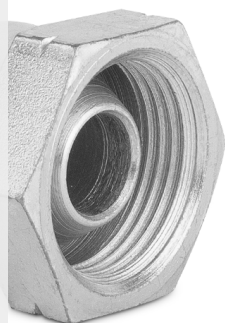
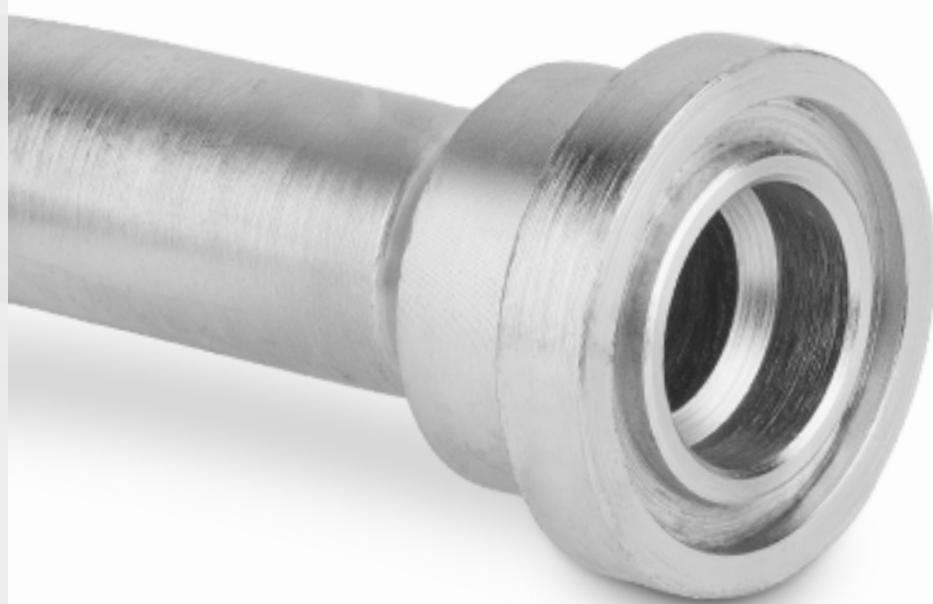


Końcówki do węży hydraulicznych

Fittings



HYDRO
hydro.pl



Sektory które **zaopatrujemy**



Energetyka



Żurawie i dźwigi



Przemysł morski



Roľnictwo



Przemysł budowlany



Hydraulika mobilna



Przemysł ciężki



Mycie ciśnieniowe

Szeroka oferta prosto z magazynu

- Przewody hydrauliczne i przemysłowe
- Cylindry hydrauliczne
- Zasilacze hydrauliczne
- Zawory
- Elementy złączne
- Pręty i rury
- Technika filtracyjna
- Pompy
- Elementy do produkcji cylindrów hydraulicznych
- Układy hydrauliczne
- Rozdzielacze
- Agregaty filtracyjne
- Technika pomiarowa
- Elementy zasilaczy i układów hydraulicznych
- Silniki hydrauliczne
- Elementy do produkcji przewodów
- Urządzenia do produkcji przewodów
- Technika napędowa
- Chemia przemysłowa



Końcówki do węży hydraulicznych
Fittings



Fittings

Standard Tail

N Tail

Interlock Tail

Hyblast / Multispiral Tail

Low Pressure Fittings

Standard Tail





001C



Swaged Ferrule (no
skive)

11

001L



Swaged Ferrule (no
skive)

11

0022



Swaged Ferrule (no
skive)

12

012N



Swaged Ferrule

13

0001



Swaged Ferrule (skive)

14

0002



Swaged Ferrule (skive)

15



0009



Swaged Ferrule (skive)

16

004H



Swaged Ferrule (skive)

16

0SI4



Swaged Ferrule (skive)

17

BMC1



Swaged Ferrule (no
skive)

17

BMC2



Swaged Ferrule (no
skive)

18



0007



Swaged Ferrule (no
skive)

18

0008



Swaged Ferrule (no
skive)

19

**0003**Swaged Ferrule (no
skive)**19****PTFE**

Ferrule for PTFE hose

20**PTFE-C**

Ferrule for PTFE hose

20**0345**

BSP Male Flat Seat

21**0060**

BSP Female flat seat

22**0350**BSP Male Parallel 60°
cone**23****035G**BSP Male Parallel 60°
Cone - Rotating**24****0050**BSP Female 60° cone
Thrust Wire**25****0051**BSP Female 60° Cone -
Rolled Nut**25****0058**BSP Female 60° Cone
Slip On Nut**25****0051D**BSP Female 60° Cone -
Double Hexagon**26****0150**BSP Swept Elbow 60°
Cone-Thrust wire Nut**27**

0151



BSP 90° Swept Elbow 60° Cone - Rolled Nut

27

0158



BSP 90° Swept elbow 60° cone Slip On Nut

27

0250



BSP Swept Elbow 60° Cone-Thrust wire Nut

28

0251



BSP 45° Swept Elbow 60° Cone Rolled nut

28

0258



BSP 45° Swept Elbow 60° Cone Slip on nut

28

2321



BSP 90° Compact Elbow 60° Cone - Rolled nut

29

2300



BSP 90° Compact Elbow 60° Cone - Thrust wire - Welded

29

0041



BSP O'Ring Female 60° Cone-Thrust wire Nut

30

0048



BSP O'Ring Female 60° Cone - Slip on nut

30

0141



BSP O'Ring 90° Swept elbow 60° cone Rolled Nut

31

0148



BSP O'Ring 90° Swept elbow 60° cone- Slip on nut

31

0241



BSP O'Ring 45° Swept Elbow 60° Cone - Rolled nut

32

0248



BSP O'Ring 45° Swept Elbow 60° Cone - Slip on nut

32



0360



BSP Taper Male 60° cone

33



0370

NPTF Male 60° cone

34**037G**NPTF Male Parallel 60°
Cone - Rotating**35****N051**NPSM Female 60° Cone
Rolled Nut**35****0850**

JIC Male 74° cone

36**0900**JIC Female 74° - Thrust
Wire Nut**37****0901**JIC Female 74° cone -
Rolled Nut**37****0902**JIC Female 74° - Slip on
nut**37****0901D**JIC Female 74° Cone-
Double Hexagon**38****0950**JIC 90° Swept Elbow 74°
Cone - Thrust Wire**39****0951**JIC 90° Swept Elbow 74°
cone - Rolled Nut**39****0952**JIC 90° Swept Elbow 74°
cone - Slip on nut**39****1000**JIC 45° Swept Elbow 74°
Cone Thrust Wire Nut**40****1001**JIC 45° Swept Elbow 74°
cone - Rolled Nut**40****1002**JIC 45° Swept Elbow 74°
Cone Slip on nut**40****095S**JIC 90° Swept Elbow 74°
cone - ISO SHORT**41**

2971



JIC 90° Compact Elbow
74° cone - Crimped Nut

41



0385



SAE Male O'R Flat Seat

42



0500



Metric Male 24° Seat
Light

43

0085



Metric Female 24° Seat
Light

44

0185



90° Metric Swept Elbow
24° Seat Light

45

0285



45° Metric Swept Elbow
24° Seat Light

46



0450



Metric Male 24° Seat
Heavy

47

0084



Metric Female 24° Seat
Heavy

48

0184



90° Metric Swept Elbow
24° Seat Heavy

49

0284



45° Metric Swept Elbow
24° Seat Heavy

50



0550



Metric Standpipe

51

0650



90° Metric Standpipe

52

0650S

Female Metric Tubular
90° (welded)

52**0750**

45° Metric Standpipe

53**0750S**

45° Metric Standpipe
(welded)

53**0035**

Metric Female 24° Seat
Light Multiseal

54**0135**

90° Metric Swept Elbow
24° Seat Light Multiseal

55**0400**

Metric Male 60° cone

56**0100**

Metric Female 60° cone

57**0200**

90° Metric Swept Elbow
60° cone

58**S350**

ORFS Male

59**S050**

ORFS Female

60**S05T**

ORFS Female Back
Hexagon

61**S150**

ORFS 90° Swept Elbow

62**S15S**

ORFS 90° Swept Elbow -
ISO SHORT

63

S250



ORFS 45° Swept Elbow

64



1260



Straight SAE Flange
3000 PSI

65

1060



90° SAE Flange 3000 PSI

66

1160



45° SAE Flange 3000 PSI

67

FS3L



90° SAE Flange 3000 Psi
- Long Drop

67

S003



Cut Split Flanges - 3000
psi

68



1310



Straight SAE Flange
6000 PSI

69

1110



90° SAE Flange 6000 PSI

70

1210



45° SAE Flange 6000 PSI

71

FS6L



90° SAE Flange 6000 PSI
- Long Drop

71

S006



Cut Split Flanges - 6000
psi

72



130S



Straight 'CAT' Flange

72

110S



90° 'CAT' Flange

73

120S

45° 'CAT' Flange

73**1250**Flangia Komatsu dritta
SAE 3000 PSI**74****1050**

Komatsu Flange 90°

74**1150**Flangia Komatsu 45° SAE
3000 PSI**74****0940**JIS Female 60° Cone
(Komatsu)**75****0990S**90° JIS Swept Elbow
(Komatsu) - welded**76****0930**JIS Female 60° cone
(Toyota)**76****0980S**90° JIS Swept Elbow
(Toyota) - welded**77****0920**JIS Female 60° cone
(Nissan)**77****0030**Metric Female 24° Cone
French Type**78****FK50**

K' Female

78

FN50



'K' Male (for gun) -
Diameter 10

79

FN51



'K' Male (for gun) -
Diameter 11

79



1400



BSP Banjo

80

1600



Double BSP Perforated
Bolt

81

1600-00



BSP Perforated Bolt

81

1350



Metric Banjo

82

1650



Metric perforated bolt

83



D050



Hose Junction

84



GS00

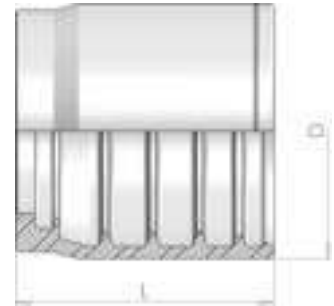


Weldable Fitting

85

001C

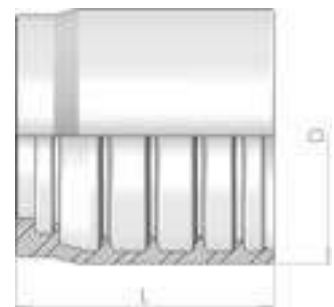
Swaged Ferrule (no skive)



Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	
001C-03	3/16	4.8	18.5	24	NO	R17-2SC-1SN-Pilot-H1
001C-04	1/4	6.4	20	26	NO	R17-2SC-1SC-1SN-Pilot-H1
001C-05	5/16	7.9	22	28	NO	R17-2SC-1SC-1SN-Pilot-H1
001C-06	3/8	9.5	25	28	NO	R17-2SC-1SC-1SN-Pilot-H1
001C-08	1/2	12.7	28	28	NO	R17-2SC-1SC-1SN-Pilot-H1
001C-10	5/8	15.9	32	31	NO	R17-2SC-1SC-1SN-H1
001C-12	3/4	19	36	38	NO	R17-2SC-1SC-1SN-H1
001C-16	1	25.4	44	47.5	NO	R17-2SC-1SC-1SN-H1
001C-20	1.1/4	31.8	54	56	NO	1SN-2SC-1SC
001C-24	1.1/2	38.1	61.6	66	NO	1SN-2SC-1SC
001C-32	2	50.8	75.4	73	NO	1SN-2SC-1SC
001C-40	2.1/2	63.5	88.4	80	NO	2SC-1SC
001C-48	3	76.2	100.5	90	NO	2SC-1SC

