EMEA

Danfoss 1W series Spiral Hose Ends

Quick Reference

ENGINEERING TOMORROW

BF BSP 60° Cone Female Swivel (BF)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12BF12	-12	G 3/4"
1W16BF16	-16	G 1"
1W20BF20	-20	G 1 1/4"
1W24BF24	-24	G 1 1/2"
1W32BF32	-32	G 2"

BFA BSP 60° Cone Female Swivel (BFA)

45° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12BFA12	-12	G 3/4"
1W16BFA16	-16	G 1"
1W20BFA20	-20	G 1 1/4"
1W24BFA24	-24	G 1 1/2"
1W32BFA32.062	-32	G 2"

BFB BSP 60° Cone Female Swivel (BFB)

90° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12BFB12	-12	G 3/4"
1W16BFB16	-16	G 1"
1W20BFB20	-20	G 1 1/4"
1W24BFB24	-24	G 1 1/2"
1W32BFB32.147	-32	G 2"

BP BSP 60° Cone Male Parallel (BP)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12BP12	-12	G 3/4"- 14 CL-A
1W16BP16	-16	G 1"- 11 CL-A
1W20BP20	-20	G 1 1/4"- 11
1W24BP24	-24	G 1 1/2"- 11

CT CAT® Flange (CT)

Straight



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12CT12	-12	3/4"
1W16CT12	-12	1"
1W16CT16	-16	1"
1W20CT16	-16	1 1/4"
1W20CT20	-20	1 1/4"
1W24CT20	-20	1 1/2"
1W24CT24	-24	1 1/2"

CTA CAT® Flange (CTA)

45° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12CTA12	-12	3/4"
1W16CTA12	-12	1"
1W16CTA16	-16	1"
1W20CTA16	-16	1 1/4"
1W20CTA20	-20	1 1/4"
1W24CTA20	-20	1 1/2"
1W24CTA24	-24	1 1/2"

CTB CAT® Flange (CTB)

90° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12CTB12	-12	3/4"
1W16CTB12	-12	1"
1W16CTB16	-16	1"
1W20CTB16	-16	1 1/4"
1W20CTB20	-20	1 1/4"
1W24CTB20	-20	1 1/2"
1W24CTB24	-24	1 1/2"

FJ JIC 37° Female Swivel (FJ)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	in
1WW12FJ12	-12	1 1/16"- 12
1WW16FJ16	-16	1 5/16"- 12
1WW20FJ20	-20	1 5/8"- 12
1W24FJ24	-24	1 7/8"
1W32FJ32	-32	2 1/2"

FJA JIC 37° Female Swivel (FJA)

45° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12FJA12	-12	1 1/16"- 12
1W16FJA16	-16	1 5/16"- 12
1W20FJA20	-20	1 5/8"- 12
1W24FJA24	-24	1 7/8"- 12

FJB JIC 37° Female Swivel (FJB)

90° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12FJB12	-12	1 1/16"- 12
1W16FJB16	-16	1 5/16"- 12
1W20FJB20	-20	1 5/8"- 12
1W24FJB24	-24	1 7/8"- 12
1W32FJB32.141	-32	2 1/2"- 12

MJ JIC 37° Male (MJ)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12MJ12	-12	1 1/16"- 12
1W16MJ16	-16	1 5/16"- 12
1W20MJ20	-20	1 5/8"- 12
1W24MJ24	-24	1 7/8"- 12

DL DIN 24° DKO Light Female Swivel (DL)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W32DL20	-20	M45 x 2.0
1W40DL24	-24	M52 x 2.0

DLA DIN 24° DKO Light Female Swivel (DLA)

45° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W32DLA20	-20	M45 x 2.0
1W40DLA24	-24	M52 x 2.0

DLB DIN 24° DKO Light Female Swivel (DLB)

90° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W32DLB20.077	-20	M45 x 2.0
1W32DLB20.090	-20	M45 x 2.0
1W40DLB24	-24	M52 x 2.0

DK DIN 24° DKO Light Male (DK)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W32DK20	-20	M45 x 2.0

