	1.22	75.0	2.95	54.9	2.16
DE493-11-06D80	3/8	11/16-16	22.0	0.87	31.1	1.22	80.0	3.15	54.9	2.16
DE493-13-06	3/8	13/16-16	23.8	0.94	33.0	1.30	29.0	1.14	56.8	2.24
DE493-13-06D64	3/8	13/16-16	23.8	0.94	33.0	1.30	64.0	2.52	56.8	2.24
DE493-13-08	1/2	13/16-16	23.8	0.94	35.1	1.38	29.0	1.14	65.5	2.58
DE493-13-08B	1/2	13/16-16	23.8	0.94	32.8	1.29	29.3	1.15	63.2	2.49
DE493-13-08D63.8	1/2	13/16-16	23.8	0.94	35.1	1.38	63.8	2.51	65.5	2.58
DE493-16-08	1/2	1"-14	30.0	1.18	38.2	1.50	32.0	1.26	68.6	2.70
DE493-16-08D70	1/2	1"-14	30.0	1.18	35.2	1.39	70.0	2.76	65.6	2.58
DE493-16-10	5/8	1"-14	30.0	1.18	40.6	1.60	32.0	1.26	72.1	2.84
DE493-16-10D70	5/8	1"-14	30.0	1.18	40.6	1.60	70.0	2.76	72.1	2.84
DE493-19-08	1/2	1-3/16-12	36.0	1.42	35.1	1.38	43.0	1.69	65.5	2.58
DE493-19-10	5/8	1-3/16-12	36.0	1.42	47.0	1.85	48.0	1.89	78.5	3.09
DE493-19-12	3/4	1-3/16-12	36.0	1.42	52.3	2.06	48.0	1.89	88.7	3.49
DE493-19-12D96	3/4	1-3/16-12	36.0	1.42	52.3	2.06	96.0	3.78	88.7	3.49
DE493-23-12	3/4	1-7/16-12	41.0	1.61	52.3	2.06	56.0	2.20	88.7	3.49
DE493-23-16	1"	1-7/16-12	41.0	1.61	67.3	2.65	56.0	2.20	111.2	4.38
DE493-23-16D114	1"	1-7/16-12	41.0	1.61	67.3	2.65	114.0	4.49	111.2	4.38
DE493-23-20	1-1/4	1-7/16-12	41.0	1.61	68.7	2.70	58.0	2.28	111.2	4.38
DE493-27-16	1"	1-11/16-12	50.0	1.97	62.6	2.46	75.0	2.95	106.5	4.19
DE493-27-20	1-1/4	1-11/16-12	50.0	1.97	87.3	3.44	82.0	3.23	136.1	5.36
DE493-32-20	1-1/4	2"-12	60.0	2.36	87.3	3.44	84.0	3.3	129.8	5.11
DE493-32-24	1-1/2	2"-12	60.0	2.36	105.0	4.13	101.0	3.98	160.2	6.31

DE400 SERIES(Male Seal-Lok)

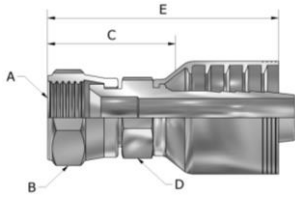
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PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			A		B		C		E	
DE400-11-06	3/8	11/16-16	19.0	0.75	26.8	1.06	50.6	1.99		
DE400-13-06	3/8	13/16-16	22.0	0.87	32.1	1.26	55.9	2.20		
DE400-13-08	1/2	13/16-16	22.0	0.87	32.1	1.26	62.5	2.46		
DE400-16-08	1/2	1"-14	27.0	1.06	37.1	1.46	67.5	2.66		
DE400-16-10	5/8	1"-14	27.0	1.06	38.6	1.52	70.1	2.76		
DE400-19-10	5/8	1-3/16-12	32.0	1.26	35.8	1.41	67.3	2.65		
DE400-19-12	3/4	1-3/16-12	32.0	1.26	33.5	1.32	69.9	2.75		
DE400-23-12	3/4	1-7/16-12	38.0	1.50	41.0	1.61	77.4	3.05		
DE400-23-16	1"	1-7/16-12	38.0	1.50	45.0	1.77	88.9	3.50		
DE400-27-20	1-1/4	1-11/16-12	44.5	1.75	46.0	1.81	88.5	3.48		

DC404 SERIES(Female JIC 37° Swivel Straight)

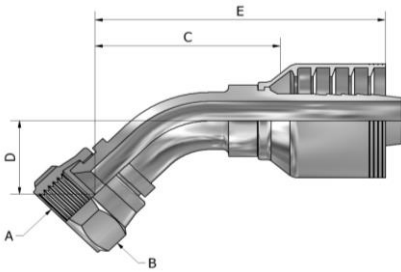
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PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DC404-07-06	3/8	7/16-20	14.3	0.56	30.8	1.21	17.5	0.69	45.8	1.80
DC404-08-08	1/2	1/2-20	15.9	0.62	34.1	1.34	20.6	0.81	64.5	2.54
DC404-09-06	3/8	9/16-18	17.5	0.69	33.3	1.31	17.5	0.69	57.1	2.25
DC404-09-08	1/2	9/16-18	17.5	0.69	33.3	1.31	20.6	0.81	63.7	2.51
DC404-12-06	3/8	3/4-16	22.2	0.87	36.2	1.43	17.5	0.69	60.1	2.37
DC404-12-08	1/2	3/4-16	22.2	0.87	38.9	1.53	20.6	0.81	69.3	2.73
DC404-12-10	5/8	3/4-16	22.2	0.87	37.6	1.48	23.8	0.94	69.1	2.72
DC404-12-12	3/4	3/4-16	22.2	0.87	35.4	1.39	27.0	1.06	71.8	2.83
DC404-14-06	3/8	7/8-14	25.4	1.00	41.8	1.65	22.2	0.87	65.6	2.58
DC404-14-08	1/2	7/8-14	25.4	1.00	41.8	1.65	22.2	0.87	72.2	2.84
DC404-14-10	5/8	7/8-14	25.4	1.00	40.5	1.59	23.8	0.94	72.0	2.83
DC404-14-12	3/4	7/8-14	25.4	1.00	37.9	1.49	27.0	1.06	74.4	2.93
DC404-17-06	3/8	1-1/16-12	31.8	1.25	43.4	1.71	27.0	1.06	67.2	2.65
DC404-17-08	1/2	1-1/16-12	31.8	1.25	40.1	1.58	27.0	1.06	70.5	2.78
DC404-17-10	5/8	1-1/16-12	31.8	1.25	44.9	1.77	27.0	1.06	76.4	3.01
DC404-17-12	3/4	1-1/16-12	31.8	1.25	44.1	1.74	27.0	1.06	80.5	3.17
DC404-17-16	1"	1-1/16-12	31.8	1.25	46.7	1.84	35.0	1.38	90.6	3.57
DC404-19-12	3/4	1-3/16-12	36.0	1.42	44.7	1.76	31.8	1.25	81.1	3.19
DC404-21-12	3/4	1-5/16-12	38.0	1.50	47.0	1.85	31.8	1.25	83.4	3.28
DC404-21-16	1"	1-5/16-12	38.0	1.50	49.3	1.94	35.0	1.38	93.1	3.67
DC404-21-20	1-1/4	1-5/16-12	38.0	1.50	53.9	2.12	47.6	1.87	96.4	3.80
DC404-26-16	1"	1-5/8-12	50.0	1.97	55.2	2.17	41.3	1.62	99.1	3.90
DC404-26-20	1-1/4	1-5/8-12	50.0	1.97	58.2	2.29	47.6	1.87	100.7	3.96
DC404-30-20	1-1/4	1-7/8-12	55.0	2.17	61.3	2.41	54.0	2.13	103.8	4.09
DC404-30-24	1-1/2	1-7/8-12	55.0	2.17	63.1	2.48	54.0	2.13	118.3	4.66
DC404-40-32	2"	2-1/2-12	73.0	2.87	79.8	3.14	63.5	2.50	137.7	5.42

DC444 SERIES(Female JIC 37° Swivel 45° Elbow)

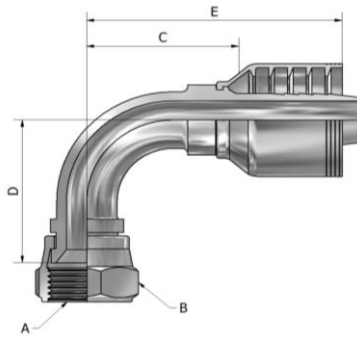
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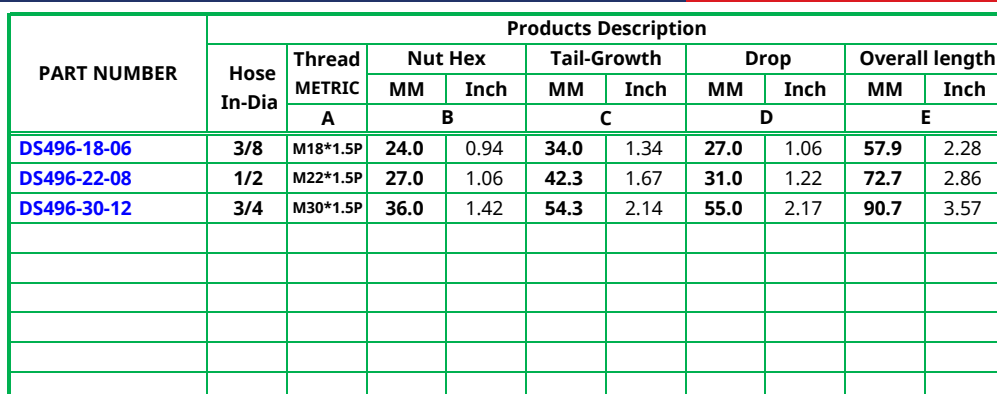
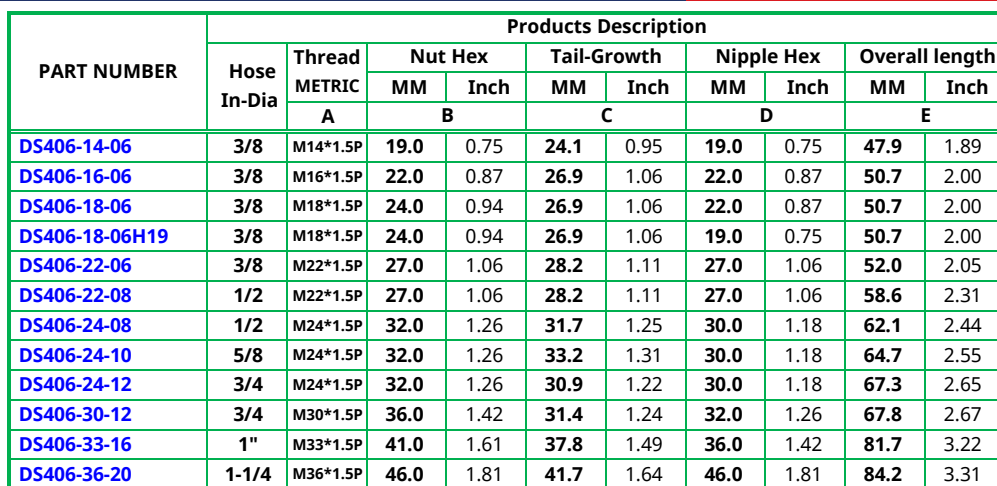
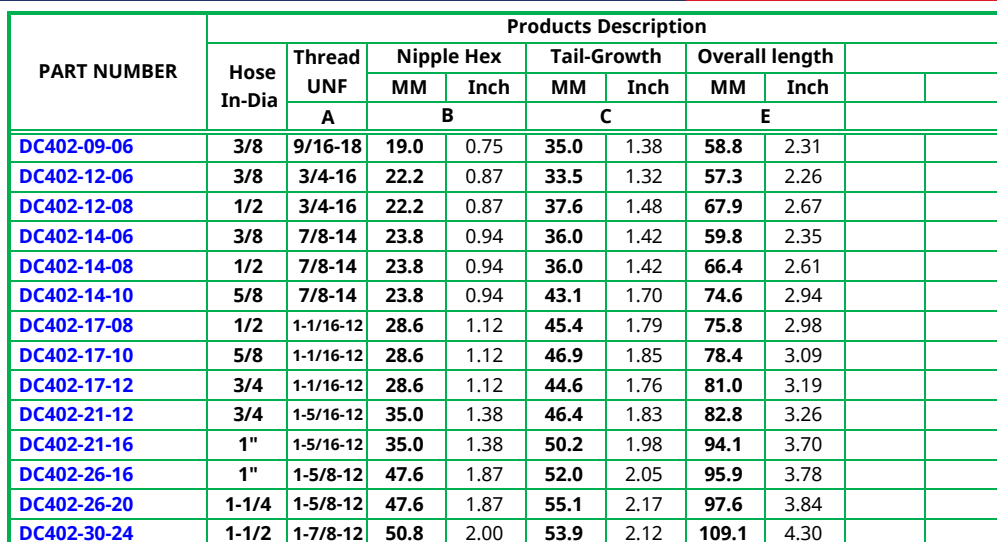
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DC444-08-08	1/2	1/2-20	15.9	0.62	35.8	1.41	10.0	0.39	66.2	2.61
DC444-09-06	3/8	9/16-18	17.5	0.69	34.5	1.36	11.0	0.43	58.3	2.30
DC444-12-06	3/8	3/4-16	22.2	0.87	37.5	1.48	14.0	0.55	61.3	2.41
DC444-12-08	1/2	3/4-16	22.2	0.87	41.4	1.63	15.0	0.59	71.8	2.83
DC444-14-06	3/8	7/8-14	25.4	1.00	41.5	1.63	15.0	0.59	65.3	2.57
DC444-14-08	1/2	7/8-14	25.4	1.00	41.4	1.63	15.0	0.59	71.8	2.83
DC444-14-10	5/8	7/8-14	25.4	1.00	45.5	1.79	16.0	0.63	77.0	3.03
DC444-17-06	3/8	1-1/16-12	31.8	1.25	42.7	1.68	19.2	0.76	66.5	2.62
DC444-17-08	1/2	1-1/16-12	31.8	1.25	48.1	1.89	20.0	0.79	78.4	3.09
DC444-17-10	5/8	1-1/16-12	31.8	1.25	57.0	2.24	21.0	0.83	88.5	3.48
DC444-17-12	3/4	1-1/16-12	31.8	1.25	63.0	2.48	27.0	1.06	99.4	3.91
DC444-21-12	3/4	1-5/16-12	38.1	1.50	58.7	2.31	24.0	0.94	95.1	3.74
DC444-21-16	1"	1-5/16-12	38.1	1.50	77.3	3.04	33.0	1.30	121.2	4.77
DC444-21-16H41	1"	1-5/16-12	41.0	1.61	77.3	3.04	33.0	1.30	121.2	4.77
DC444-26-16	1"	1-5/8-12	50.0	1.97	86.3	3.40	40.0	1.57	130.2	5.13
DC444-26-20	1-1/4	1-5/8-12	50.0	1.97	103.8	4.09	45.0	1.77	146.3	5.76
DC444-30-24	1-1/2	1-7/8-12	55.0	2.17	126.0	4.96	52.0	2.05	181.2	7.13
DC444-40-24	1-1/2	2-1/2-12	73.0	2.87	125.3	4.93	52.0	2.05	180.5	7.11
DC444-40-32	2"	2-1/2-12	73.0	2.87	148.6	5.85	55.7	2.19	206.5	8.13

DC494 SERIES(Female JIC 37 ° Swivel 90 ° Elbow)

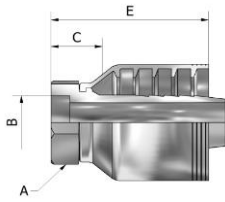
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PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DC494-07-06	3/8	7/16-20	14.3	0.56	30.1	1.19	21.0	0.83	53.9	2.12
DC494-08-06	3/8	1/2-20	15.9	0.62	30.1	1.19	24.0	0.94	53.9	2.12
DC494-09-06	3/8	9/16-18	17.5	0.69	31.1	1.22	23.0	0.91	54.9	2.16
DC494-09-06B	3/8	9/16-18	17.5	0.69	27.1	1.07	23.0	0.91	50.9	2.00
DC494-09-06D30	3/8	9/16-18	17.5	0.69	31.1	1.22	30.0	1.18	54.9	2.16
DC494-09-06D35	3/8	9/16-18	17.5	0.69	31.1	1.22	35.0	1.38	54.9	2.16
DC494-09-06D55	3/8	9/16-18	17.5	0.69	31.1	1.22	55.0	2.17	54.9	2.16
DC494-09-06D75	3/8	9/16-18	17.5	0.69	31.1	1.22	75.0	2.95	54.9	2.16
DC494-12-06	3/8	3/4-16	22.2	0.87	31.1	1.22	28.0	1.10	54.9	2.16
DC494-12-06B	3/8	3/4-16	22.2	0.87	27.1	1.07	24.0	0.94	50.9	2.00
DC494-12-06D62	3/8	3/4-16	22.2	0.87	41.1	1.62	62.0	2.44	64.9	2.56
DC494-12-08	1/2	3/4-16	22.2	0.87	35.2	1.39	31.0	1.22	65.6	2.58
DC494-12-08B	1/2	3/4-16	22.2	0.87	32.8	1.29	28.5	1.12	63.2	2.49
DC494-12-08D62	1/2	3/4-16	22.2	0.87	45.2	1.78	62.0	2.44	75.6	2.98
DC494-12-10	5/8	3/4-16	22.2	0.87	39.7	1.56	31.0	1.22	71.2	2.80
DC494-14-06	3/8	7/8-14	25.4	1.00	34.1	1.34	27.4	1.08	57.9	2.28
DC494-14-06B	3/8	7/8-14	25.4	1.00	32.8	1.29	29.4	1.16	56.6	2.23
DC494-14-08	1/2	7/8-14	25.4	1.00	35.2	1.39	31.0	1.22	65.6	2.58
DC494-14-08B	1/2	7/8-14	25.4	1.00	32.8	1.29	29.4	1.16	63.2	2.49
DC494-14-08D47	1/2	7/8-14	25.4	1.00	35.2	1.39	47.0	1.85	65.6	2.58
DC494-14-08D66	1/2	7/8-14	25.4	1.00	45.2	1.78	66.0	2.60	75.6	2.98
DC494-14-10	5/8	7/8-14	25.4	1.00	40.6	1.60	34.0	1.34	72.1	2.84
DC494-14-10D66	5/8	7/8-14	25.4	1.00	50.6	1.99	66.0	2.60	82.1	3.23
DC494-14-12	3/4	7/8-14	25.4	1.00	53.0	2.09	40.0	1.57	89.4	3.52
DC494-17-08	1/2	1-1/16-12	31.8	1.25	39.2	1.54	46.0	1.81	69.6	2.74
DC494-17-10	5/8	1-1/16-12	31.8	1.25	50.6	1.99	48.0	1.89	82.1	3.23
DC494-17-12	3/4	1-1/16-12	31.8	1.25	52.3	2.06	53.0	2.09	88.7	3.49
DC494-17-12B	3/4	1-1/16-12	31.8	1.25	36.9	1.45	30.0	1.18	73.2	2.88
DC494-17-12D95	3/4	1-1/16-12	31.8	1.25	83.0	3.27	95.0	3.74	119.4	4.70
DC494-21-12	3/4	1-5/16-12	38.1	1.50	52.3	2.06	56.0	2.20	88.7	3.49
DC494-21-16	1"	1-5/16-12	38.1	1.50	66.6	2.62	70.0	2.76	110.5	4.35
DC494-21-16D110	1"	1-5/16-12	38.1	1.50	91.6	3.61	110.0	4.33	135.5	5.33
DC494-21-16H41	1"	1-5/16-12	41.0	1.61	66.6	2.62	70.0	2.76	110.5	4.35
DC494-26-16	1"	1-5/8-12	50.0	1.97	69.0	2.72	78.0	3.07	112.9	4.44
DC494-26-20	1-1/4	1-5/8-12	50.0	1.97	85.2	3.35	85.0	3.35	134.0	5.28
DC494-26-20D134	1-1/4	1-5/8-12	50.0	1.97	105.2	4.14	134.0	5.28	147.7	5.81
DC494-30-24	1-1/2	1-7/8-12	55.0	2.17	105.5	4.15	110.0	4.33	160.7	6.33
DC494-40-32	2"	2-1/2-12	73.0	2.87	139.8	5.50	136.0	5.35	197.7	7.78

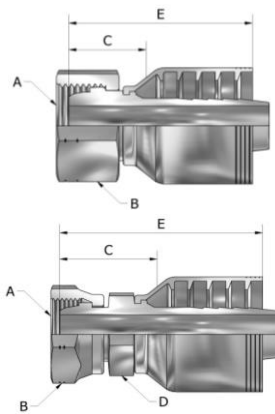


DN40L SERIES(Life Saver)

[LIST](#)


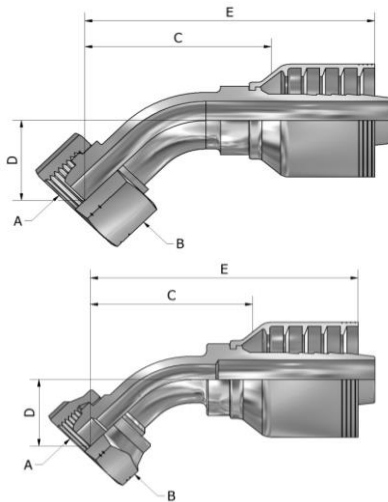
PART NUMBER	Products Description								
	Hose In-Dia	Nipple Hex		In-Dia		Tail-Growth		Overall length	
		MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A		B		C		E	
DN40L-06-06	3/8	17.5	0.69	9.5	0.37	14.5	0.57	38.3	1.51
DN40L-08-08	1/2	20.6	0.81	12.6	0.50	14.5	0.57	44.9	1.77
DN40L-10-10	5/8	23.8	0.94	16.2	0.64	19.2	0.76	50.7	2.00
DN40L-12-12	3/4	27.0	1.06	19.4	0.76	16.9	0.67	53.3	2.10
DN40L-16-16	1"	35.0	1.38	25.7	1.01	22.9	0.90	66.8	2.63
DN40L-20-20	1-1/4	46.0	1.81	31.8	1.25	27.7	1.09	70.2	2.76

DD406 SERIES(Female Metric Swivel - DIN 20078 Straight Ball Nose)

[LIST](#)


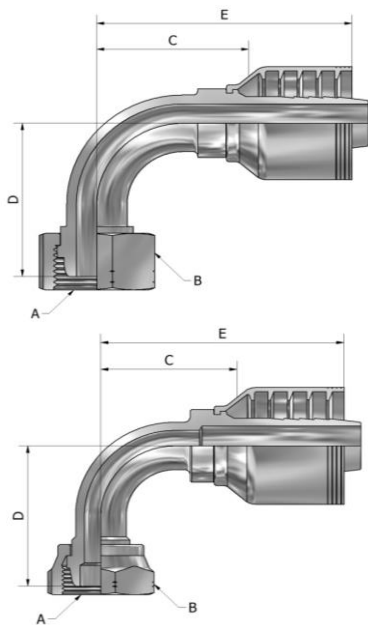
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DD406-16-06B08	3/8	M16*1.5P	19.0	0.75	24.9	0.98	17.0	0.67	53.0	2.09
DD406-16-06B10	3/8	M16*1.5P	19.0	0.75	27.9	1.10	19.0	0.75	56.0	2.20
DD406-18-06B10	3/8	M18*1.5P	22.0	0.87	29.4	1.16	17.0	0.67	57.5	2.26
DD406-18-06B12	3/8	M18*1.5P	22.0	0.87	32.1	1.26	17.0	0.67	58.5	2.30
DD406-18-08B12	1/2	M18*1.5P	22.0	0.87	33.2	1.31	22.0	0.87	63.6	2.50
DD406-20-06B12	3/8	M20*1.5P	24.0	0.94	25.2	0.99			49.0	1.93
DD406-22-06B14	3/8	M22*1.5P	27.0	1.06	25.1	0.99			48.9	1.93
DD406-22-06B15	3/8	M22*1.5P	27.0	1.06	24.6	0.97			48.4	1.91
DD406-22-08B14	1/2	M22*1.5P	27.0	1.06	35.9	1.41	22.0	0.87	66.3	2.61
DD406-22-08B15	1/2	M22*1.5P	27.0	1.06	35.9	1.41	22.0	0.87	66.3	2.61
DD406-24-08B16	1/2	M24*1.5P	30.0	1.18	25.7	1.01			56.1	2.21
DD406-26-08B18	1/2	M26*1.5P	32.0	1.26	24.6	0.97			55.0	2.17
DD406-26-10B18	5/8	M26*1.5P	32.0	1.26	35.1	1.38	24.0	0.94	66.6	2.62
DD406-30-10B20	5/8	M30*2.0P	36.0	1.42	30.6	1.20			62.1	2.44
DD406-30-12B20	3/4	M30*2.0P	36.0	1.42	26.2	1.03			62.6	2.46
DD406-30-12B22	3/4	M30*2.0P	36.0	1.42	25.6	1.01			62.0	2.44
DD406-36-12B25	3/4	M36*2.0P	46.0	1.81	27.2	1.07			63.6	2.50
DD406-36-16B28	1"	M36*2.0P	43.0	1.69	45.7	1.80	35.0	1.38	89.6	3.53
DD406-42-16B30	1"	M42*2.0P	50.0	1.97	30.9	1.22			74.8	2.94
DD406-45-20B35	1-1/4	M45*2.0P	50.0	1.97	52.6	2.07			95.1	3.74

DD446 SERIES(Female Metric swivel - DIN 20078 45° Elbow Ball Nose)

[LIST](#)


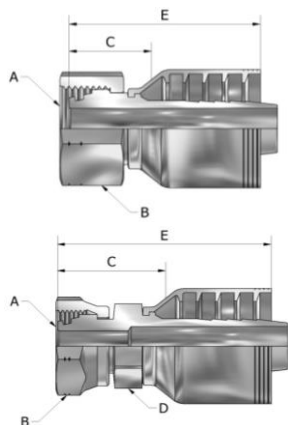
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD446-16-06B08	3/8	M16*1.5P	19.0	0.75	39.9	1.57	16.4	0.65	63.7	2.51
DD446-16-06B10	3/8	M16*1.5P	19.0	0.75	40.5	1.59	17.0	0.67	64.3	2.53
DD446-18-06B10	3/8	M18*1.5P	22.0	0.87	45.5	1.79	22.0	0.87	69.3	2.73
DD446-18-06B12	3/8	M18*1.5P	22.0	0.87	46.6	1.83	18.0	0.71	70.4	2.77
DD446-20-06B12	3/8	M20*1.5P	24.0	0.94	47.5	1.87	19.0	0.75	71.3	2.81
DD446-22-06B14	3/8	M22*1.5P	27.0	1.06	43.5	1.71	20.0	0.79	67.3	2.65
DD446-22-06B15	3/8	M22*1.5P	27.0	1.06	43.5	1.71	20.0	0.79	67.3	2.65
DD446-22-08B15	1/2	M22*1.5P	27.0	1.06	54.0	2.13	20.0	0.79	84.3	3.32
DD446-24-08B16	1/2	M24*1.5P	30.0	1.18	59.3	2.33	24.0	0.94	89.7	3.53
DD446-26-08B18	1/2	M26*1.5P	32.0	1.26	59.3	2.33	24.0	0.94	89.7	3.53
DD446-26-10B18	5/8	M26*1.5P	32.0	1.26	54.6	2.15	24.2	0.95	86.1	3.39
DD446-26-12B18	3/4	M26*1.5P	32.0	1.26	54.9	2.16	24.2	0.95	91.2	3.59
DD446-30-10B20	5/8	M30*2.0P	36.0	1.42	58.5	2.30	28.0	1.10	90.0	3.54
DD446-30-12B20	3/4	M30*2.0P	36.0	1.42	64.3	2.53	29.6	1.17	100.7	3.96
DD446-30-12B22	3/4	M30*2.0P	36.0	1.42	64.3	2.53	29.6	1.17	100.7	3.96
DD446-36-12B25	3/4	M36*2.0P	46.0	1.81	63.3	2.49	30.5	1.20	99.6	3.92
DD446-36-16B28	1"	M36*2.0P	43.0	1.69	77.3	3.04	35.0	1.38	121.2	4.77