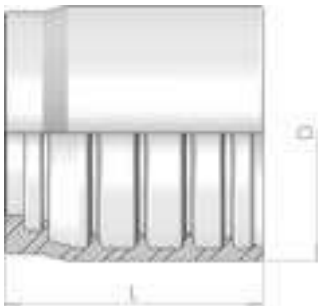
001L

Swaged Ferrule (no skive)



Product number	hose I.D.		Dimension		skive	valid for
	in		D	L	Length	
001L-04	1/4		19.2	26	NO	Hywasher 4K / HyWasher Plus 4K
001L-05	5/16		20.6	28	NO	Hywasher 4K / HyWasher Plus 4K
001L-06	3/8		23.3	28	NO	Hywasher 4K / HyWasher Plus 4K
001L-08	1/2		27	28	NO	Hywasher 4K / HyWasher Plus 4K

0022

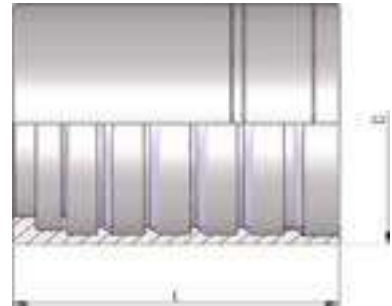


Swaged Ferrule (no skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0022-03	3/16	4.8	21	25.3	NO	2SN-(1SN)
0022-04	1/4	6.4	22	28	NO	2SN-(1SN)
0022-05	5/16	7.9	24	28	NO	2SN-(1SN)
0022-06	3/8	9.5	26	28	NO	2SN-(1SN)
0022-08	1/2	12.7	30	31	NO	2SN-(1SN)
0022-10	5/8	15.9	34	31	NO	2SN-(1SN)
0022-12	3/4	19	38	38.5	NO	2SN-(1SN)
0022-16	1	25.4	47	48	NO	2SN-(1SN)
0022-20	1.1/4	31.8	58	56	NO	2SN-(1SN)
0022-24	1.1/2	38.1	66	66	NO	2SN-(1SN)
0022-32	2	50.8	79	73	NO	2SN-(1SN)

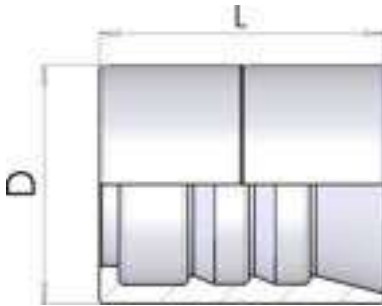
012N

Swaged Ferrule



Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	
012N-04	1/4	6.4	18.3	28	21	ONE 1RN-TWO 2RN-2MC-2SC
012N-05	5/16	7.9	20.0	29	22	ONE 1RN-TWO 2RN-2MC-2SC
012N-06	3/8	9.5	22.8	30	23	ONE 1RN-TWO 2RN-2MC-2SC
012N-08	1/2	12.7	26.3	32	24	ONE 1RN-TWO 2RN-2MC-2SC
012N-10	5/8	15.9	29.8	34	26	ONE 1RN-TWO 2RN-2MC-2SC
012N-12	3/4	19	34.4	40	31	ONE 1RN-TWO 2RN-2MC-2SC
012N-16	1	25.4	42.9	49	38	ONE 1RN-TWO 2RN-2MC-2SC
012N-20	1.1/4	31.8	52.5	56	43	TWO 2RN
012N-24	1.1/2	38.1	59.2	63	49	TWO 2RN
012N-32	2	50.8	72.2	73	58	TWO 2RN

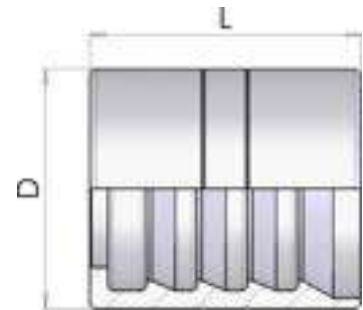
0001



Swaged Ferrule (skive)

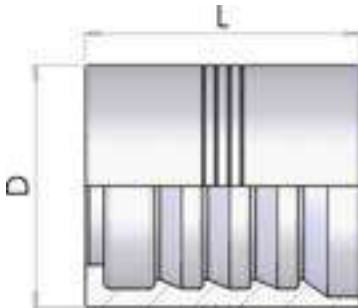
Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0001-03	3/16	4.8	17.5	27	20	1SN-(2SC-1ST)
0001-04	1/4	6.4	20	30.2	23	1SN-(2SC-1ST)
0001-05	5/16	7.9	22	30.7	23	1SN-(2SC-1ST)
0001-06	3/8	9.5	24	32	24	1SN-(2SC-1ST)
0001-08	1/2	12.7	28.5	34	25	1SN-(2SC-1ST)
0001-10	5/8	15.9	32	37	27	1SN-(2SC-1ST)
0001-12	3/4	19	36	43	31	1SN-(2SC-1ST)
0001-16	1	25.4	43	50	37	1SN-(2SC-1ST)
0001-20	1.1/4	31.8	52	57	46	1SN-(2SC-1ST)
0001-24	1.1/2	38.1	57	63	44	1SN-(2SC-1ST)
0001-32	2	50.8	70.6	78	60	1SN-(2SC-1ST)

0002

Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0002-03	3/16	4.8	20	27	21	2SN-(2ST)
0002-04	1/4	6.4	21	30	22	2SN-(2ST)
0002-05	5/16	7.9	24	30	22	2SN-(2ST)
0002-06	3/8	9.5	25.4	32	24	2SN-3SC-(2ST)
0002-08	1/2	12.7	30	34	25	2SN-(2ST)
0002-10	5/8	15.9	34	37	27	2SN-(2ST)
0002-12	3/4	19	38	43	31	2SN-(2ST)
0002-16	1	25.4	46	50	37	2SN-(2ST)
0002-20	1.1/4	31.8	56	59	43	2SN-(2ST)
0002-24	1.1/2	38.1	62	63	45	2SN-(2ST)
0002-32	2	50.8	75	79	61	2SN-(2ST)
0002-40	2.1/2	63.5	95	83.7	63	2SN-(2ST)
0002-48	3	76.2	105.6	94.3	78	2SN-(2ST)

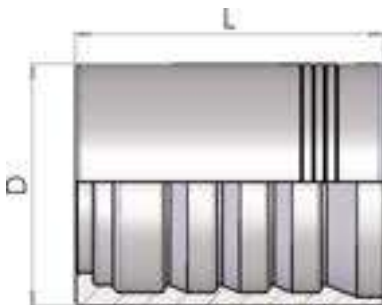
0009



Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0009-04	1/4	6.4	21	30	22	4SP-R12
0009-06	3/8	9.5	25.4	33.5	26	4SP-R12
0009-08	1/2	12.7	30	36	28	4SP-R12
0009-10	5/8	15.9	34	40	31	4SP-R12
0009-12	3/4	19	38	43	34	4SP-(R12-4SH)
0009-16	1	25.4	46	60	48	(4SP-R12)
0009-20	1.1/4	31.8	56	66	54	(4SP-R12)
0009-24	1.1/2	38.1	67	76.5	62	(4SP-R12)
0009-32	2	50.8	80	79.8	64	4SP

004H

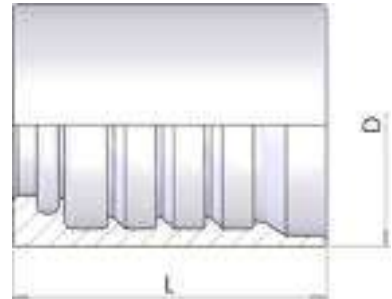


Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
004H-20	1.1/4	31.8	52	66	55	(4SH)
004H-24	1.1/2	38.1	62	76.5	63	(4SH)

OSI4

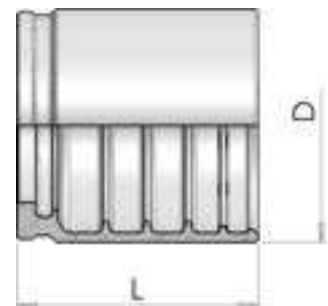
Swaged Ferrule (skive)



Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	
OSI4-06	3/8	9.5	24	31	23	Four SP - Hysoflex 4K - Hysoflex 5K - Hysoflex 6K
OSI4-08	1/2	12.7	27.6	33	24.5	Four SP - Hysoflex 4K - Hysoflex 5K - Hysoflex 6K
OSI4-10	5/8	15.9	32	36	27.5	Four SP - Hysoflex 4K
OSI4-12	3/4	19	36.4	42	32.5	Four SP - Hysoflex 4K
OSI4-16	1	25.4	44	55.5	44	Four SP - Hysoflex 4K

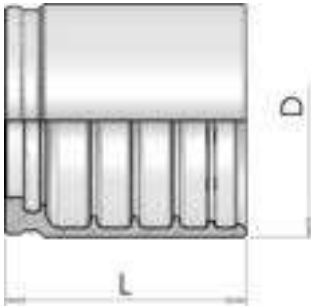
BMC1

Swaged Ferrule (no skive)



Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	
BMC1-12	3/4	19	45	41	NO	R12
BMC1-16	1	25.4	53.5	56	NO	R12-4SP-4SH
BMC1-20	1.1/4	31.8	62	62	NO	(4SH)

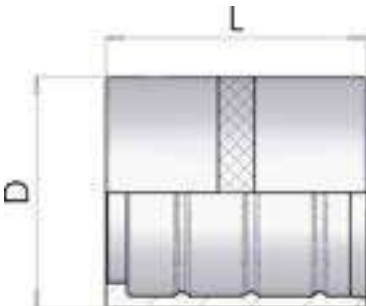
BMC2



Swaged Ferrule (no skive)

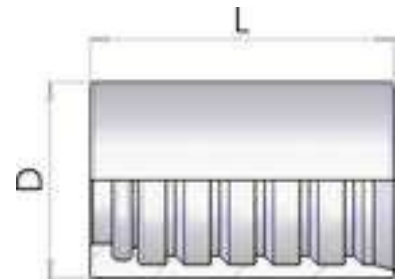
Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
BMC2-20	1.1/4	31.8	66	62	NO	R12-4SP
BMC2-24	1.1/2	38.1	73.3	70	NO	R12-4SP-(R13)

0007

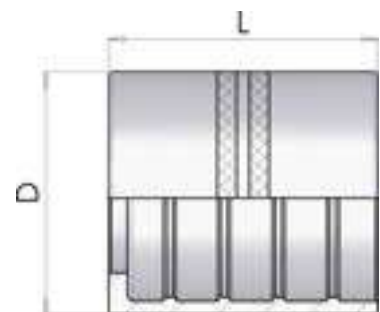


Swaged Ferrule (no skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0007-03	3/16	4.8	14	27	NO	R7-R6-1TE-2TE
0007-04	1/4	6.4	17	29	NO	R7-R6-1TE-2TE
0007-05	5/16	7.9	19	30	NO	R7-R6-1TE-2TE
0007-06	3/8	9.5	21	31	NO	R7-R6-1TE-2TE
0007-08	1/2	12.7	25.4	34	NO	R7-R6-1TE-2TE
0007-10	5/8	15.9	28.5	36	NO	R7-R6-1TE-2TE
0007-12	3/4	19	32	36	NO	R7-R6-1TE-2TE
0007-16	1	25.4	40	50	NO	R7-R6-1TE-2TE

