



GRENBERT



G80 SERIES

NON-SKIVE

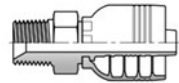
ONE-PIECE TYPE

4 SPIRAL WIRE HOSE

G80 SERIES

NPT

MP – Male



F3

JIC 37° FLARE

MJ – Male



F3

FJ – Female



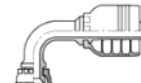
F4

FJ45 – Female 45° Elbow



F4

FJ90 – Female 90° Elbow



F5

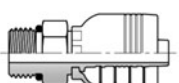
FJ90L – Female 90°
Elbow Long Drop



E6

SAE O-RING BOSS

MOB – Male



F7

O-RING FACE SEAL (ORFS)

MF – Male



F7

FF- Female



F8

FF45 – Female 45° Elbow



F8

FF90 – Female 90° Elbow



F9

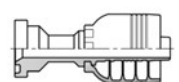
FF90 -Female 90° Elbow
Long Drop



F10

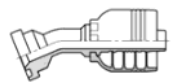
SAE CODE 61 FLANGE

FL



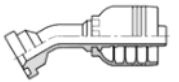
F11

FL22.5 – 22.5° Elbow



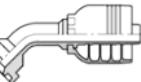
F11

FL30 – 30° Elbow



F12

FL45 – 45° Elbow



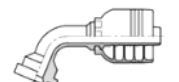
F12

FL60 – 60° Elbow



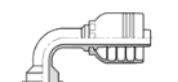
F13

FL66.5 – 66.5° Elbow



F13

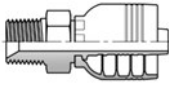
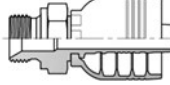
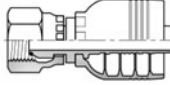
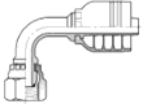
FL90 – 90° Elbow



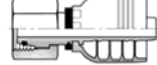
E14

G80 SERIES

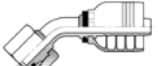
BRITISH PIPE THREAD

MT – BSPT Male	MB – BSPP Male	FB – BSPP Female	FBH – BSPP Female	FB45 – BSPP 45° Elbow
				
E15	F16	F16	F17	F17
FB90 – BSPP 90° Elbow				
				
F18				

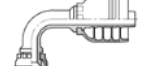
METRIC DIN 24° CONE L-SERIES

MDKOL – Male	FDKOL – Female	FDKOL45 – 45° Elbow	FDKOL90 – 90° Elbow
			
F18	F19	F20	F21

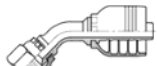
METRIC DIN 24° CONE S-SERIES

FDKOS – Female	FDKOS45 – 45° Elbow	FDKOS90 – 90° Elbow	FDKOS90 – 90° Elbow
			
F22	F22	F23	F24

METRIC 30° FLARE (KOMATSU)

FK – Female	FK45 – 45° Elbow	FK90 – 90° Elbow
		
F25	F25	F26

JAPAN 30° FLARE PARALLEL THREAD (JIS)

FJIS – Female	FJIS45 – 45° Elbow	FJIS90 – 90° Elbow
		
F26	F27	F27

MP MALE NPT

G80 Series

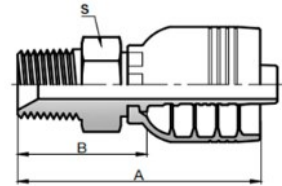
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm

G80-SERIES

G8006-06MP	3/8	9.5	3/8-18	55	28.5	19
G8006-08MP	3/8	9.5	1/2-14	60.5	34	22
G8008-06MP	1/2	12.7	3/8-18	58.6	30.5	22
G8008-08MP	1/2	12.7	1/2-14	63	35	22
G8012-08MP	3/4	19	1/2-14	72.5	38	27
G8012-12MP	3/4	19	3/4-14	72.5	38	27
G8012-16MP	3/4	19	1-11.5	80.5	45	35
G8016-16MP	1	25.4	1-11.5	92	47	35

MJ MALE JIC 37° FLARE

G80 Series

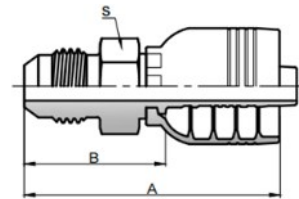
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-5



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm

G80-SERIES

G8006-06MJ	3/8	9.5	9/16x18	50	28	17
G8006-08MJ	3/8	9.5	3/4x16	58	32	19
G8006-10MJ	3/8	9.5	7/8x14	60	34	22
G8008-08MJ	1/2	12.7	3/4x16	61	33	22
G8008-10MJ	1/2	12.7	7/8x14	63	36	22
G8010-10MJ	5/8	15.9	7/8x14	67	37	24
G8008-12MJ	1/2	12.7	1.1/16x12	67	40	27
G8010-12MJ	5/8	15.9	1.1/16x12	73	40	27
G8012-12MJ	3/4	19	1.1/16x12	80.5	40	27
G8016-16MJ	1	25.4	1.5/16x12	85	47	35



FJ FEMALE JIC 37° FLARE SWIVEL (DOUBLE HEX)

G80 Series

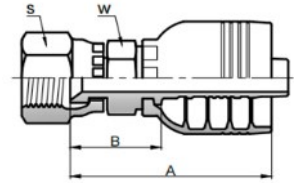
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickel

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-5



Part Number	Hose Size		Thread	A	B	W	S
	Inch	mm	Inch	mm	mm	mm	mm
G80-SERIES							
G8006-06FJ	3/8	9.5	9/16x18	48.5	22.5	17	19
G8006-08FJ	3/8	9.5	3/4x16	50.5	24.5	19	22
G8006-10FJ	3/8	9.5	7/8x14	53	26.5	22	27
G8008-08FJ	1/2	12.7	3/4x16	54	26	22	22
G8008-10FJ	1/2	12.7	7/8x14	55	27	22	27
G8010-10FJ	5/8	15.9	7/8x14	58	27	24	27
G8010-12FJ	5/8	15.9	1.1/16x12	61	30	27	32
G8012-12FJ	3/4	19	1.1/16x12	66.5	31	27	32
G8012-16FJ	3/4	19	1.5/16x12	70	35	32	38
G8016-16FJ	1	25.4	1.5/16x12	81	35	32	38

FJ45 FEMALE JIC 37° FLARE SWIVEL 45° ELBOW

G80 Series

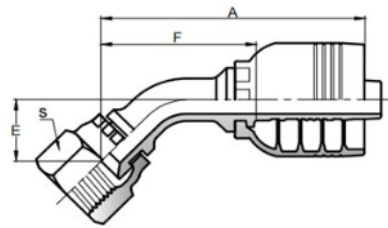
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickel

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-5



Part Number	Hose Size		Thread	A	E	S
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8006-06FJ45	3/8	9.5	9/16x18	68	15	42
G8006-08FJ45	3/8	9.5	3/4x16	72	19	46
G8006-10FJ45	3/8	9.5	7/8x14	76	20	50
G8008-08FJ45	1/2	12.7	3/4x16	80	18	52
G8008-10FJ45	1/2	12.7	7/8x14	80	19	52
G8010-10FJ45	5/8	15.9	7/8x14	91	21	60
G8010-12FJ45	5/8	15.9	1.1/16x12	91	21	60
G8012-12FJ45	3/4	19	1.1/16x12	106	25	72
G8012-16FJ45	3/4	19	1.5/16x12	106	25	72
G8016-16FJ45	1	25.4	1.5/16x12	137	30	91

FJ90 FEMALE JIC 37° FLARE SWIVEL 90° ELBOW

G80 Series

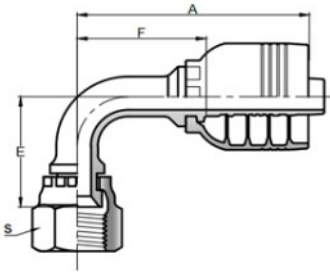
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-5



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

G8006-06FJ90	3/8	9.5	9/16x18	48.5	22.5	17	19
G8006-08FJ90	3/8	9.5	3/4x16	50.5	24.5	19	22
G8006-10FJ90	3/8	9.5	7/8x14	53	26.5	22	27
G8008-08FJ90	1/2	12.7	3/4x16	54	26	22	22
G8008-10FJ90	1/2	12.7	7/8x14	55	27	22	27
G8010-10FJ90	5/8	15.9	7/8x14	58	27	24	27
G8010-12FJ90	5/8	15.9	1.1/16x12	61	30	27	32
G8012-12FJ90	3/4	19	1.1/16x12	66.5	31	27	32
G8012-16FJ90	3/4	19	1.5/16x12	70	35	32	38
G8016-16FJ90	1	25.4	1.5/16x12	81	35	32	38

PART F
G80



FJ90L FEMALE JIC 37° FLARE SWIVEL 90° LBOW - LONG DROP

G80 Series

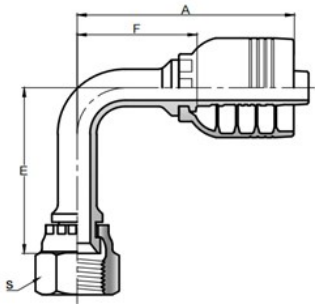
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-5



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm
G80-SERIES							
G8006-06FJ90-54	3/8	9.5	9/16x18	59	54	33	19
G8006-08FJ90-64	3/8	9.5	3/4x16	61	64	35	22
G8008-08FJ90-64	1/2	12.7	3/4x16	73	64	42	22
G8008-10FJ90-70	1/2	12.7	7/8x14	73	70	42	27
G8010-10FJ90-70	5/8	15.9	7/8x14	81	70	50	27
G8012-12FJ90-96	3/4	19	1.1/16x12	92	96	56	32
G8016-16FJ90-114	1	25.4	1.5/16x12	122	114	76	38

MOB MALE O-RING BOSS (ORB)

G80 Series

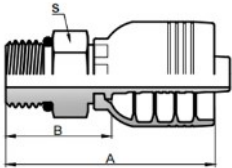
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / SAE J1926-2



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8006-06MOB	3/8	9.5	9/16x18	50	24	17
G8006-08MOB	3/8	9.5	3/4x16	53	27	22
G8008-08MOB	1/2	12.7	3/4x16	55	27	22
G8008-10MOB	1/2	12.7	7/8x14	58	30	27
G8010-10MOB	5/8	15.9	7/8x14	61	30	27
G8012-12MOB	3/4	19	1.1/16x12	70	35	32
G8016-16MOB	1	25.4	1.5/16x12	83	38	38

MF MALE O-RING FACE SEAL (ORFS)

G80 Series

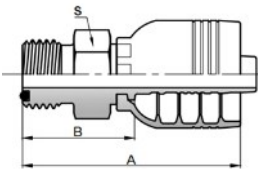
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-1



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8006-06MF	3/8	9.5	11/16x16	52.5	26	19
G8006-08MF	3/8	9.5	13/16x16	54.5	28	22
G8008-08MF	1/2	12.7	13/16x16	52	29	22
G8008-10MF	1/2	12.7	1x14	62.5	34.5	27
G8010-10MF	5/8	15.9	1x14	66.5	33.5	27
G8010-12MF	5/8	15.9	1.3/16x12	66	35	32
G8012-12MF	3/4	19	1.3/16x12	71.5	36	32
G8016-16MF	1	25.4	1.7/16x12	76	42	38