DD496 SERIES(Female Metric Swivel - DIN 20078 90° Elbow Ball Nose)

[LIST](#)


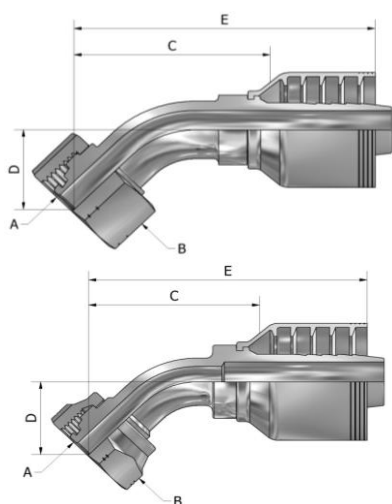
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD496-16-06B08	3/8	M16*1.5P	19.0	0.75	31.1	1.22	34.0	1.34	54.9	2.16
DD496-16-06B10	3/8	M16*1.5P	19.0	0.75	31.1	1.22	34.0	1.34	54.9	2.16
DD496-18-06B10	3/8	M18*1.5P	22.0	0.87	31.1	1.22	36.0	1.42	54.9	2.16
DD496-18-06B12	3/8	M18*1.5P	22.0	0.87	33.3	1.31	32.0	1.26	57.1	2.25
DD496-20-06B12	3/8	M20*1.5P	24.0	0.94	38.1	1.50	37.0	1.46	61.9	2.44
DD496-22-06B14	3/8	M22*1.5P	27.0	1.06	35.1	1.38	37.0	1.46	58.9	2.32
DD496-22-06B15	3/8	M22*1.5P	27.0	1.06	35.1	1.38	37.0	1.46	58.9	2.32
DD496-22-08B15	1/2	M22*1.5P	27.0	1.06	45.1	1.78	40.0	1.57	75.5	2.97
DD496-24-08B16	1/2	M24*1.5P	30.0	1.18	42.5	1.67	45.0	1.77	72.9	2.87
DD496-26-06B18	3/8	M26*1.5P	32.0	1.26	31.1	1.22	45.0	1.77	54.9	2.16
DD496-26-08B18	1/2	M26*1.5P	32.0	1.26	44.1	1.74	42.0	1.65	74.5	2.93
DD496-26-10B18	5/8	M26*1.5P	32.0	1.26	41.6	1.64	45.0	1.77	73.1	2.88
DD496-26-12B18	3/4	M26*1.5P	32.0	1.26	45.3	1.78	50.3	1.98	81.7	3.22
DD496-30-10B20	5/8	M30*2.0P	36.0	1.42	45.9	1.81	48.1	1.89	77.4	3.05
DD496-30-12B20	3/4	M30*2.0P	36.0	1.42	52.3	2.06	56.8	2.24	88.7	3.49
DD496-30-12B22	3/4	M30*2.0P	36.0	1.42	52.3	2.06	56.8	2.24	88.7	3.49
DD496-36-12B25	3/4	M36*2.0P	46.0	1.81	50.3	1.98	60.1	2.37	86.7	3.41
DD496-36-16B28	1"	M36*2.0P	46.0	1.81	64.6	2.54	69.5	2.74	108.5	4.27
DD496-45-20B35	1-1/4	M45*2.0P	50.0	1.97	88.2	3.47	82.9	3.26	130.7	5.15
DD496-52-24B42	1-1/2	M52*2.0P	60.0	2.36	105.0	4.13	101.0	3.98	160.2	6.31

DD406 SERIES(Female Metric Swivel - DIN 20078 Straight O-Ring)

[LIST](#)


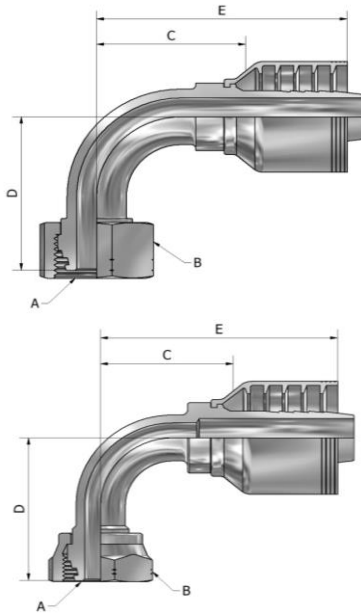
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DD406-16-06O08	3/8	M16*1.5P	19.0	0.75	33.2	1.31	17.0	0.67	57.0	2.24
DD406-16-06O10	3/8	M16*1.5P	19.0	0.75	33.2	1.31	19.0	0.75	58.0	2.28
DD406-18-06O10	3/8	M18*1.5P	22.0	0.87	35.3	1.39	17.0	0.67	59.1	2.33
DD406-18-06O12	3/8	M18*1.5P	22.0	0.87	35.3	1.39	17.0	0.67	59.1	2.33
DD406-20-06O12	3/8	M20*1.5P	24.0	0.94	26.7	1.05		0.00	50.5	1.99
DD406-22-06O14	3/8	M22*1.5P	27.0	1.06	28.2	1.11		0.00	52.0	2.05
DD406-22-06O15	3/8	M22*1.5P	27.0	1.06	28.2	1.11		0.00	52.0	2.05
DD406-22-08O14	1/2	M22*1.5P	27.0	1.06	38.1	1.50	22.0	0.87	68.5	2.70
DD406-22-08O15	1/2	M22*1.5P	27.0	1.06	38.1	1.50	22.0	0.87	68.5	2.70
DD406-24-08O16	1/2	M24*1.5P	30.0	1.18	28.1	1.11		0.00	58.5	2.30
DD406-26-10O18	5/8	M26*1.5P	32.0	1.26	37.6	1.48	24.0	0.94	69.1	2.72
DD406-26-12O18	3/4	M26*1.5P	32.0	1.26	36.3	1.43	27.0	1.06	72.7	2.86
DD406-30-10O20	5/8	M30*1.5P	36.0	1.42	32.2	1.27		0.00	63.7	2.51
DD406-30-10O22	5/8	M30*1.5P	36.0	1.42	29.1	1.15		0.00	60.6	2.39
DD406-30-12O20	3/4	M30*2.0P	36.0	1.42	29.9	1.18		0.00	66.3	2.61
DD406-30-12O22	3/4	M30*1.5P	36.0	1.42	26.8	1.06		0.00	63.2	2.49
DD406-36-10O25	5/8	M36*2.0P	46.0	1.81	33.2	1.31			64.7	2.55
DD406-36-12O25	3/4	M36*2.0P	46.0	1.81	30.9	1.22		0.00	67.3	2.65
DD406-36-16O25	1"	M36*2.0P	46.0	1.81	48.9	1.93		0.00	92.8	3.65
DD406-36-16O28	1"	M36*2.0P	46.0	1.81	48.4	1.91	35.0	1.38	92.3	3.63
DD406-42-16O30	1"	M42*2.0P	50.0	1.97	35.6	1.40		0.00	79.5	3.13
DD406-42-20O30	1-1/4	M42*2.0P	50.0	1.97	54.7	2.15	46.0	1.81	97.2	3.83
DD406-45-20O35	1-1/4	M45*2.0P	50.0	1.97	54.7	2.15	46.0	1.81	97.2	3.83
DD406-52-20O38	1-1/4	M52*2.0P	60.0	2.36	40.1	1.58			82.6	3.25
DD406-52-24O38	1-1/2	M52*2.0P	60.0	2.36	56.1	2.21	50.0	1.97	111.3	4.38
DD406-52-24O42	1-1/2	M52*2.0P	60.0	2.36	56.1	2.21	50.0	1.97	111.3	4.38

DD446 SERIES(Female Metric Swivel - DIN 20078 45° Elbow O-Ring)

[LIST](#)


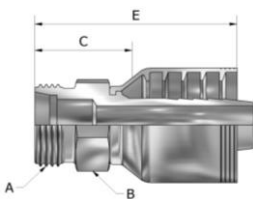
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DD446-16-06O10	3/8	M16*1.5P	19.0	0.75	42.5	1.67	19.0	0.75	66.3	2.61
DD446-18-06O12	3/8	M18*1.5P	22.0	0.87	42.5	1.67	19.0	0.75	66.3	2.61
DD446-20-06O12	3/8	M20*1.5P	24.0	0.94	46.5	1.83	20.0	0.79	70.3	2.77
DD446-22-08O15	1/2	M22*1.5P	27.0	1.06	56.0	2.20	22.0	0.87	86.3	3.40
DD446-24-08O16	1/2	M24*1.5P	30.0	1.18	55.8	2.20	23.5	0.93	86.2	3.39
DD446-26-08O18	1/2	M26*1.5P	32.0	1.26	59.3	2.33	24.0	0.94	89.7	3.53
DD446-26-10O18	5/8	M26*1.5P	32.0	1.26	57.7	2.27	24.2	0.95	89.2	3.51
DD446-26-12O18	3/4	M26*1.5P	32.0	1.26	56.7	2.23	26.0	1.02	93.0	3.66
DD446-30-12O20	3/4	M30*2.0P	36.0	1.42	66.7	2.63	29.0	1.14	103.1	4.06
DD446-30-12O22	3/4	M30*2.0P	36.0	1.42	60.2	2.37	25.5	1.00	96.6	3.80
DD446-36-12O25	3/4	M36*2.0P	46.0	1.81	66.7	2.63	34.0	1.34	103.1	4.06
DD446-36-16O28	1"	M36*2.0P	46.0	1.81	79.2	3.12	36.9	1.45	123.1	4.85
DD446-45-20O35	1-1/4	M45*2.0P	50.0	1.97	109.8	4.32	48.0	1.89	152.3	6.00
DD446-52-20O38	1-1/4	M52*2.0P	60.0	2.36	110.8	4.36	50.0	1.97	153.3	6.04

DD496 SERIES(Female Metric Swivel - DIN 20078 90° Elbow O-Ring)

[LIST](#)


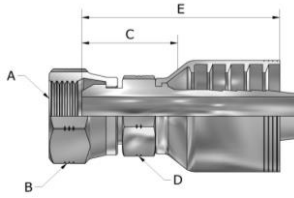
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			B		C		D		E	
DD496-16-06O10	3/8	M16*1.5P	19.0	0.75	31.1	1.22	34.0	1.34	54.9	2.16
DD496-18-06O10	3/8	M18*1.5P	22.0	0.87	31.1	1.22	36.0	1.42	54.9	2.16
DD496-18-06O12	3/8	M18*1.5P	22.0	0.87	31.1	1.22	36.0	1.42	54.9	2.16
DD496-20-06O12	3/8	M20*1.5P	24.0	0.94	35.1	1.38	37.0	1.46	58.9	2.32
DD496-22-06O14	3/8	M22*1.5P	27.0	1.06	38.1	1.50	37.0	1.46	61.9	2.44
DD496-22-06O15	3/8	M22*1.5P	27.0	1.06	38.1	1.50	37.0	1.46	61.9	2.44
DD496-22-08O15	1/2	M22*1.5P	27.0	1.06	45.1	1.78	41.7	1.64	75.5	2.97
DD496-24-08O16	1/2	M24*1.5P	30.0	1.18	46.0	1.81	45.0	1.77	74.5	2.93
DD496-26-10O18	5/8	M26*1.5P	32.0	1.26	50.6	1.99	48.0	1.89	82.1	3.23
DD496-26-12O18	3/4	M26*1.5P	32.0	1.26	45.3	1.78	52.8	2.08	81.7	3.22
DD496-30-10O20	5/8	M30*2.0P	36.0	1.42	52.6	2.07	52.0	2.05	84.1	3.31
DD496-30-10O22	5/8	M30*2.0P	36.0	1.42	56.6	2.23	48.0	1.89	88.1	3.47
DD496-30-12O20	3/4	M30*2.0P	36.0	1.42	52.3	2.06	56.5	2.22	88.7	3.49
DD496-30-12O22	3/4	M30*2.0P	36.0	1.42	52.3	2.06	58.0	2.28	88.7	3.49
DD496-36-10O25	5/8	M36*2.0P	46.0	1.81	56.6	2.23	59.0	2.32	88.1	3.47
DD496-36-12O25	3/4	M36*2.0P	46.0	1.81	50.3	1.98	65.0	2.56	86.7	3.41
DD496-42-16O30	1"	M42*2.0P	50.0	1.97	64.6	2.54	75.0	2.95	108.5	4.27
DD496-45-20O35	1-1/4	M45*2.0P	50.0	1.97	88.2	3.47	85.0	3.35	130.7	5.15
DD496-52-24O42	1-1/2	M52*2.0P	60.0	2.36	105.0	4.13	101.0	3.98	160.2	6.31

DM40C SERIES(Male Metric Stud - DIN 20078)

[LIST](#)


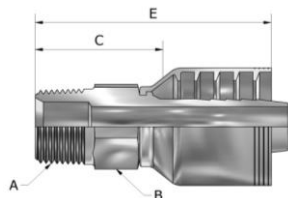
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC A	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			B		C		E			
DM40C-16-06R10	3/8	M16*1.5P	19.0	0.75	27.0	1.06	50.8	2.00		
DM40C-18-06R10	3/8	M18*1.5P	22.0	0.87	28.9	1.14	52.7	2.07		
DM40C-18-06R12	3/8	M18*1.5P	19.0	0.75	27.0	1.06	50.8	2.00		
DM40C-18-08R12	1/2	M18*1.5P	22.0	0.87	28.9	1.14	59.3	2.33		
DM40C-20-06R12	3/8	M20*1.5P	22.0	0.87	30.0	1.18	53.8	2.12		
DM40C-22-06R14	3/8	M22*1.5P	22.0	0.87	31.9	1.26	55.7	2.19		
DM40C-22-06R15	3/8	M22*1.5P	22.0	0.87	29.9	1.18	53.7	2.11		
DM40C-22-08R15	1/2	M22*1.5P	22.0	0.87	29.9	1.18	60.3	2.37		
DM40C-24-08R16	1/2	M24*1.5P	24.0	0.94	31.9	1.26	62.3	2.45		
DM40C-26-08R18	1/2	M26*1.5P	27.0	1.06	32.1	1.26	62.5	2.46		
DM40C-26-10R18	5/8	M26*1.5P	27.0	1.06	33.6	1.32	65.1	2.56		
DM40C-30-10R20	5/8	M30*2.0P	30.0	1.18	37.6	1.48	69.1	2.72		
DM40C-30-12R20	3/4	M30*2.0P	30.0	1.18	33.0	1.30	69.4	2.73		
DM40C-30-12R22	3/4	M30*2.0P	30.0	1.18	33.0	1.30	69.4	2.73		
DM40C-36-12R25	3/4	M36*2.0P	41.0	1.61	37.5	1.48	73.9	2.91		
DM40C-36-16R25	1"	M36*2.0P	41.0	1.61	39.8	1.57	83.7	3.30		
DM40C-36-16R28	1"	M36*2.0P	36.0	1.42	35.4	1.39	79.3	3.12		
DM40C-42-12R30	3/4	M42*2.0P	46.0	1.81	40.6	1.60	77.0	3.03		
DM40C-42-16R30	1"	M42*2.0P	46.0	1.81	42.9	1.69	86.8	3.42		

DP407 SERIES(Female NPSM Swivel 60° Cone)

[LIST](#)


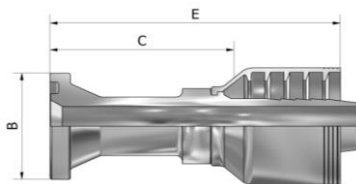
PART NUMBER	Products Description									
	Hose In-Dia	Thread NPSM	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	SAE
		A	B		C		D		E	
DP407-06-06	3/8	3/8-18	22.0	0.87	28.0	1.10	17.5	0.69	51.8	
DP407-06-08	1/2	3/8-18	22.0	0.87	28.5	1.12	23.8	0.94	58.9	
DP407-08-08	1/2	1/2-14	25.4	1.00	29.7	1.17	23.8	0.94	60.1	
DP407-12-10	5/8	3/4-14	31.8	1.25	35.5	1.40	27.0	1.06	67.0	
DP407-12-12	3/4	3/4-14	31.8	1.25	33.2	1.31	27.0	1.06	69.6	
DP407-12-16	1"	3/4-14	31.8	1.25	36.7	1.44	35.0	1.38	80.6	

DP409 SERIES(Male NPTF Pipe - RIGID)

[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Thread NPTF	Nipple Hex		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
			A		B		C		E
DP409-04-06	3/8	1/4-18	19.0	0.75	33.0	1.30	56.8	2.24	
DP409-06-06	3/8	3/8-18	19.0	0.75	35.3	1.39	59.1	2.33	
DP409-06-08	1/2	3/8-18	22.0	0.87	35.2	1.39	65.6	2.58	
DP409-08-06	3/8	1/2-14	22.2	0.87	35.8	1.41	59.6	2.35	
DP409-08-08	1/2	1/2-14	22.0	0.87	41.6	1.64	72.0	2.83	
DP409-08-10	5/8	1/2-14	23.8	0.94	43.1	1.70	74.6	2.94	
DP409-08-12	3/4	1/2-14	27.0	1.06	40.8	1.61	77.2	3.04	
DP409-12-08	1/2	3/4-14	27.0	1.06	37.5	1.48	67.9	2.67	
DP409-12-10	5/8	3/4-14	27.0	1.06	39.0	1.54	70.5	2.78	
DP409-12-12	3/4	3/4-14	27.0	1.06	42.0	1.65	78.4	3.09	
DP409-12-16	1"	3/4-14	35.0	1.38	44.3	1.74	88.2	3.47	
DP409-16-12	3/4	1"-11-1/2	35.0	1.38	42.0	1.65	78.4	3.09	
DP409-16-16	1"	1"-11-1/2	35.0	1.38	49.2	1.94	93.1	3.67	
DP409-20-20	1-1/4	1-1/4-11-1/2	44.5	1.75	61.4	2.42	103.9	4.09	
DP409-24-24	1-1/2	1-1/2-11-1/2	50.8	2.00	55.9	2.20	111.1	4.37	
DP409-32-32	2"	2"-11-1/2	63.5	2.50	62.0	2.44	119.9	4.72	

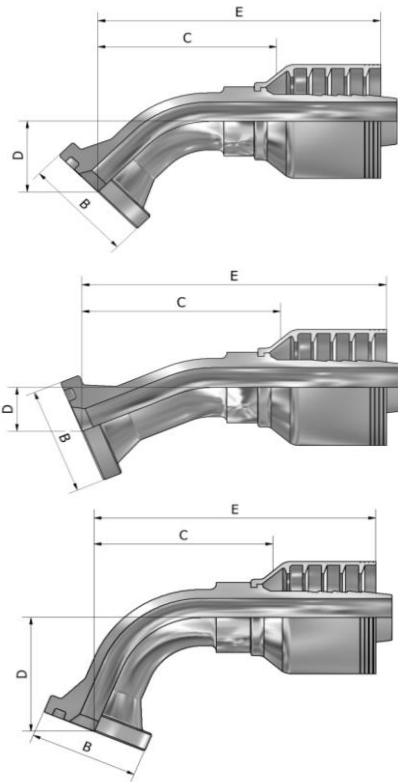
DF40S SERIES(SAE Code 61 Flange Straight)

[LIST](#)


PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
			A		B		C		E
DF40S-08-08	1/2	1/2	30.2	1.19	57.9	2.28	88.3	3.48	
DF40S-10-08	1/2	5/8	34.1	1.34	32.2	1.27	62.6	2.46	
DF40S-10-10	5/8	5/8	34.1	1.34	63.2	2.49	94.7	3.73	
DF40S-10-12	3/4	5/8	34.1	1.34	63.8	2.51	100.2	3.94	
DF40S-12-08	1/2	3/4	38.1	1.50	32.0	1.26	62.4	2.46	
DF40S-12-10	5/8	3/4	38.1	1.50	36.5	1.44	68.0	2.68	
DF40S-12-12	3/4	3/4	38.1	1.50	61.6	2.43	98.0	3.86	
DF40S-16-12	3/4	1"	44.5	1.75	33.2	1.31	69.6	2.74	
DF40S-16-16	1"	1"	44.5	1.75	65.9	2.59	109.8	4.32	
DF40S-16-20	1-1/4	1"	44.5	1.75	69.1	2.72	111.6	4.39	
DF40S-20-12	3/4	1-1/4	50.8	2.00	38.8	1.53	75.2	2.96	
DF40S-20-16	1"	1-1/4	50.8	2.00	39.2	1.54	83.1	3.27	
DF40S-20-20	1-1/4	1-1/4	50.8	2.00	77.2	3.04	119.7	4.71	
DF40S-24-16	1"	1-1/2	60.3	2.37	44.4	1.75	88.3	3.48	
DF40S-24-20	1-1/4	1-1/2	60.3	2.37	39.6	1.56	82.1	3.23	
DF40S-24-24	1-1/2	1-1/2	60.3	2.37	83.6	3.29	138.8	5.46	
DF40S-24-32	2"	1-1/2	60.3	2.37	95.2	3.75	153.1	6.03	
DF40S-32-24	1-1/2	2"	71.4	2.81	46.5	1.83	101.7	4.00	
DF40S-32-32	2"	2"	71.4	2.81	85.8	3.38	143.7	5.66	
DF40S-40-32	2"	2-1/2	84.1	3.31	56.5	2.22	114.4	4.50	

DF44S SERIES(SAE Code 61 Flange 45 °)

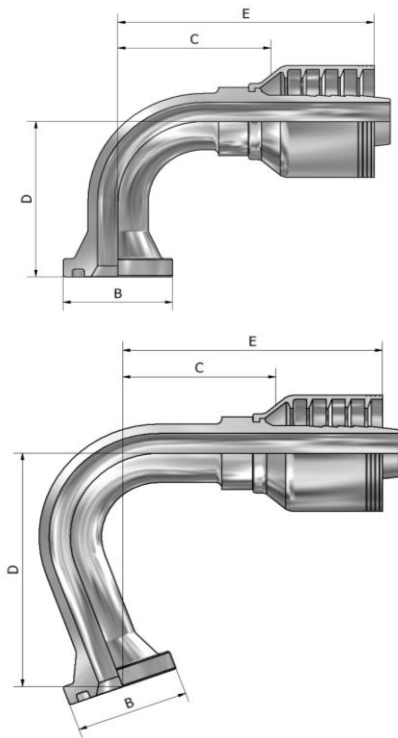
LIST



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF44S-08-08	1/2	1/2	30.2	1.19	51.9	2.04	21.5	0.85	82.3	3.24
DF44S-10-08	1/2	5/8	34.1	1.34	52.1	2.05	21.5	0.85	82.4	3.24
DF44S-10-10	5/8	5/8	34.1	1.34	69.0	2.72	37.1	1.46	100.5	3.96
DF44S-12-08	1/2	3/4	38.1	1.50	52.6	2.07	22.0	0.87	82.9	3.26
DF44S-12-12	3/4	3/4	38.1	1.50	61.4	2.42	26.0	1.02	97.8	3.85
DF44S-12-12A22.5	3/4	3/4	38.1	1.50	67.0	2.64	15.8	0.62	103.3	4.07
DF44S-12-12A30	3/4	3/4	38.1	1.50	65.3	2.57	19.9	0.78	101.6	4.00
DF44S-12-12A60	3/4	3/4	38.1	1.50	64.4	2.54	39.2	1.54	100.7	3.96
DF44S-12-12A67.5	3/4	3/4	38.1	1.50	62.0	2.44	42.4	1.67	98.4	3.87
DF44S-16-12	3/4	1"	44.5	1.75	63.2	2.49	28.0	1.10	99.6	3.92
DF44S-16-12A22.5	3/4	1"	44.5	1.75	71.2	2.80	16.9	0.67	107.5	4.23
DF44S-16-12A30	3/4	1"	44.5	1.75	67.7	2.67	21.3	0.84	104.0	4.09
DF44S-16-12A60	3/4	1"	44.5	1.75	64.4	2.54	42.1	1.66	100.8	3.97
DF44S-16-12A67.5	3/4	1"	44.5	1.75	61.1	2.41	44.1	1.74	97.4	3.83
DF44S-16-16	1"	1"	44.5	1.75	78.1	3.07	32.0	1.26	122.0	4.80
DF44S-16-16A22.5	1"	1"	44.5	1.75	82.3	3.24	19.7	0.78	126.2	4.97
DF44S-16-16A30	1"	1"	44.5	1.75	81.7	3.22	24.8	0.98	125.6	4.94
DF44S-16-16A60	1"	1"	44.5	1.75	72.8	2.87	38.0	1.50	116.6	4.59
DF44S-16-16A67.5	1"	1"	44.5	1.75	79.7	3.14	61.4	2.42	123.6	4.87
DF44S-20-12	3/4	1-1/4	50.8	2.00	65.2	2.57	30.0	1.18	101.6	4.00
DF44S-20-16	1"	1-1/4	50.8	2.00	74.8	2.94	32.0	1.26	118.7	4.67
DF44S-20-16A22.5	1"	1-1/4	50.8	2.00	82.8	3.26	19.6	0.77	125.9	4.96
DF44S-20-16A30	1"	1-1/4	50.8	2.00	80.0	3.15	24.6	0.97	123.8	4.87
DF44S-20-16A60	1"	1-1/4	50.8	2.00	82.9	3.26	58.6	2.31	126.7	4.99
DF44S-20-16A67.5	1"	1-1/4	50.8	2.00	77.9	3.07	61.4	2.42	121.8	4.80
DF44S-20-20	1-1/4	1-1/4	50.8	2.00	99.8	3.93	38.0	1.50	142.3	5.60
DF44S-20-20A22.5	1-1/4	1-1/4	50.8	2.00	99.6	3.92	19.7	0.78	142.1	5.59
DF44S-20-20A30	1-1/4	1-1/4	50.8	2.00	97.7	3.85	24.5	0.96	140.2	5.52
DF44S-20-20A60	1-1/4	1-1/4	50.8	2.00	96.4	3.80	47.2	1.86	138.9	5.47
DF44S-20-20A67.5	1-1/4	1-1/4	50.8	2.00	93.6	3.69	49.0	1.93	136.1	5.36
DF44S-24-20	1-1/4	1-1/2	60.3	2.37	99.8	3.93	38.0	1.50	142.3	5.60
DF44S-24-20A22.5	1-1/4	1-1/2	60.3	2.37	108.2	4.26	23.2	0.91	150.7	5.93
DF44S-24-20A30	1-1/4	1-1/2	60.3	2.37	105.6	4.16	29.1	1.15	148.1	5.83
DF44S-24-20A60	1-1/4	1-1/2	60.3	2.37	96.4	3.80	47.2	1.86	138.9	5.47
DF44S-24-20A67.5	1-1/4	1-1/2	60.3	2.37	93.6	3.69	49.0	1.93	136.1	5.36
DF44S-24-24	1-1/2	1-1/2	60.3	2.37	113.8	4.48	41.0	1.61	169.0	6.65
DF44S-24-24A22.5	1-1/2	1-1/2	60.3	2.37	113.4	4.46	21.7	0.85	168.6	6.64
DF44S-24-24A30	1-1/2	1-1/2	60.3	2.37	111.4	4.39	26.9	1.06	166.6	6.56
DF44S-24-24A60	1-1/2	1-1/2	60.3	2.37	114.6	4.51	56.4	2.22	169.8	6.69
DF44S-24-24A67.5	1-1/2	1-1/2	60.3	2.37	111.2	4.38	59.0	2.32	166.4	6.55
DF44S-32-24	1-1/2	2"	71.4	2.81	122.8	4.83	50.0	1.97	178.0	7.01
DF44S-32-24A22.5	1-1/2	2"	71.4	2.81	135.4	5.33	30.8	1.21	190.5	7.50
DF44S-32-24A30	1-1/2	2"	71.4	2.81	131.9	5.19	38.8	1.53	187.1	7.37
DF44S-32-24A60	1-1/2	2"	71.4	2.81	122.7	4.83	71.0	2.80	177.9	7.00
DF44S-32-24A67.5	1-1/2	2"	71.4	2.81	117.5	4.63	74.1	2.92	172.7	6.80
DF44S-32-32	2"	2"	71.4	2.81	142.6	5.61	49.7	1.96	200.5	7.89
DF44S-32-32A22.5	2"	2"	71.4	2.81	148.6	5.85	30.2	1.19	206.5	8.13
DF44S-32-32A30	2"	2"	71.4	2.81	145.9	5.74	37.3	1.47	203.7	8.02
DF44S-32-32A60	2"	2"	71.4	2.81	150.5	5.93	77.1	3.04	208.3	8.20
DF44S-32-32A67.5	2"	2"	71.4	2.81	146.3	5.76	79.9	3.15	204.2	8.04
DF44S-40-32	2"	2-1/2	84.1	3.31	148.2	5.83	55.3	2.18	206.0	8.11