DS DIN 24° DKO Heavy Female Swivel (DS)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W16DS12	-12	M30 x 2.0
1W20DS12	-12	M36 x 2.0
1W20DS16	-16	M36 x 2.0
1W25DS16	-16	M42 x 2.0
1W32DS16	-16	M52 x 2.0
1W25DS20	-20	M42 x 2.0
1W32DS20	-20	M52 x 2.0
1W32DS24	-24	M52 x 2.0
1W40DS24	-24	M68 x 2.0

DSA DIN 24° DKO Heavy Female Swivel (DSA)

45° Elbow

Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W16DSA12.029	-12	M30 x 2.0
1W16DSA12.040	-12	M30 x 2.0
1W20DSA12	-12	M36 x 2.0
1W32DSA12	-12	M52 x 2.0
1W20DSA16.033	-16	M36 x 2.0
1W25DSA16	-16	M42 x 2.0
1W25DSA16.042	-16	M42 x 2.0
1W25DSA20	-20	M42 x 2.0
1W32DSA16.063	-16	M52 x 2.0
1W32DSA20.063	-20	M52 x 2.0
1W32DSA20	-20	M52 x 2.0
1W32DSA24	-24	M52 x 2.0

DSB DIN 24° DKO Heavy Female Swivel (DSB)

90° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W16DSB12	-12	M30 x 2.0
1W16DSB12.120	-12	M30 x 2.0
1W20DSB12	-12	M36 x 2.0
1W20DSB12.077	-12	M36 x 2.0
1W20DSB12.100	-12	M36 x 2.0
1W20DSB12.150	-12	M36 x 2.0
1W20DSB16	-16	M36 x 2.0
1W25DSB16	-16	M42 x 2.0
1W25DSB16.085	-16	M42 x 2.0
1W25DSB16.140	-16	M42 x 2.0
1W25DSB20.083	-20	M42 x 2.0
1W25DSB20.83V	-20	M42 x 2.0
1W32DSB20	-20	M52 x 2.0
1W32DSB24	-24	M52 x 2.0

EK DIN 24° DKO Heavy Male (EK)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	Metric
1W16EK12	-12	M30 x 2.0
1W20EK12	-12	M36 x 2.0
1W25EK16	-16	M42 x 2.0
1W32EK20	-20	M52 x 2.0

MP Male Pipe (MP)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12MP12	-12	3/4"- 14
1W16MP16	-16	1 - 11 1/2"

FR ORS Female Swivel (FR)

Straight



Part Number	Hose Size	Thread
1W part #	Dash size	in
1WW12FR12	-12	1 3/16"- 12
1WW16FR16	-16	1 7/16"- 12
1WW20FR20	-20	1 11/16"- 12

FRA ORS Female Swivel (FRA)

45° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12FRA12	-12	1 3/16"- 12
1W16FRA16	-16	1 7/16"- 12
1W20FRA20	-20	1 11/16"- 12

FRB ORS Female Swivel (FRB)

90° Elbow



Part Number	Hose Size	Thread
1W part #	Dash size	in
1W12FRB12	-12	1 3/16"- 12
1W16FRB16	-16	1 7/16"- 12
1W20FRB20	-20	1 11/16"- 12

FL SAE CODE 61 Flange (FL)

Straight



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12FL12	-12	3/4"
1W16FL12	-12	1"
1W16FL16	-16	1"
1W20FL16	-16	1 1/4"
1W20FL20	-20	1 1/4"
1W24FL20	-20	1 1/2"
1W24FL24	-24	1 1/2"
1W32FL24	-24	2"
1W32FL32	-32	2"
1W40FL32	-32	2 1/2"

FLA SAE CODE 61 Flange (FLA)

45° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12FLA12	-12	3/4"
1W16FLA16	-16	1"
1W20FLA16	-16	1 1/4"
1W20FLA20	-20	1 1/4"
1W20FLA20.045	-20	1 1/4"
1W24FLA24	-24	1 1/2"
1W24FLA24.035	-24	1 1/2"
1W24FLA24.085	-24	1 1/2"
1W32FLA24	-24	2"
1W32FLA32.054	-32	2"