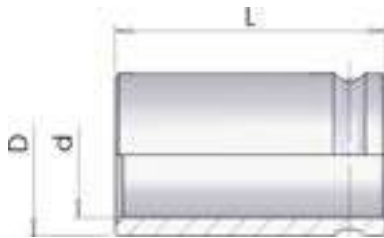
0008**Swaged Ferrule (no skive)**

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0008-03	3/16	4.8	13	25	NO	R8
0008-04	1/4	6.4	17	29	NO	R8
0008-05	5/16	7.9	19	30	NO	R8
0008-06	3/8	9.5	21.5	31	NO	R8
0008-08	1/2	12.7	26	34	NO	R8
0008-10	5/8	15.9	29	40	NO	R8
0008-12	3/4	19	32	42	NO	R8
0008-16	1	25.4	40	50	NO	R8

0003**Swaged Ferrule (no skive)**

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0003-03	3/16	4.8	14	27	NO	R3-3TE-R5
0003-04	1/4	6.4	19	29	NO	R3-3TE-R5
0003-05	5/16	7.9	22	30	NO	R3-3TE-R5
0003-06	3/8	9.5	24	31	NO	R3-3TE-R5
0003-08	1/2	12.7	28.5	34	NO	R3-3TE-R5
0003-10	5/8	15.9	32	36	NO	R3-3TE-R5
0003-12	3/4	19	38	42	NO	R3-3TE-R5
0003-16	1	25.4	46	50	NO	R3-3TE
0003-20	1.1/4	31.8	52	57	NO	R3-3TE

PTFE

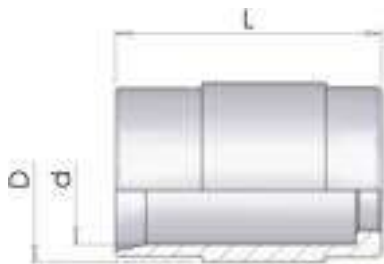


Ferrule for PTFE hose

Product number	hose I.D.		Dimension			skive	valid for
	in	mm	D	L	d-int	Length	-
PTFE-03	3/16	4.8	12.7	22	9.5	NO	PTFE type T1
PTFE-04	1/4	6.4	14.4	23.9	11.1	NO	PTFE type T1
PTFE-05	5/16	7.9	17.1	24.6	13	NO	PTFE type T1
PTFE-06	3/8	9.5	19	27.4	15	NO	PTFE type T1
PTFE-08	1/2	12.7	22.4	28.7	18.3	NO	PTFE type T1
PTFE-10	5/8	15.9	27	31.7	23.1	NO	PTFE type T1
PTFE-12	3/4	19	28.7	34.5	24.8	NO	PTFE type T1
PTFE-16	1	25.4	38.1	43.6	34.3	NO	PTFE type T1

For PTFE hose type T1 - (with standard fittings)

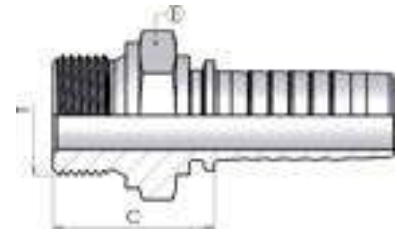
PTFE-C



Ferrule for PTFE hose

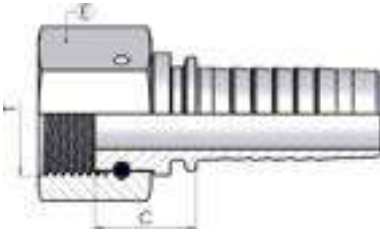
Product number	hose I.D.		Dimension			skive	valid for
	in	mm	D	L	d-int	Length	-
PTFE-04-C	1/4	6.4	17.8	26.5	14.4	NO	PTFE type LTC
PTFE-06-C	3/8	9.5	20	30.5	16.8	NO	PTFE type LTC
PTFE-08-C	1/2	12.7	24	33.2	20.5	NO	PTFE type LTC
PTFE-10-C	5/8	15.9	29.2	34.8	25.4	NO	PTFE type LTC
PTFE-12-C	3/4	19	31.1	40.9	27.4	NO	PTFE type LTC
PTFE-16-C	1	25.4	38.5	47	34.7	NO	PTFE type LTC

For PTFE hose type LTC - (with standard fittings)

0345**BSP Male - Flat Seat****(AGR-F)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0345-04-04	1/4	6.4	04	1/4-19	19	27
0345-05-06	5/16	7.9	05	3/8-19	22	28
0345-06-06	3/8	9.5	06	3/8-19	22	29
0345-06-08	3/8	9.5	06	1/2-14	27	32
0345-08-08	1/2	12.7	08	1/2-14	27	33
0345-10-12	5/8	15.9	10	3/4-14	32	35
0345-12-12	3/4	19	12	3/4-14	32	36
0345-12-16	3/4	19	12	1-11	41	39
0345-16-16	1	25.4	16	1-11	41	40

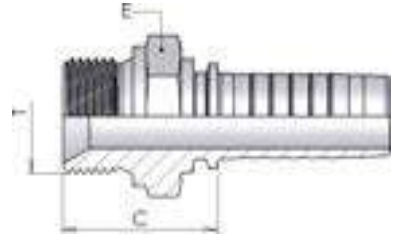
0060



BSP Female flat seat

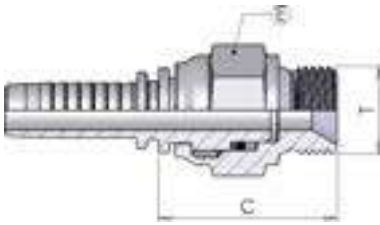
(DKR-F)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0060-04-04	1/4	6.4	04	1/4-19	19	14
0060-04-06	1/4	6.4	04	3/8-19	22	15
0060-05-06	5/16	7.9	05	3/8-19	22	15
0060-05-08	5/16	7.9	05	1/2-14	27	17
0060-06-06	3/8	9.5	06	3/8-19	22	15
0060-06-08	3/8	9.5	06	1/2-14	27	16
0060-08-08	1/2	12.7	08	1/2-14	27	16
0060-08-12	1/2	12.7	08	3/4-14	32	23
0060-10-10	5/8	15.9	10	5/8-14	30	16
0060-10-12	5/8	15.9	10	3/4-14	32	20
0060-12-12	3/4	19	12	3/4-14	32	21
0060-12-16	3/4	19	12	1-11	38	23
0060-16-16	1	25.4	16	1-11	38	22

0350**BSP Male Parallel 60° cone****(AGR)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0350-03-02	3/16	4.8	03	1/8-28	14	21
0350-03-04	3/16	4.8	03	1/4-19	19	26
0350-04-02	1/4	6.4	04	1/8-28	14	21
0350-04-04	1/4	6.4	04	1/4-19	19	27
0350-04-06	1/4	6.4	04	3/8-19	22	28
0350-04-08	1/4	6.4	04	1/2-14	27	35
0350-05-04	5/16	7.9	05	1/4-19	19	27
0350-05-06	5/16	7.9	05	3/8-19	22	28
0350-05-08	5/16	7.9	05	1/2-14	27	32
0350-06-04	3/8	9.5	06	1/4-19	19	27
0350-06-06	3/8	9.5	06	3/8-19	22	29
0350-06-08	3/8	9.5	06	1/2-14	27	32
0350-08-06	1/2	12.7	08	3/8-19	22	29
0350-08-08	1/2	12.7	08	1/2-14	27	33
0350-08-10	1/2	12.7	08	5/8-14	30	34
0350-08-12	1/2	12.7	08	3/4-14	32	35
0350-10-08	5/8	15.9	10	1/2-14	27	33
0350-10-10	5/8	15.9	10	5/8-14	30	35
0350-10-12	5/8	15.9	10	3/4-14	32	35
0350-12-08	3/4	19	12	1/2-14	27	33
0350-12-12	3/4	19	12	3/4-14	32	36
0350-12-16	3/4	19	12	1-11	41	39
0350-16-16	1	25.4	16	1-11	41	40
0350-16-20	1	25.4	16	1.1/4-11	50	44
0350-20-16	1.1/4	31.8	20	1-11	41	41
0350-20-20	1.1/4	31.8	20	1.1/4-11	50	45
0350-20-24	1.1/4	31.8	20	1.1/2-11	55	46
0350-24-24	1.1/2	38.1	24	1.1/2-11	55	46
0350-24-32	1.1/2	38.1	24	2-11	70	54
0350-32-24	2	50.8	32	1.1/2-11	65	50
0350-32-32	2	50.8	32	2-11	70	54

035G

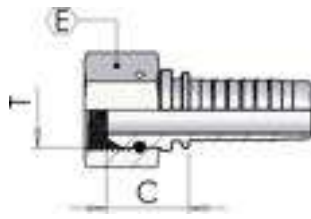


BSP Male Parallel 60° Cone - Rotating

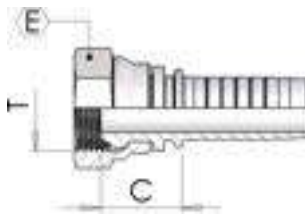
(AGR-RO)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
035G-04-04	1/4	6.4	04	1/4-19	19	37
035G-06-06	3/8	9.5	06	3/8-19	22	43
035G-08-08	1/2	12.7	08	1/2-14	27	47
035G-12-12	3/4	19	12	3/4-14	32	52

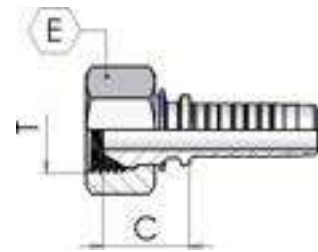
0050



0051



0058



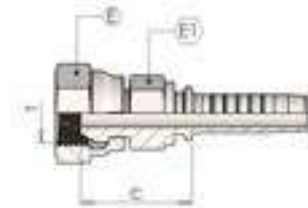
BSP Female 60° Cone

(DKR)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0051-03-02	3/16	4.8	03	1/8-28	14	15
0058-03-04	3/16	4.8	03	1/4-19	19	17
0051-04-02	1/4	6.4	04	1/8-28	14	15
0058-04-04	1/4	6.4	04	1/4-19	19	21
0058-04-06	1/4	6.4	04	3/8-19	22	21
0051-05-04	5/16	9.5	05	1/4-19	19	19
0058-05-06	5/16	7.9	05	3/8-19	22	21
0058-05-08	5/16	7.9	05	1/2-14	27	22
0051-06-04	3/8	9.5	06	1/4-19	19	17
0058-06-06	3/8	9.5	06	3/8-19	22	21
0058-06-08	3/8	9.5	06	1/2-14	27	23
0051-08-06	1/2	12.7	08	3/8-19	22	20
0058-08-08	1/2	12.7	08	1/2-14	27	23
0051-08-10	1/2	12.7	08	5/8-14	30	20
0051-08-12	1/2	12.7	08	3/4-14	32	27
0051-10-08	5/8	15.9	10	1/2-14	27	23
0051-10-10	5/8	15.9	10	5/8-14	30	20
0051-10-12	5/8	15.9	10	3/4-14	32	25
0051-12-08	3/4	19	12	1/2-14	27	24
0051-12-12	3/4	19	12	3/4-14	32	25
0051-12-16	3/4	19	12	1-11	38	26
0051-16-12	1	25.4	16	3/4-14	32	27
0051-16-16	1	25.4	16	1-11	38	27
0050-16-20*	1	25.4	16	1.1/4-11	50	30
0050-20-20*	1.1/4	31.8	20	1.1/4-11	50	32
0050-20-24*	1.1/4	31.8	20	1.1/2-11	55	34
0050-24-24*	1.1/2	38.1	24	1.1/2-11	55	34
0050-24-32*	1.1/2	38.1	24	2-11	70	34
0050-32-32*	2	50.8	32	2-11	70	31
0050-40-40	2.1/2	63.5	40	2.1/2-11	85	41
0050-48-48	3	76.2	48	3-11	100	45