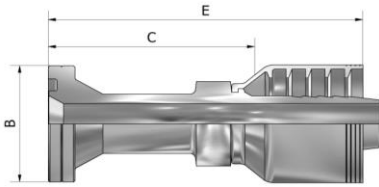
DF49S SERIES(SAE Code 61 Flange 90 °)

LIST



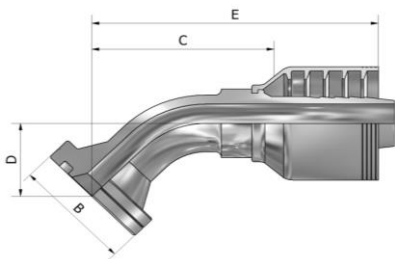
PART NUMBER	Products Description									
	Hose In-Dia	Flange	Flange Dia		Tail-Growth		Drop		Overall length	
		Size	MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF49S-08-08	1/2	1/2	30.2	1.19	48.1	1.89	43.0	1.69	78.5	3.09
DF49S-10-08	1/2	5/8	34.1	1.34	45.2	1.78	50.0	1.97	75.6	2.98
DF49S-10-10	5/8	5/8	34.1	1.34	46.6	1.83	53.0	2.09	78.1	3.07
DF292-12-08	1/2	3/4	38.1	1.50	45.2	1.78	50.0	1.97	75.6	2.98
DF49S-12-10	5/8	3/4	38.1	1.50	46.6	1.83	53.0	2.09	78.1	3.07
DF49S-12-12	3/4	3/4	38.1	1.50	52.8	2.08	58.0	2.28	89.1	3.51
DF49S-12-12A110	3/4	3/4	38.1	1.50	51.1	2.01	84.0	3.31	87.4	3.44
DF49S-12-12D83	3/4	3/4	38.1	1.50	52.8	2.08	83.0	3.27	89.2	3.51
DF49S-12-12D100	3/4	3/4	38.1	1.50	52.8	2.08	100.0	3.94	89.2	3.51
DF49S-12-12D122	3/4	3/4	38.1	1.50	52.8	2.08	122.0	4.80	89.2	3.51
DF49S-16-12	3/4	1"	44.5	1.75	52.8	2.08	58.0	2.28	89.2	3.51
DF49S-16-12A100	3/4	1"	44.5	1.75	59.4	2.34	85.8	3.38	95.8	3.77
DF49S-16-12A110	3/4	1"	44.5	1.75	51.1	2.01	84.0	3.31	87.4	3.44
DF49S-16-12D80	3/4	1"	44.5	1.75	52.8	2.08	80.0	3.15	89.2	3.51
DF49S-16-16	1"	1"	44.5	1.75	65.1	2.56	70.0	2.76	109.0	4.29
DF49S-16-16A110	1"	1"	44.5	1.75	57.2	2.25	94.0	3.70	101.0	3.98
DF49S-16-16D117	1"	1"	44.5	1.75	65.1	2.56	117.0	4.61	109.0	4.29
DF49S-16-16D150	1"	1"	44.5	1.75	65.1	2.56	150.0	5.91	109.0	4.29
DF49S-16-16D90	1"	1"	44.5	1.75	65.1	2.56	90.0	3.54	109.0	4.29
DF49S-16-20	1-1/4	1"	44.5	1.75	70.0	2.76	70.0	2.76	112.5	4.43
DF49S-20-12	3/4	1-1/4	50.8	2.00	52.8	2.08	58.0	2.28	89.2	3.51
DF49S-20-16	1"	1-1/4	50.8	2.00	65.1	2.56	70.0	2.76	109.0	4.29
DF49S-20-16A110	1"	1-1/4	50.8	2.00	61.2	2.41	94.0	3.70	105.0	4.13
DF49S-20-16D100	1"	1-1/4	50.8	2.00	65.1	2.56	100.0	3.94	109.0	4.29
DF49S-20-16D117	1"	1-1/4	50.8	2.00	90.1	3.55	117.0	4.61	134.0	5.28
DF49S-20-20	1-1/4	1-1/4	50.8	2.00	88.2	3.47	82.0	3.23	130.7	5.15
DF49S-20-20A110	1-1/4	1-1/4	50.8	2.00	69.6	2.74	104.0	4.09	112.1	4.41
DF49S-20-20D130	1-1/4	1-1/4	50.8	2.00	108.2	4.26	130.0	5.12	150.7	5.93
DF49S-20-20D140	1-1/4	1-1/4	50.8	2.00	108.2	4.26	140.0	5.51	150.7	5.93
DF49S-20-20D168	1-1/4	1-1/4	50.8	2.00	108.2	4.26	168.0	6.61	150.7	5.93
DF49S-24-16	1"	1-1/2	60.3	2.37	65.1	2.56	75.0	2.95	109.0	4.29
DF49S-24-20	1-1/4	1-1/2	60.3	2.37	88.2	3.47	90.0	3.54	130.7	5.15
DF49S-24-20A110	1-1/4	1-1/2	60.3	2.37	69.6	2.74	104.0	4.09	112.1	4.41
DF49S-24-20D145	1-1/4	1-1/2	60.3	2.37	88.2	3.47	145.0	5.71	130.7	5.15
DF49S-24-24	1-1/2	1-1/2	60.3	2.37	105.0	4.13	104.0	4.09	160.2	6.31
DF49S-24-24D147	1-1/2	1-1/2	60.3	2.37	110.0	4.33	147.0	5.79	165.2	6.50
DF49S-24-24D180	1-1/2	1-1/2	60.3	2.37	110.0	4.33	180.0	7.09	165.2	6.50
DF49S-24-24D83	1-1/2	1-1/2	60.3	2.37	118.9	4.68	83.0	3.27	174.2	6.86
DF49S-24-32D115	2"	1-1/2	60.3	2.37	105.8	4.17	115.0	4.53	163.7	6.44
DF49S-24-32D160	2"	1-1/2	60.3	2.37	105.8	4.17	160.0	6.30	163.7	6.44
DF49S-32-24	1-1/2	2"	71.4	2.81	105.0	4.13	104.0	4.09	160.2	6.31
DF49S-32-24D114	1-1/2	2"	71.4	2.81	105.0	4.13	114.0	4.49	160.2	6.31
DF49S-32-24D172	1-1/2	2"	71.4	2.81	105.0	4.13	172.0	6.77	160.2	6.31
DF49S-32-32	2"	2"	71.4	2.81	139.8	5.50	120.0	4.72	197.7	7.78
DF49S-32-32A110	2"	2"	71.4	2.81	118.0	4.65	154.0	6.06	175.9	6.93
DF49S-32-32D165	2"	2"	71.4	2.81	139.8	5.50	165.0	6.50	197.7	7.78
DF49S-32-32D197	2"	2"	71.4	2.81	139.8	5.50	197.0	7.76	197.7	7.78
DF49S-40-32	2"	2-1/2	84.1	3.31	139.8	5.50	125.0	4.92	197.7	7.78

DF40H SERIES(SAE Code 62 Flange Straight)

[LIST](#)


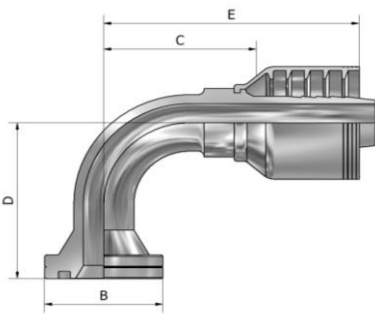
PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length		
			MM	Inch	MM	Inch	MM	Inch	
	A		B		C		E		
DF40H-08-08	1/2	1/2	31.8	1.25	57.9	2.28	88.3	3.48	
DF40H-12-12	3/4	3/4	41.3	1.63	68.2	2.69	104.6	4.12	
DF40H-16-12	3/4	1"	47.6	1.87	42.3	1.67	78.7	3.10	
DF40H-16-16	1"	1"	47.6	1.87	80.2	3.16	124.1	4.89	
DF40H-20-16	1"	1-1/4	54.0	2.13	49.7	1.96	93.6	3.69	
DF40H-20-20	1-1/4	1-1/4	54.0	2.13	85.1	3.35	127.6	5.02	
DF40H-24-24	1-1/2	1-1/2	63.5	2.50	105.8	4.17	161.0	6.34	
DF40H-32-32	2"	2"	79.4	3.13	124.0	4.88	181.9	7.16	

DF44H SERIES(SAE Code 62 Flange 45° Elbow)

[LIST](#)


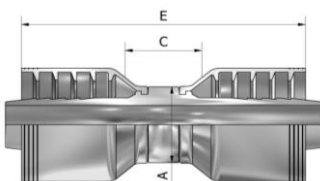
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF44H-08-08	1/2	1/2	31.8	1.25	51.9	2.04	21.5	0.85	82.2	3.24
DF44H-12-12	3/4	3/4	41.3	1.63	62.4	2.46	27.0	1.06	98.8	3.89
DF44H-16-16	1"	1"	47.6	1.87	76.3	3.00	32.0	1.26	120.2	4.73
DF44H-16-16A60	1"	1"	47.6	1.87	81.9	3.22	57.0	2.24	125.8	4.95
DF44H-20-16	1"	1-1/4	54.0	2.13	78.9	3.11	32.0	1.26	122.8	4.83
DF44H-20-20	1-1/4	1-1/4	54.0	2.13	98.5	3.88	38.0	1.50	141.0	5.6
DF44H-24-24	1-1/2	1-1/2	63.5	2.50	115.3	4.54	44.0	1.73	170.5	6.7
DF44H-32-32	2"	2"	79.4	3.13	151.7	5.97	56.0	2.20	209.6	8.25

DF49H SERIES(SAE Code 62 Flange 90° Elbow)

[LIST](#)


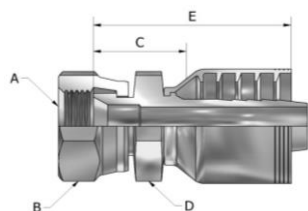
PART NUMBER	Products Description									
	Hose In-Dia	Flange	Flange Dia		Tail-Growth		Drop		Overall length	
		Size	MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF49H-08-08	1/2	1/2	31.8	1.25	45.0	1.77	45.0	1.77	75.4	2.97
DF49H-12-12	3/4	3/4	41.3	1.63	52.8	2.08	58.0	2.28	89.2	3.51
DF49H-16-12	3/4	1"	47.6	1.87	53.0	2.09	58.0	2.28	89.4	3.52
DF49H-16-16	1"	1"	47.6	1.87	69.0	2.72	70.0	2.76	112.9	4.44
DF49H-20-16	1"	1-1/4	54.0	2.13	66.8	2.63	70.0	2.76	110.7	4.36
DF49H-20-20	1-1/4	1-1/4	54.0	2.13	86.9	3.42	82.0	3.23	129.4	5.1
DF49H-24-24	1-1/2	1-1/2	63.5	2.50	103.5	4.07	104.0	4.09	158.7	6.2
DF49H-32-32	2"	2"	79.4	3.13	139.8	5.50	124.0	4.88	197.7	7.78

DN40J SERIES

[LIST](#)


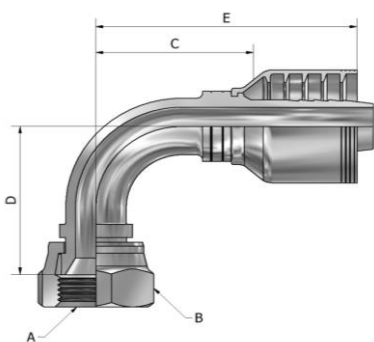
PART NUMBER	Products Description						
	Hose In-Dia	Nipple		Tail-Growth		Overall length	
		MM	Inch	MM	Inch	MM	Inch
	A	B		C		E	
DN40J-06-06	3/8	17.5	0.69	23.2	0.91	70.9	2.79
DN40J-08-08	1/2	21.0	0.83	25.2	0.99	86.0	3.39
DN40J-10-10	5/8	25.0	0.98	29.2	1.15	92.2	3.63
DN40J-12-12	3/4	28.0	1.10	25.6	1.01	98.3	3.87
DN40J-16-16	1"	34.0	1.34	32.2	1.27	119.9	4.72
DN40J-20-20	1-1/4	45.0	1.77	40.4	1.59	125.4	4.94

DS405 SERIES(JIS Female 30 ° Flare Straight)

[LIST](#)


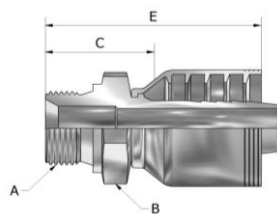
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DS405-06-06	3/8	3/8-19	22.0	0.87	26.9	1.06	22.0	0.87	50.7	2.00
DS405-06-08	1/2	3/8-19	22.0	0.87	26.9	1.06	22.0	0.87	57.3	2.26
DS405-08-08	1/2	1/2-14	27.0	1.06	28.2	1.11	27.0	1.06	58.6	2.31
DS405-12-10	5/8	3/4-14	36.0	1.42	33.7	1.33	36.0	1.42	65.2	2.57
DS405-12-12	3/4	3/4-14	36.0	1.42	31.4	1.24	36.0	1.42	67.8	2.67
DS405-16-16	1"	1"-11	41.0	1.61	35.7	1.41	41.0	1.61	79.6	3.13
DS405-20-20	1-1/4	1-1/4-11	50.0	1.97	43.7	1.72	50.0	1.97	86.2	3.39
DS405-24-24	1-1/2	1-1/2-11	55.0	2.17	49.7	1.96	60.0	2.36	104.9	4.13
DS405-32-32	2"	2"-11	70.0	2.76	54.4	2.14	70.0	2.76	112.3	4.42

DS495 SERIES(Female JIS / BSP Parallel Pipe Swivel(30 ° Flare))

[LIST](#)


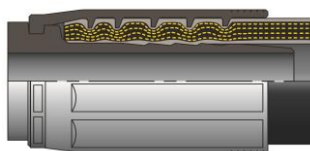
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DS495-06-06	3/8	3/8-19	22.0	0.87	34.0	1.34	27.0	1.06	57.8	2.28
DS495-08-06	3/8	1/2-14	27.0	1.06	33.1	1.30	37.0	1.46	56.9	2.24
DS495-08-08	1/2	1/2-14	27.0	1.06	42.3	1.67	31.0	1.22	72.7	2.86

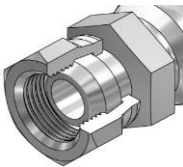
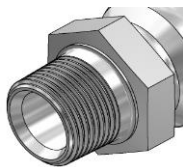
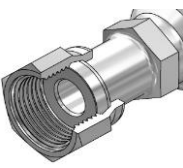
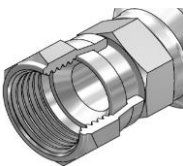
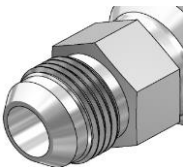
DP40A SERIES(Male BSP Parallel Pipe 60 ° Cone)

[LIST](#)


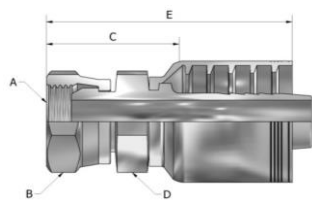
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
			A		B		C		E	
DP40A-06-06	3/8	3/8-19	22.0	0.87	32.5	1.28	56.3	2.22		
DP40A-08-06	3/8	1/2-14	27.0	1.06	35.0	1.38	58.8	2.31		
DP40A-08-08	1/2	1/2-14	27.0	1.06	34.9	1.37	65.3	2.57		
DP40A-08-12	3/4	1/2-14	27.0	1.06	34.1	1.34	70.5	2.78		
DP40A-12-12	3/4	3/4-14	36.0	1.42	36.3	1.43	72.7	2.86		
DP40A-12-16	1"	3/4-14	36.0	1.42	38.6	1.52	82.5	3.25		
DP40A-16-12	3/4	1"-11	41.0	1.61	40.3	1.59	76.7	3.02		
DP40A-16-16	1"	1"-11	41.0	1.61	42.6	1.68	86.5	3.41		

DH-5 SERIES



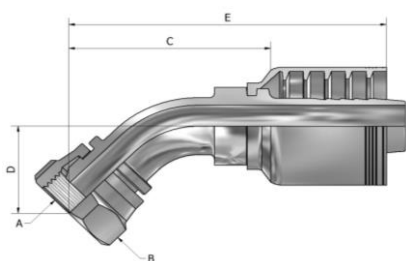
Applicable hose			SAE	ISO	EN				
				3862-1-4SH	856-4SH				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP5X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP505	DP545	DP595	
2	DP501		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DP501	X	X	
3	DE5X3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DE503	DE543	DE593	
4	DC5X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC504	DC544	DC594	
5	DC5X2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DC502	X	X	
6	DF5XS		P:SAE Code 61 FlangeHead M:Straight SAE Flange 3000psi Code 61 E:SAE Code 61 Split Flange(FL)	SAE J 516 SAE J 518 ISO 12151-3		DF50S	DF54S	DF59S	
7	DF5XH		P:SAE Code 62 FlangeHead M:Straight SAE Flange 6000psi Code 62 E:SAE Code 62 Split Flange(FH)	SAE J 516 SAE J 518 ISO 12151-3		DF50H	DF54H	DF59H	

DP505 SERIES(BSP Female Straight)

[LIST](#)


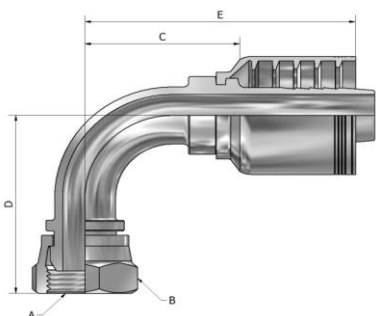
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DP505-16-16	1"	1"-11	41.0	1.61	57.0	2.24	41.0	1.61	103.8	4.09
DP505-20-20	1-1/4	1-1/4-11	50.0	1.97	68.5	2.70	50.0	1.97	126.9	5.00
DP505-24-24	1-1/2	1-1/2-11	55.0	2.17	76.2	3.00	60.0	2.36	132.7	5.22

DP545 SERIES(BSP Female 45 ° Elbow)

[LIST](#)


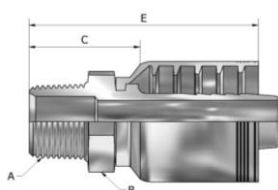
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DP545-16-16	1"	1"-11	41.0	1.61	91.1	3.59	40.4	1.59	137.9	5.43
DP545-20-20	1-1/4	1-1/4-11	50.0	1.97	121.4	4.78	55.5	2.19	179.8	7.08
DP545-24-24	1-1/2	1-1/2-11	55.0	2.17	127.4	5.02	60.1	2.37	183.9	7.24

DP595 SERIES(BSP Female 90 ° Elbow)

[LIST](#)


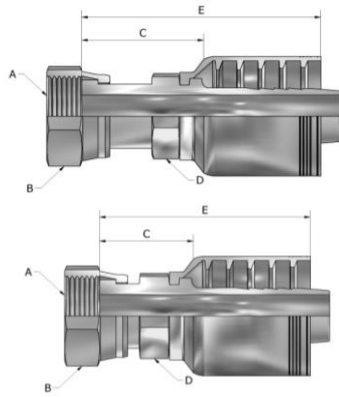
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DP595-16-16	1"	1"-11	41.0	1.61	70.1	2.76	82.5	3.25	117.5	4.63
DP595-20-20	1-1/4	1-1/4-11	50.0	1.97	91.7	3.61	101.9	4.01	150.7	5.93
DP595-24-24	1-1/2	1-1/2-11	55.0	2.17	106.0	4.17	120.0	4.72	163.1	6.42

DP501 SERIES(BSP Male Straight)

[LIST](#)


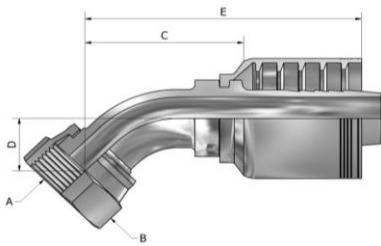
PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DP501-16-16	1"	1"-11	41.0	1.61	49.9	1.96	97.3	3.83		
DP501-20-20	1-1/4	1-1/4-11	50.0	1.97	58.6	2.31	117.6	4.63		
DP501-24-24	1-1/2	1-1/2-11	60.0	2.36	57.5	2.26	114.6	4.51		

DE503 SERIES(Female Seal Lok O-Ring Face Seal Straight)

[LIST](#)


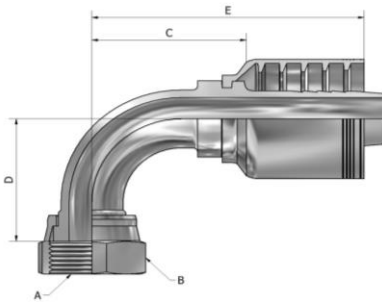
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE503-23-16	1"	1-7/16-12	41.0	1.61	55.1	2.17	35.0	1.38	102.5	4.04
DE503-23-16S	1"	1-7/16-12	41.0	1.61	43.1	1.70	35.0	1.38	90.5	3.56
DE503-27-20	1-1/4	1-11/16-12	50.0	1.97	58.1	2.29	46.0	1.81	117.1	4.61
DE503-27-20S	1-1/4	1-11/16-12	50.0	1.97	46.6	1.83	46.0	1.81	105.6	4.16
DE503-32-24	1-1/2	2"-12	60.0	2.36	67.8	2.67	50.8	2.00	124.9	4.92
DE503-32-24S	1-1/2	2"-12	60.0	2.36	45.2	1.78	50.8	2.00	102.3	4.03

DE543 SERIES(Female Seal Lok O-Ring Face Seal 45° Elbow)

[LIST](#)


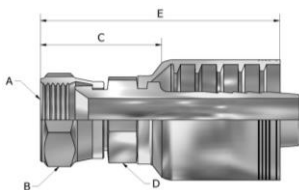
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE543-23-16	1"	1-7/16-12	41.0	1.61	70.3	2.77	24.0	0.94	117.7	4.63
DE543-27-20	1-1/4	1-11/16-12	50.0	1.97	106.6	4.20	42.0	1.65	165.6	6.52
DE543-32-24	1-1/2	2"-12	60.0	2.36	121.8	4.80	48.0	1.89	178.9	7.04

DE593 SERIES(Female Seal Lok O-Ring Face Seal 90° Elbow)

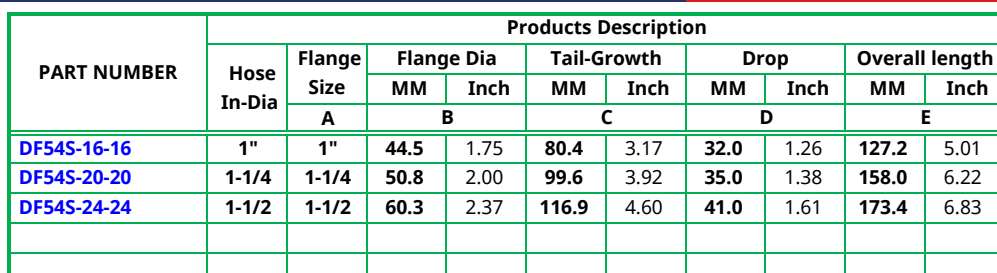
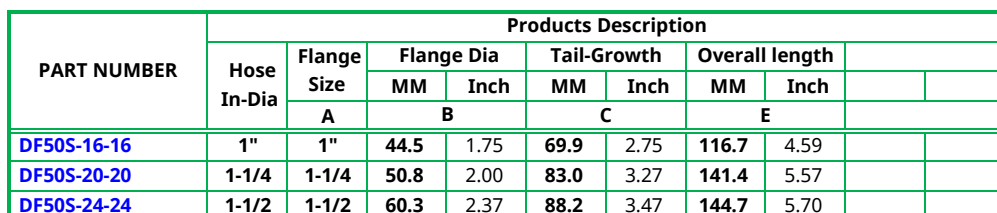
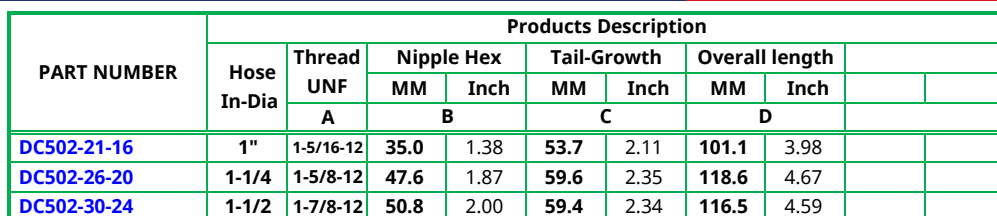
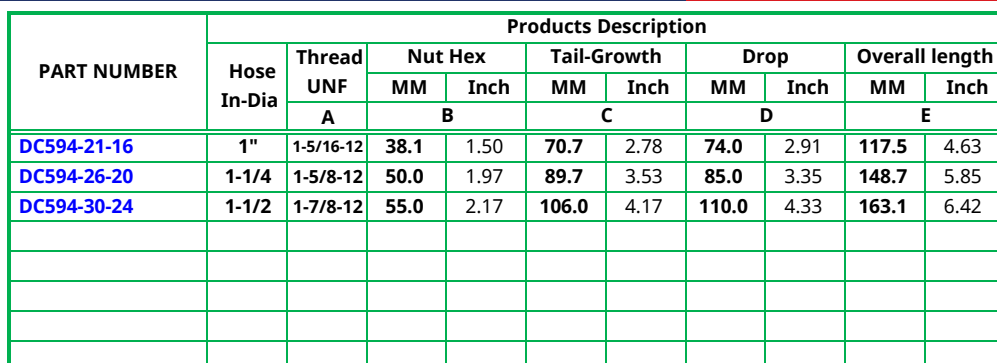
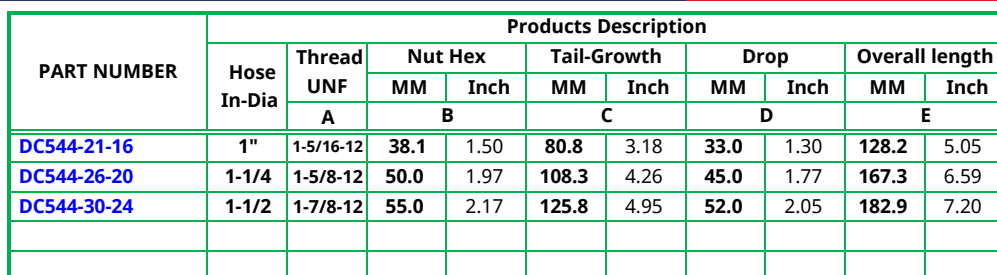
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DE593-23-16	1"	1-7/16-12	41.0	1.61	68.6	2.70	56.0	2.20	116.0	4.57
DE593-27-20	1-1/4	1-11/16-12	50	1.97	90.7	3.57	82.0	3.23	149.7	5.89
DE593-32-24	1-1/2	2"-12	60.0	2.36	106.0	4.17	101.0	3.98	163.1	6.42