FLB SAE CODE 61 Flange (FLB)

90° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12FLB12	-12	3/4"
1W16FLB12	-12	1"
1W16FLB16	-16	1"
1W20FLB16	-16	1 1/4"
1W20FLB16.097	-16	1 1/4"
1W16FLB20	-20	1"
1W20FLB20	-20	1 1/4"
1W20FLB20.075	-20	1 1/4"
1W20FLB20.150	-20	1 1/4"
1W24FLB20.086	-20	1 1/2"
1W24FLB24	-24	1 1/2"
1W24FLB24.150	-24	1 1/2"
1W32FLB24	-24	2"
1W32FLB32.134	-32	2"

FH SAE CODE 62 Flange (FH)

Straight



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12FH12	-12	3/4"
1W16FH12	-12	1"
1W12FH16	-16	3/4"
1W16FH16	-16	1"
1W20FH16	-16	1 1/4"
1W16FH20	-20	1"
1W20FH20	-20	1 1/4"
1W24FH20	-20	1 1/2"
1W20FH24	-24	1 1/4"
1W24FH24	-24	1 1/2"
1W32FH24	-24	2"
1W24FH32	-32	1 1/2"
1W32FH32	-32	2"

FHA SAE CODE 62 Flange (FHA)

45° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12FHA12	-12	3/4"
1W12FHA12.035	-12	3/4"
1W12FHA12.040	-12	3/4"
1W12FHA12.053	-12	3/4"
1W12FHA12.083	-12	3/4"
1W16FHA12	-12	1"
1W16FHA12.044	-12	1"
1W16FHA12.054	-22	1"
1W12FHA16.026	-16	3/4"
1W12FHA16.047	-16	3/4"
1W12FHA16.053	-16	3/4"
1W16FHA16	-16	1"
1W16FHA16.041	-16	1"
1W16FHA16.050	-16	1"
1W20FHA16	-16	1 1/4"
1W20FHA16.050	-16	1 1/4"
1W20FHA16.074	-16	1 1/4"
1W16FHA20.041	-20	1"
1W20FHA20	-20	1 1/4"
1W20FHA20.045	-20	1 1/4"
1W20FHA20.060	-20	1 1/4"
1W24FHA20.037	-20	1 1/2"
1W24FHA20.064	-20	1 1/2"
1W24FHA24.042	-24	1 1/2"
1W24FHA24.070	-24	1 1/2"
1W24FHA24.080	-24	1 1/2"
1W32FHA24.070	-24	2"
1W32FHA32.069	-32	2"

FHB SAE CODE 62 Flange (FHB)

90° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W12FHB12	-12	3/4"
1W12FHB12.058	-12	3/4"
1W12FHB12.068	-12	3/4"
1W12FHB12.086	-12	3/4"
1W12FHB12.108	-12	3/4"
1W12FHB12.150	-12	3/4"
1W16FHB12	-12	1"
1W16FHB12.086	-12	1"
1W16FHB12.102	-12	1"
1W16FHB12.140	-12	1"
1W20FHB12	-12	1 1/4"
1W12FHB16.068	-16	3/4"
1W12FHB16.078	-16	3/4"
1W12FHB16.086	-16	3/4"
1W12FHB16.110	-16	3/4"
1W12FHB16.130	-16	3/4"
1W12FHB16.150	-16	3/4"
1W16FHB16	-16	1"
1W16FHB16.061	-16	1"
1W16FHB16.075	-16	1"
1W16FHB16.080	-16	1"

FHB SAE Flange Code 62 (FHB)