FF FEMALE O-RING FACE SEAL SWIVEL (ORFS)

G80 Series

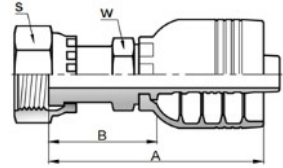
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-1



Part Number	Hose Size		Thread	A	B	W	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

G8006-06FF	3/8	9.5	11/16×16	58	32	19	22
G8006-08FF	3/8	9.5	13/16×16	60	34	19	24
G8008-08FF	1/2	12.7	13/16×16	65	37	22	24
G8008-10FF	1/2	12.7	1×14	68	40	24	30
G8010-10FF	5/8	15.9	1×14	74	40	24	30
G8010-12FF	5/8	15.9	1.3/16×12	77	43	27	36
G8012-12FF	3/4	19	1.3/16×12	78	44	27	36
G8016-16FF	1	25.4	1.7/16×12	94	48	35	41

FF45 FEMALE O-RING FACE SEAL SWIVEL 45° ELBOW (ORFS)

G80 Series

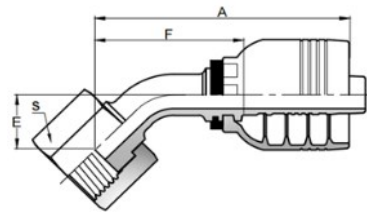
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-1



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

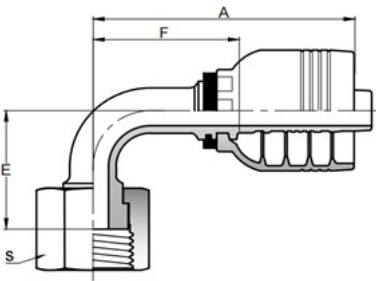
G8006-06FF45	3/8	9.5	11/16×16	69	12	43	22
G8006-08FF45	3/8	9.5	13/16×16	69	15	43	24
G8008-08FF45	1/2	12.7	13/16×16	80	15	52	24
G8008-10FF45	1/2	12.7	1×14	80	17.5	52	30
G8010-10FF45	5/8	15.9	1×14	94	17.5	63	30
G8010-12FF45	5/8	15.9	1.3/16×12	94	21	63	36
G8012-12FF45	3/4	19	1.3/16×12	108	22	74	36
G8016-16FF45	1	25.4	1.7/16×12	136	25	90	41

FF90 FEMALE O-RING FACE SEAL SWIVEL 90° ELBOW (ORFS)

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: SAE J516 / ISO 12151-1



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm
G80-SERIES							
G8006-06FF90	3/8	9.5	11/16×16	62	24.5	36	22
G8006-08FF90	3/8	9.5	13/16×16	62	29	36	24
G8008-08FF90	1/2	12.7	13/16×16	73	29	45	24
G8008-10FF90	1/2	12.7	1×14	73	34	45	30
G8010-10FF90	5/8	15.9	1×14	83	36	52	30
G8010-12FF90	5/8	15.9	1.3/16×12	81	42	52	36
G8012-12FF90	3/4	19	1.3/16×12	98	48	64	36
G8016-16FF90	1	25.4	1.7/16×12	122	57	76	41

PART F
G80



FF90L FEMALE O-RING FACE SEAL SWIVEL 90° ELBOW - LONG DROP (ORFS)

G80 Series

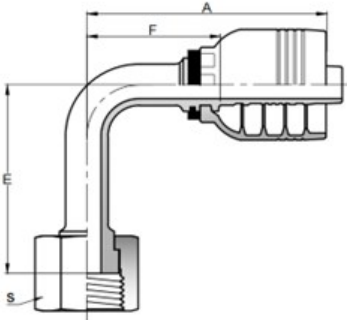
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-1



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm					

G80-SERIES

G8006-06FF90-54	3/8	9.5	11/16×16	62	54	36	22
G8006-08FF90-64	3/8	9.5	13/16×16	62	64	36	24
G8008-08FF90-64	1/2	12.7	13/16×16	73	64	45	24
G8008-10FF90-70	1/2	12.7	1×14	73	70	45	30
G8010-10FF90-70	5/8	15.9	1×14	80	70	48	30
G8010-12FF90-96	5/8	15.9	1.3/16×12	80	96	48	36
G8012-12FF90-96	3/4	19	1.3/16×12	98	96	64	36
G8016-16FF90-114	1	25.4	1.7/16×12	122	114	76	41

PART F
G80

FL SAE CODE 61 O-RING FLANGE

G80 Series

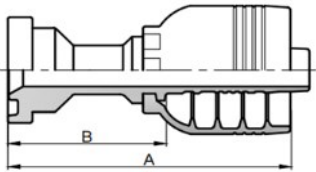
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-3



Part Number	Hose Size		Flange		A	B
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8008-08FL	1/2	12.7	1/2	30.2	70	42
G8008-12FL	1/2	12.7	3/4	38.1	73	45
G8010-10FL	5/8	15.9	5/8	34	75	44
G8010-12FL	5/8	15.9	3/4	38.1	75	44
G8012-12FL	3/4	19	3/4	38.1	84.5	49
G8012-16FL	3/4	19	1	44.5	90.5	54
G8016-16FL	1	25.4	1	44.5	104	59
G8016-20FL	1	25.4	1.1/4	50.8	104	59

FL22.5 SAE CODE 61 O-RING FLANGE 22.5° ELBOW

G80 Series

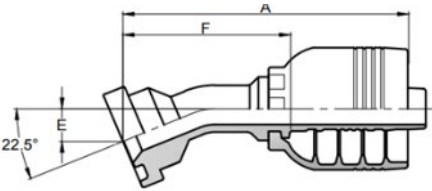
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-3