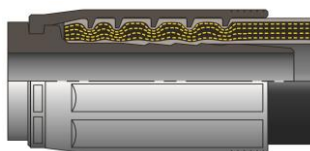
DC504 SERIES(Female JIC 37° Swivel Straight)

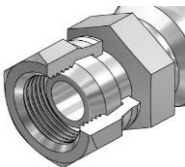
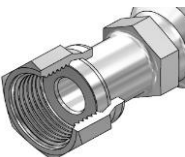
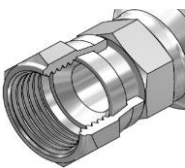
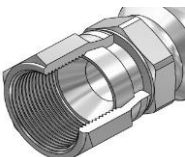
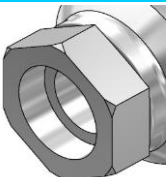
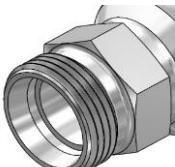
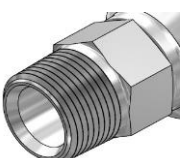
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DC504-21-16	1"	1-5/16-12	38.0	1.50	55.0	2.17	35.0	1.38	101.8	
DC504-26-20	1-1/4	1-5/8-12	50.0	1.97	66.5	2.62	46.0	1.81	125.5	
DC504-30-24	1-1/2	1-7/8-12	55.0	2.17	69.5	2.74	54.0	2.13	126.0	

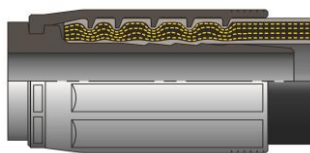


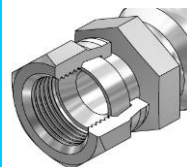
DH-6 SERIES

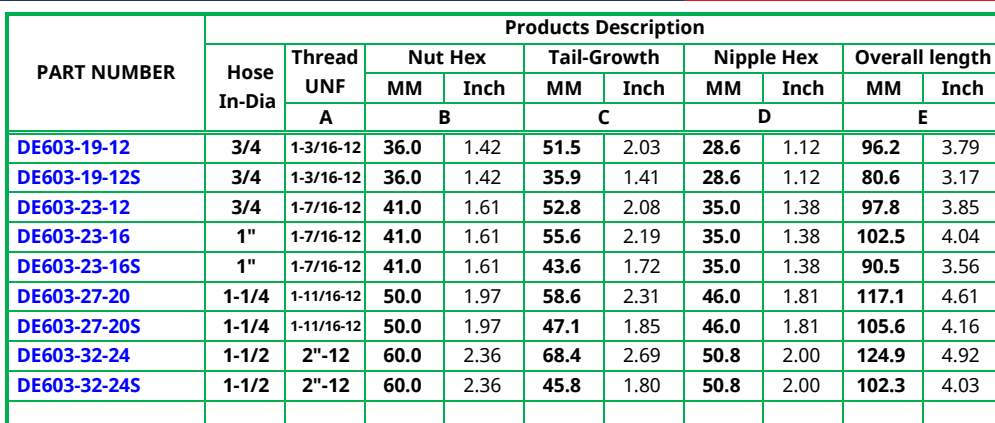
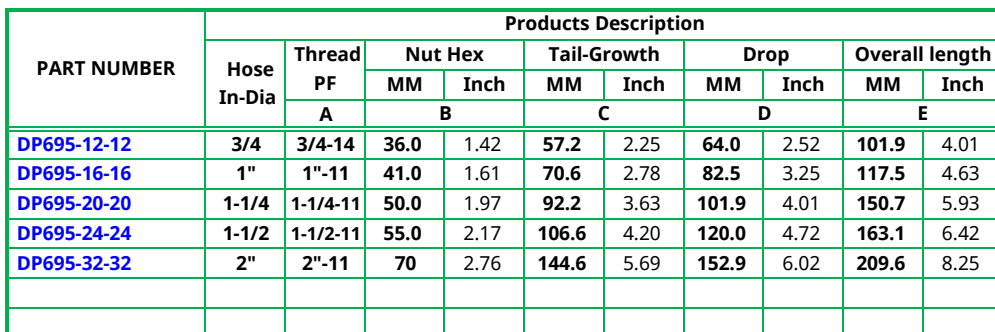
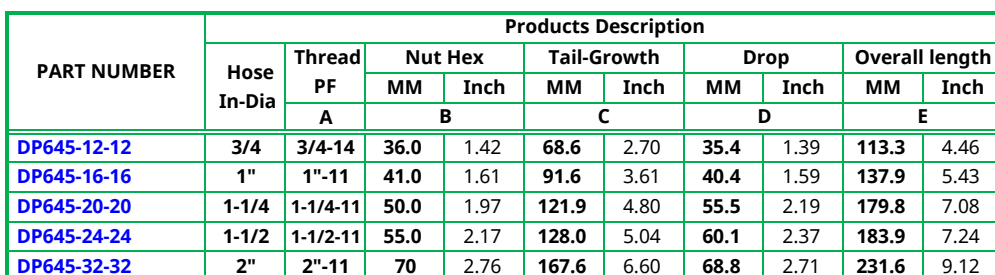
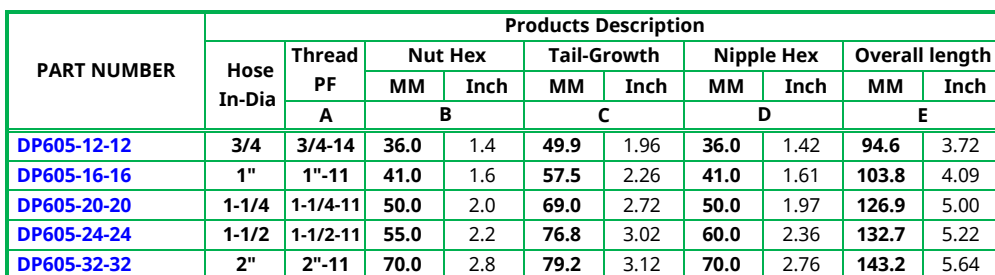


Applicable hose			SAE	ISO	EN				
			100R13	3862-1 R13	856 R13				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP6X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP605	DP645	DP695	
2	DE6X3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DE603	DE643	DE693	
3	DC6X6		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC604	DC644	DC694	
4	DS6X6		P:Female Metric Swivel 30° Flare M:JIS Metric Female 60° Cone Seat(KOMATSU) E:Komatsu Female Swivel(KF)	JIS B 8363	METRIC	DS606	X	X	
5	DN6XL		Life Saver M:Bracing Tail			DN60L	X	X	
6	DM6XC		P:Male Metric Rigid 24° Cone M:Metric Male 24° Cone Seat E:24° Male	DIN20066/3861 ISO 12151-2	MERTIC	DM60C	X	X	
7	DP6X9		P:Male NPTF Pipe Rigid M:NPTF Male 30° Cone Seat E:Male Pipe(MP)	SAE J 516	NPTF	DP609	X	X	
8	DF6XS		P:SAE Code 61 FlangeHead M:Straight SAE Flange 3000psi Code 61 E:SAE Code 61 Split Flange(FL)	SAE J 516 SAE J 518 ISO 12151-3		DF60S	DF64S	DF69S	

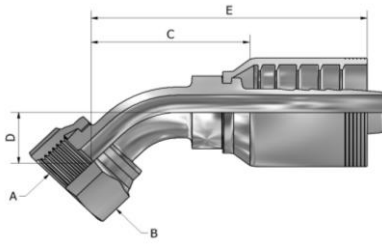
DH-6 SERIES



Applicable hose			SAE	ISO	EN				
			100R13	3862-1 R13	856 R13				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
9	DF6XH		P:SAE Code 62 FlangeHead M:Straight SAE Flange 6000psi Code 62 E:SAE Code 62 Split Flange(FH)	SAE J 516 SAE J 518 ISO 12151-3		DF60H	DF64H	DF69H	
10	DS6X5		P:Female JIS/BSP Parallel Pipe Swivel(30° Flare) M:JIS BSP Female 60° Cone Seat E:JIS Female Swivel(JF)	JIS B 8363	PF	DS605	X	X	
11	DF6XC		P:Caterpillar Flange Head M:Straight SuperCAT Flange E:CAT Flange			DF60C	DF64C	DF69C	

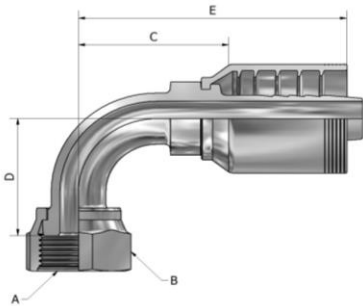


DE643 SERIES(Female Seal Lok O-Ring Face Seal 45 ° Elbow)

[LIST](#)


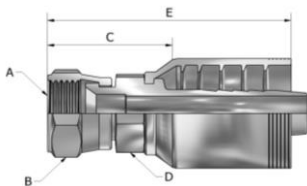
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DE643-19-12	3/4	1-3/16-12	36.0	1.42	61.8	2.43	21.1	0.83	106.5	4.19
DE643-23-12	3/4	1-7/16-12	41.0	1.61	64.8	2.55	26.5	1.04	109.8	4.32
DE643-23-16	1"	1-7/16-12	41.0	1.61	70.8	2.79	24.0	0.94	117.7	4.63
DE643-23-20	1-1/4	1-7/16-12	41.0	1.61	77.6	3.06	24.5	0.96	136.1	5.36
DE643-27-20	1-1/4	1-11/16-12	50.0	1.97	107.1	4.22	42.0	1.65	165.6	6.52
DE643-32-24	1-1/2	2"-12	60.0	2.36	122.4	4.82	48.0	1.89	178.9	7.04

DE693 SERIES(Female Seal Lok O-Ring Face Seal 90 ° Elbow)

[LIST](#)


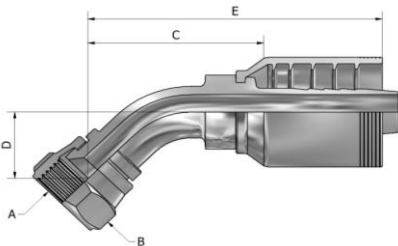
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C		D		E		
DE693-19-12	3/4	1-3/16-12	36.0	1.42	58.3	2.30	48.0	1.89	103.0	4.06
DE693-19-12D96	3/4	1-3/16-12	36.0	1.42	58.0	2.28	96.0	3.78	103.0	4.06
DE693-23-12	3/4	1-7/16-12	41.0	1.61	58.0	2.28	56.0	2.20	103.0	4.06
DE693-23-12D114	3/4	1-7/16-12	41.0	1.61	58.0	2.28	114.0	4.49	103.0	4.06
DE693-23-16	1"	1-7/16-12	41.0	1.61	69.1	2.72	56.0	2.20	116.0	4.57
DE693-23-16D114	1"	1-7/16-12	41.0	1.61	68.3	2.69	114.0	4.49	116.0	4.57
DE693-27-20	1-1/4	1-11/16-12	50	1.97	91.2	3.59	82.0	3.23	149.7	5.89
DE693-32-24	1-1/2	2"-12	60.0	2.36	106.6	4.20	101.0	3.98	163.1	6.42

DC604 SERIES(Female JIC 37 ° Swivel Straight)

[LIST](#)


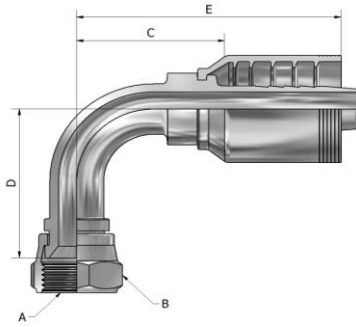
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C		D		E		
DC604-17-12	3/4	1-1/16-12	31.8	1.25	48.3	1.90	28.6	1.12	93.0	3.66
DC604-21-12	3/4	1-5/16-12	38.0	1.50	50.5	1.99	31.8	1.25	95.5	3.76
DC604-21-16	1"	1-5/16-12	38.0	1.50	55.5	2.19	35.0	1.38	101.8	4.01
DC604-26-16	1"	1-5/8-12	50.0	1.97	59.2	2.33	41.3	1.62	106.1	4.18
DC604-26-20	1-1/4	1-5/8-12	50.0	1.97	67.0	2.64	47.6	1.87	125.5	4.94
DC604-30-24	1-1/2	1-7/8-12	55.0	2.17	70.1	2.76	54.0	2.13	126.0	4.96
DC604-40-32	2"	2-1/2-12	73.0	2.87	85.6	3.37	63.5	2.50	149.6	5.89

DC644 SERIES(Female JIC 37 ° Swivel 45 ° Elbow)

[LIST](#)


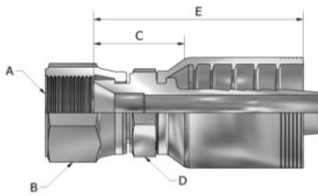
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C		D		E		
DC644-17-12	3/4	1-1/16-12	31.8	1.25	67.7	2.67	27.0	1.06	112.4	4.43
DC644-21-16	1"	1-5/16-12	38.1	1.50	81.3	3.20	33.0	1.30	128.2	5.05
DC644-26-20	1-1/4	1-5/8-12	50.0	1.97	108.8	4.28	45.0	1.77	167.3	6.59
DC644-30-24	1-1/2	1-7/8-12	55.0	2.17	126.4	4.98	52.0	2.05	182.9	7.20
DC644-40-32	2"	2-1/2-12	73.0	2.87	153.4	6.04	55.7	2.19	218.4	8.60

DC694 SERIES(Female JIC 37 ° Swivel 90 ° Elbow)

[LIST](#)


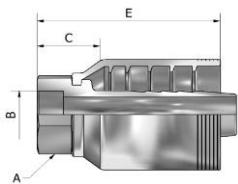
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DC694-17-12	3/4	1-1/16-12	31.8	1.25	58.3	2.30	62.0	2.44	103.0	4.06
DC694-21-16	1"	1-5/16-12	38.1	1.50	71.2	2.80	74.0	2.91	117.5	4.63
DC694-26-16	1"	1-5/8-12	50.0	1.97	72.6	2.86	78.0	3.07	119.5	4.70
DC694-26-20	1-1/4	1-5/8-12	50.0	1.97	90.2	3.55	85.0	3.35	148.7	5.85
DC694-30-24	1-1/2	1-7/8-12	55.0	2.17	106.6	4.20	110.0	4.33	163.1	6.42
DC694-40-32	2"	2-1/2-12	73.0	2.87	144.6	5.69	136.0	5.35	209.6	8.25

DS606 SERIES(Female Metric Swivel - 30 ° Flare Straight)

[LIST](#)


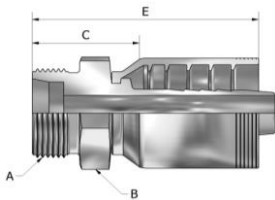
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DS606-30-12	3/4	M30*1.5P	36.0	1.42	35.0	1.38	30.0	1.18	80.0	3.15
DS606-33-16	1"	M33*1.5P	41.0	1.61	41.0	1.61	36.0	1.42	88.7	3.49

DN60L SERIES(Life Saver)

[LIST](#)


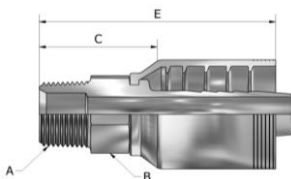
PART NUMBER	Products Description									
	Hose In-Dia	Nipple Hex		In-Dia		Tail-Growth		Overall Length		
		MM	Inch	MM	Inch	MM	Inch	MM	Inch	
		A		B		C		E		
DN60L-12-12	3/4	27.0	1.06	19.3	0.76	24.1	0.95	69.1	2.72	
DN60L-16-16	1"	35.0	1.38	25.7	1.01	26.9	1.06	73.8	2.91	
DN60L-20-20	1-1/4	46.0	1.81	35.5	1.40	32.7	1.29	91.2	3.59	
DN60L-24-24	1-1/2	50.0	1.97	42.5	1.67	32.6	1.28	89.1	3.51	
DN60L-32-32	2"	63.5	2.50	54.3	2.14	41.6	1.64	106.6	4.20	

DM60C SERIES(Male Metric Stud - DIN 20078)

[LIST](#)


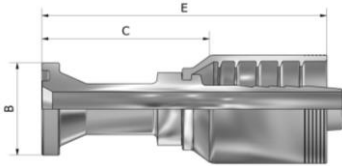
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DM60C-36-12R25	3/4	M36*2.0P	41.0	1.61	41.1	1.62	86.1	3.39		
DM60C-42-16R30	1"	M42*2.0P	46.0	1.81	46.9	1.85	93.8	3.69		
DM60C-52-20R38	1-1/4	M52*2.0P	55.0	2.17	53.7	2.11	112.2	4.42		

DP609 SERIES(Male NPTF Pipe - RIGID)

[LIST](#)


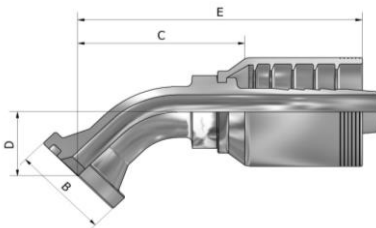
PART NUMBER	Products Description									
	Hose In-Dia	Thread NPTF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DP609-12-12	3/4	3/4-14	28.6	1.12	45.6	1.80	90.6	3.57		
DP609-16-16	1"	1"-11-1/2	35.0	1.38	53.4	2.10	100.3	3.95		
DP609-20-20	1-1/4	1-1/4-11-1/2	46.0	1.81	66.4	2.61	124.9	4.92		
DP609-24-24	1-1/2	1-1/2-11-1/2	50.8	2.00	59.0	2.32	115.5	4.55		
DP609-32-32	2"	2"-11-1/2	63.5	2.50	66.8	2.63	131.8	5.19		

DF60S SERIES(SAE Code 61 Flange Straight)

[LIST](#)


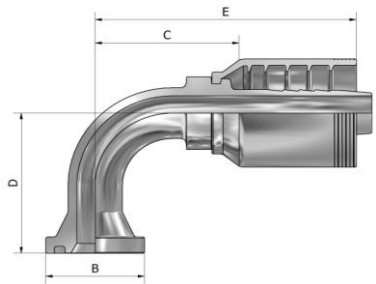
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF60S-12-12	3/4	3/4	38.1	1.50	65.5	2.58	110.2	4.34		
DF60S-12-16	1"	3/4	38.1	1.50	70.0	2.76	116.9	4.60		
DF60S-16-12	3/4	1"	44.5	1.75	54.2	2.13	98.9	3.89		
DF60S-16-16	1"	1"	44.5	1.75	70.4	2.77	116.7	4.59		
DF60S-16-20	1-1/4	1"	44.5	1.75	74.3	2.93	132.8	5.23		
DF60S-20-16	1"	1-1/4	50.8	2.00	43.1	1.70	89.4	3.52		
DF60S-20-20	1-1/4	1-1/4	50.8	2.00	83.5	3.29	141.4	5.57		
DF60S-24-24	1-1/2	1-1/2	60.3	2.37	88.8	3.50	144.7	5.70		
DF60S-32-32	2"	2"	71.2	2.80	91.5	3.60	155.5	6.12		

DF64S SERIES(SAE Code 61 Flange 45 °)

[LIST](#)


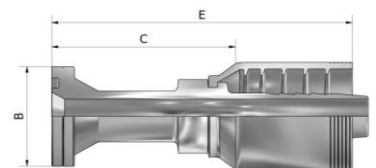
PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length
			MM	Inch	MM	Inch	MM	Inch	
		A	B		C		D		E
DF64S-12-12	3/4	3/4	38.1	1.50	65.1	2.56	26.4	1.04	109.8
DF64S-16-16	1"	1"	44.5	1.75	80.9	3.19	32.0	1.26	127.2
DF64S-20-20	1-1/4	1-1/4	50.8	2.00	100.1	3.94	35.0	1.38	158.0
DF64S-24-24	1-1/2	1-1/2	60.3	2.37	117.5	4.63	41.0	1.61	173.4
DF64S-32-32	2"	2"	71.4	2.81	148.7	5.85	50.0	1.97	212.7

DF69S SERIES(SAE Code 61 Flange 90 °)

[LIST](#)


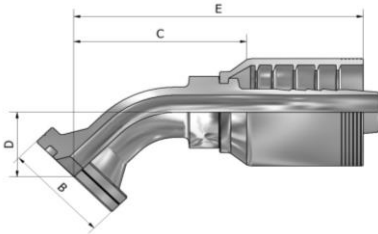
PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length
			MM	Inch	MM	Inch	MM	Inch	
		A	B		C		D		E
DF69S-12-12	3/4	3/4	38.1	1.50	56.3	2.22	58.0	2.28	101.0
DF69S-12-12D83	3/4	3/4	38.1	1.50	56.0	2.20	83.0	3.27	101.0
DF69S-16-12	3/4	1"	44.5	1.75	57.2	2.25	58.0	2.28	101.9
DF69S-16-12D77	3/4	1"	44.5	1.75	57.2	2.25	77.0	3.03	101.9
DF69S-16-16	1"	1"	44.5	1.75	71.2	2.80	70.0	2.76	117.5
DF69S-16-16D117	1"	1"	44.5	1.75	71.2	2.80	117.0	4.61	117.5
DF69S-20-20	1-1/4	1-1/4	50.8	2.00	91.5	3.60	82.0	3.23	149.4
DF69S-24-24	1-1/2	1-1/2	60.3	2.37	108.7	4.28	104.0	4.09	164.6
DF69S-32-32	2"	2"	71.4	2.81	145.6	5.73	120.0	4.72	209.6

DF60H SERIES(SAE Code 62 Flange Straight)

[LIST](#)


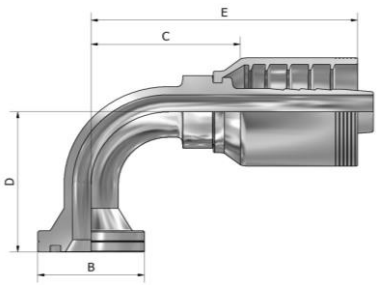
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF60H-12-12	3/4	3/4	41.3	1.63	72.1	2.84	116.8	4.60		
DF60H-16-16	1"	1"	47.6	1.87	84.9	3.34	131.2	5.17		
DF60H-20-20	1-1/4	1-1/4	54.0	2.13	90.6	3.57	148.5	5.85		
DF60H-24-24	1-1/2	1-1/2	63.5	2.50	109.6	4.31	165.5	6.52		
DF60H-24-32	2"	1-1/2	63.5	2.50	114.0	4.49	178.0	7.01		
DF60H-32-24	1-1/2	2"	79.4	3.13	79.0	3.11	134.9	5.31		
DF60H-32-32	2"	2"	79.4	3.13	129.8	5.11	193.8	7.63		

DF64H SERIES(SAE Code 62 Flange 45° Elbow)

[LIST](#)


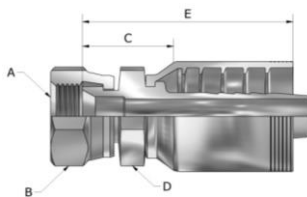
PART NUMBER	Products Description									
	Hose In-Dia	Flange	Flange Dia		Tail-Growth		Drop		Overall Length	
		Size	MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF64H-12-12	3/4	3/4	41.3	1.63	67.7	2.67	27.0	1.06	112.5	4.43
DF64H-16-12	3/4	1"	47.6	1.87	68.7	2.70	28.0	1.10	113.4	4.46
DF64H-16-16	1"	1"	47.6	1.87	80.9	3.19	32.0	1.26	127.2	5.01
DF64H-20-20	1-1/4	1-1/4	54.0	2.13	104.3	4.11	38.0	1.50	162.2	6.39
DF64H-24-20	1-1/4	1-1/2	63.5	2.50	106.1	4.18	38.0	1.50	164.6	6.48
DF64H-24-24	1-1/2	1-1/2	63.5	2.50	119.0	4.69	44.0	1.73	174.9	6.89
DF64H-32-32	2"	2"	79.4	3.13	157.5	6.20	56.0	2.20	221.5	8.72

DF69H SERIES(SAE Code 62 Flange 90° Elbow)

[LIST](#)


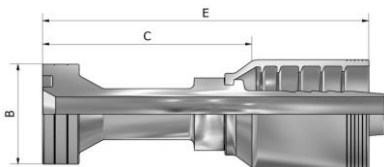
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DF69H-12-12	3/4	3/4	41.3	1.63	58.4	2.30	58.0	2.28	103.1	4.06
DF69H-12-12D77	3/4	3/4	41.3	1.63	58.4	2.30	77.0	3.03	103.1	4.06
DF69H-16-12	3/4	1"	47.6	1.87	56.8	2.24	58.0	2.28	101.5	4.00
DF69H-16-16	1"	1"	47.6	1.87	71.2	2.80	70.0	2.76	117.5	4.63
DF69H-16-16D117	1"	1"	47.6	1.87	71.2	2.80	117.0	4.61	117.5	4.63
DF69H-20-16	1"	1-1/4	54.0	2.13	71.2	2.80	70.1	2.76	117.5	4.63
DF69H-20-20	1-1/4	1-1/4	54.0	2.13	92.7	3.65	82.0	3.23	150.6	5.93
DF69H-24-20	1-1/4	1-1/2	63.5	2.50	91.4	3.60	90.0	3.54	149.3	5.88
DF69H-24-24	1-1/2	1-1/2	63.5	2.50	107.2	4.22	104.0	4.09	163.1	6.42
DF69H-32-32	2"	2"	79.4	3.13	145.6	5.73	124.0	4.88	209.6	8.25