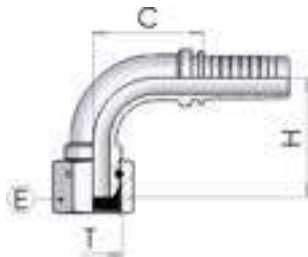
0051D

BSP Female 60° Cone - Double Hexagon

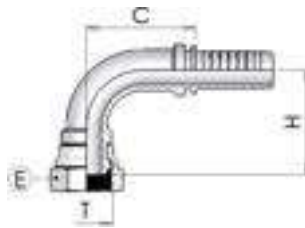


Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
0051D04-04	1/4	6,4	04	1/4-19	19	14	22
0051D06-06	3/8	9.5	06	3/8-19	22	17	28
0051D08-08	1/2	12.7	08	1/2-14	27	22	30
0051D12-12	3/4	19	12	3/4-14	32	27	35

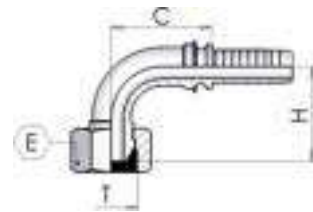
0150



0151



0158



BSP 90° Swept elbow 60° cone

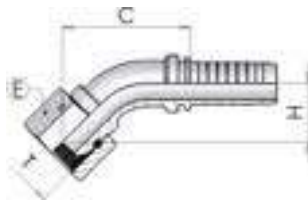
Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0151-03-02	3/16	03	03	1/8-28	14	23	23
0151-03-04	3/16	03	03	1/4-19	19	25	25
0151-04-02	1/4	04	04	1/8-28	14	25	25
0158-04-04	1/4	04	04	1/4-19	19	21	27
0158-04-06	1/4	04	04	3/8-19	22	24	27
0151-05-04	5/16	05	05	1/4-19	19	31	31
0158-05-06	5/16	05	05	3/8-19	22	29	31
0151-06-04	3/8	06	06	1/4-19	19	33	31
0158-06-06	3/8	06	06	3/8-19	22	29	33
0158-06-08	3/8	06	06	1/2-14	27	31	36
0151-08-06	1/2	08	08	3/8-19	22	42	39
0158-08-08	1/2	08	08	1/2-14	27	37.5	38.5
0151-08-10	1/2	08	08	5/8-14	30	41	40
0151-08-12	1/2	08	08	3/4-14	32	46	41
0151-10-10	5/8	10	10	5/8-14	30	43	43
0151-10-12	5/8	10	10	3/4-14	32	50	45
0151-12-12	3/4	12	12	3/4-14	32	57	56
0151-12-16	3/4	12	12	1-11	38	56	56
0151-16-16	1	16	16	1-11	38	67	70
0150-20-20*	1.1/4	20	20	1.1/4-11	50	84	83
0150-24-24*	1.1/2	24	24	1.1/2-11	55	95	103
0150-32-32*	2	32	32	2-11	70	124	133

(*) - On request available in version without O-Ring (in case of order use code 015X)

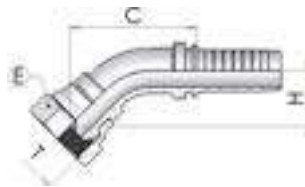
(*) - BSP O-Ring Female



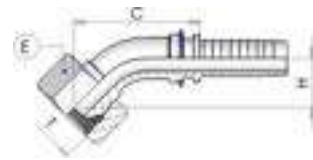
0250



0251



0258



BSP 45° Swept Elbow 60° Cone

(DKR-45°)

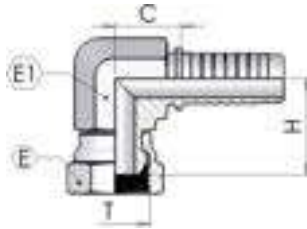
Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0251-03-02	3/16	4.8	03	1/8-28	14	15	33
0251-04-02	1/4	6.4	04	1/8-28	14	14	40
0258-04-04	1/4	6.4	04	1/4-19	19	14	39
0258-04-06	1/4	6.4	04	3/8-19	22	16	41
0251-05-04	5/16	7.9	05	1/4-19	19	16	47
0251-06-04	3/8	9.5	06	1/4-19	19	19	50
0258-06-06	3/8	9.5	06	3/8-19	22	17	47
0258-06-08	3/8	9.5	06	1/2-14	27	16	52
0251-08-06	1/2	12.7	08	3/8-19	22	22	63
0258-08-08	1/2	12.7	08	1/2-14	27	19	61
0251-08-10	1/2	12.7	08	5/8-14	30	21	64
0251-08-12	1/2	12.7	08	3/4-14	32	26	67
0251-10-08	5/8	15.9	10	1/2-14	27	24	68
0251-10-10	5/8	15.9	10	5/8-14	30	23	68
0251-10-12	5/8	15.9	10	3/4-14	32	27	72
0251-12-12	3/4	19	12	3/4-14	32	28	88
0251-12-16	3/4	19	12	1-11	38	32	88
0251-16-16	1	25.4	16	1-11	38	30	88
0250-20-20*	1.1/4	31.8	20	1.1/4-11	50	40	107
0250-24-24*	1.1/2	38.1	24	1.1/2-11	55	51	117
0250-32-32*	2	50.8	32	2-11	70	59	146

(*) - BSP O-Ring Female

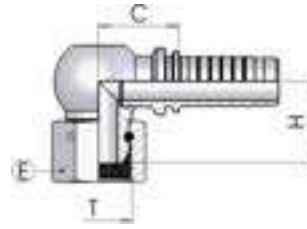


(*) - On request available in version without O-Ring (in case of order use code 025X)

2321



2300

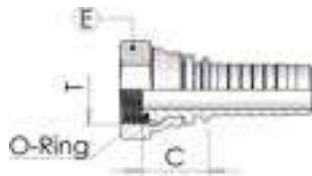


BSP 90° Compact Elbow 60° Cone

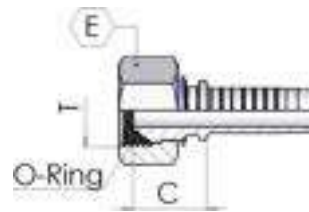
(DKR 90° K)

Product number	hose I.D.		Dimension						
	in	mm	dash size	T	E	E1	drop H	Cut-off C	
2321-03-02	3/16	4.8	03	1/8-28	14	12	18	17	
2321-03-04	3/16	4.8	03	1/4-19	19	14	20	17	
2321-04-04	1/4	6.4	04	1/4-19	19	15	20	19	
2321-04-06	1/4	6.4	04	3/8-19	22	17	29	24	
2321-05-06	5/16	7.9	05	3/8-19	22	17	23	24	
2321-06-06	3/8	9.5	06	3/8-19	22	17	23	23	
2321-06-08	3/8	9.5	06	1/2-14	27	19	26	28	
2321-08-08	1/2	12.7	08	1/2-14	27	22	27	26	
2321-10-10	5/8	15.9	10	5/8-14	30	24	28	29	
2321-12-12	3/4	19	12	3/4-14	32	27	32	32	
2321-16-16	1	25.4	16	1-11	38	32	36	38	
2300-20-20	1.1/4	31.8	20	1.1/4-11	50	-	46	47	

0041

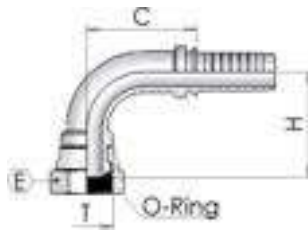
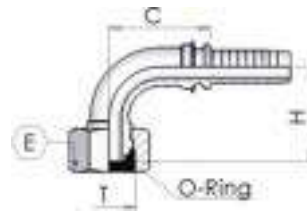


0048



BSP O'Ring Female 60° Cone (DKOR)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0048-04-04	1/4	6.4	04	1/4-19	19	22
0048-04-06	1/4	6.4	04	3/8-19	22	20
0048-06-06	3/8	9.5	06	3/8-19	22	20
0048-06-08	3/8	9.5	06	1/2-14	27	23
0048-08-08	1/2	12.7	08	1/2-14	27	23
0041-10-10	5/8	15.9	10	5/8-14	30	21
0041-12-12	3/4	19	12	5/8-14	32	26
0041-16-16	1	25.4	16	1-11	38	28

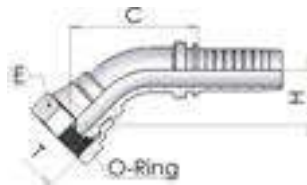
0141**0148**

BSP O'Ring 90° Swept elbow 60° cone

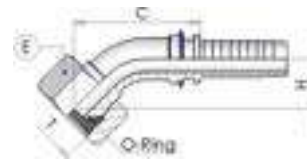
(DKOR 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0148-04-04	1/4	6.4	04	1/4-19	19	22	27
0148-04-06	1/4	6.4	04	3/8-19	22	23	27
0148-06-06	3/8	9.5	06	3/8-19	22	23	27
0148-06-08	3/8	9.5	06	1/2-14	27	30	33
0148-08-08	1/2	12.7	08	1/2-14	27	35	42
0141-10-10	5/8	15.9	10	5/8-14	30	54	37
0141-12-12	3/4	19	12	3/4-14	32	58	56
0141-16-16	1	25.4	16	1-11	38	37	70

0241

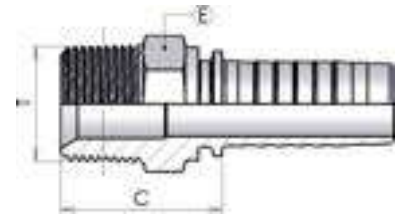


0248



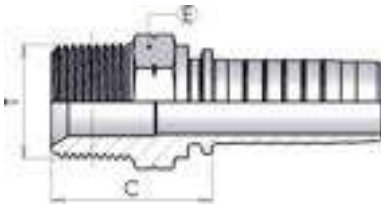
BSP O'Ring 45° Swept Elbow 60° Cone
(DKOR 45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0248-04-04	1/4	6.4	04	1/4-19	19	15	41
0248-06-06	3/8	9.5	06	3/8-19	22	15	47
0248-08-08	1/2	12.7	08	1/2-14	27	19	61
0241-12-12	3/4	19	12	3/4-14	32	28	88
0241-16-16	1	25.4	16	1-11	38	32	114

0360**BSP Taper Male 60° cone****(AGR-K)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0360-03-02	3/16	4.8	03	1/8-28	12	21
0360-03-04	3/16	4.8	03	1/4-19	15	27
0360-04-02	1/4	6.4	04	1/8-28	12	22
0360-04-04	1/4	6.4	04	1/4-19	15	28
0360-04-06	1/4	6.4	04	3/8-19	19	28
0360-05-04	5/16	7.9	05	1/4-19	15	28
0360-05-06	5/16	7.9	05	3/8-19	19	28
0360-06-04	3/8	9.5	06	1/4-19	17	28
0360-06-06	3/8	9.5	06	3/8-19	19	28
0360-06-08	3/8	9.5	06	1/2-14	22	33
0360-08-06	1/2	12.7	08	3/8-19	19	29
0360-08-08	1/2	12.7	08	1/2-14	22	34
0360-08-12	1/2	12.7	08	3/4-14	27	36
0360-12-12	3/4	19	12	3/4-14	27	37
0360-12-16	3/4	19	12	1-11	36	43
0360-16-16	1	25.4	16	1-11	36	44
0360-20-20	1.1/4	31.8	20	1.1/4-11	46	47
0360-24-24	1.1/2	38.1	24	1.1/2-11	50	49
0360-32-32	2	50.8	32	2-11	65	55