Part Number	Hose Size		Flange		A	E	F
	Inch	mm	Inch	mm	mm	mm	mm
G80-SERIES							
G8012-12FL22.5	3/4	19	3/4	38.1	106	11	72
G8012-16FL22.5	3/4	19	1	44.5	110	14	76
G8016-16FL22.5	1	25.4	1	44.5	132	14	86
G8016-20FL22.5	1	25.4	1.1/4	50.8	137	15	91



FL30 SAE CODE 61 O-RING FLANGE 30° ELBOW

G80 Series

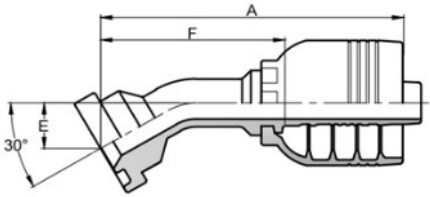
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickel

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-3



Part Number	Hose Size		Flange		A	E	F
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

G8012-12FL30	3/4	19	3/4	38.1	104	18	70
G8016-16FL30	1	25.4	1	44.5	135	19	90

FL45 SAE CODE 61 O-RING FLANGE 45° ELBOW

G80 Series

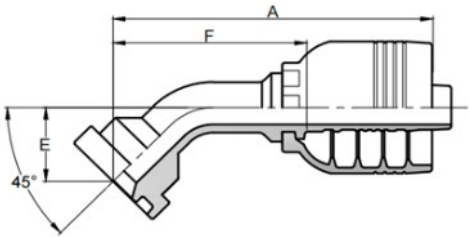
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickel

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-3



Part Number	Hose Size		Flange		A	E	F
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

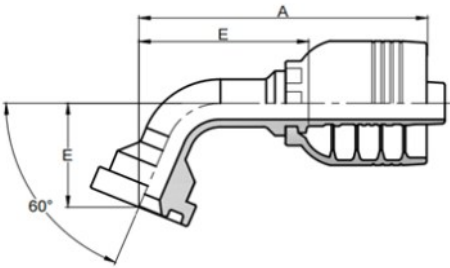
G8008-08FL45	1/2	12.7	1/2	30.2	83	20	55
G8008-12FL45	1/2	12.7	3/4	38.1	88	22	60
G8010-10FL45	5/8	15.9	5/8	34	91	22.5	60
G8010-12FL45	5/8	15.9	3/4	38.1	91	23	60
G8012-12FL45	3/4	19	3/4	38.1	104	24	70
G8012-16FL45	3/4	19	1	44.5	104	26	70
G8016-16FL45	1	25.4	1	44.5	130	30	85
G8016-20FL45	1	25.4	1.1/4	50.8	133	30	88

FL60 SAE CODE 61 O-RING FLANGE 60° ELBOW

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: SAE J516 / ISO 12151-3



G80-SERIES

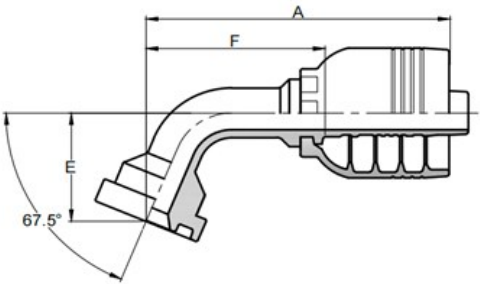
Part Number	Hose Size		Flange		A	E	F
	Inch	mm	Inch	mm	mm	mm	mm
G8012-12FL60	3/4	19	3/4	38.1	108	37	74
G8016-16FL60	1	25.4	1	44.5	132	44	86

FL67.5 SAE CODE 61 O-RING FLANGE 67.5° ELBOW

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: SAE J516 / ISO 12151-3



G80-SERIES

Part Number	Hose Size		Flange		A	E	F
	Inch	mm	Inch	mm	mm	mm	mm
G8012-12FL67.5	3/4	19	3/4	38.1	102	38	68
G8012-16FL67.5	3/4	19	1	44.5	104	40	70
G8016-16FL67.5	1	25.4	1	44.5	127	46	82
G8016-20FL67.5	1	25.4	1.1/4	50.8	132	51	86



FL SAE CODE 61 O-RING FLANGE 90° ELBOW

G80 Series

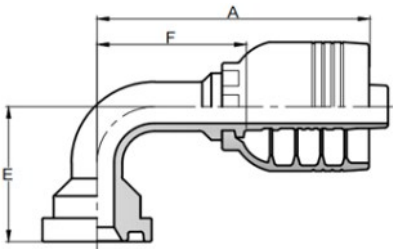
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: SAE J516 / ISO 12151-3



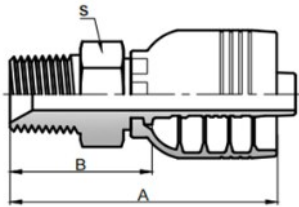
Part Number	Hose Size		Flange		A	E	F
	Inch	mm	Inch	mm	mm	mm	mm
G80-SERIES							
G8008-08FL90	1/2	12.7	1/2	30.2	69	38	41
G8008-12FL90	1/2	12.7	3/4	38.1	71	40	43
G8010-10FL90	5/8	15.9	5/8	34	80	44	49
G8010-12FL90	5/8	15.9	3/4	38.1	80	45	49
G8012-12FL90	3/4	19	3/4	38.1	92	50	58
G8012-16FL90	3/4	19	1	44.5	92	52	58
G8016-16FL90	1	25.4	1	44.5	117	62	72
G8016-20FL90	1	25.4	1.1/4	50.8	117	63	72

MT MALE BSP TAPER 60° CONE (BSPT)