DS605 SERIES(JIS Female 30° Flare Straight)

[LIST](#)


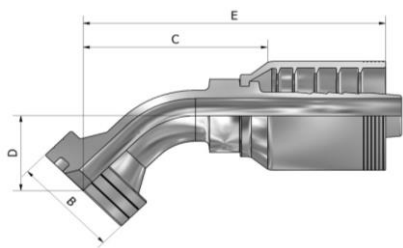
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DS605-24-24	1-1/2	1-1/2-11	55.0	2.17	53.7	2.11	60.0	2.36	110.2	4.34
DS605-32-32	2"	2"-11	70.0	2.76	59.2	2.33	70.0	2.76	124.2	4.89

DF60C SERIES(Caterpillar Style Flange Straight)

[LIST](#)


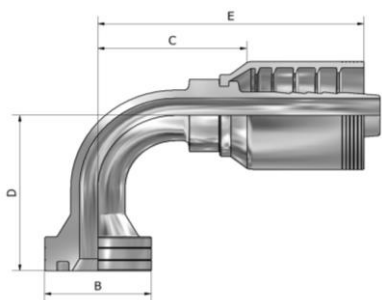
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF60C-12-12	3/4	3/4	41.3	1.63	81.5	3.21	126.5	4.98		
DF60C-16-16C91	1"	1"	47.6	1.87	94.5	3.72	141.4	5.57		
DF60C-20-16	1"	1-1/4	54.0	2.13	54.8	2.16	101.7	4.00		
DF60C-20-20	1-1/4	1-1/4	54.0	2.13	90.6	3.57	149.1	5.87		
DF60C-24-24	1-1/2	1-1/2	63.5	2.50	121.5	4.78	178.0	7.01		
DF60C-32-32	2"	2"	79.4	3.13	129.4	5.09	194.4	7.65		

DF64C SERIES(Caterpillar Style Flange 45 ° Elbow)

[LIST](#)


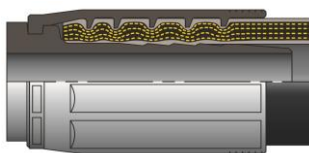
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF64C-12-12	3/4	3/4	41.3	1.63	71.2	2.80	30.8	1.21	116.2	4.57
DF64C-16-16	1"	1"	47.6	1.87	83.6	3.29	35.3	1.39	130.5	5.14
DF64C-16-16A30	1"	1"	47.6	1.87	89.3	3.52	26.8	1.06	136.2	5.36
DF64C-20-20	1-1/4	1-1/4	54.0	2.13	106.5	4.19	40.8	1.61	165.0	6.50
DF64C-20-20A30	1-1/4	1-1/4	54.0	2.13	105.5	4.15	26.7	1.05	164.0	6.46
DF64C-24-24	1-1/2	1-1/2	63.5	2.50	119.5	4.70	45.1	1.78	176.0	6.93
DF64C-32-24	1-1/2	2"	79.4	3.13	127.7	5.03	53.3	2.10	184.2	7.25
DF64C-32-24A30	1-1/2	2"	79.4	3.13	136.4	5.37	40.4	1.59	192.9	7.59
DF64C-32-32	2"	2"	79.4	3.13	157.6	6.20	57.1	2.25	222.6	8.76
DF64C-32-32A30	2"	2"	79.4	3.13	165.6	6.52	44.3	1.74	230.6	9.08

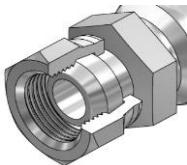
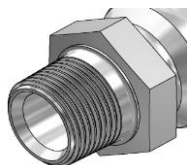
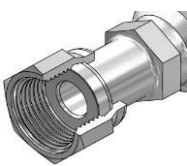
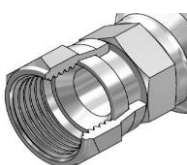
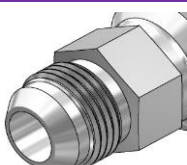
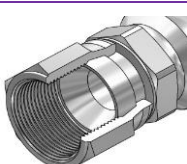
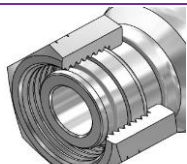
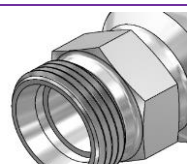
DF69C SERIES(Caterpillar Style Flange 90 ° Elbow)

[LIST](#)


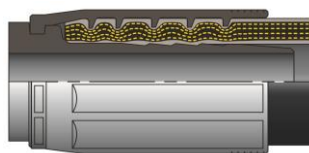
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF69C-12-12	3/4	3/4	41.3	1.63	58.3	2.30	64.4	2.54	103.0	4.06
DF69C-12-12D83.4	3/4	3/4	41.3	1.63	58.3	2.30	83.4	3.28	103.0	4.06
DF69C-12-12D120	3/4	3/4	41.3	1.63	58.3	2.30	120.0	4.72	103.0	4.06
DF69C-16-16	1"	1"	47.6	1.87	71.2	2.80	74.5	2.93	117.5	4.63
DF69C-16-16D121.5	1"	1"	47.6	1.87	71.2	2.80	121.5	4.78	117.5	4.63
DF69C-16-16D125	1"	1"	47.6	1.87	71.2	2.80	125.0	4.92	117.5	4.63
DF69C-20-16	1"	1-1/4	54.0	2.13	70.6	2.78	74.5	2.93	117.5	4.63
DF69C-20-20	1-1/4	1-1/4	54.0	2.13	92.1	3.63	86.5	3.41	150.6	5.93
DF69C-20-20D150	1-1/4	1-1/4	54.0	2.13	92.1	3.63	150.0	5.91	150.6	5.93
DF69C-24-24	1-1/2	1-1/2	63.5	2.50	106.6	4.20	104.0	4.09	163.1	6.42
DF69C-32-32	2"	2"	79.4	3.13	147.4	5.80	124.0	4.88	212.4	8.36

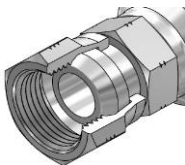
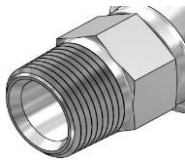
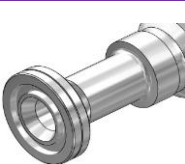
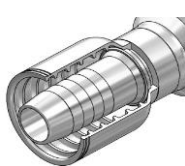
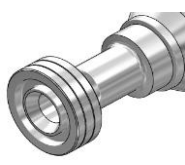
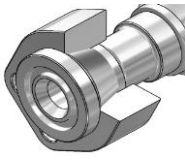
DH-7 SERIES

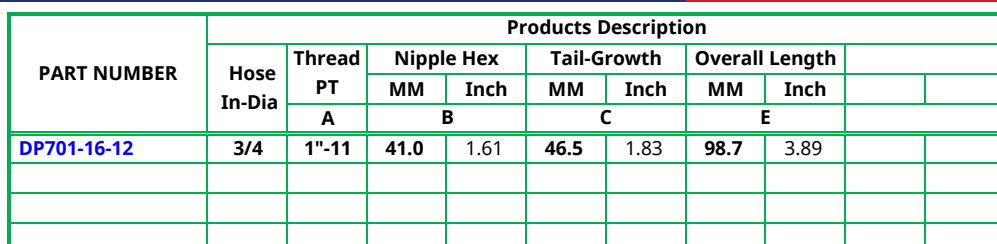
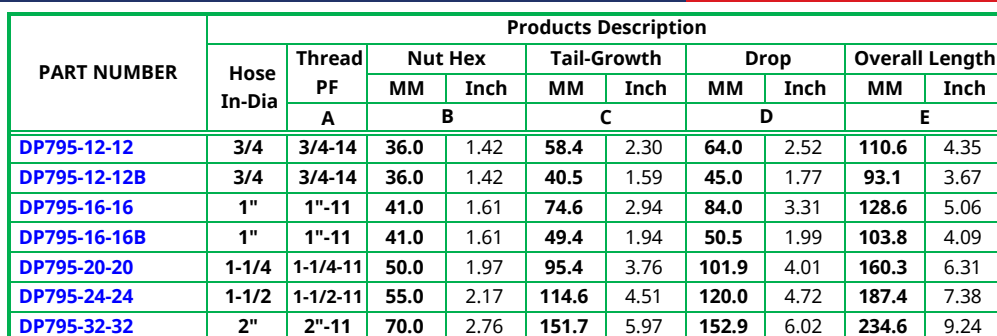
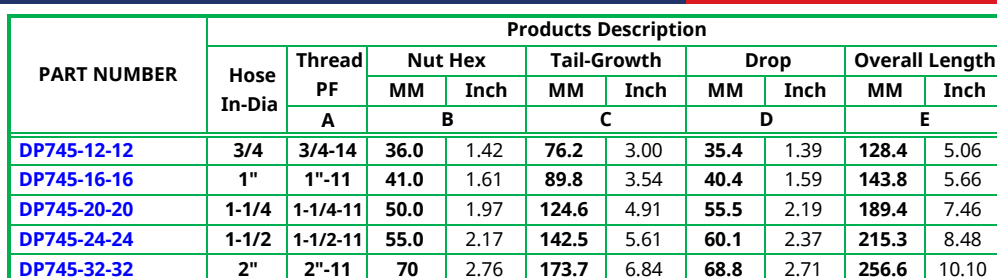
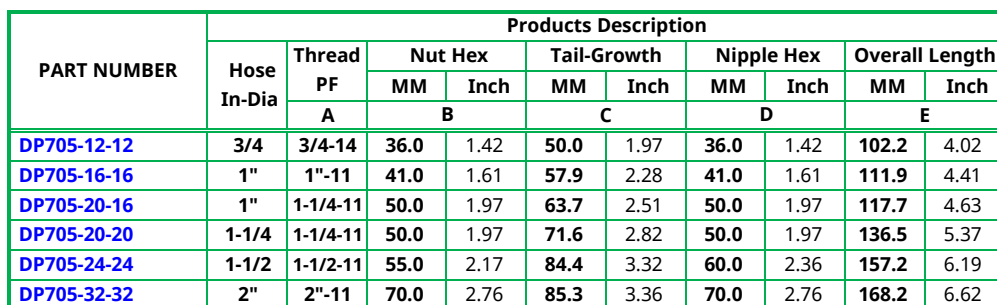


Applicable hose			SAE	ISO	EN				
			100R13	3862-1 R15					
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DP7X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DP705	DP745	DP795	
2	DP7X1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DP701	X	X	
3	DE7X3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DE703	DE743	DE793	
4	DC7X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DC704	DC744	DC794	
5	DC7X2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DC702	X	X	
6	DS7X6		P:Female Metric Swivel 30° Flare M:JIS Metric Female 60° Cone Seat(KOMATSU) E:Komatsu Female Swivel(KF)	JIS B 8363	METRIC	DS706	X	X	
7	DD7X6		P:Female Metric Swivel 24° Cone M:O-Ring Metric Female 24° Cone E:DKO Female Swivel	DIN20066/3865 ISO 12151-2	METRIC	DD706	DD746	DD796	
8	DM7XC		P:Male Metric Rigid 24° Cone M:Metric Male 24° Cone Seat E:24° Male	DIN20066/3861 ISO 12151-2	METRIC	DM70C	X	X	

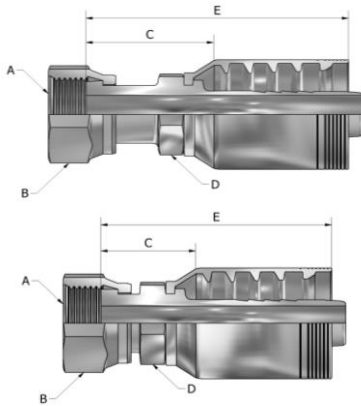
DH-7 SERIES



Applicable hose			SAE	ISO	EN				
			100R13	3862-1 R15					
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
9	DP7X7		P:Female NPSM Pipe Swivel 60° Cone M:NPSM Female 30° Cone		NPSM	DP707	X	X	
10	DP7X9		P:Male NPTF Pipe Rigid M:NPTF Male 30° Cone Seat E:Male Pipe(MP)	SAE J 516	NPTF	DP709	X	X	
11	DF7XS		P:SAE Code 61 FlangeHead M:Straight SAE Flange 3000psi Code 61 E:SAE Code 61 Split Flange(FL)	SAE J 516 SAE J 518 ISO 12151-3		DF70S	DF74S	DF79S	
12	DF7XH		P:SAE Code 62 FlangeHead M:Straight SAE Flange 6000psi Code 62 E:SAE Code 62 Split Flange(FH)	SAE J 516 SAE J 518 ISO 12151-3		DF70H	DF74H	DF79H	
13	DN7XJ		Hose Joiner M:Double Connector			DN70J	X	X	
14	DF7XC		P:Caterpillar Flange Head M:Straight SuperCAT Flange E:CAT Flange			DF70C	DF74C	DF79C	
15	DF7XTL		TAPER Lock Flange Head			DF70TL	DF74TL	DF79TL	

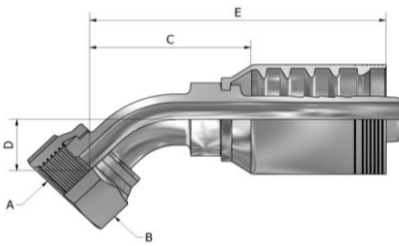


DE703 SERIES(Female Seal Lok O-Ring Face Seal Straight)

[LIST](#)


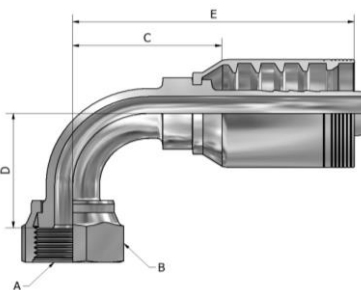
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DE703-19-12	3/4	1-3/16-12	36.0	1.42	49.1	1.93	30.0	1.18	101.3	3.99
DE703-19-12S	3/4	1-3/16-12	36.0	1.42	36.0	1.42	30.0	1.18	88.2	3.47
DE703-23-12	3/4	1-7/16-12	41.0	1.61	53.3	2.10	35.0	1.38	105.5	4.15
DE703-23-16	1"	1-7/16-12	41.0	1.61	56.5	2.22	35.0	1.38	110.5	4.35
DE703-23-16S	1"	1-7/16-12	41.0	1.61	44.6	1.76	35.0	1.38	98.6	3.88
DE703-27-16	1"	1-11/16-12	50.0	1.97	55.2	2.17	41.0	1.61	109.6	4.31
DE703-27-20	1-1/4	1-11/16-12	50.0	1.97	61.8	2.43	46.0	1.81	126.7	4.99
DE703-27-20S	1-1/4	1-11/16-12	50.0	1.97	47.9	1.89	46.0	1.81	113.2	4.46
DE703-32-24	1-1/2	2"-12	60.0	2.36	76.4	3.01	50.8	2.00	149.4	5.88
DE703-32-24S	1-1/2	2"-12	60.0	2.36	60.9	2.40	50.8	2.00	133.9	5.27

DE743 SERIES(Female Seal Lok O-Ring Face Seal 45° Elbow)

[LIST](#)


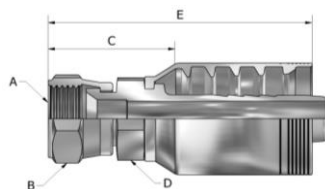
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DE743-19-12	3/4	1-3/16-12	36.0	1.42	62.0	2.44	21.1	0.83	114.1	4.49
DE743-23-16	1"	1-7/16-12	41.0	1.61	73.3	2.89	24.0	0.94	127.3	5.01
DE743-27-20	1-1/4	1-11/16-12	50.0	1.97	111.1	4.37	42.0	1.65	175.9	6.93
DE743-32-24	1-1/2	2"-12	60.0	2.36	130.5	5.14	48.0	1.89	203.4	8.01

DE793 SERIES(Female Seal Lok O-Ring Face Seal 90° Elbow)

[LIST](#)


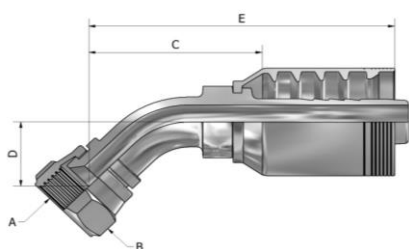
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DE793-19-12	3/4	1-3/16-12	36.0	1.42	58.4	2.30	48.0	1.89	110.6	4.35
DE793-19-12D96	3/4	1-3/16-12	36.0	1.42	58.4	2.30	96.0	3.78	110.6	4.35
DE793-23-12	3/4	1-7/16-12	41.0	1.61	58.1	2.29	56.0	2.20	110.6	4.35
DE793-23-12D114	3/4	1-7/16-12	41.0	1.61	58.1	2.29	114.0	4.49	1106.0	43.54
DE793-23-16	1"	1-7/16-12	41.0	1.61	70.6	2.78	56.0	2.20	124.6	4.91
DE793-23-16D95	1"	1-7/16-12	41.0	1.61	71.2	2.80	95.0	3.74	125.6	4.94
DE793-23-16D114	1"	1-7/16-12	41.0	1.61	71.2	2.80	114.0	4.49	125.6	4.94
DE793-27-20	1-1/4	1-11/16-12	50.0	1.97	95.4	3.76	82.0	3.23	160.3	6.31
DE793-27-20D129	1-1/4	1-11/16-12	50.0	1.97	115.4	4.54	129.0	5.08	180.3	7.10
DE793-32-24	1-1/2	2"-12	60.0	2.36	114.8	4.52	101.0	3.98	187.6	7.39

DC704 SERIES(Female JIC 37° Swivel Straight)

[LIST](#)


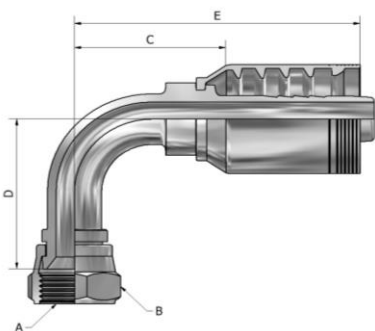
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DC704-17-12	3/4	1-1/16-12	31.8	1.25	48.0	1.89	28.6	1.12	100.2	3.94
DC704-21-12	3/4	1-5/16-12	38.0	1.50	50.6	1.99	35.0	1.38	103.1	4.06
DC704-21-16	1"	1-5/16-12	38.0	1.50	54.3	2.14	35.0	1.38	108.3	4.26
DC704-26-16	1"	1-5/8-12	50.0	1.97	59.8	2.35	41.3	1.62	114.2	4.50
DC704-26-20	1-1/4	1-5/8-12	50.0	1.97	70.2	2.76	47.6	1.87	135.1	5.32
DC704-30-24	1-1/2	1-7/8-12	55.0	2.17	74.2	2.92	54.0	2.13	147.2	5.80
DC704-40-32	2"	2-1/2-12	73.0	2.87	91.7	3.61	63.5	2.50	174.6	6.87

DC744 SERIES(Female JIC 37° Swivel 45° Elbow)

[LIST](#)


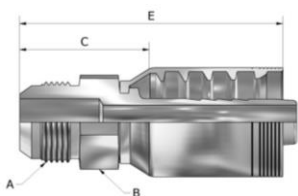
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DC744-17-12	3/4	1-1/16-12	31.8	1.25	67.9	2.67	27.0	1.06	120.0	4.72
DC744-21-16	1"	1-5/16-12	38.1	1.50	82.4	3.24	33.0	1.30	136.3	5.37
DC744-26-20	1-1/4	1-5/8-12	50.0	1.97	114.1	4.49	45.0	1.77	178.9	7.04
DC744-30-24	1-1/2	1-7/8-12	55.0	2.17	134.3	5.29	52.0	2.05	207.3	8.16

DC794 SERIES(Female JIC 37° Swivel 90° Elbow)

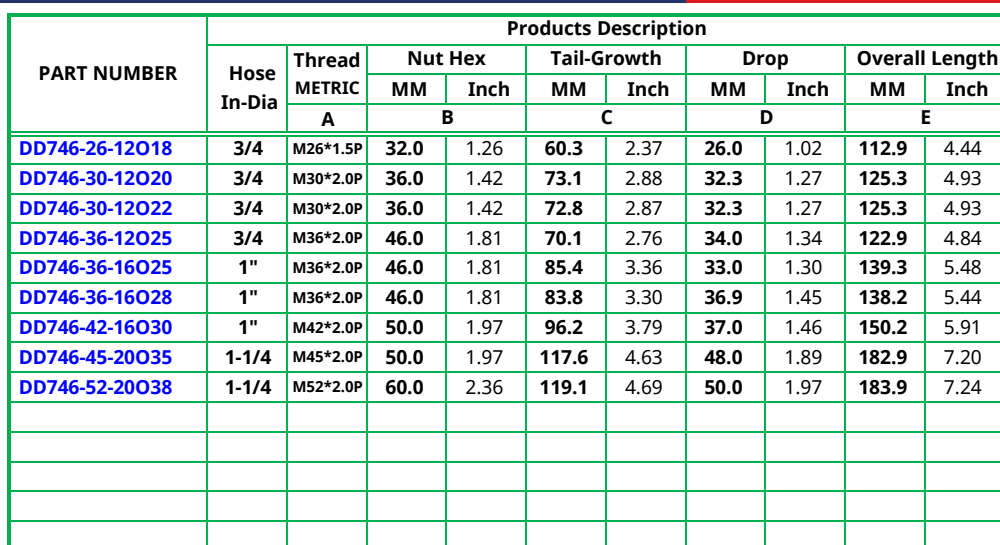
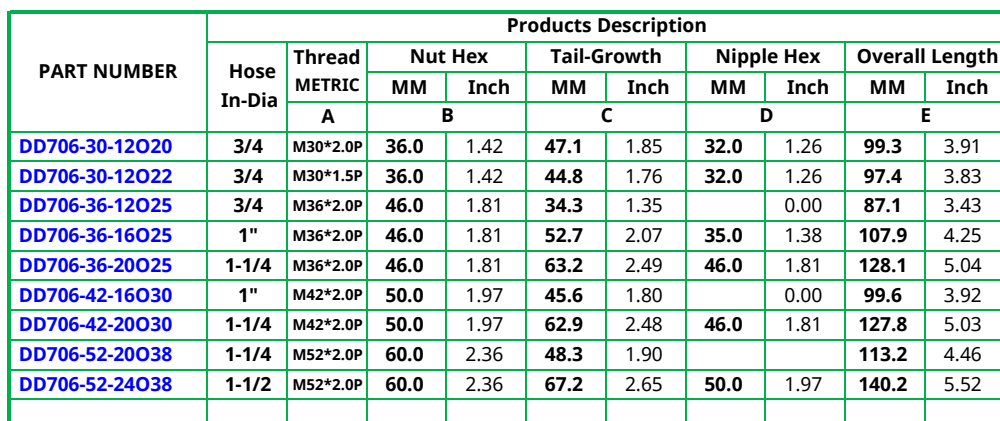
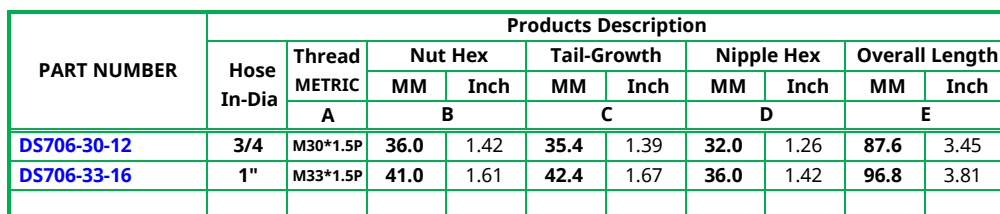
[LIST](#)


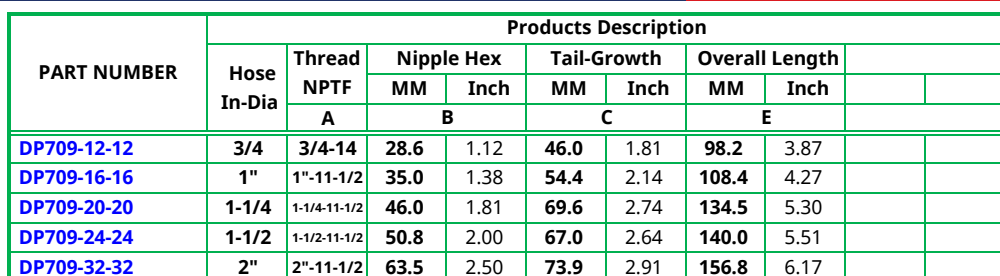
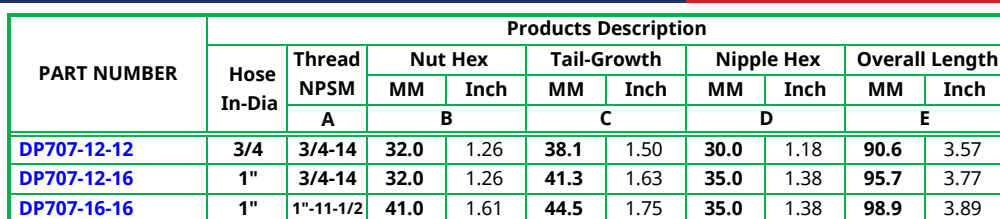
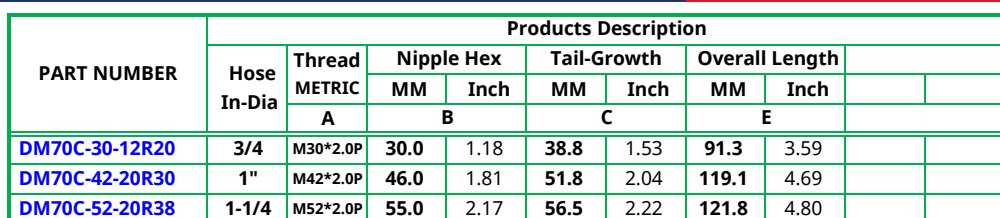
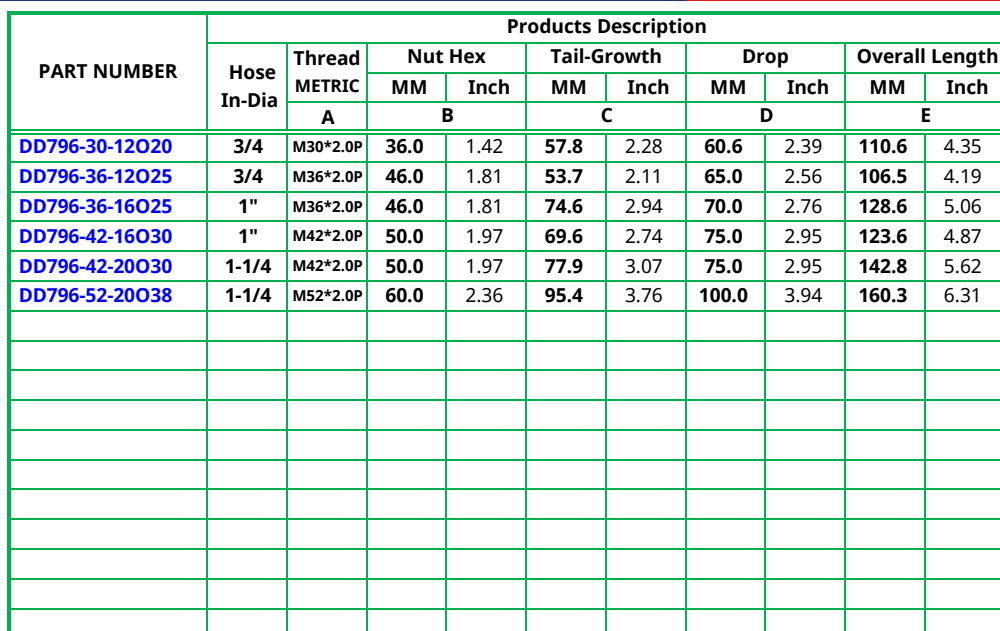
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A	B	C		D		E	
DC794-17-12	3/4	1-1/16-12	31.8	1.25	58.4	2.30	62.0	2.44	110.6	4.35
DC794-21-16	1"	1-5/16-12	38.1	1.50	71.6	2.82	74.0	2.91	125.6	4.94
DC794-26-20	1-1/4	1-5/8-12	50.0	1.97	95.4	3.76	85.0	3.35	160.3	6.31
DC794-26-20D130	1-1/4	1-5/8-12	50.0	1.97	115.0	4.53	130.0	5.12	180.3	7.10
DC794-30-24	1-1/2	1-7/8-12	55.0	2.17	114.5	4.51	110.0	4.33	187.5	7.38
DC794-40-32	2"	2-1/2-12	73.0	2.87	151.7	5.97	136.0	5.35	234.6	9.24