0370



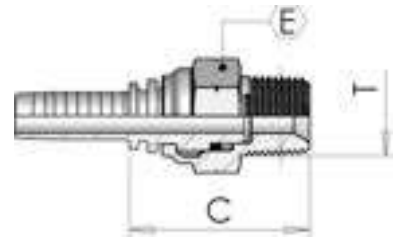
NPTF Male 60° cone

(AGN)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0370-03-02	3/16	4.8	03	1/8-27	12	22
0370-03-04	3/16	4.8	03	1/4-18	15	27
0370-04-02	1/4	6.4	04	1/8-27	12	22
0370-04-04	1/4	6.4	04	1/4-18	15	28
0370-04-06	1/4	6.4	04	3/8-18	19	28
0370-05-04	5/16	7.9	05	1/4-18	15	28
0370-05-06	5/16	7.9	05	3/8-18	19	28
0370-06-04	3/8	9.5	06	1/4-18	17	28
0370-06-06	3/8	9.5	06	3/8-18	19	28
0370-06-08	3/8	9.5	06	1/2-14	22	34
0370-08-06	1/2	12.7	08	3/8-18	19	29
0370-08-08	1/2	12.7	08	1/2-14	22	35
0370-08-12	1/2	12.7	08	3/4-14	27	36
0370-10-08	5/8	15.8	10	1/2-14	24	35
0370-10-12	5/8	15.8	10	3/4-14	27	36
0370-12-08	3/4	19	12	1/2-14	24	36
0370-12-12	3/4	19	12	3/4-14	27	37
0370-12-16	3/4	19	12	1-11.1/2	36	43
0370-16-16	1	25.4	16	1-11.1/2	36	44
0370-20-20	1.1/4	31.8	20	1.1/4-11.1/2	46	47
0370-24-24	1.1/2	38.1	24	1.1/2-11.1/2	50	49
0370-32-32	2	50.8	32	2-11.1/2	65	55
0370-40-40	2.1/2	63.5	40	2.1/2-8	80	55
0370-48-48	3	76.2	48	3-8	90	58

037G

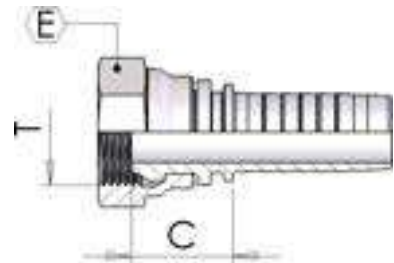
NPTF Male Parallel 60° Cone - Rotating (AGN-RO)



Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
037G-04-04	1/4	6.4	04	1/4-18	19	39
037G-06-06	3/8	9.5	06	3/8-18	22	43
037G-08-08	1/2	12.7	08	1/2-14	27	49
037G-12-12	3/4	19	12	3/4-14	32	52

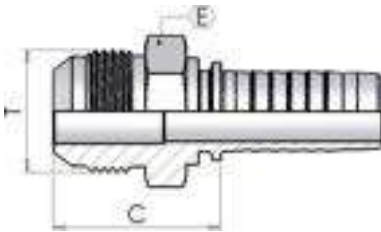
N051

NPSM Female 60° Cone Rolled Nut (DKN)



Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
N051-03-04	3/16	4.8	03	1/4-18	19	17
N051-04-04	1/4	6.4	04	1/4-18	19	17
N051-06-06	3/8	9.5	06	3/8-18	22	19
N051-08-08	1/2	12.7	08	1/2-14	27	23
N051-12-12	3/4	19	12	3/4-14	32	25
N051-16-16	1	25.4	16	1-11	38	27

0850

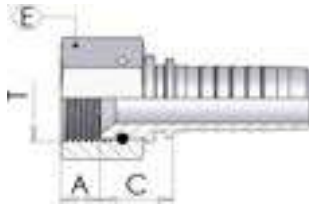


JIC Male 74° cone

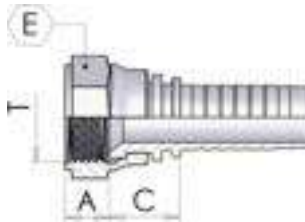
(AGJ)

Product number	hose I.D.		Dimension				Note
	in	mm	dash size	T	E	Cut-off C	
0850-03-04	3/16	4.8	03	7/16-20	12	26	
0850-04-04	1/4	6.4	04	7/16-20	12	27	
0850-04-05	1/4	6.4	04	1/2-20	14	27	
0850-04-06	1/4	6.4	04	9/16-18	15	27	
0850-05-05	5/16	7.9	05	1/2-20	14	27	
0850-05-06	5/16	7.9	05	9/16-18	15	27	
0850-05-08	5/16	7.9	05	3/4-16	19	30	
0850-06-06	3/8	9.5	06	9/16-18	15	27	
0850-06-07	3/8	9.5	06	5/8-18	17	30	* SAE 45°
0850-06-08	3/8	9.5	06	3/4-16	19	30	
0850-06-10	3/8	9.5	06	7/8-14	24	34	
0850-08-08	1/2	12.7	08	3/4-16	19	31	
0850-08-10	1/2	12.7	08	7/8-14	24	35	
0850-08-12	1/2	12.7	08	1.1/16-12	27	37	
0850-10-10	5/8	15.9	10	7/8-14	24	35	
0850-10-12	5/8	15.9	10	1.1/16-12	27	37	
0850-12-10	3/4	19	12	7/8-14	24	36	
0850-12-12	3/4	19	12	1.1/16-12	27	38	
0850-12-14	3/4	19	12	1.3/16-12	32	41	
0850-12-16	3/4	19	12	1.5/16-12	34	42	
0850-16-12	1	25.4	16	1.1/16-12	27	39	
0850-16-16	1	25.4	16	1.5/16-12	34	43	
0850-16-20	1	25.4	16	1.5/8-12	42	46	
0850-20-20	1.1/4	31.8	20	1.5/8-12	42	47	
0850-20-24	1.1/4	31.8	20	1.7/8-12	50	52	
0850-24-24	1.1/2	38.1	24	1.7/8-12	50	52	
0850-32-32	2	50.8	32	2.1/2-12	65	62	

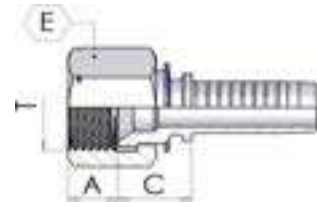
0900



0901



0902

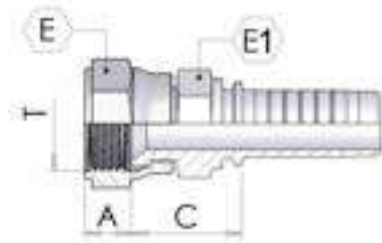


JIC Female 74°

(DKJ)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	Cut-off C	A
0901-03-04	3/16	4.8	03	7/16-20	15	14	8.5
0901-03-05	3/16	4.8	03	1/2-20	17	14	9.5
0901-04-04	1/4	6.4	04	7/16-20	15	14	8.5
0902-04-05	1/4	6.4	04	1/2-20	17	17	9.5
0902-04-06	1/4	6.4	04	9/16-18	19	17	9
0901-04-07	1/4	6.4	04	5/8-18	22	17	11
0901-05-05	5/16	7.9	05	1/2-20	17	15	9.5
0901-05-07	5/16	7.9	05	5/8-18	22	17	11
0901-06-04	3/8	9.5	06	7/16-20	15	15	9
0901-06-05	3/8	9.5	06	1/2-20	17	15	9.5
0901-06-06	3/8	9.5	06	9/16-18	19	16	9
0901-06-07	3/8	9.5	06	5/8-18	22	16	11
0902-06-08	3/8	9.5	06	3/4-16	22	18	10.5
0901-08-08	1/2	12.7	08	3/4-16	24	18	10.5
0902-08-10	1/2	12.7	08	7/8-14	27	20	13
0901-10-10	5/8	15.9	10	7/8-14	27	20	13
0902-10-12	5/8	15.9	10	1.1/16-12	32	20	13.5
0901-12-10	3/4	19	12	7/8-14	27	20	13
0902-12-12	3/4	19	12	1.1/16-12	32	22	13.5
0901-12-14	3/4	19	12	1.3/16-12	36	23	14
0901-12-16	3/4	19	12	1.5/16-12	38	23	15.5
0901-16-12	1	25.4	12	1.1/16-12	32	23	13.5
0901-16-16	1	25.4	16	1.5/16-12	38	24	15.5
0900-16-20	1	25.4	16	1.5/8-12	50	27	16.5
0900-20-20	1.1/4	31.8	20	1.5/8-12	50	28	16.5
0900-20-24	1.1/4	31.8	20	1.7/8-12	55	31	19
0900-24-24	1.1/2	38.1	24	1.7/8-12	55	31	19
0900-32-32	2	50.8	32	2.1/2-12	70	31	20

0901D

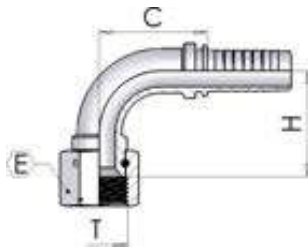


JIC Female 74° Cone- Double Hexagon

(DKJ)

Product number	hose I.D.		Dimension					
	in	mm	dash size	T	E	E1	Cut-off C	A
0901D04-04	1/4	6.4	04	7/16-20	15	12	20	8.5
0901D04-05	1/4	6.4	04	1/2-20	17	14	20	9.5
0901D04-06	1/4	6.4	04	9/16-18	19	14	22	9
0901D06-06	3/8	9.5	06	9/16-18	19	17	24	9
0901D06-08	3/8	9.5	06	3/4-16	24	19	26	10.5
0901D08-08	1/2	12.7	08	3/4-16	24	22	26	10.5
0901D08-10	1/2	12.7	08	7/8-14	27	22	27	13
0901D10-10	5/8	15.9	10	7/8-14	27	22	26	13
0901D10-12	5/8	15.9	10	1.1/16-12	32	27	27	13.5
0901D12-12	3/4	19	12	1.1/16-12	32	27	32	13.5
0901D16-16	1	25.4	16	1.5/16-12	38	36	33	15.5

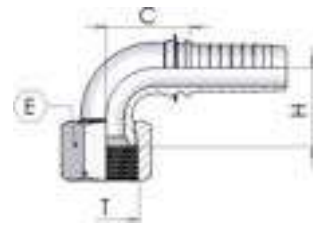
0950



0951



0952



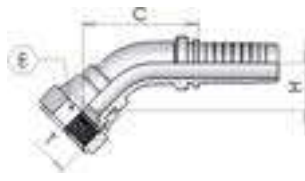
JIC 90° Swept Elbow 74° cone

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0951-03-04	3/16	4.8	03	7/16-20	15	22	22
0951-03-05	3/16	4.8	03	1/2-20	17	22	22
0951-04-04	1/4	6.4	04	7/16-20	15	22	22
0952-04-05	1/4	6.4	04	1/2-20	17	21	27
0952-04-06	1/4	6.4	04	9/16-18	19	21	26
0951-05-05	5/16	7.9	05	1/2-20	17	30	29
0951-05-06	5/16	7.9	05	9/16-18	19	31	29
0951-06-05	3/8	9.5	06	1/2-20	17	33	30
0951-06-06	3/8	9.5	06	9/16-18	19	32	31
0951-06-07	3/8	9.5	06	5/8-18	22	32	33
0952-06-08	3/8	9.5	06	3/4-16	22	34	41
0951-06-10	3/8	9.5	06	7/8-14	27	36	33
0951-08-08	1/2	12.7	08	3/4-16	24	41	41
0952-08-10	1/2	12.7	08	7/8-14	27	34	41
0951-08-12	1/2	12.7	08	1.1/16-12	32	43	42
0951-10-10	5/8	15.9	10	7/8-14	27	44	43
0951-12-10	3/4	19	12	7/8-14	27	53	56
0952-10-12	5/8	15.9	10	1.1/16-12	32	37	47
0952-12-12	3/4	19	12	1.1/16-12	32	45	58
0951-12-14	3/4	19	12	1.3/16-12	36	53	56
0951-12-16	3/4	19	12	1.5/16-12	38	55	60
0951-16-12	1	25.4	16	1.1/16-12	38	55	60
0951-16-16	1	25.4	16	1.5/16-12	32	63	63
0950-20-20	1.1/4	31.8	20	1.5/8-12	50	85	82
0950-24-24	1.1/2	38.1	24	1.7/8-12	55	97	104
0950-32-32	2	50.8	32	2.1/2-12	70	134	124