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: SAE JIS B8363



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8006-04MT	3/8	9.5	1/4-19	52	26	17
G8006-06MT	3/8	9.5	3/8-19	55	28.5	19
G8006-08MT	3/8	9.5	1/2-14	60.5	34	22
G8008-06MT	1/2	12.7	3/8-19	58.5	30.5	22
G8008-08MT	1/2	12.7	1/2-14	63	35	22
G8012-08MT	3/4	19	1/2-14	72.5	38	27
G8012-12MT	3/4	19	3/4-14	72.5	38	27
G8012-16MT	3/4	19	1-11	80.5	45	35
G8016-16MT	1	25.4	1-11	90	47	35



MB MALE BSP PARALLEL 60° CONE (BSPP)

G80 Series

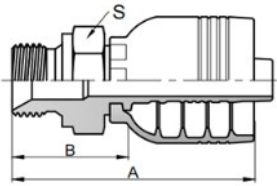
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-6



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8006-06MB	3/8	9.5	3/8-19	55	29	22
G8008-08MB	1/2	12.7	1/2-14	61	33	27
G8010-10MB	5/8	15.9	5/8-14	67	36	30
G8012-12MB	3/4	19	3/4-14	71.5	37	32
G8016-16MB	2	50.8	2-11	88	43	41

FB FEMALE BSP PARALLEL 60° CONE SWIVEL (BSPP SINGLE HEX)

G80 Series

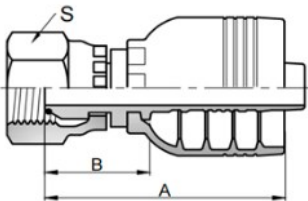
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-6



Part Number	Hose Size		Thread	A	B	S
	Inch	mm	Inch	mm	mm	mm
G80-SERIES						
G8006-06FB	3/8	9.5	3/8-19	47	20	22
G8008-08FB	1/2	12.7	1/2-14	50	23	27
G8010-10FB	5/8	15.9	5/8-14	53	23	30
G8012-12FB	3/4	19	3/4-14	62	26	32
G8016-16FB	1	25.4	1-11	76	31	41

FBH FEMALE BSP PARALLEL 60° CONE SWIVEL (BSPP DOUBLE HEX)

G80 Series

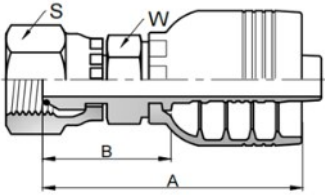
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-6



Part Number	Hose Size		Thread	A	B	W	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

G8006-06FBH	3/8	9.5	3/8-19	52.5	26	19	22
G8008-08FBH	1/2	12.7	1/2-14	58	30	22	27
G8010-10FBH	5/8	15.9	5/8-14	63	32	24	30
G8012-12FBH	3/4	19	3/4-14	70	36	27	32
G8016-16FBH	2	50.8	2-11	84	39	32	41

FB45 FEMALE BSP PARALLEL 60° CONE SWIVEL 45° ELBOW (BSPP)

G80 Series

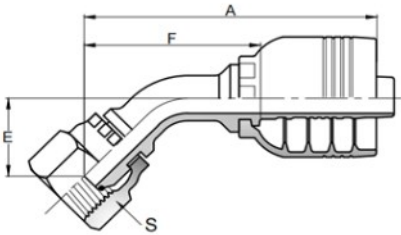
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-6



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

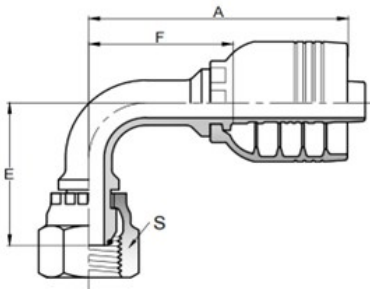
G8006-06FB45	3/8	9.5	3/8-19	73.5	18	47	22
G8008-08FB45	1/2	12.7	1/2-14	84	20.5	53	27
G8010-10FB45	5/8	15.9	5/8-14	91	24.5	60	30
G8012-12FB45	3/4	19	3/4-14	104	27	70	32
G8016-16FB45	1	25.4	1-11	132	33	87	41

FB90 FEMALE BSP PARALLEL SWIVEL 60° CONE 90° ELBOW (BSPP)

G80 Series

Features

One-Piece, Non-Skive Design
Coating Option: Zinc Nickle
Design for 4SP AND SAE100R12
Specification: ISO 12151-6



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

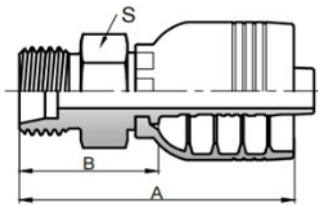
G8006-06FB90	3/8	9.5	3/8-19	52.5	26	19	22
G8008-08FB90	1/2	12.7	1/2-14	58	30	22	27
G8010-10FB90	5/8	15.9	5/8-14	63	32	24	30
G8012-12FB90	3/4	19	3/4-14	70	36	27	32
G8016-16FB90	2	50.8	2-11	84	39	32	41

MDKOL MALE DIN - L METRIC 24° CONE SWIVEL

G80 Series

Features

One-Piece, Non-Skive Design
Coating Option: Zinc Nickle
Design for 4SP AND SAE100R12
Specification: ISO 12151-2