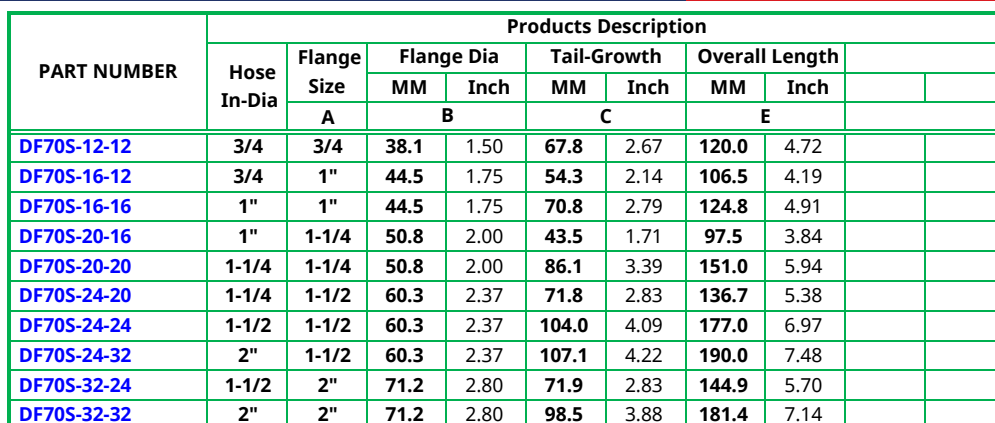
DC702 SERIES(Male JIC 37°)

[LIST](#)


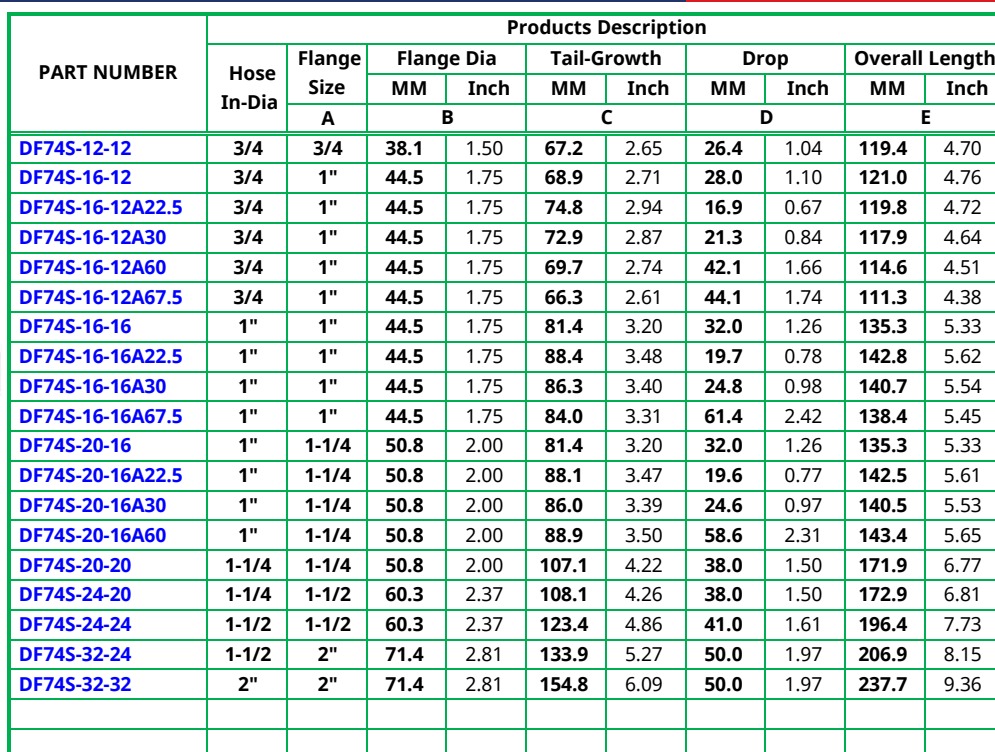
PART NUMBER	Hose In-Dia	Thread UNF	Products Description							
			Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
			A	B	C		D			
DC702-21-12	3/4	1-5/16-12	35.0	1.38	50.4	1.98	102.6	4.04		



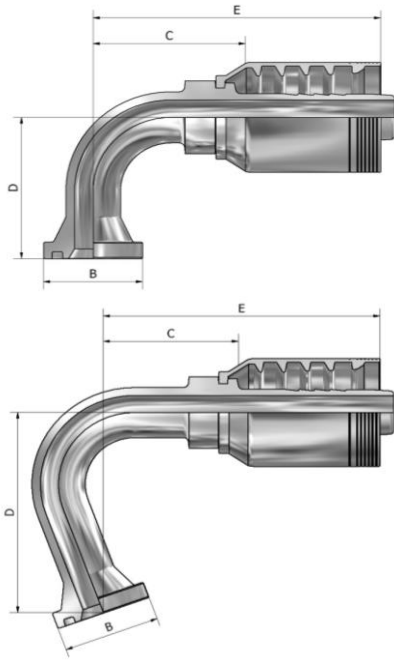




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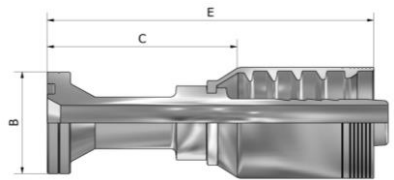


DF79S SERIES(SAE Code 61 Flange 90 °)

[LIST](#)


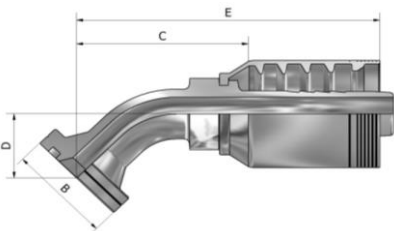
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF79S-12-12	3/4	3/4	38.1	1.50	58.4	2.30	58.0	2.28	110.6	4.35
DF79S-12-12A110	3/4	3/4	38.1	1.50	56.7	2.23	84.0	3.31	108.9	4.29
DF79S-12-12D83	3/4	3/4	38.1	1.50	58.1	2.29	83.0	3.27	103.0	4.06
DF79S-16-12	3/4	1"	44.5	1.75	58.4	2.30	58.0	2.28	110.6	4.35
DF79S-16-12A110	3/4	1"	44.5	1.75	56.7	2.23	84.0	3.31	108.9	4.29
DF79S-16-12D77	3/4	1"	44.5	1.75	58.1	2.29	77.0	3.03	103.0	4.06
DF79S-16-16	1"	1"	44.5	1.75	71.6	2.82	70.0	2.76	125.6	4.94
DF79S-16-16A110	1"	1"	44.5	1.75	63.7	2.51	94.0	3.70	117.7	4.63
DF79S-16-16D100	1"	1"	44.5	1.75	71.2	2.80	100.0	3.94	125.6	4.94
DF79S-16-16D117	1"	1"	44.5	1.75	96.6	3.80	117.0	4.61	150.6	5.93
DF79S-20-16	1"	1-1/4	50.8	2.00	71.6	2.82	70.0	2.76	125.6	4.94
DF79S-20-16A110	1"	1-1/4	50.8	2.00	67.7	2.67	94.0	3.70	121.7	4.79
DF79S-20-16D117	1"	1-1/4	50.8	2.00	96.7	3.81	117.0	4.61	150.6	5.93
DF79S-20-20	1-1/4	1-1/4	50.8	2.00	95.4	3.76	82.0	3.23	160.3	6.31
DF79S-20-20D140	1-1/4	1-1/4	50.8	2.00	115.4	4.54	140.0	5.51	180.3	7.10
DF79S-24-20	1-1/4	1-1/2	60.3	2.37	96.4	3.80	90.0	3.54	161.3	6.35
DF79S-24-24	1-1/2	1-1/2	60.3	2.37	114.6	4.51	104.0	4.09	187.6	7.39
DF79S-32-24	1-1/2	2"	71.4	2.81	116.1	4.57	104.0	4.09	189.1	7.44
DF79S-32-32	2"	2"	71.4	2.81	151.7	5.97	120.0	4.72	234.6	9.24

DF70H SERIES(SAE Code 62 Flange Straight)

[LIST](#)


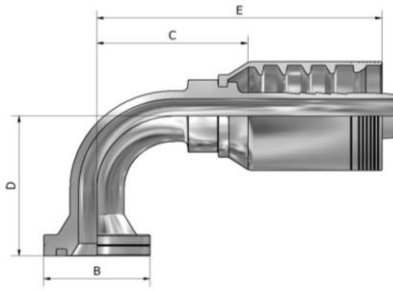
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF70H-12-12	3/4	3/4	41.3	1.63	71.9	2.83	124.4	4.90		
DF70H-12-16	1"	3/4	41.3	1.63	89.5	3.52	143.5	5.65		
DF70H-16-12	3/4	1"	47.6	1.87	46.0	1.81	98.5	3.88		
DF70H-16-16	1"	1"	47.6	1.87	85.3	3.36	139.3	5.48		
DF70H-16-20	1-1/4	1"	47.6	1.87	91.5	3.60	156.4	6.16		
DF70H-20-16	1"	1-1/4	54.0	2.13	54.3	2.14	108.7	4.28		
DF70H-20-20	1-1/4	1-1/4	54.0	2.13	92.8	3.65	158.1	6.22		
DF70H-24-20	1-1/2	1-1/4	63.5	2.50	65.4	2.57	130.7	5.15		
DF70H-24-24	1-1/2	1-1/2	63.5	2.50	116.0	4.57	190.0	7.48		
DF70H-32-24	1-1/2	2"	79.4	3.13	86.4	3.40	159.4	6.28		
DF70H-32-32	2"	2"	79.4	3.13	136.5	5.37	219.4	8.64		

DF74H SERIES(SAE Code 62 Flange 45° Elbow)

[LIST](#)


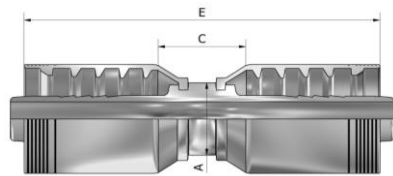
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF74H-12-12	3/4	3/4	41.3	1.63	67.5	2.66	27.0	1.06	120.0	4.72
DF74H-16-12	3/4	1"	47.6	1.87	68.5	2.70	28.0	1.10	121.0	4.76
DF74H-16-16	1"	1"	47.6	1.87	80.9	3.19	32.0	1.26	135.3	5.33
DF74H-20-16	1"	1-1/4	54.0	2.13	80.9	3.19	32.0	1.26	135.3	5.33
DF74H-20-20	1-1/4	1-1/4	54.0	2.13	106.6	4.20	38.0	1.50	171.9	6.8
DF74H-20-20A60	1-1/4	1-1/4	54.0	2.13	103.5	4.07	47.8	1.88	168.9	6.6
DF74H-24-20	1-1/4	1-1/2	63.5	2.50	106.6	4.20	38.0	1.50	171.9	6.77
DF74H-24-24	1-1/2	1-1/2	63.5	2.50	126.4	4.98	44.0	1.73	199.4	7.9
DF74H-32-24	1-1/2	2"	79.4	3.13	133.9	5.27	50.0	1.97	206.9	8.1
DF74H-32-32	2"	2"	79.4	3.13	163.6	6.44	56.0	2.20	246.5	9.70
DF74H-32-32A30	2"	2"	79.4	3.13	163.7	6.44	39.1	1.54	246.6	9.71

DF79H SERIES(SAE Code 62 Flange 90° Elbow)

[LIST](#)


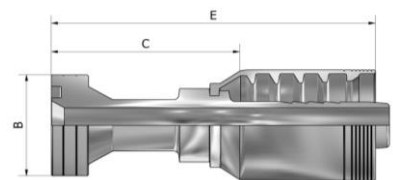
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF79H-12-12	3/4	3/4	41.3	1.63	58.1	2.29	58.0	2.28	110.6	4.35
DF79H-12-12D77	3/4	3/4	41.3	1.63	58.1	2.29	77.0	3.03	110.6	4.35
DF79H-12-16	1"	3/4	41.3	1.63	63.2	2.49	58.0	2.28	117.6	4.63
DF79H-16-12	3/4	1"	47.6	1.87	58.1	2.29	58.0	2.28	110.6	4.35
DF79H-16-12D77	3/4	1"	47.6	1.87	58.1	2.29	77.0	3.03	110.6	4.35
DF79H-16-16	1"	1"	47.6	1.87	71.2	2.80	70.0	2.76	125.6	4.94
DF79H-16-16D117	1"	1"	47.6	1.87	71.2	2.80	117.0	4.61	125.6	4.94
DF79H-20-16	1"	1-1/4	54.0	2.13	71.2	2.80	70.1	2.76	125.6	4.94
DF79H-20-16D117	1"	1-1/4	54.0	2.13	71.2	2.80	117.0	4.61	125.6	4.94
DF79H-20-20	1-1/4	1-1/4	54.0	2.13	95.0	3.74	82.0	3.23	160.3	6.31
DF79H-20-20A110	1-1/4	1-1/4	54.0	2.13	76.4	3.01	104.0	4.09	141.7	5.58
DF79H-20-20D120	1-1/4	1-1/4	54.0	2.13	95.0	3.74	120.0	4.72	160.3	6.31
DF79H-20-20D200	1-1/4	1-1/4	54.0	2.13	95.0	3.74	200.0	7.87	160.3	6.31
DF79H-20-24D94	1-1/2	1-1/4	54.0	2.13	101.1	3.98	94.0	3.70	174.1	6.85
DF79H-20-24D200	1-1/2	1-1/4	54.0	2.13	101.1	3.98	200.0	7.87	174.1	6.85
DF79H-24-20	1-1/4	1-1/2	63.5	2.50	95.4	3.76	82.0	3.23	160.3	6.31
DF79H-24-20D120	1-1/4	1-1/2	63.5	2.50	115.4	4.54	120.0	4.72	180.3	7.10
DF79H-24-24	1-1/2	1-1/2	63.5	2.50	114.6	4.51	104.0	4.09	187.6	7.39
DF79H-24-24D180	1-1/2	1-1/2	63.5	2.50	114.6	4.51	180.0	7.09	187.6	7.39
DF79H-32-24	1-1/2	2"	79.4	3.13	116.1	4.57	104.0	4.09	189.1	7.44
DF79H-32-32	2"	2"	79.4	3.13	154.5	6.08	124.0	4.88	237.4	9.35
DF79H-32-32D159	2"	2"	79.4	3.13	154.5	6.08	159.0	6.26	237.4	9.35

DN70J SERIES

[LIST](#)


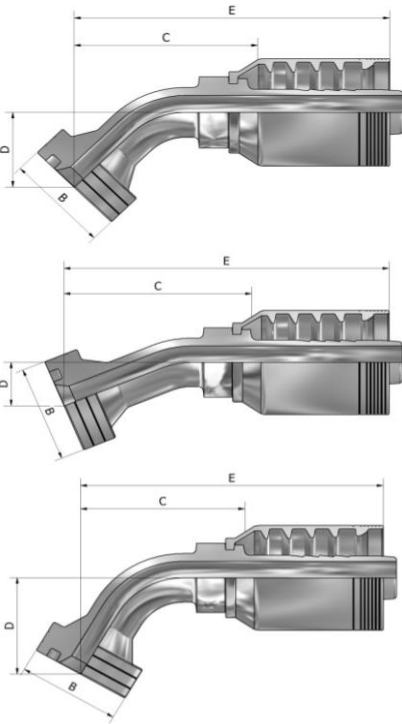
PART NUMBER	Products Description							
	Hose In-Dia	Nipple		Tail-Growth		Overall Length		
		MM	Inch	MM	Inch	MM	Inch	
		A		C		E		
DN70J-12-12	3/4	30.0	1.18	29.9	1.18	138.0	5.43	
DN70J-16-16	1"	36.0	1.42	37.4	1.47	150.2	5.91	
DN70J-20-20	1-1/4	46.0	1.81	49.9	1.96	186.6	7.35	
DN70J-24-24	1-1/2	54.0	2.13	65.2	2.57	217.2	8.55	
DN70J-32-32	2"	68.0	2.68	71.4	2.81	243.2	9.57	

DF70C SERIES(Caterpillar Style Flange Straight)

[LIST](#)


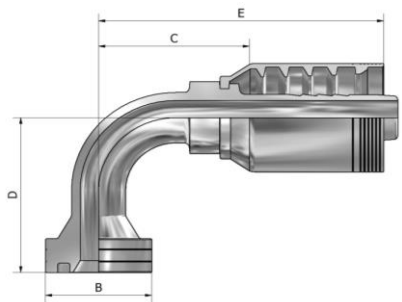
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DF70C-12-12	3/4	3/4	41.3	1 5/8	71.9	2.83	124.4	4.90		
DF70C-16-12	3/4	1"	47.6	1 7/8	50.6	1.99	103.2	4.06		
DF70C-16-16	1"	1"	47.6	1 7/8	87.5	3.44	141.5	5.57		
DF70C-16-16C91	1"	1"	47.6	1 7/8	95.0	3.74	149.4	5.88		
DF70C-20-16	1"	1-1/4	54.0	2 1/8	55.4	2.18	109.8	4.32		
DF70C-20-20	1-1/4	1-1/4	54.0	2 1/8	93.4	3.68	158.7	6.25		
DF70C-24-20	1-1/4	1-1/2	63.5	2 1/2	68.3	2.69	133.6	5.26		
DF70C-24-24	1-1/2	1-1/2	63.5	2 1/2	118.6	4.67	191.6	7.54		
DF70C-32-24	1-1/2	2"	79.4	3 1/8	86.4	3.40	159.4	6.28		
DF70C-32-32	2"	2"	79.4	3 1/8	136.5	5.37	219.4	8.64		

DF74C SERIES(Caterpillar Style Flange 22.5 ~ 67.5 ° Elbow)

[LIST](#)


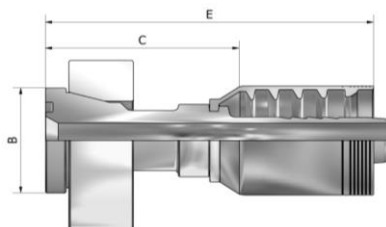
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF74C-12-12	3/4	3/4	41.3	1.63	72.0	2.83	31.6	1.24	124.6	4.91
DF74C-12-12A22.5	3/4	3/4	41.3	1.63	79.4	3.13	18.8	0.74	132.0	5.20
DF74C-12-12A30	3/4	3/4	41.3	1.63	77.3	3.04	23.8	0.94	129.8	5.11
DF74C-12-12A60	3/4	3/4	41.3	1.63	69.4	2.73	41.6	1.64	121.9	4.80
DF74C-16-12	3/4	1"	47.6	1.87	72.0	2.83	31.5	1.24	124.6	4.91
DF74C-16-12A22.5	3/4	1"	47.6	1.87	79.5	3.13	18.8	0.74	132.0	5.20
DF74C-16-12A30	3/4	1"	47.6	1.87	77.3	3.04	23.8	0.94	129.8	5.11
DF74C-16-12A60	3/4	1"	47.6	1.87	71.8	2.83	45.7	1.80	124.3	4.89
DF74C-16-16	1"	1"	47.6	1.87	84.2	3.31	35.3	1.39	138.6	5.46
DF74C-16-16A22.5	1"	1"	47.6	1.87	91.0	3.58	20.8	0.82	145.4	5.72
DF74C-16-16A30	1"	1"	47.6	1.87	88.7	3.49	26.2	1.03	143.2	5.64
DF74C-20-16	1"	1-1/4	54.0	2.13	84.2	3.31	35.3	1.39	138.6	5.46
DF74C-20-16A22.5	1"	1-1/4	54.0	2.13	91.0	3.58	20.8	0.82	145.4	5.72
DF74C-20-16A30	1"	1-1/4	54.0	2.13	88.7	3.49	26.2	1.03	143.2	5.64
DF74C-20-16A60	1"	1-1/4	54.0	2.13	90.3	3.56	61.0	2.40	144.8	5.70
DF74C-20-20	1-1/4	1-1/4	54.0	2.13	109.4	4.31	40.8	1.61	174.7	6.88
DF74C-20-20A22.5	1-1/4	1-1/4	54.0	2.13	111.0	4.37	21.4	0.84	175.9	6.93
DF74C-20-20A30	1-1/4	1-1/4	54.0	2.13	108.2	4.26	26.7	1.05	173.6	6.83
DF74C-20-20A60	1-1/4	1-1/4	54.0	2.13	107.8	4.24	55.2	2.17	173.1	6.81
DF74C-24-20	1-1/4	1-1/2	63.5	2.50	109.4	4.31	40.8	1.61	174.7	6.88
DF74C-24-20A22.5	1-1/4	1-1/2	63.5	2.50	118.5	4.67	24.7	0.97	183.9	7.24
DF74C-24-20A30	1-1/4	1-1/2	63.5	2.50	114.8	4.52	31.1	1.22	181.1	7.13
DF74C-24-20A60	1-1/4	1-1/2	63.5	2.50	107.8	4.24	55.2	2.17	173.2	6.82
DF74C-24-24	1-1/2	1-1/2	63.5	2.50	127.5	5.02	45.2	1.78	200.5	7.89
DF74C-24-24A22.5	1-1/2	1-1/2	63.5	2.50	137.3	5.41	27.6	1.09	210.3	8.28
DF74C-24-24A30	1-1/2	1-1/2	63.5	2.50	134.3	5.29	34.6	1.36	207.3	8.16
DF74C-24-24A60	1-1/2	1-1/2	63.5	2.50	127.0	5.00	61.8	2.43	200.0	7.87
DF74C-32-32	2"	2"	79.4	3.13	163.6	6.44	56.0	2.20	246.5	9.70

DF79C SERIES(Caterpillar Style Flange 90 ° Elbow)

[LIST](#)


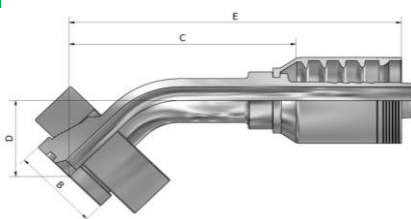
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DF79C-12-12	3/4	3/4	41.3	1.63	58.1	2.29	64.4	2.54	110.6	4.35
DF79C-16-12	3/4	1"	47.6	1.87	58.1	2.29	62.7	2.47	110.6	4.35
DF79C-16-16	1"	1"	47.6	1.87	71.2	2.80	74.5	2.93	125.6	4.94
DF79C-16-16D132	1"	1"	47.6	1.87	71.2	2.80	132.0	5.20	125.6	4.94
DF79C-20-16	1"	1-1/4	54.0	2.13	71.2	2.80	74.5	2.93	125.6	4.94
DF79C-20-20	1-1/4	1-1/4	54.0	2.13	95.0	3.74	86.5	3.41	160.3	6.3
DF79C-20-20D150	1-1/4	1-1/4	54.0	2.13	95.0	3.74	150.0	5.91	160.3	6.3
DF79C-24-20	1-1/4	1-1/2	63.5	2.50	95.0	3.74	86.5	3.41	160.3	6.31
DF79C-24-20D135	1-1/4	1-1/2	63.5	2.50	95.0	3.74	135.0	5.31	160.3	6.31
DF79C-24-20D200	1-1/4	1-1/2	63.5	2.50	95.0	3.74	200.0	7.87	160.3	6.31
DF79C-24-24	1-1/2	1-1/2	63.5	2.50	114.6	4.51	104.0	4.09	187.6	7.4
DF79C-32-24	1-1/2	2"	79.4	3.13	116.1	4.57	104.0	4.09	189.1	7.4
DF79C-32-32	2"	2"	79.4	3.13	154.5	6.08	124.0	4.88	237.4	9.35

DF70TL SERIES(Taper Lock Style Flange Straight)

[LIST](#)


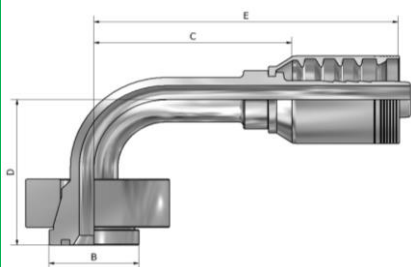
PART NUMBER	Products Description								
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length		
			MM	Inch	MM	Inch	MM	Inch	
		A	B		C		E		
DF70TL-12-12	3/4	3/4	43.5	1.71	74.2	2.92	127.0	5.00	
DF70TL-16-16	1"	1"	49.5	1.95	78.5	3.09	132.9	5.23	
DF70TL-20-16	1"	1-1/4	57.5	2.26	69.0	2.72	123.0	4.84	
DF70TL-20-20	1-1/4	1-1/4	57.5	2.26	105.7	4.16	171.0	6.73	
DF70TL-24-20	1-1/4	1-1/2	68.5	2.70	90.7	3.57	156.0	6.14	
DF70TL-24-24	1-1/2	1-1/2	68.5	2.70	130.0	5.12	203.0	7.99	
DF70TL-32-24	1-1/2	2"	83.5	3.29	115.0	4.53	188.0	7.40	
DF70TL-32-32	2"	2"	83.5	3.29	135.7	5.34	234.0	9.21	

DF74TL SERIES(Taper Lock Style Flange 45 ° Elbow)

[LIST](#)