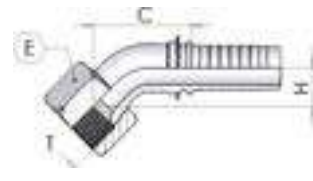
1000



1001



1002



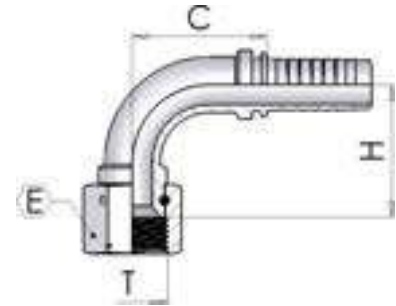
JIC 45° Swept Elbow 74°

(DKJ-45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
1001-03-04	3/16	4.8	03	7/16-20	15	15	33
1001-04-04	1/4	6.4	04	7/16-20	15	13	38
1002-04-05	1/4	6.4	04	1/2-20	17	11	38
1002-04-06	1/4	6.4	04	9/16-18	19	11	38
1001-05-05	5/16	7.9	05	1/2-20	17	17	46
1001-05-06	5/16	7.9	05	9/16-18	19	18	47
1001-06-05	3/8	9.5	06	1/2-20	17	18	49
1001-06-06	3/8	9.5	06	9/16-18	19	17	51
1002-06-08	3/8	9.5	06	3/4-16	22	13	48
1001-06-10	3/8	9.5	06	7/8-14	27	21	54
1001-08-08	1/2	12.7	08	3/4-16	24	22	62
1002-08-10	1/2	12.7	08	7/8-14	27	16	58
1001-08-12	1/2	12.7	08	1.1/16-12	32	25	68
1001-10-10	5/8	15.9	10	7/8-14	27	24	68
1002-10-12	5/8	15.9	10	1.1/16-12	32	18	66
1002-12-12	3/4	19	12	1.1/16-12	32	21	81
1001-12-14	3/4	19	12	1.3/16-12	36	29	84
1001-12-16	3/4	19	12	1.5/16-12	38	28	88
1001-16-16	1	25.4	16	1.5/16-12	38	29	83
1000-20-20	1.1/4	31.8	20	1.5/8-12	50	42	108
1000-24-24	1.1/2	38.1	24	1.7/8-12	55	49	119
1000-32-32	2	50.8	32	2.1/2-12	70	65	142

095S

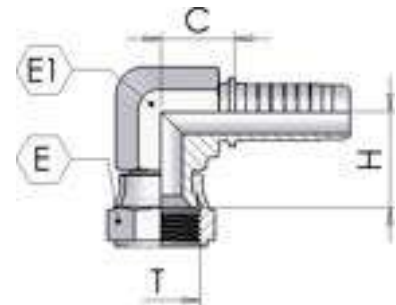
JIC 90° Swept Elbow 74° cone - ISO SHORT



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
095S-04-04	1/4	6.4	04	7/16-20	15	22	25
095S-06-06	3/8	9.5	06	9/16-18	19	23	31
095S-08-08	1/2	12.7	08	3/4-16	24	29	41
095S-10-10	5/8	15.9	10	7/8-14	27	32	43
095S-12-12	3/4	19	12	1.1/16-12	32	48	56
095S-16-16	1	25.4	16	1.5/16-12	41	57	70

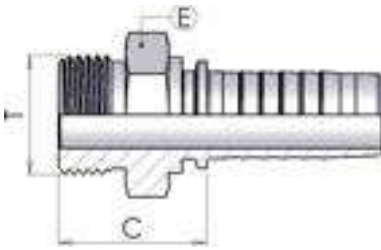
2971

JIC 90° Compact Elbow 74° cone - Crimped Nut (DKJ-90°K)



Product number	hose I.D.		Dimension					
	in	mm	dash size	T	E	E1	drop H	Cut-off C
2971-04-04	1/4	6.4	04	7/16-20	15	15	17	19
2971-04-05	1/4	6.4	04	1/2-20	17	15	18	19
2971-04-06	1/4	6.4	04	9/16-18	19	15	21	19
2971-05-06	5/16	7.9	05	9/16-18	19	17	21	23
2971-06-06	3/8	9.5	06	9/16-18	19	17	20	24
2971-06-08	3/8	9.5	06	3/4-16	24	19	22	25
2971-08-08	1/2	12.7	08	3/4-16	24	22	22.5	26.5
2971-08-10	1/2	12.7	08	7/8-14	27	22	23.5	26.5
2971-12-12	3/4	19.1	12	1.1/16-12	32	27	28.5	31.5
2971-16-16	1	25.4	16	1.5/16-12	38	32	32	33.5

0385



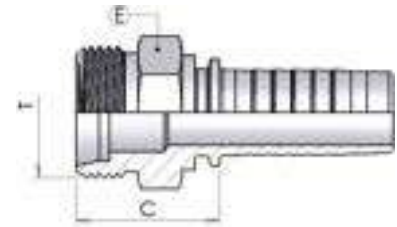
SAE Male O'R Flat Seat

(SAE-OR)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0385-04-04	1/4	6.4	04	7/16-20	14	24
0385-04-06	1/4	6.4	04	9/16-18	17	24
0385-05-06	5/16	7.9	05	9/16-18	17	24
0385-06-06	3/8	9.5	06	9/16-18	17	25
0385-06-08	3/8	9.5	06	3/4-16	22	28
0385-08-08	1/2	12.7	08	3/4-16	22	28
0385-08-10	1/2	12.7	08	7/8-14	27	30
0385-08-12	1/2	12.7	08	1.1/16-12	32	32
0385-10-10	5/8	15.9	10	7/8-14	27	30
0385-10-12	5/8	15.9	10	1.1/16-12	32	32
0385-12-12	3/4	19	12	1.1/16-12	32	33

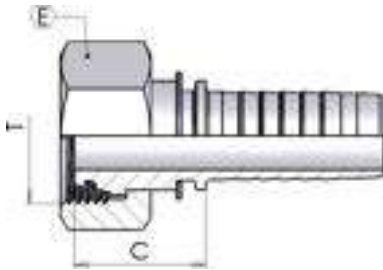
0500

Metric Male 24° Seat Light (CEL)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0500-03-12	3/16	4.8	03	M12-1.5	6	14	22
0500-03-14	3/16	4.8	03	M14-1.5	8	14	22
0500-04-12	1/4	6.4	04	M12-1.5	6	14	23
0500-04-14	1/4	6.4	04	M14-1.5	8	14	22
0500-04-16	1/4	6.4	04	M16-1.5	10	17	23
0500-04-18	1/4	6.4	04	M18-1.5	12	19	24
0500-05-14	5/16	7.9	05	M14-1.5	8	14	22
0500-05-16	5/16	7.9	05	M16-1.5	10	17	23
0500-05-18	5/16	7.9	05	M18-1.5	12	19	24
0500-05-22	5/16	7.9	05	M22-1.5	15	22	25
0500-06-16	3/8	9.5	06	M16-1.5	10	17	23
0500-06-18	3/8	9.5	06	M18-1.5	12	19	24
0500-06-22	3/8	9.5	06	M22-1.5	15	22	25
0500-08-18	1/2	12.7	08	M18-1.5	12	19	25
0500-08-22	1/2	12.7	08	M22-1.5	15	22	26
0500-08-26	1/2	12.7	08	M26-1.5	18	27	27
0500-10-22	5/8	15.9	10	M22-1.5	15	22	26
0500-10-26	5/8	15.9	10	M26-1.5	18	27	27
0500-10-30	5/8	15.9	10	M30-2	22	30	32
0500-12-26	3/4	19	12	M26-1.5	18	27	28
0500-12-30	3/4	19	12	M30-2	22	30	33
0500-16-36	1	25.4	16	M36-2	28	36	32
0500-20-45	1.1/4	31.8	20	M45-2	35	46	36
0500-24-52	1.1/2	38.1	24	M52-2	42	55	38

0085



Metric Female 24° Seat Light

(DKOL)

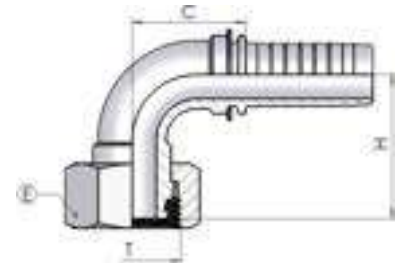
Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0085-03-12	3/16	4.8	03	M12-1.5	6	14	23
0085-03-14	3/16	4.8	03	M14-1.5	8	17	24
0085-04-12*	1/4	6.4	04	M12-1.5	6	14	25
0085-04-14	1/4	6.4	04	M14-1.5	8	17	24
0085-04-16	1/4	6.4	04	M16-1.5	10	19	24
0085-04-18	1/4	6.4	04	M18-1.5	12	22	25
0085-05-14*	5/16	7.9	05	M14-1.5	8	19	26
0085-05-16	5/16	7.9	05	M16-1.5	10	19	24
0085-05-18	5/16	7.9	05	M18-1.5	12	22	25
0085-06-16*	3/8	9.5	06	M16-1.5	10	19	25
0085-06-18	3/8	9.5	06	M18-1.5	12	22	25
0085-06-22	3/8	9.5	06	M22-1.5	15	27	29
0085-08-18*	1/2	12.7	08	M18-1.5	12	24	28
0088-08-18	1/2	12.7	08	M18-1.5	12	22	28
0085-08-22	1/2	12.7	08	M22-1.5	15	27	29
0085-08-26	1/2	12.7	08	M26-1.5	18	32	29
0085-10-22*	5/8	15.9	10	M22-1.5	15	27	31
0085-10-26	5/8	15.9	10	M26-1.5	18	32	29
0085-10-30	5/8	15.9	10	M30-2	22	36	29
0085-12-26*	3/4	19	12	M26-1.5	18	32	35
0085-12-30	3/4	19	12	M30-2	22	36	29
0085-12-36	3/4	19	12	M36-2	28	41	28
0085-16-36	1	25.4	16	M36-2	28	41	30
0085-20-45	1.1/4	31.8	20	M45-2	35	50	40
0085-20-52	1.1/4	31.8	20	M52-2	42	60	43
0085-24-52	1.1/2	38.1	24	M52-2	42	60	41

*Rolled Nut

0185

90° Metric Swept Elbow 24° Seat Light

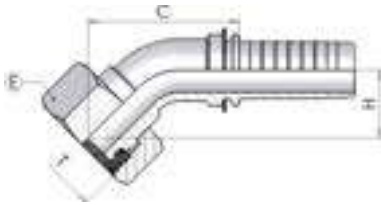
(DKOL-90°)



Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0185-03-12	3/16	4.8	03	M12-1.5	6	14	23	22
0185-03-14	3/16	4.8	03	M14-1.5	8	17	24	23
0185-04-12*	1/4	6.4	04	M12-1.5	6	14	34	26
0185-04-14	1/4	6.4	04	M14-1.5	8	17	26	26
0185-04-16	1/4	6.4	04	M16-1.5	10	19	27	24
0185-04-18	1/4	6.4	04	M18-1.5	12	22	30	27
0185-05-14*	5/16	7.9	05	M14-1.5	8	19	38	30
0185-05-16	5/16	7.9	05	M16-1.5	10	19	31	31
0185-05-18	5/16	7.9	05	M18-1.5	12	22	32	31
0185-06-16*	3/8	9.5	06	M16-1.5	10	19	39	32
0185-06-18	3/8	9.5	06	M18-1.5	12	22	35	32
0185-06-22	3/8	9.5	06	M22-1.5	15	27	35	32
0185-08-18*	1/2	12.7	08	M18-1.5	12	24	48	40
0185-08-22	1/2	12.7	08	M22-1.5	15	27	38	41
0185-08-26	1/2	12.7	08	M26-1.5	18	32	39	41
0185-10-22*	5/8	15.9	10	M22-1.5	15	27	55	42
0185-10-26	5/8	15.9	10	M26-1.5	18	32	44	44
0185-12-30	3/4	19	12	M30-2	22	36	52	58
0185-16-36	1	25.4	16	M36-2	28	41	62	72
0185-20-45	1.1/4	31.8	20	M45-2	35	50	81	84
0185-24-52	1.1/2	38.1	24	M52-2	42	60	93	102

*Rolled Nut

0285

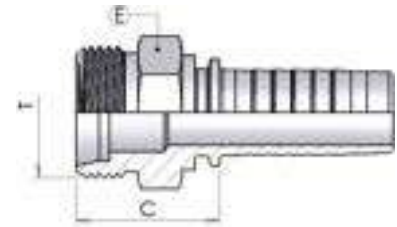


45° Metric Swept Elbow 24° Seat Light

(DKOL-45°)

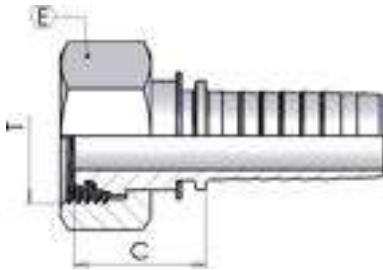
Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	H	Cut-off C
0285-03-12	3/16	4.8	03	M12-1.5	6	14	14	36
0285-04-12*	1/4	6.4	04	M12-1.5	6	14	21	46
0285-04-14	1/4	6.4	04	M14-1.5	8	17	14	42
0285-04-16	1/4	6.4	04	M16-1.5	10	19	15	42
0285-04-18	1/4	6.4	04	M18-1.5	12	22	16	43
0285-05-16	5/16	7.9	05	M16-1.5	10	19	17	48
0285-05-18	5/16	7.9	05	M18-1.5	12	22	18	48
0285-06-16*	3/8	9.5	06	M16-1.5	10	19	22	55
0285-06-18	3/8	9.5	06	M18-1.5	12	22	19	52
0285-06-22	3/8	9.5	06	M22-1.5	15	27	19	51
0285-08-22	1/2	12.7	08	M22-1.5	15	27	21	63
0285-08-26	1/2	12.7	08	M26-1.5	18	32	22	63
0285-10-22*	5/8	15.9	10	M22-1.5	15	27	32	75
0285-10-26	5/8	15.9	10	M26-1.5	18	32	23	68
0285-12-30	3/4	19	12	M30-2	22	36	25	86
0285-16-36	1	25.4	16	M36-2	28	41	29	81
0285-20-45	1.1/4	31.8	20	M45-2	35	50	32	106
0285-24-52	1.1/2	38.1	24	M52-2	42	60	42	118

*Rolled Nut

0450**Metric Male 24° Seat Heavy****(CES)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0450-03-16	3/16	4.8	03	M16-1.5	8	17	26
0450-04-14	1/4	6.4	04	M14-1.5	6	14	25
0450-04-16	1/4	6.4	04	M16-1.5	8	17	27
0450-04-18	1/4	6.4	04	M18-1.5	10	19	27
0450-04-20	1/4	6.4	04	M20-1.5	12	22	27
0450-05-18	5/16	7.9	05	M18-1.5	10	19	27
0450-05-20	5/16	7.9	05	M20-1.5	12	22	29
0450-06-18	3/8	9.5	06	M18-1.5	10	19	27
0450-06-20	3/8	9.5	06	M20-1.5	12	22	29
0450-06-22	3/8	9.5	06	M22-1.5	14	22	31
0450-06-24	3/8	9.5	06	M24-1.5	16	24	31
0450-08-20	1/2	12.7	08	M20-1.5	12	22	29
0450-08-22	1/2	12.7	08	M22-1.5	14	22	31
0450-08-24	1/2	12.7	08	M24-1.5	16	24	32
0450-08-30	1/2	12.7	08	M30-2	20	30	33
0450-10-30	5/8	15.9	10	M30-2	20	30	34
0450-12-30	3/4	19	12	M30-2	20	30	35
0450-12-36	3/4	19	12	M36-2	25	36	38
0450-16-36	1	25.4	16	M36-2	25	36	39
0450-16-42	1	25.4	16	M42-2	30	46	42
0450-20-42	1.1/4	31.8	20	M42-2	30	46	43
0450-20-52	1.1/4	31.8	20	M52-2	38	55	45
0450-24-52	1.1/2	38.1	24	M52-2	38	55	45

0084



Metric Female 24° Seat Heavy

(DKOS)

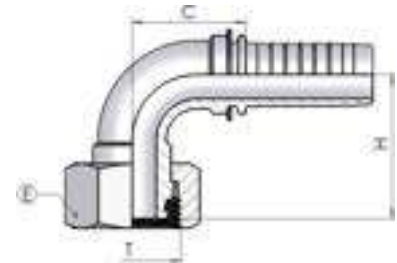
Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	erm.	E	Cut-off C	
0084-03-14	3/16	4.8	03	M14-1.5	6	17	22	
0084-03-16	3/16	4.8	03	M16-1.5	8	19	25	
0084-04-14	1/4	6.4	04	M14-1.5	6	17	23	
0084-04-16	1/4	6.4	04	M16-1.5	8	19	25	
0084-04-18	1/4	6.4	04	M18-1.5	10	22	24	
0084-04-20	1/4	6.4	04	M20-1.5	12	24	22	
0084-05-16	5/16	7.9	05	M16-1.5	8	19	26	
0084-05-18	5/16	7.9	05	M18-1.5	10	22	25	
0084-05-20	5/16	7.9	05	M20-1.5	12	24	25	
0084-06-18	3/8	9.5	06	M18-1.5	10	22	25	
0084-06-20	3/8	9.5	06	M20-1.5	12	24	25	
0084-06-22	3/8	9.5	06	M22-1.5	14	27	29	
0084-06-24	3/8	9.5	06	M24-1.5	16	30	29	
0084-08-20*	1/2	12.7	08	M20-1.5	12	27	28	(*)
0084-08-22	1/2	12.7	08	M22-1.5	14	27	17	
0084-08-24	1/2	12.7	08	M24-1.5	16	30	30	
0084-08-30	1/2	12.7	08	M30-2	20	36	33	
0084-10-24*	5/8	15.9	10	M24-1.5	16	30	31	(*)
0084-10-30	5/8	15.9	10	M30-2	20	36	33	
0084-12-30	3/4	19	12	M30-2	20	36	34	
0084-12-36	3/4	19	12	M36-2	25	46	40	
0084-16-36	1	25	16	M36-2	25	46	41	
0084-16-42	1	25	16	M42-2	30	50	43	
0084-20-52	1.1/4	31.8	20	M52-2	38	60	44	
0084-24-52	1.1/2	38.1	24	M52-2	38	60	44	

*Rolled Nut

0184

90° Metric Swept Elbow 24° Seat Heavy

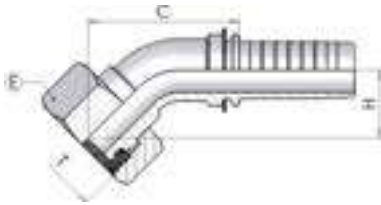
(DKOS-90°)



Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0184-03-16	3/16	4.8	03	M16-1.5	8	19	25	22
0184-04-14	1/4	6.4	04	M14-1.5	6	17	26	27
0184-04-16	1/4	6.4	04	M16-1.5	8	19	26	26
0184-04-18	1/4	6.4	04	M18-1.5	10	22	31	27
0184-04-20	1/4	6.4	04	M20-1.5	12	24	30	27
0184-05-18	5/16	7.9	05	M18-1.5	10	22	33	33
0184-05-20	5/16	7.9	05	M20-1.5	12	24	34	30
0184-06-18	3/8	9.5	06	M18-1.5	10	22	35	34
0184-06-20	3/8	9.5	06	M20-1.5	12	24	34	34
0184-06-22	3/8	9.5	06	M22-1.5	14	27	33	33
0184-06-24	3/8	9.5	06	M24-1.5	16	30	35	33
0184-08-20*	1/2	12.7	08	M20-1.5	12	27	48	40
0184-08-22	1/2	12.7	08	M22-1.5	14	27	41	41
0184-08-24	1/2	12.7	08	M24-1.5	16	30	41	40
0184-10-24*	5/8	15.9	10	M24-1.5	16	30	60	42
0184-10-30	5/8	15.9	10	M30-2	20	36	50	46
0184-12-30	3/4	19	12	M30-2	20	36	56	58
0184-12-36	3/4	19	12	M36-2	25	46	57	59
0184-16-36	1	25.4	16	M36-2	25	46	67	77
0184-16-42	1	25.4	16	M42-2	30	50	67	72
0184-20-52	1.1/4	31.8	20	M52-2	38	60	82	84
0184-24-52	1.1/2	38.1	24	M52-2	38	60	105	105

*Rolled Nut

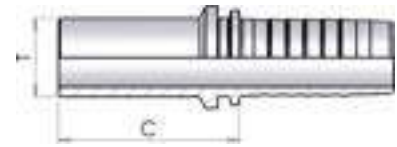
0284



45° Metric Swept Elbow 24° Seat Heavy

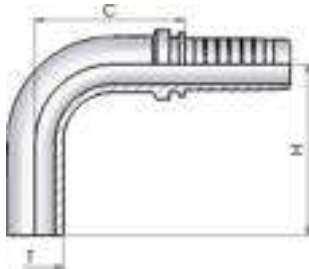
(DKOS-45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0284-03-16	3/16	4.8	03	M16-1.5	8	19	36
0284-04-14	1/4	6.4	04	M14-1.5	6	17	37
0284-04-16	1/4	6.4	04	M16-1.5	8	19	42
0284-04-18	1/4	6.4	04	M18-1.5	10	22	45
0284-05-20	5/16	7.9	05	M20-1.5	12	24	49
0284-06-18	3/8	9.5	06	M18-1.5	10	22	51
0284-06-20	3/8	9.5	06	M20-1.5	12	24	53
0284-06-22	3/8	9.5	06	M22-1.5	14	27	54
0284-08-24	1/2	12.7	08	M24-1.5	16	30	63
0284-10-30	5/8	15.9	10	M30-2	20	36	74
0284-12-30	3/4	19	12	M30-2	20	36	87
0284-12-36	3/4	19	12	M36-2	25	46	75
0284-16-36	1	25.4	16	M36-2	25	46	85
0284-16-42	1	25.4	16	M42-2	30	50	85
0284-20-52	1.1/4	31.8	20	M52-2	38	60	105
0284-24-52	1.1/2	38.1	24	M52-2	38	60	129