Part Number	Hose Size		Thread	Tube	A	B	S
	Inch	mm	metric	mm	mm	mm	mm

G80-SERIES

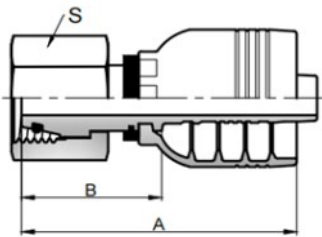
G8006-10MDKOL	3/8	9.5	M16x1.5	10	51	25	17
G8006-12MDKOL	3/8	9.5	M18x1.5	12	52	26	19
G8006-15MDKOL	3/8	9.5	M22x1.5	15	53	27	24
G8008-15MDKOL	1/2	12.7	M22x1.5	15	57	29	24
G8008-18MDKOL	1/2	12.7	M26x1.5	18	57	29	27
G8010-18MDKOL	5/8	15.9	M26x1.5	18	60	29	27
G8012-22MDKOL	3/4	19	M30x2.0	22	68.5	34	32
G8016-28MDKOL	1	25.4	M36x2.0	28	81	36	41

FDKOL FEMALE DIN - L METRIC 24° CONE SWIVEL

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: ISO 12151-2



Part Number	Hose Size		Thread	Tube	A	B	S
	Inch	mm	metric	mm	mm	mm	mm

G80-SERIES

G8006-10FDKOL	3/8	9.5	M16x1.5	10	51	25	19
G8006-12FDKOL	3/8	9.5	M18x1.5	12	53	27	22
G8006-15FDKOL	3/8	9.5	M22x1.5	15	52	26	27
G8008-12FDKOL	1/2	12.7	M18x1.5	12	53	25	22
G8008-15FDKOL	1/2	12.7	M22x1.5	15	55	27	27
G8008-18FDKOL	1/2	12.7	M26x1.5	18	57	29	32
G8010-18FDKOL	5/8	15.9	M26x1.5	18	63	30	32
G8010-22FDKOL	5/8	15.9	M30x2.0	22	68	36	36
G8012-18FDKOL	3/4	19	M26x1.5	18	63	28	32
G8012-22FDKOL	3/4	19	M30x2.0	22	68.5	34	36
G8012-28FDKOL	3/4	19	M36x2.0	28	69.5	35	41
G8016-28FDKOL	1	25.4	M36x2.0	28	79	44	41



FDKOL45 FEMALE DIN-L METRIC 24° CONE SWIVEL 45° ELBOW

G80 Series

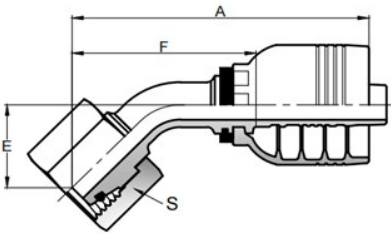
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-6



Part Number	Hose Size		Thread	Tube	A	E	F	S
	Inch	mm	metric	mm	mm	mm	mm	mm
G80-SERIES								
G8006-10FDKOL45	3/8	9.5	M16x1.5	10	76.5	19	50	19
G8006-12FDKOL45	3/8	9.5	M18x1.5	12	74.5	18.5	48	22
G8006-15FDKOL45	3/8	9.5	M22x1.5	15	76.5	20	50	27
G8008-12FDKOL45	1/2	12.7	M18x1.5	12	82	21.5	54	22
G8008-15FDKOL45	1/2	12.7	M22x1.5	15	84	20	56	27
G8008-18FDKOL45	1/2	12.7	M26x1.5	18	84	22	56	32
G8010-18FDKOL45	5/8	15.9	M26x1.5	18	94	23.5	63	32
G8010-22FDKOL45	5/8	15.9	M30x2.0	22	101	26	70	36
G8012-18FDKOL45	3/4	19	M26x1.5	18	109	27	75	32
G8012-22FDKOL45	3/4	19	M30x2.0	22	109	26.5	75	36
G8012-28FDKOL45	3/4	19	M36x2.0	28	110	29	76	41
G8016-28FDKOL45	1	25.4	M36x2.0	28	136	32	90	41

FDKOL90 FEMALE DIN-L METRIC 24° CONE SWIVEL 90° ELBOW

G80 Series

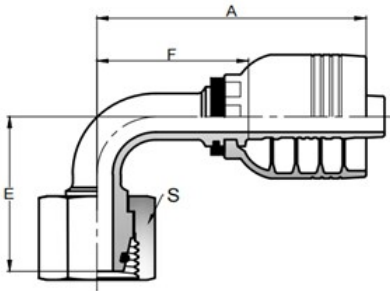
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-2



Part Number	Hose Size		Thread	Tube	A	E	F	S
	Inch	mm	metric	mm	mm	mm	mm	mm

G80-SERIES

G8006-10FDKOL90	3/8	9.5	M16x1.5	10	62	35	36	19
G8006-12FDKOL90	3/8	9.5	M18x1.5	12	66	34	40	22
G8006-15FDKOL90	3/8	9.5	M22x1.5	15	66	36	40	27
G8008-12FDKOL90	1/2	12.7	M18x1.5	12	73	43	45	22
G8008-15FDKOL90	1/2	12.7	M22x1.5	15	75	40	47	27
G8008-18FDKOL90	1/2	12.7	M26x1.5	18	77	43	49	32
G8010-18FDKOL90	5/8	15.9	M26x1.5	18	83	45	52	32
G8010-22FDKOL90	5/8	15.9	M30x2.0	22	87	50	56	36
G8012-18FDKOL90	3/4	19	M26x1.5	18	94	54	60	32
G8012-22FDKOL90	3/4	19	M30x2.0	22	94	54	60	36
G8012-28FDKOL90	3/4	19	M36x2.0	28	94	57	60	41
G8016-28FDKOL90	1	25.4	M36x2.0	28	128	65	82	41

PART F
G80



MDKOS MALE DIN-S METRIC 24° CONE SWIVEL

G80 Series

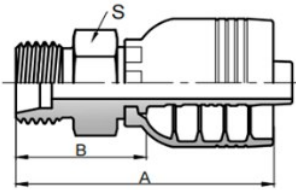
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-2