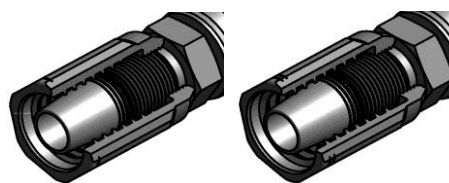
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF74TL-12-12	3/4	3/4	43.5	1.71	111.8	4.40	40.0	1.57	164.0	6.46
DF74TL-16-16	1"	1"	49.5	1.95	124.6	4.91	50.0	1.97	179.0	7.05
DF74TL-16-16A70	1"	1"	49.5	1.95	131.6	5.18	70.0	2.76	186.0	7.32
DF74TL-20-16	1"	1-1/4	57.5	2.26	123.6	4.87	50.0	1.97	178.0	7.01
DF74TL-20-20	1-1/4	1-1/4	57.5	2.26	168.7	6.64	60.0	2.36	234.0	9.2
DF74TL-20-20A15	1-1/4	1-1/4	57.5	2.26	176.7	6.96	18.0	0.71	242.0	9.5
DF74TL-20-20A70	1-1/4	1-1/4	57.5	2.26	179.7	7.07	96.0	3.78	245.0	9.6
DF74TL-24-20	1-1/4	1-1/2	68.5	2.70	178.7	7.04	60.0	2.36	244.0	9.6
DF74TL-24-24	1-1/2	1-1/2	68.5	2.70	190.0	7.48	80.0	3.15	263.0	10.4
DF74TL-24-24A15	1-1/2	1-1/2	68.5	2.70	217.0	8.54	24.0	0.94	290.0	11.4
DF74TL-24-24A30	1-1/2	1-1/2	68.5	2.70	207.0	8.15	50.0	1.97	295.8	11.6
DF74TL-32-24	1-1/2	2"	83.5	3.29	206.0	8.11	95.0	3.74	279.0	10.98
DF74TL-32-32	2"	2"	83.5	3.29	206.7	8.14	90.0	3.54	305.0	12.01
DF74TL-32-32A22.5	2"	2"	83.5	3.29	232.7	9.16	45.0	1.77	331.0	13.03
DF74TL-32-32A30	2"	2"	83.5	3.29	226.7	8.93	55.0	2.17	325.0	12.80

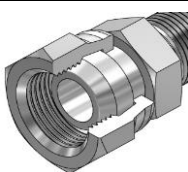
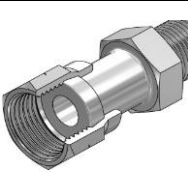
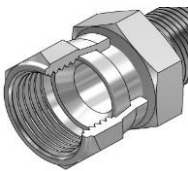
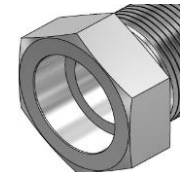
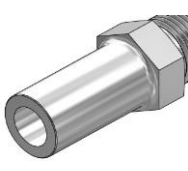
DF79TL SERIES(Taper Lock Style Flange 90 ° Elbow)

[LIST](#)


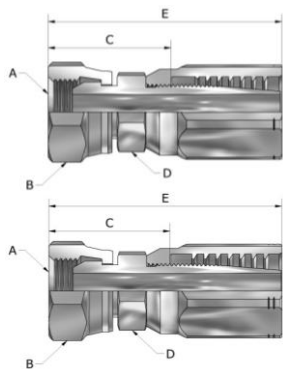
PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF79TL-12-12	3/4	3/4	43.5	1.71	92.8	3.65	75.0	2.95	148.0	5.83
DF79TL-16-16	1"	1"	49.5	1.95	99.6	3.92	90.0	3.54	158.0	6.22
DF79TL-20-16	1"	1-1/4	57.5	2.26	99.6	3.92	100.0	3.94	158.0	6.22
DF79TL-20-20	1-1/4	1-1/4	57.5	2.26	135.7	5.34	120.0	4.72	207.0	8.1
DF79TL-20-20A110	1-1/4	1-1/4	57.5	2.26	124.7	4.91	125.0	4.92	196.0	7.7
DF79TL-20-20D160	1-1/4	1-1/4	57.5	2.26	135.7	5.34	160.0	6.30	207.0	8.1
DF79TL-24-20	1-1/4	1-1/2	68.5	2.70	135.7	5.34	120.0	4.72	207.0	8.1
DF79TL-24-24	1-1/2	1-1/2	68.5	2.70	155.0	6.10	140.0	5.51	234.0	9.2
DF79TL-24-24A105	1-1/2	1-1/2	68.5	2.70	155.0	6.10	140.0	5.51	234.0	9.2
DF79TL-32-24	1-1/2	2"	83.5	3.29	155.0	6.10	160.0	6.30	234.0	9.21
DF79TL-32-32	2"	2"	83.5	3.29	169.7	6.68	180.0	7.09	274.0	10.79
DF79TL-32-32A100	2"	2"	83.5	3.29	136.7	5.38	200.0	7.87	241.0	9.49
DF79TL-32-32A110	2"	2"	83.5	3.29	136.7	5.38	200.0	7.87	241.0	9.49
DF79TL-32-32D150	2"	2"	83.5	3.29	169.7	6.68	150.0	5.91	274.0	10.79

DH- R SERIES



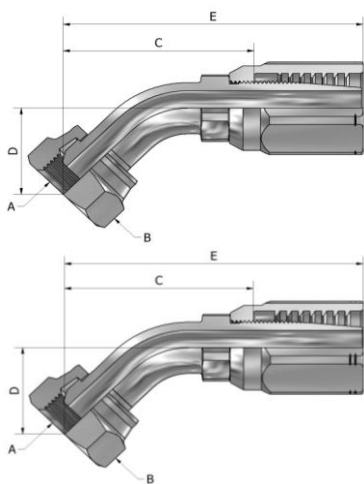
Applicable hose			SAE	ISO	EN				
			100R1/100R2	1436-1-1SN, 2SN	853-1SN				
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DPRX5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DPR05	DPR45	DPR95	
2	DPRX1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DPR01	X	X	
3	DERX3		P:Female Seal -Lok Swivel Long M:ORFS Female E:Female ORS Swivel(FR)	SAE J 516 SAE J1453	UNF	DER03	X	DER93	
4	DCRX4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DCR04	DCR44	DCR94	
5	DCRX2		P:Male JIC 37° Rigid M:JIC Male 37° Cone E:Male JIC/SAE 37° (MJ)	SAE J 514 SAE J 516	UNF	DCR02	X	X	
6	DNRXL		Life Saver M:Brazing Tail			DNR0L	X	X	
7	DPRX9		P:Male NPTF Pipe Rigid M:NPTF Male 30° Cone Seat E:Male Pipe(MP)	SAE J 516	NPTF	DPR09	X	X	
8	DNRXP		P:Male Standpipe Metric Rigid M:Metric Standpipe	DIN 2353 ISO 8434		DNR0P	X	X	

DPR05 SERIES(BSP Female Straight)

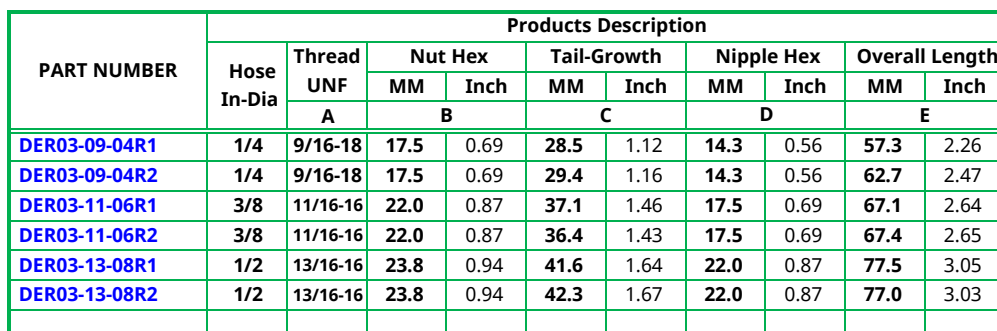
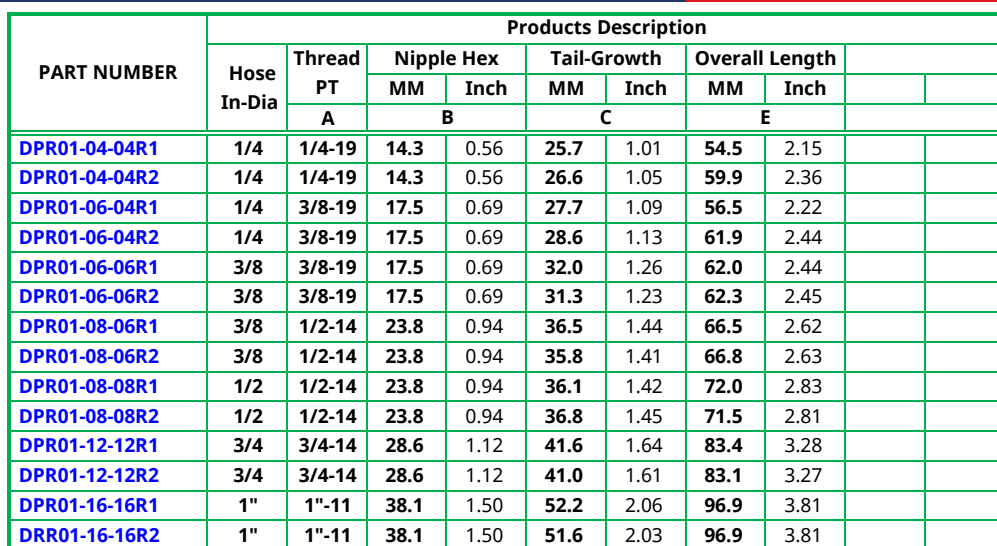
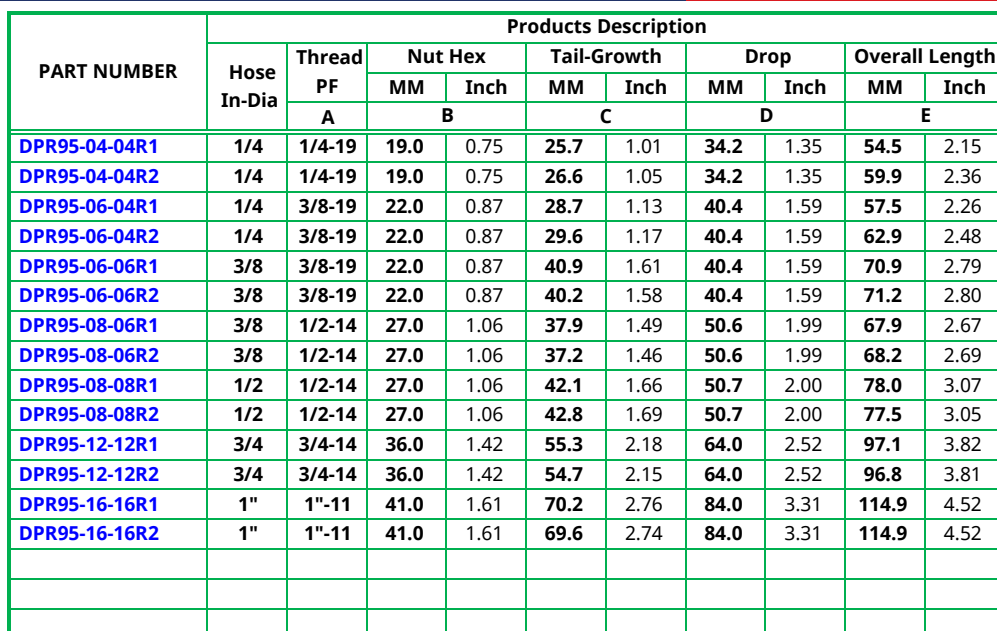
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DPR05-02-04R1	1/4	1/8-28	14.0	0.55	26.6	1.05	14.3	0.56	55.4	2.18
DPR05-02-04R2	1/4	1/8-28	14.0	0.55	27.5	1.08	14.3	0.56	60.8	2.39
DPR05-04-04R1	1/4	1/4-19	19.0	0.75	29.2	1.15	14.3	0.56	58.0	2.28
DPR05-04-04R2	1/4	1/4-19	19.0	0.75	30.1	1.19	14.3	0.56	63.4	2.50
DPR05-06-04R1	1/4	3/8-19	22.0	0.87	34.7	1.37	17.5	0.69	63.5	2.50
DPR05-06-04R2	1/4	3/8-19	22.0	0.87	35.6	1.40	17.5	0.69	68.9	2.71
DPR05-06-06R1	3/8	3/8-19	22.0	0.87	39.0	1.54	17.5	0.69	69.0	2.72
DPR05-06-06R2	3/8	3/8-19	22.0	0.87	38.3	1.51	17.5	0.69	69.3	2.73
DPR05-08-06R1	3/8	1/2-14	27.0	1.06	42.8	1.69	22.0	0.87	72.8	2.87
DPR05-08-06R2	3/8	1/2-14	27.0	1.06	42.1	1.66	22.0	0.87	73.1	2.88
DPR05-08-08R1	1/2	1/2-14	27.0	1.06	42.4	1.67	22.0	0.87	78.3	3.08
DPR05-08-08R2	1/2	1/2-14	27.0	1.06	43.1	1.70	22.0	0.87	77.8	3.06
DPR05-12-12R1	3/4	3/4-14	36.0	1.42	46.3	1.82	28.6	1.12	88.1	3.47
DPR05-12-12R2	3/4	3/4-14	36.0	1.42	46.0	1.81	28.6	1.12	88.1	3.47
DPR05-16-12R1	3/4	1"-11	41.0	1.61	49.3	1.94	38.1	1.50	91.1	3.59
DPR05-16-12R2	3/4	1"-11	41.0	1.61	48.7	1.92	38.1	1.50	90.8	3.57
DPR05-16-16R1	1"	1"-11	41.0	1.61	52.2	2.06	38.1	1.50	96.9	3.81
DPR05-16-16R2	1"	1"-11	41.0	1.61	51.6	2.03	38.1	1.50	96.9	3.81

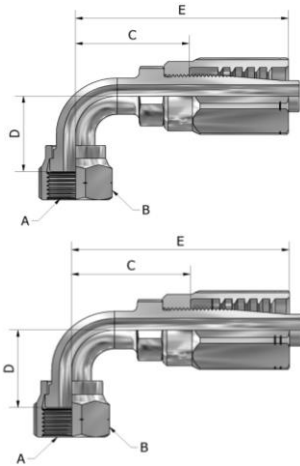
DPR45 SERIES(BSP Female 45° Elbow)

[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DPR45-04-04R1	1/4	1/4-19	19.0	0.75	40.1	1.58	19.7	0.78	68.9	2.71
DPR45-04-04R2	1/4	1/4-19	19.0	0.75	41.0	1.61	19.7	0.78	74.3	2.93
DPR45-06-04R1	1/4	3/8-19	22.0	0.87	42.7	1.68	22.2	0.87	71.5	2.81
DPR45-06-04R2	1/4	3/8-19	22.0	0.87	43.5	1.71	22.2	0.87	76.9	3.03
DPR45-06-06R1	3/8	3/8-19	22.0	0.87	50.5	1.99	22.2	0.87	80.5	3.17
DPR45-06-06R2	3/8	3/8-19	22.0	0.87	49.8	1.96	22.2	0.87	80.8	3.18
DPR45-08-06R1	3/8	1/2-14	27.0	1.06	57.9	2.28	28.8	1.13	87.9	3.46
DPR45-08-06R2	3/8	1/2-14	27.0	1.06	57.2	2.25	28.8	1.13	88.2	3.47
DPR45-08-08R1	1/2	1/2-14	27.0	1.06	58.9	2.32	28.0	1.10	94.8	3.73
DPR45-08-08R2	1/2	1/2-14	27.0	1.06	59.6	2.35	28.0	1.10	94.3	3.71
DPR45-12-12R1	3/4	3/4-14	36.0	1.42	73.1	2.88	35.4	1.39	114.9	4.52
DPR45-12-12R2	3/4	3/4-14	36.0	1.42	72.5	2.85	35.4	1.39	114.6	4.51
DPR45-16-16R1	1"	1"-11	41.0	1.61	88.4	3.48	40.4	1.59	133.1	5.24
DPR45-16-16R2	1"	1"-11	41.0	1.61	87.8	3.46	40.4	1.59	133.1	5.24

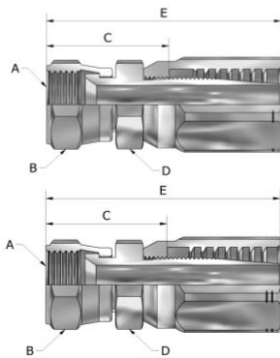


DER93 SERIES(Female Seal Lok O-Ring Face Seal 90° Elbow)

[LIST](#)


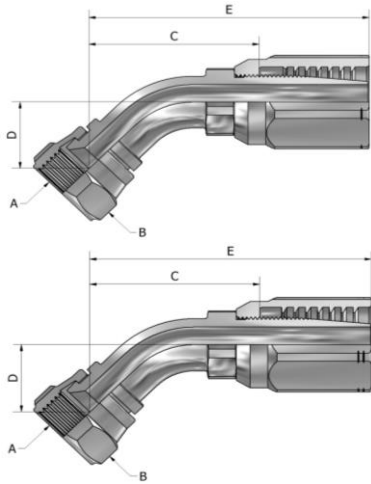
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DER93-09-04R1	1/4	9/16-18	17.5	0.69	28.7	1.13	21.1	0.83	57.5	2.26
DER93-09-04R2	1/4	9/16-18	17.5	0.69	29.6	1.13	21.1	0.83	62.9	2.26
DER93-11-06R1	3/8	11/16-16	22.0	0.87	38.9	1.53	23.0	0.91	68.9	2.71
DER93-11-06R2	3/8	11/16-16	22.0	0.87	38.2	1.50	23.0	0.91	69.2	2.72
DER93-13-08R1	1/2	13/16-16	23.8	0.94	41.1	1.62	29.0	1.14	77.0	3.03
DER93-13-08R2	1/2	13/16-16	23.8	0.94	41.8	1.65	29.0	1.14	76.5	3.01

DCR04 SERIES(Female JIC 37° Swivel Straight)

[LIST](#)


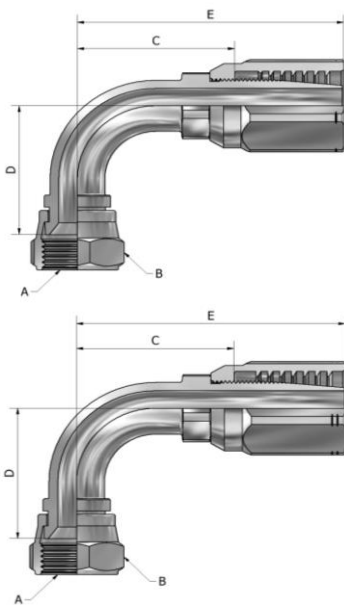
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DCR04-07-04R1	1/4	7/16-20	14.3	0.56	28.3	1.11	14.3	0.56	57.1	2.25
DCR04-07-04R2	1/4	7/16-20	14.3	0.56	29.1	1.15	14.3	0.56	62.5	2.46
DCR04-09-04R1	1/4	9/16-18	17.5	0.69	30.5	1.20	14.3	0.56	59.3	2.33
DCR04-09-04R2	1/4	9/16-18	17.5	0.69	31.4	1.24	14.3	0.56	64.7	2.55
DCR04-09-06R1	3/8	9/16-18	17.5	0.69	37.4	1.47	17.5	0.69	67.4	2.65
DCR04-09-06R2	3/8	9/16-18	17.5	0.69	36.7	1.44	17.5	0.69	67.7	2.67
DCR04-12-06R1	3/8	3/4-16	22.2	0.87	40.3	1.59	22.2	0.87	70.3	2.77
DCR04-12-06R2	3/8	3/4-16	22.2	0.87	39.6	1.56	22.2	0.87	70.6	2.78
DCR04-12-08R1	1/2	3/4-16	22.2	0.87	39.9	1.57	22.2	0.87	75.8	2.98
DCR04-12-08R2	1/2	3/4-16	22.2	0.87	40.6	1.60	22.2	0.87	75.3	2.96
DCR04-14-06R1	3/8	7/8-14	25.4	1.00	42.9	1.69	22.2	0.87	72.9	2.87
DCR04-14-06R2	3/8	7/8-14	25.4	1.00	42.2	1.66	22.2	0.87	73.2	2.88
DCR04-14-08R1	1/2	7/8-14	25.4	1.00	42.5	1.67	25.4	1.00	78.4	3.09
DCR04-14-08R2	1/2	7/8-14	25.4	1.00	43.2	1.70	25.4	1.00	77.9	3.07
DCR04-14-10R2	5/8	7/8-14	25.4	1.00	41.3	1.63	25.4	1.00	80.0	3.15
DCR04-17-08R1	1/2	1-1/16-12	31.8	1.25	43.9	1.73	27.0	1.06	79.8	3.14
DCR04-17-08R2	1/2	1-1/16-12	31.8	1.25	44.6	1.76	27.0	1.06	79.3	3.12
DCR04-17-12R1	3/4	1-1/16-12	31.8	1.25	45.6	1.80	31.8	1.25	87.4	3.44
DCR04-17-12R2	3/4	1-1/16-12	31.8	1.25	45.0	1.77	31.8	1.25	87.1	3.43
DCR04-21-12R1	3/4	1-5/16-12	38.1	1.50	48.0	1.89	38.1	1.50	89.8	3.54
DCR04-21-12R2	3/4	1-5/16-12	38.1	1.50	47.4	1.87	38.1	1.50	89.5	3.52
DCR04-21-16R1	1"	1-5/16-12	38.1	1.50	51.7	2.04	38.1	1.50	96.4	3.80
DCR04-21-16R2	1"	1-5/16-12	38.1	1.50	51.1	2.01	38.1	1.50	96.4	3.80

DCR44 SERIES(Female JIC 37° Swivel 45° Elbow)

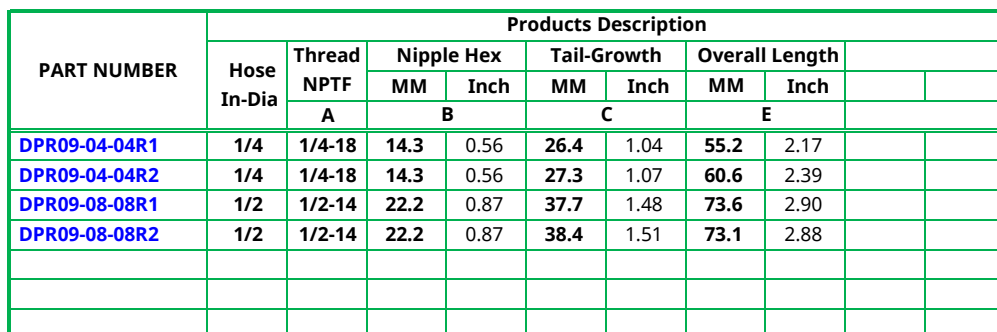
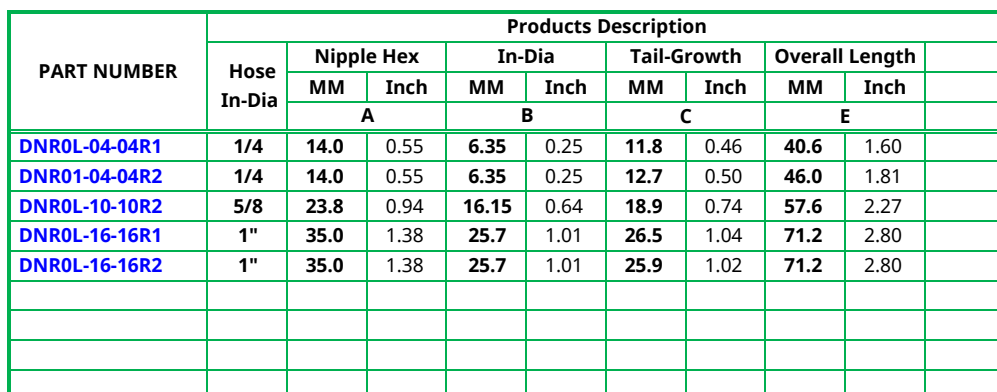
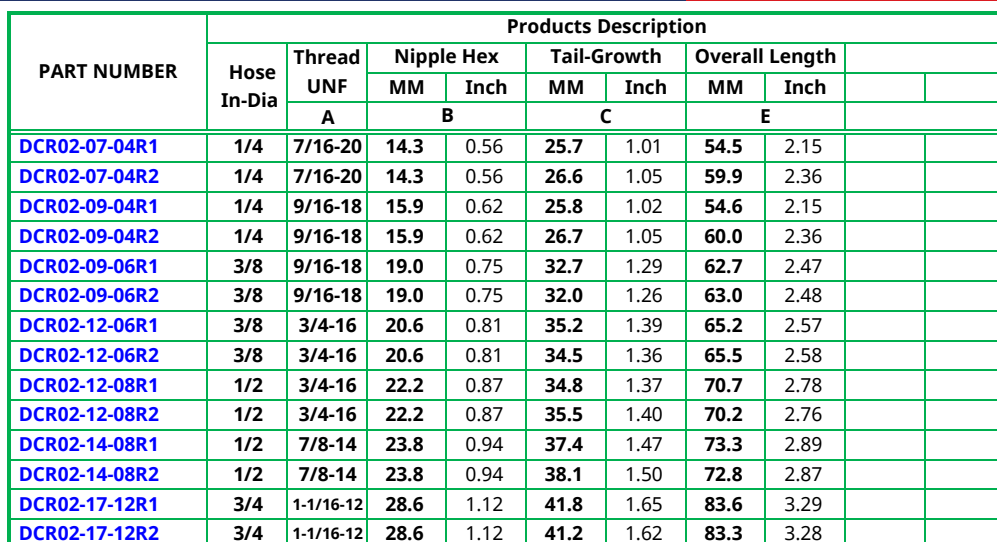
[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DCR44-07-04R1	1/4	7/16-20	14.3	0.56	30.4	1.20	10.0	0.39	59.2	2.33
DCR44-07-04R2	1/4	7/16-20	14.3	0.69	31.3	1.13	10.0	0.83	64.6	2.26
DCR44-09-04R1	1/4	9/16-18	17.5	0.69	31.4	1.24	11.0	0.43	60.2	2.37
DCR44-09-04R2	1/4	9/16-18	17.5	0.69	32.3	1.27	11.0	0.43	65.6	2.58
DCR44-09-06R1	3/8	9/16-18	17.5	0.69	39.3	1.55	11.0	0.43	69.3	2.73
DCR44-09-06R2	3/8	9/16-18	17.5	0.69	38.6	1.52	11.0	0.43	69.6	2.74
DCR44-12-06R1	3/8	3/4-16	22.2	0.87	42.3	1.67	14.0	0.55	72.3	2.85
DCR44-12-06R2	3/8	3/4-16	22.2	0.87	41.6	1.64	14.0	0.55	72.6	2.86
DCR44-12-08R1	1/2	3/4-16	22.2	0.87	46.0	1.81	15.0	0.59	81.9	3.22
DCR44-12-08R2	1/2	3/4-16	22.2	0.87	46.7	1.84	15.0	0.59	81.4	3.20
DCR44-14-08R1	1/2	7/8-14	25.4	1.00	48.0	1.89	17.0	0.67	83.9	3.30
DCR44-14-08R2	1/2	7/8-14	25.4	1.00	48.7	1.92	17.0	0.67	83.4	3.28
DCR44-17-12R1	3/4	1-1/16-12	31.8	1.25	75.0	2.95	27.0	1.06	116.8	4.60
DCR44-17-12R2	3/4	1-1/16-12	31.8	1.25	64.1	2.52	27.0	1.06	106.2	4.18
DCR44-21-16R1	1"	1-5/16-12	38.1	1.50	80.9	3.19	33.0	1.30	125.6	4.94
DCR44-21-16R2	1"	1-5/16-12	38.1	1.50	80.3	3.16	33.0	1.30	125.6	4.94