90° Elbow



Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W16FHB16.086	-16	1"
1W16FHB16.100	-16	1"
1W16FHB16.110	-16	1"
1W16FHB16.120	-16	1"
1W16FHB16.130	-16	1"
1W16FHB16.140	-16	1"
1W16FHB16.150	-16	1"
1W16FHB16.175	-16	1"
1W16FHB16.180	-16	1"
1W16FHB16.260	-16	1"
1W16FHB16.270	-16	1"
1W16FHB16.280	-16	1"
1W16FHB16.320	-16	1"
1W16FHB16.414	-16	1"
1W20FHB16	-16	1 1/4"
1W20FHB16.074	-16	1 1/4"
1W20FHB16.100	-16	1 1/4"
1W20FHB16.120	-16	1 1/4"
1W20FHB16.180	-16	1 1/4"
1W20FHB16.260	-16	1 1/4"

FHB SAE Flange Code 62 (FHB)

90° Elbow

Part Number	Hose Size	Flange size
1W part #	Dash size	in
1W20FHB16.320	-16	1 1/4"
1W16FHB20.120	-20	1"
1W16FHB20	-20	1"
1W20FHB20	-20	1 1/4"
1W20FHB20.066	-20	1 1/4"
1W20FHB20.083	-20	1 1/4"
1W20FHB20.100	-20	1 1/4"
1W20FHB20.120	-20	1 1/4"
1W20FHB20.150	-20	1 1/4"
1W20FHB20.170	-20	1 1/4"
1W24FHB20	-20	1 1/2"
1W24FHB20.085	-20	1 1/2"
1W24FHB20.120	-20	1 1/2"
1W24FHB20.140	-20	1 1/2"
1W20FHB24.085	-24	1 1/4"
1W20FHB24.120	-24	1 1/4"
1W20FHB24.165	-24	1 1/4"
1W24FHB24	-24	1 1/2"
1W24FHB24.085	-24	1 1/2"
1W24FHB24.120	-24	1 1/2"
1W24FHB24.140	-24	1 1/2"
1W24FHB24.165	-24	1 1/2"
1W32FHB24.140	-24	2"
1W32FHB32.150	-32	2"

1W sockets

Sockets for 1W fittings

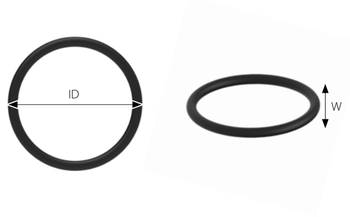
Part Number	Hose Size
1W part #	Dash size
1WA12	-12
1WA16	-16
1WA20	-20
1WA24	-24
1WA32	-32
1WB20	-20
1WB24	-24
1WB32	-32
1WD10	-10
1WD12	-12
1WD16	-16
1WE20	-20
1WC20	-20

1W sockets

Socket type by hose

Part Number	
Hose part #	Socket
EC600-12	1WD12
EC600-16	1WD16
EC600-20	1WE20
EC600-24	1WB24
EC600-32	1WB32
EC810-12	1WA12
EC810-16	1WA16
EC810-20	1WB20
EC810-24	1WB24
EC810-32	1WB32
EC850-10	1WD10
EC850-12	1WD12
EC850-16	1WD16
EC850-20	1WE20
EC910-12	1WA12
EC910-16	1WA16
GH466-20	1WB20
GH466-24	1WB24
GH466-32	1WB32
GH506-12	1WA12
GH506-16	1WA16
GH506-20	1WA20
GH506-24	1WA24
GH506-32	1WA32
GH507-20	1WC20

O-Rings for ISC type 1W fittings (-20, -24, -32)



Part Number	Hose Size	W	ID
		mm	mm
05.071-27.30x2.40	-20	2.40	27.30
05.071-32.99x2,62	-24	2.62	32.99
05.071-44.12x2.62	-32	2.62	44.12



Hose type: Spiral (**1W**) Hose Dash size: **-16**

Identified by "**1W-16**" marking on socket

1W Hose and fitting identification/matching system

Danfoss fitting part number provides user with an easy method to match the correct hose and hose fitting for assembly.

Example using fitting part number 1W16FJ16

1W 16 FJ 16

- Hose Fitting Series (1W)
- End Connection Size (-16)
- End Connection Code ("FJ" is a code JIC 37° Female Swivel)
- Hose Dash Size (-16)

© 2024 Danfoss 1W series Spiral Hose Ends EMEA - Quick Reference | 10.24