Part Number	Hose Size		Thread	Tube	A	B	S
	Inch	mm					

G80-SERIES

G8006-12MDKOS	3/8	9.5	M20x1.5	12	53	27	22
G8006-14MDKOS	3/8	9.5	M22x1.5	14	56	30	24
G8008-14MDKOS	1/2	12.7	M22x1.5	14	58	30	24
G8008-16MDKOS	1/2	12.7	M24x1.5	16	59	31	27
G8010-20MDKOS	5/8	15.9	M30x2.0	20	67	36	32
G8012-20MDKOS	3/4	19	M30x2.0	20	72.5	37	32
G8012-25MDKOS	3/4	19	M36x2.0	25	76	41	41
G8016-25MDKOS	1	25.4	M36x2.0	25	86	43	41
G8016-30MDKOS	1	25.4	M42x2.0	30	89	44	55

FDKOS FEMALE DIN-S METRIC 24° CONE SWIVEL

G80 Series

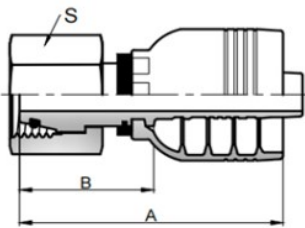
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-2



Part Number	Hose Size		Thread	Tube	A	B	S
	Inch	mm					

G80-SERIES

G8006-12FDKOS	3/8	9.5	M20x1.5	12	53	27	27
G8006-14FDKOS	3/8	9.5	M22x1.5	14	53	27	27
G8008-14FDKOS	1/2	12.7	M22x1.5	14	55	27	27
G8008-16FDKOS	1/2	12.7	M24x1.5	16	57	29	30
G8010-20FDKOS	5/8	15.9	M30x2.0	20	67	36	36
G8012-20FDKOS	3/4	19	M30x2.0	20	68.5	33	36
G8012-25FDKOS	3/4	19	M36x2.0	25	70.5	35	46
G8016-25FDKOS	1	25.4	M36x2.0	25	82	37	46
G8016-30FDKOS	1	25.4	M42x2.0	30	82	37	50

FDKOS45 FEMALE DIN-S METRIC 24° CONE SWIVEL 45° ELBOW

G80 Series

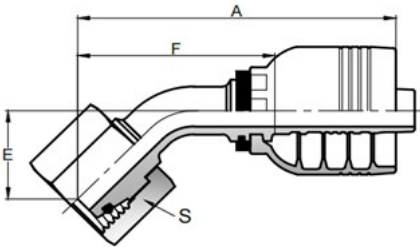
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: ISO 12151-2



Part Number	Hose Size		Thread	Tube	A	E	F	S
	Inch	mm	metric	mm	mm	mm	mm	mm
G80-SERIES								
G8006-12FDKOS45	3/8	9.5	M20x1.5	12	74.5	18.5	48	27
G8006-14FDKOS45	3/8	9.5	M22x1.5	14	76.5	20	50	27
G8008-14FDKOS45	1/2	12.7	M22x1.5	14	84	20	56	27
G8008-16FDKOS45	1/2	12.7	M24x1.5	16	84	21	56	30
G8010-20FDKOS45	5/8	15.9	M30x2.0	20	101	26	70	36
G8012-20FDKOS45	3/4	19	M30x2.0	20	109	27.5	75	36
G8012-25FDKOS45	3/4	19	M36x2.0	25	110	29	76	46
G8016-25FDKOS45	1	25.4	M36x2.0	25	135	33	90	46
G8016-30FDKOS45	1	25.4	M42x2.0	30	140	35	95	50

PART F
G80

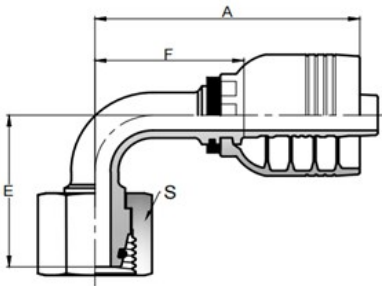


FDKOS90 FEMALE DIN-S METRIC 24° CONE SWIVEL 90° ELBOW

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: ISO 12151-2



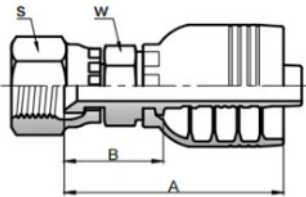
Part Number	Hose Size		Thread	Tube	A	E	F	S
	Inch	mm	metric	mm	mm	mm	mm	mm
G80-SERIES								
G8006-12FDKOS90	3/8	9.5	M20x1.5	12	66.5	34	40	27
G8006-14FDKOS90	3/8	9.5	M22x1.5	14	66.5	36	40	27
G8008-14FDKOS90	1/2	12.7	M22x1.5	14	75	40	47	27
G8008-16FDKOS90	1/2	12.7	M24x1.5	16	76	43	48	30
G8010-20FDKOS90	5/8	15.9	M30x2.0	20	83	50	52	36
G8012-20FDKOS90	3/4	19	M30x2.0	20	94	56	60	36
G8012-25FDKOS90	3/4	19	M36x2.0	25	94	57	60	46
G8016-25FDKOS90	1	25.4	M36x2.0	25	128	67	83	46
G8016-30FDKOS90	1	25.4	M42x2.0	30	128	70	83	50

FK FEMALE METRIC 30° FLARE SWIVEL (KOMATSU)

G80 Series

Features

One-Piece, Non-Skive Design
Coating Option: Zinc Nickle
Design for 4SP AND SAE100R12