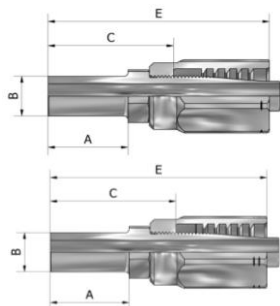
DCR94 SERIES(Female JIC 37° Swivel 45° Elbow)

[LIST](#)


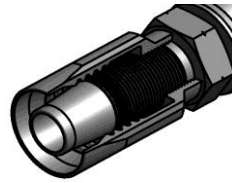
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DCR94-07-04R1	1/4	7/16-20	14.3	0.56	25.7	1.01	21.0	0.83	54.5	2.15
DCR94-07-04R2	1/4	7/16-20	14.3	0.69	26.6	1.13	21.0	0.83	59.9	2.26
DCR94-09-04R1	1/4	9/16-18	17.5	0.69	28.7	1.13	22.0	0.87	57.5	2.26
DCR94-09-04R2	1/4	9/16-18	17.5	0.69	29.6	1.17	22.0	0.87	62.9	2.48
DCR94-09-06R1	3/8	9/16-18	17.5	0.69	38.9	1.53	23.0	0.91	68.9	2.71
DCR94-09-06R2	3/8	9/16-18	17.5	0.69	38.2	1.50	23.0	0.91	69.2	2.72
DCR94-12-06R1	3/8	3/4-16	22.2	0.87	38.9	1.53	28.0	1.10	68.9	2.71
DCR94-12-06R2	3/8	3/4-16	22.2	0.87	38.2	1.50	28.0	1.10	69.2	2.72
DCR94-12-08R1	1/2	3/4-16	22.2	0.87	45.1	1.78	31.0	1.22	81.0	3.19
DCR94-12-08R2	1/2	3/4-16	22.2	0.87	45.8	1.80	31.0	1.22	80.5	3.17
DCR94-14-08R1	1/2	7/8-14	25.4	1.00	45.1	1.78	31.0	1.22	81.0	3.19
DCR94-14-08R2	1/2	7/8-14	25.4	1.00	45.8	1.80	31.0	1.22	80.5	3.17
DCR94-17-12R1	3/4	1-1/16-12	31.8	1.25	60.3	2.37	53.0	2.09	102.1	4.02
DCR94-17-12R2	3/4	1-1/16-12	31.8	1.25	59.7	2.35	53.0	2.09	101.8	4.01
DCR94-21-12R1	3/4	1-5/16-12	38.1	1.50	60.3	2.37	56.0	2.20	102.1	4.02
DCR94-21-12R2	3/4	1-5/16-12	38.1	1.50	59.7	2.35	56.0	2.20	101.8	4.01
DCR94-21-16R1	1"	1-5/16-12	38.1	1.50	70.2	2.76	70.0	2.76	114.9	4.52
DCR94-21-16R2	1"	1-5/16-12	38.1	1.50	69.6	2.74	70.0	2.76	114.9	4.52



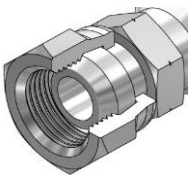
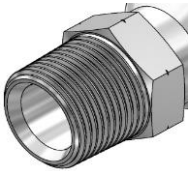
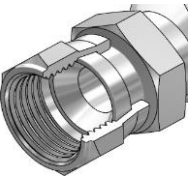
DNR0P SERIES(Male Standpipe Metric)

[illegible]

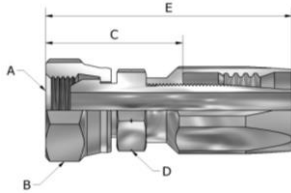
DH- R5 SERIES



Applicable hose			SAE	ISO	EN
			100R5/J1402 AII/J1527 R3/J1942	7840	

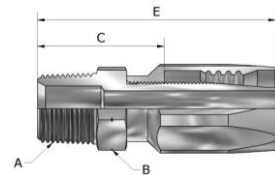
No	Code	Reference	Description	Specification	Thread	Shape			List
						Straight	45°	90°	
1	DPR5X5		P:Female BSP Parallel Pipe-Swivel-60° Cone M:JIS/BSP Female 60° Cone E:JIS/BSPP Female Swivel(BF)	JIS B 8363 BS 5200	PF	DPR505	X	X	
2	DPR5X1		P:MALE BSP TAPER PIPE-RIGID-60° CONE M:BSP Male Tapered E:BSP Male Tapered, BSPT(BT)	JIS B 8363	PT	DPR501	X	X	
3	DCR5X4		P:Female JIC 37° Swivel M:JIC Female 37° Cone Seat E:Female JIC/SAE 37° Swivel(FJ)	SAE J 514 SAE J 516 ISO 12151-5	UNF	DCR504	DCR544	DCR594	

DPR505 SERIES(BSP Female Straight)

[LIST](#)


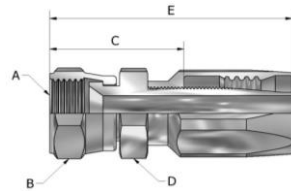
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DPR05-04-04	1/4	1/4-19	19.0	0.75	33.0	1.30	14.3	0.56	52.0	2.05
DPR05-06-06	3/8	3/8-19	22.0	0.87	39.5	1.56	17.5	0.69	62.5	2.46
DPR05-12-12	3/4	3/4-14	36.0	1.42	50.3	1.98	28.6	1.12	90.3	3.56

DPR501 SERIES(BSP Male Straight)

[LIST](#)


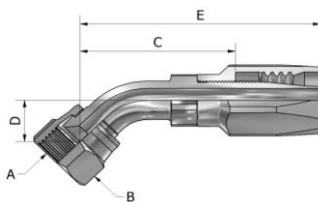
PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
DPR501-04-04	1/4	1/4-19	14.3	0.56	29.5	1.16	48.5	1.91		

DCR504 SERIES(Female JIC 37° Swivel Straight)

[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C	D	E				
DCR504-07-04	1/4	7/16-20	14.3	0.56	30.9	1.22	14.3	0.56	49.9	1.96
DCR504-09-06	3/8	9/16-18	17.5	0.69	34.2	1.35	17.5	0.69	57.2	2.25
DCR504-10-06	3/8	5/8-18	19.0	0.75	35.6	1.40	19.0	0.75	58.6	2.31
DCR504-12-06	3/8	3/4-16	22.2	0.87	40.1	1.58	22.2	0.87	63.1	2.48
DCR504-12-08	1/2	3/4-16	22.2	0.87	42.8	1.69	22.2	0.87	71.8	2.83
DCR504-14-08	1/2	7/8-14	25.4	1.00	45.4	1.79	25.4	1.00	74.4	2.93
DCR504-14-10	5/8	7/8-14	25.4	1.00	46.4	1.83	25.4	1.00	78.9	3.11
DCR504-14-12	3/4	7/8-14	25.4	1.00	46.9	1.85	25.4	1.00	86.9	3.42
DCR504-21-16	1"	1-5/16-12	38.0	1.50	48.5	1.91	38.0	1.50	80.5	3.17
DCR504-26-20	1-1/4	1-5/8-12	50.0	1.97	58.0	2.28	41.0	1.61	92.5	3.64
DCR504-30-24	1-1/2	1-7/8-12	55.0	2.17	60.6	2.39	46.0	1.81	97.6	3.84
DCR504-40-32	2"	2-1/2-12	73.0	2.87	84.5	3.33	63.5	2.50	131.0	5.16

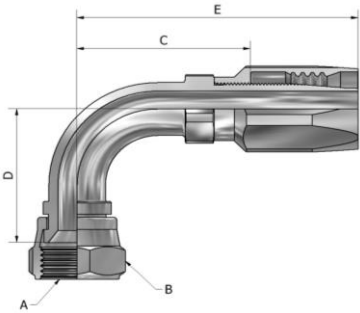
DCR544 SERIES(Female JIC 37° Swivel 45° Elbow)

[LIST](#)


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B	C		D		E		
DCR544-07-04	1/4	7/16-20	14.3	0.56	34.2	1.35	10.0	0.39	53.2	2.09
DCR544-09-06	3/8	9/16-18	17.5	0.69	39.8	1.57	11.0	0.43	62.8	2.47
DCR544-12-08	1/2	3/4-16	22.2	0.87	52.9	2.08	15.0	0.59	81.9	3.22
DCR544-26-20	1-1/4	1-5/8-12	50.0	1.97	103.1	4.06	45.0	1.77	137.6	5.42

DCR594 SERIES(Female JIC 37 ° Swivel 90 ° Elbow)

LIST

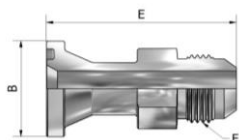


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
			A		B		C		D	
DCR594-07-04	1/4	7/16-20	14.3	0.56	29.5	1.16	21.0	0.83	48.5	1.91
DCR594-09-06	3/8	9/16-18	17.5	0.69	39.4	1.55	23.0	0.91	62.4	2.46
DCR594-12-08	1/2	3/4-16	22.2	0.87	49.0	1.93	31.0	1.22	78.0	3.07
DCR594-14-10	5/8	7/8-14	25.4	1.00	51.0	2.01	34.0	1.34	83.5	3.29
DCR594-17-12	3/4	1-1/16-12	31.8	1.25	64.3	2.53	53.0	2.09	104.3	4.11
DCR594-21-16	1"	1-5/16-12	38.1	1.50	67.0	2.64	70.0	2.76	99.0	3.90
DCR594-26-20	1-1/4	1-5/8-12	50.0	1.97	84.5	3.33	85.0	3.35	119.0	4.69

ACCESSORIES

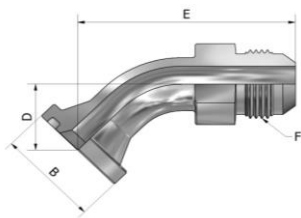
Applicable hose			SAE	ISO	EN				
No	Code	Reference	Description	Flange	Thread	Shape			List
						Straight	45°	90°	
1	DFCXS		CODE 61 FLANGE/37° FLARE ADAPTER	Code 61	UNF	DFC0S	DFC4S	DFC9S	
2	DFCXH		CODE 62 FLANGE/37° FLARE ADAPTER	Code 62	UNF	DFC0H	DFC4H	DFC9H	
3	DFEXH		CODE 62 FLANGE/MALE SEAL-LOK	Code 62	UNF	DFE0H	DFE4H	DFE9H	
4	DCCX4		MALE-FEMALE JIC 37° ELBOW	UNF	UNF	X	DCC44	DCC94	

DFC0S SERIES(CODE 61 FLANGE/37° FLARE ADAPTER)

[LIST](#)


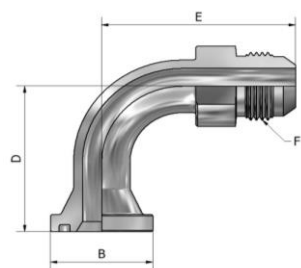
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Overall Length				Thread UNF
		MM	Inch	MM	Inch			
	A	B		E				F
DFC0S-12-12	3/4	38.1	1.50	62.8	2.47			3/4-16
DFC0S-12-14	3/4	38.1	1.50	65.0	2.56			7/8-14
DFC0S-12-17	3/4	38.1	1.50	71.0	2.80			1-1/16-12
DFC0S-16-17	1"	44.5	1.75	73.0	2.87			1-1/16-12
DFC0S-16-21	1"	44.5	1.75	76.1	3.00			1-5/16-12
DFC0S-16-26	1"	44.5	1.75	87.8	3.46			1-5/8-12
DFC0S-20-17	1-1/4	50.8	2.00	68.0	2.68			1-1/16-12
DFC0S-20-21	1-1/4	50.8	2.00	83.7	3.30			1-5/16-12
DFC0S-20-26	1-1/4	50.8	2.00	86.7	3.41			1-5/8-12
DFC0S-20-30	1-1/4	50.8	2.00	90.0	3.54			1-7/8-12
DFC0S-24-21	1-1/2	60.3	2.37	88.4	3.48			1-5/16-12
DFC0S-24-26	1-1/2	60.3	2.37	93.7	3.69			1-5/8-12
DFC0S-24-30	1-1/2	60.3	2.37	96.7	3.81			1-7/8-12
DFC0S-32-30	2"	71.4	2.81	100.1	3.94			1-7/8-12
DFC0S-32-40	2"	71.4	2.81	105.0	4.13			2-1/2-12

DFC4S SERIES(CODE 61 FLANGE/37° FLARE ADAPTER)

[LIST](#)


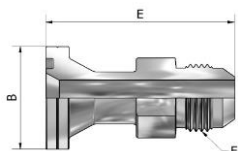
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Drop		Overall Length		Thread UNF
		MM	Inch	MM	Inch	MM	Inch	
	A	B		D		E		F
DFC4S-08-12	1/2	30.2	1.19	21.5	0.85	65.5	2.58	3/4-16
DFC4S-12-14	3/4	38.1	1.50	35.0	1.38	81.7	3.22	7/8-14
DFC4S-12-17	3/4	38.1	1.50	26.0	1.02	80.4	3.17	1-1/16-12
DFC4S-12-21	3/4	38.1	1.50	27.0	1.06	81.5	3.21	1-5/16-12
DFC4S-16-17	1"	44.5	1.75	26.0	1.02	80.4	3.17	1-1/16-12
DFC4S-16-21	1"	44.5	1.75	32.0	1.26	94.8	3.73	1-5/16-12
DFC4S-20-21	1-1/4	50.8	2.00	32.0	1.26	95.3	3.75	1-5/16-12
DFC4S-20-26	1-1/4	50.8	2.00	38.0	1.50	116.5	4.59	1-5/8-12
DFC4S-24-26	1-1/2	60.3	2.37	43.0	1.69	121.5	4.78	1-5/8-12
DFC4S-24-30	1-1/2	60.3	2.37	44.0	1.73	135.3	5.33	1-7/8-12
DFC4S-32-40	2"	71.4	2.81	49.7	1.96	164.2	6.46	2-1/2-12

DFC9S SERIES(CODE 61 FLANGE/37° FLARE ADAPTER)

[LIST](#)


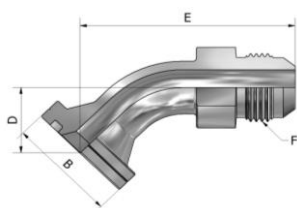
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Drop		Overall Length		Thread UNF
		MM	Inch	MM	Inch	MM	Inch	
	A	B		D		E		F
DFC9S-08-12	1/2	30.2	1.19	45.0	1.77	58.7	2.31	3/4-16
DFC9S-12-12	3/4	38.1	1.50	58.0	2.28	58.7	2.31	3/4-16
DFC9S-12-14	3/4	38.1	1.50	53.0	2.09	61.3	2.41	7/8-14
DFC9S-12-17	3/4	38.1	1.50	58.0	2.28	72.0	2.83	1-1/16-12
DFC9S-12-21	3/4	38.1	1.50	60.0	2.36	72.1	2.84	1-5/16-12
DFC9S-16-17	1"	44.5	1.75	58.0	2.28	72.0	2.83	1-1/16-12
DFC9S-16-21	1"	44.5	1.75	70.0	2.76	85.1	3.35	1-5/16-12
DFC9S-20-21	1-1/4	50.8	2.00	70.0	2.76	86.0	3.39	1-5/16-12
DFC9S-20-26	1-1/4	50.8	2.00	90.0	3.54	104.9	4.13	1-5/8-12
DFC9S-24-26	1-1/2	60.3	2.37	90.0	3.54	104.9	4.13	1-5/8-12
DFC9S-24-30	1-1/2	60.3	2.37	104.0	4.09	124.3	4.89	1-7/8-12
DFC9S-32-40	2"	71.4	2.81	120.0	4.72	161.4	6.35	2-1/2-12

DFC0H SERIES(CODE 62 FLANGE/37° FLARE ADAPTER)

[LIST](#)


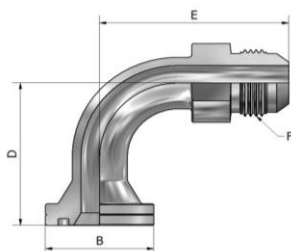
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Overall Length				Thread UNF
		MM	Inch	MM	Inch			
	A	B		E				F
DFC0H-12-17	3/4	41.3	1.63	71.0	2.80			1-1/16-12
DFC0H-16-17	1"	47.6	1.87	73.0	2.87			1-1/16-12
DFC0H-16-21	1"	47.6	1.87	76.1	3.00			1-5/16-12
DFC0H-16-26	1"	47.6	1.87	87.8	3.46			1-5/8-12
DFC0H-20-21	1-1/4	54.0	2.13	83.7	3.30			1-5/16-12
DFC0H-20-26	1-1/4	54.0	2.13	86.7	3.41			1-5/8-12
DFC0H-24-21	1-1/2	63.5	2.50	88.4	3.48			1-5/16-12
DFC0H-24-26	1-1/2	63.5	2.50	93.7	3.69			1-5/8-12
DFC0H-24-30	1-1/2	63.5	2.50	96.7	3.81			1-7/8-12
DFC0H-32-40	2"	79.4	3.13	105.0	4.13			2-1/2-12

DFC4H SERIES(CODE 62 FLANGE/37° FLARE ADAPTER)

[LIST](#)


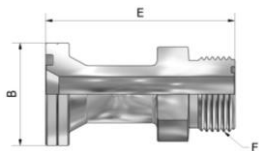
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Drop		Overall Length		Thread UNF
		MM	Inch	MM	Inch	MM	Inch	
	A	B		D		E		F
DFC4H-12-17	3/4	41.3	1.63	26.0	1.02	80.4	3.17	1-1/16-12
DFC4H-12-21	3/4	41.3	1.63	27.0	1.06	81.5	3.21	1-5/16-12
DFC4H-16-17	1"	47.6	1.87	26.0	1.02	80.4	3.17	1-1/16-12
DFC4H-16-21	1"	47.6	1.87	32.0	1.26	94.8	3.73	1-5/16-12
DFC4H-20-21	1-1/4	54.0	2.13	32.0	1.26	95.3	3.75	1-5/16-12
DFC4H-20-26	1-1/4	54.0	2.13	38.0	1.50	116.5	4.59	1-5/8-12
DFC4H-24-26	1-1/2	63.5	2.50	43.0	1.69	121.5	4.78	1-5/8-12
DFC4H-24-30	1-1/2	63.5	2.50	44.0	1.73	135.3	5.33	1-7/8-12

DFC9H SERIES(CODE 62 FLANGE/37° FLARE ADAPTER)

[LIST](#)


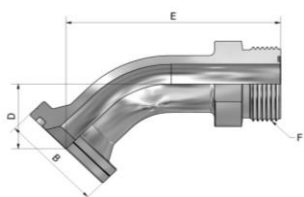
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Drop		Overall Length		Thread UNF
		MM	Inch	MM	Inch	MM	Inch	
	A	B		D		E		F
DFC9H-12-17	3/4	41.3	1.63	58.0	2.28	72.0	2.83	1-1/16-12
DFC9H-12-21	3/4	41.3	1.63	60.0	2.36	73.3	2.89	1-5/16-12
DFC9H-16-17	1"	47.6	1.87	58.0	2.28	72.0	2.83	1-1/16-12
DFC9H-16-21	1"	47.6	1.87	70.0	2.76	85.1	3.35	1-5/16-12
DFC9H-20-17	1-1/4	54.0	2.13	65.0	2.56	72.0	2.83	1-1/16-12
DFC9H-20-21	1-1/4	54.0	2.13	70.0	2.76	86.0	3.39	1-5/16-12
DFC9H-20-26	1-1/4	54.0	2.13	90.0	3.54	104.9	4.13	1-5/8-12
DFC9H-24-26	1-1/2	63.5	2.50	90.0	3.54	104.9	4.13	1-5/8-12
DFC9H-24-30	1-1/2	63.5	2.50	104.0	4.09	124.3	4.89	1-7/8-12
DFC9H-32-40	2"	79.4	3.13	124.0	4.88	161.4	6.35	2-1/2-12

DFE0H SERIES(CODE 62 FLANGE/MALE SEAL-LOK ADAPTER)

[LIST](#)


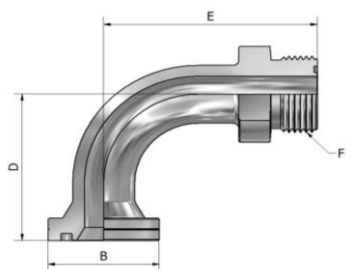
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Overall Length				Thread UNF
		MM	Inch	MM	Inch			
	A	B		E				F
DFE0H-12-19	3/4	41.3	1.63	71.0	2.80			1-3/16-12
DFE0H-12-23	3/4	41.3	1.63	76.1	3.00			1-7/16-12
DFE0H-16-23	1"	47.6	1.87	76.1	3.00			1-7/16-12
DFE0H-20-27	1-1/4	54.0	2.13	86.7	3.41			1-11/16-12

DFE4H SERIES(CODE 62 FLANGE/MALE SEAL-LOK ADAPTER)

[LIST](#)


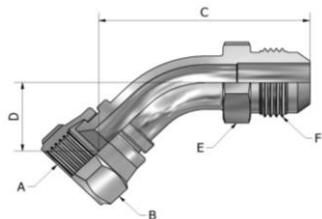
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Drop		Overall Length		Thread UNF
		MM	Inch	MM	Inch	MM	Inch	
	A	B		D		E		F
DFE4H-16-23	1"	47.6	1.87	32.0	1.26	99.3	3.91	1-7/16-12

DFE9H SERIES(CODE 62 FLANGE/MALE SEAL-LOK ADAPTER)

[LIST](#)


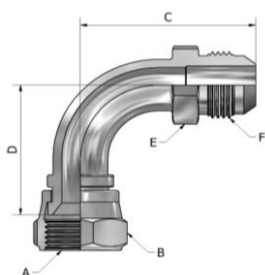
PART NUMBER	Products Description							
	Flange Size	Flange Dia		Drop		Overall Length		Thread UNF
		MM	Inch	MM	Inch	MM	Inch	
	A	B		D		E		F
DFE9H-12-19	3/4	41.3	1.63	58.0	2.28	79.2	3.12	1-3/16-12
DFE9H-12-23	3/4	41.3	1.63	70.0	2.76	90.7	3.57	1-7/16-12
DFE9H-16-23	1"	47.6	1.87	70.0	2.76	90.7	3.57	1-7/16-12
DFE9H-20-27	1-1/4	54.0	2.13	82.0	3.23	156.3	6.15	1-11/16-12

DCC44 SERIES(MALE - FEMALE SWIVEL JIC 37 ° FLARE 45 ° ELBOW)

[LIST](#)


PART NUMBER	Products Description									
	Thread UNF	Nut Hex		Overall Length		Drop		Nipple Hex		Thread UNF
	A	MM	Inch	MM	Inch	MM	Inch	MM	Inch	F
DCC44-07-07	7/16-20	14.3	0.56	40.7	1.60	10.0	0.39	14.3	0.56	7/16-20
DCC44-09-09	9/16-18	17.5	0.69	43.5	1.71	11.0	0.43	15.9	0.62	9/16-18
DCC44-12-12	3/4-16	22.2	0.87	52.9	2.08	15.0	0.59	20.6	0.81	3/4-16
DCC44-14-14	7/8-14	25.4	1.00	60.2	2.37	16.0	0.63	23.8	0.94	7/8-14
DCC44-17-17	1-1/16-12	31.8	1.25	77.6	3.06	27.0	1.06	28.6	1.12	1-1/16-12
DCC44-21-21	1-5/16-12	38.1	1.50	90.5	3.56	33.0	1.30	35.0	1.38	1-5/16-12
DCC44-26-26	1-5/8-12	50.0	1.97	116.7	4.59	45.0	1.77	42.9	1.69	1-5/8-12

DCC94 SERIES(MALE - FEMALE SWIVEL JIC 37 ° FLARE 90 ° ELBOW)

[LIST](#)


PART NUMBER	Products Description									
	Thread UNF	Nut Hex		Overall Length		Drop		Nipple Hex		Thread UNF
	A	MM	Inch	MM	Inch	MM	Inch	MM	Inch	F
DCC94-07-07	7/16-20	14.3	0.56	33.0	1.30	46.0	1.81	14.3	0.56	7/16-20
DCC94-07-07S	7/16-20	14.3	0.56	36.0	1.42	21.0	0.83	14.3	0.56	7/16-20
DCC94-09-09	9/16-18	17.5	0.69	37.1	1.46	55.0	2.17	15.9	0.62	9/16-18
DCC94-09-09D39.3	9/16-18	17.5	0.69	40.1	1.58	39.3	1.55	15.9	0.62	9/16-18
DCC94-09-09S	9/16-18	17.5	0.69	40.1	1.58	24.0	0.94	15.9	0.62	9/16-18
DCC94-12-12	3/4-16	22.2	0.87	43.7	1.72	62.0	2.44	20.6	0.81	3/4-16
DCC94-12-12D47.5	3/4-16	22.2	0.87	43.7	1.72	47.5	1.87	20.6	0.81	3/4-16
DCC94-12-12S	3/4-16	22.2	0.87	46.7	1.84	31.0	1.22	20.6	0.81	3/4-16
DCC94-14-14	7/8-14	25.4	1.00	52.3	2.06	65.0	2.56	23.8	0.94	7/8-14
DCC94-14-14D52.5	7/8-14	25.4	1.00	52.3	2.06	52.5	2.07	23.8	0.94	7/8-14
DCC94-14-14S	7/8-14	25.4	1.00	55.3	2.18	34.0	1.34	23.8	0.94	7/8-14
DCC94-17-17	1-1/16-12	31.8	1.25	67.0	2.64	95.0	3.74	28.6	1.12	1-1/16-12
DCC94-17-17D63.5	1-1/16-12	31.8	1.25	67.0	2.64	63.5	2.50	28.6	1.12	1-1/16-12
DCC94-17-17S	1-1/16-12	31.8	1.25	67.0	2.64	53.0	2.09	28.6	1.12	1-1/16-12
DCC94-21-21	1-5/16-12	38.1	1.50	78.1	3.07	107.0	4.21	35.0	1.38	1-5/16-12
DCC94-21-21S	1-5/16-12	38.1	1.50	78.1	3.07	70.0	2.76	35.0	1.38	1-5/16-12
DCC94-26-26	1-5/8-12	50.0	1.97	96.8	3.81	130.0	5.12	42.9	1.69	1-5/8-12
DCC94-26-26S	1-5/8-12	50.0	1.97	96.8	3.81	85.0	3.35	42.9	1.69	1-5/8-12
DCC94-30-30S	1-7/8-12	55.0	2.17	122.5	4.82	110.0	4.33	54.0	2.13	1-7/8-12

DAEHAN PRECISION INDUSTRY



**DAEHAN PRECISION
INDUSTRY CO., LTD.**

HEAD OFFICE : 1st foctory

#39, Eogokgongdan 4-gil, Yangsan-city, Gyeongsangnam-do, Korea

Tel +82-55-385-1815~7 **Fax** +82-55-385-1814

Maill daehan1990@daehsnfitting.com



**DAEHAN PRECISION
INDUSTRY CO., LTD.**

RETAIL SHOP : 2nd foctory

#1408 YangSan-daero, Yangsan-City, Gyeongsangnam-do, Korea

Tel +82-55-385-1810 **Fax** +82-55-385-1814

Maill dpi2017@daehanfitting.com