Part Number	Hose Size		Thread	A	B	W	S
	Inch	mm	metric	mm	mm	mm	mm

G80-SERIES

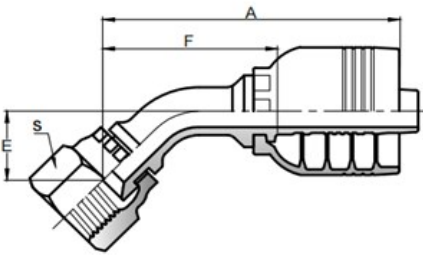
G8006-16FK	3/8	9.5	M16x1.5	53.5	25	19	22
G8006-18FK	3/8	9.5	M18X1.5	53.5	25	19	24
G8006-20FK	3/8	9.5	M20x1.5	54.5	26	22	27
G8008-20FK	1/2	12.7	M20x1.5	53	25	22	27
G8008-22FK	1/2	12.7	M22x1.5	53	25	22	27
G8008-24FK	1/2	12.7	M24x1.5	53	25	24	30
G8010-24FK	5/8	15.9	M24x1.5	59	29	24	30
G8012-30FK	3/4	19	M30x1.5	63	32	27	36
G8016-33FK	1	25.4	M33x1.5	73	36	32	41

FK45 FEMALE METRIC 30° FLARE SWIVEL, 45° ELBOW (KOMATSU)

G80 Series

Features

One-Piece, Non-Skive Design
Coating Option: Zinc Nickle
Design for 4SP AND SAE100R12



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	metric	mm	mm	mm	mm

G80-SERIES

G8006-18FK45	3/8	9.5	M18X1.5	68.5	16	42	24
G8008-22FK45	1/2	12.7	M22x1.5	76	19	58	27
G8010-24FK45	5/8	15.9	M24x1.5	91	21	60	30
G8012-30FK45	3/4	19	M30x1.5	104	25	70	36
G8016-33FK45	1	25.4	M33x1.5	130	30	85	41



FK90 FEMALE METRIC 30° FLARE SWIVEL 90° ELBOW (KOMARTSU)

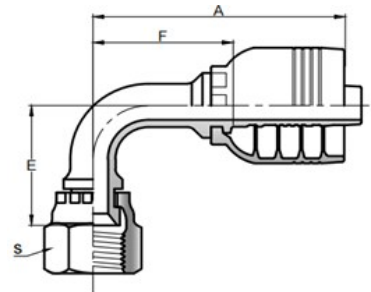
G80 Series

Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	metric	mm	mm	mm	mm

G80-SERIES

G8006-18FK90	3/8	9.5	M18X1.5	58.5	28	32	24
G8008-22FK90	1/2	12.7	M22x1.5	69	34	41	27
G8010-24FK90	5/8	15.9	M24x1.5	76	41	45	30
G8012-30FK90	3/4	19	M30x1.5	94	52	58	36
G8016-33FK90	1	25.4	M33x1.5	120	63	74	41

FJIS FEMALE JIS 30° FLARE SWIVEL

G80 Series

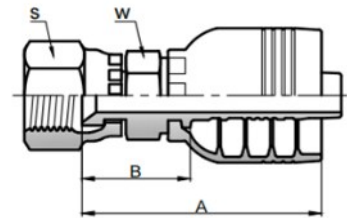
Features

One-Piece, Non-Skive Design

Coating Option: Zinc Nickle

Design for 4SP AND SAE100R12

Specification: JIS B8363



Part Number	Hose Size		Thread	A	B	W	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

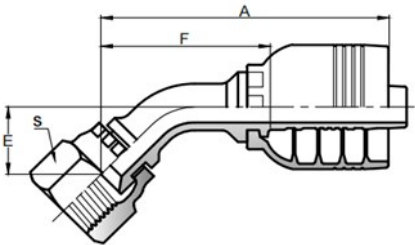
G8006-06FJIS	3/8	9.5	3/8-19	51.5	25	17	22
G8008-08FJIS	1/2	12.7	1/2-14	54	26	22	27
G8010-10FJIS	5/8	15.9	5/8-14	60	29	24	30
G8012-12FJIS	3/4	19	3/4-14	62	32	27	32
G8016-16FJIS	1	25.4	1-11	73	36	32	41

FJIS45 FEMALE JIS 30° FLARE SWIVEL 45° ELBOW

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: JIS B8363



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

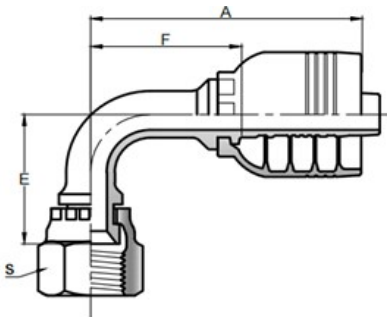
G8006-18FK45	3/8	9.5	3/8-19	68.5	16	42	24
G8008-22FK45	1/2	12.7	1/2-14	76	19	58	27
G8010-24FK45	5/8	15.9	5/8-14	91	21	60	30
G8012-30FK45	3/4	19	3/4-14	104	25	70	36
G8016-33FK45	1	25.4	1-11	130	30	85	41

FJIS90 FEMALE JIS 30° FLARE SWIVEL 90° ELBOW

G80 Series

Features

- One-Piece, Non-Skive Design
- Coating Option: Zinc Nickle
- Design for 4SP AND SAE100R12
- Specification: JIS B8363



Part Number	Hose Size		Thread	A	E	F	S
	Inch	mm	Inch	mm	mm	mm	mm

G80-SERIES

G8006-06FJIS90	3/8	9.5	3/8-19	58.5	30	32	22
G8008-08FJIS90	1/2	12.7	1/2-14	75	34	47	27
G8010-10FJIS90	5/8	15.9	5/8-14	81	42	50	30
G8012-12FJIS90	3/4	19	3/4-14	92	52	58	32
G8016-16FJIS90	1	25.4	1-11	120	62	74	41