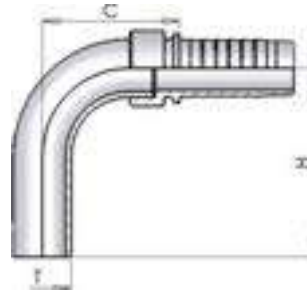
0550**Metric Standpipe****(BEL-BES)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	Pipe T	Type	Cut-off C
0550-03-06	3/16	4.8	03	6	L/S	30
0550-03-08	3/16	4.8	03	8	L/S	29
0550-04-06	1/4	6.4	04	6	L/S	32
0550-04-08	1/4	6.4	04	8	L/S	30
0550-04-10	1/4	6.4	04	10	L/S	33
0550-04-12	1/4	6.4	04	12	L/S	30
0550-05-08	5/16	7.9	05	08	L/S	31
0550-05-10	5/16	7.9	05	10	L/S	31
0550-05-12	5/16	7.9	05	12	L/S	33
0550-06-08	3/8	9.5	06	08	L/S	33
0550-06-10	3/8	9.5	06	10	L/S	33
0550-06-12	3/8	9.5	06	12	L/S	32
0550-06-14	3/8	9.5	06	14	S	37
0550-06-15	3/8	9.5	06	15	L	32
0550-08-12	1/2	12.7	08	12	L/S	36
0550-08-15	1/2	12.7	08	15	L	34
0550-08-16	1/2	12.7	08	16	S	39
0550-08-18	1/2	12.7	08	18	L	35
0550-10-18	5/8	15.9	10	18	L	35
0550-10-20	5/8	15.9	10	20	S	45
0550-10-22	5/8	15.9	10	22	L	33
0550-12-18	3/4	19	12	18	L	37
0550-12-20	3/4	19	12	20	S	46
0550-12-22	3/4	19	12	22	L	38
0550-12-25	3/4	19	12	25	S	49
0550-12-28	3/4	19	12	28	L	40
0550-16-25	1	25.4	16	25	S	51
0550-16-28	1	25.4	16	28	L	41
0550-16-30	1	25.4	16	30	S	54
0550-20-30	1.1/4	31.8	20	30	S	58
0550-20-35	1.1/4	31.8	20	35	L	48
0550-24-38	1.1/2	38.1	24	38	S	63
0550-24-42	1.1/2	38.1	24	42	L	50

0650



0650S

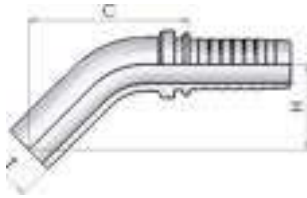


90° Metric Standpipe

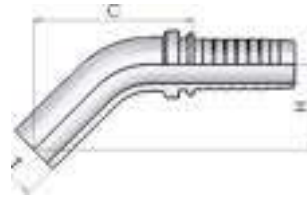
(BEL-BES 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	Pipe T	Type	drop H	Cut-off C
0650-03-06	3/16	4.8	03	6	L/S	32	20
0650S03-08	3/16	4.8	03	8	L/S	41	25
0650-04-06	1/4	6.4	04	6	L/S	32	23
0650-04-08	1/4	6.4	04	8	L/S	34	25
0650-04-10	1/4	6.4	04	10	L/S	43	25
0650S04-12	1/4	6.4	04	12	L/S	44	35
0650-05-10	5/16	7.9	05	10	L/S	40	29
0650-05-12	5/16	7.9	05	12	L/S	45	29
0650-06-10	3/8	9.5	06	10	L/S	40	27
0650-06-12	3/8	9.5	06	12	L/S	44	30
0650S06-15	3/8	9.5	06	15	L	52	39
0650S08-12	1/2	12.7	08	12	L/S	44	33
0650S08-15	1/2	12.7	08	15	L	52	39
0650S08-18	1/2	12.7	08	18	L	56	42
0650S10-18	5/8	15.9	10	18	L	56	51
0650S12-22	3/4	19	12	22	L	71	51
0650S12-25	3/4	19	12	25	S	75	57
0650S16-25	1	25.4	16	25	S	75	57
0650S16-28	1	25.4	16	28	L	89	60
0650S24-42	1 1/2	38.1	24	42	L	125	106

0750



0750S

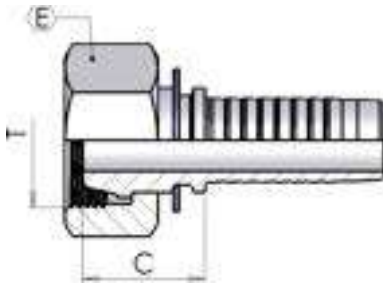


45° Metric Standpipe

(BEL-BES 45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	Pipe T	Type	drop H	Cut-off C
0750-03-06	3/16	4.8	03	6	L/S	25	38
0750-04-06	1/4	6.4	04	6	L/S	24	41
0750-04-08	1/4	6.4	04	8	L/S	25	43
0750-04-10	1/4	6.4	04	10	L/S	30	47
0750-05-10	5/16	7.9	05	10	L/S	30	49
0750-06-10	3/8	9.5	06	10	L/S	33	50
0750-06-12	3/8	9.5	06	12	L/S	29	52
0750S08-12	1/2	12.7	08	12	L	29	51
0750S08-15	1/2	12.7	08	15	L	29	55
0750S08-18	1/2	12.7	08	18	L	29	56
0750S10-18	5/8	15.9	10	18	L	29	56
0750S12-22	3/4	19	12	22	L	35	65

0035



Metric Female 24° Seat Light Multiseal

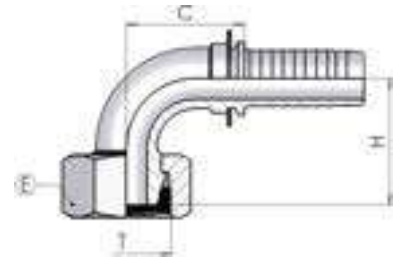
(DKL)

Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	erm.	E	Cut-off C	
0035-03-12	3/16	4.8	03	M12-1.5	6	14	19	
0035-03-16	3/16	4.8	03	M16-1.5	10	19	18	
0035-04-14	1/4	6.4	04	M14-1.5	8	17	19	
0035-04-16	1/4	6.4	04	M16-1.5	10	19	19	
0035-05-16	5/16	7.9	05	M16-1.5	10	19	19	
0035-05-18	5/16	7.9	05	M18-1.5	12	22	21	
0035-06-16	3/8	9.5	06	M16-1.5	10	19	23	*
0035-06-18	3/8	9.5	06	M18-1.5	12	22	23	
0035-06-22	3/8	9.5	06	M22-1.5	15	27	22	
0035-08-22	1/2	12.7	08	M22-1.5	15	27	22	
0035-08-26	1/2	12.7	08	M26-1.5	18	32	24	
0035-10-26	5/8	15.9	10	M26-1.5	18	32	24	
0035-12-30	3/4	19	12	M30-2	22	36	29	
0035-16-36	1	25.4	16	M36-2	28	41	30	

*Rolled Nut

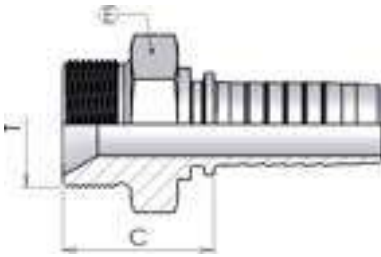
0135

90° Metric Swept Elbow 24° Seat Light Multiseal

(DKL-90°)

Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0135-04-14	1/4	6.4	04	M14-1.5	8	17	25	25
0135-04-16	1/4	6.4	04	M16-1.5	10	19	24	26
0135-05-16	5/16	7.9	05	M16-1.5	10	19	29	32
0135-06-18	3/8	9.5	06	M18-1.5	12	22	30	36
0135-08-22	1/2	12.7	08	M22-1.5	15	27	38	41

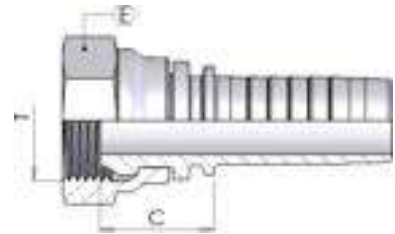
0400



Metric Male 60° cone

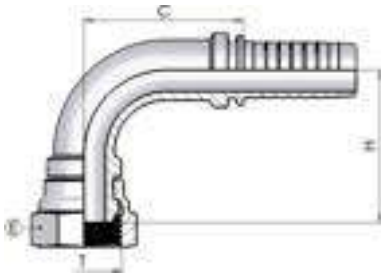
(AGM)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0400-03-10	3/16	4.8	03	M10-1	14	19
0400-03-12	3/16	4.8	03	M12-1.5	17	25
0400-04-14	1/4	6.4	04	M14-1.5	19	26
0400-05-16	5/16	7.9	05	M16-1.5	22	26
0400-05-18	5/16	7.9	05	M18-1.5	24	26
0400-06-14	3/8	9.5	06	M14-1.5	19	26
0400-06-16	3/8	9.5	06	M16-1.5	22	26
0400-06-18	3/8	9.5	06	M18-1.5	24	27
0400-08-18	1/2	12.7	08	M18-1.5	24	28
0400-08-22	1/2	12.7	08	M22-1.5	27	30
0400-10-26	5/8	15.9	10	M26-1.5	32	32
0400-12-30	3/4	19	12	M30-1.5	36	36
0400-16-38	1	25.4	16	M38-1.5	46	37
0400-20-45	1.1/4	31.8	20	M45-1.5	55	39

0100**Metric Female 60° cone****(DKM)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0100-03-10	3/16	4.8	03	M10-1	14	15
0100-04-10	1/4	6.4	04	M10-1	14	15
0100-04-14	1/4	6.4	04	M14-1.5	19	17
0100-05-14	5/16	7.9	05	M14-1.5	19	17
0100-05-16	5/16	7.9	05	M16-1.5	22	19
0100-05-18	5/16	7.9	05	M18-1.5	24	19
0100-06-14	3/8	9.5	06	M14-1.5	19	17
0100-06-16	3/8	9.5	06	M16-1.5	22	19
0100-06-18	1/2	12.7	08	M18-1.5	24	19
0100-08-18	1/2	12.7	08	M18-1.5	24	20
0100-08-20	1/2	12.7	08	M20-1.5	27	22.5
0100-08-22	1/2	12.7	08	M22-1.5	27	22.5
0100-10-26	5/8	15.9	10	M26-1.5	32	25
0100-12-30	3/4	19	12	M30-1.5	36	26
0100-16-38	1	25.4	16	M38-1.5	46	33
0100-20-45	1.1/4	31.8	20	M45-1.5	50	34
0100-24-52	1.1/2	38.1	24	M52x1.5	60	35
0100-32-65	2	50.8	32	M65-2	75	31

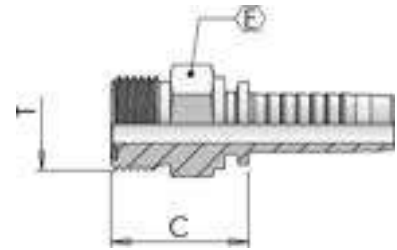
0200



90° Metric Swept Elbow 60° cone

(DKM-90°)

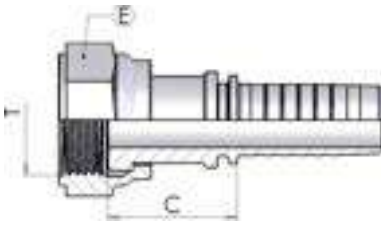
Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0200-03-10	3/16	4.8	03	M10-1	14	23	22
0200-04-10	1/4	6.4	04	M10-1	14	25	24
0200-04-14	1/4	6.4	04	M14-1.5	19	26	24
0200-05-14	5/16	7.9	05	M14-1.5	19	31	29
0200-05-16	5/16	7.9	05	M16-1.5	22	35	29
0200-05-18	5/16	7.9	05	M18-1.5	24	35	29
0200-06-16	3/8	9.5	06	M16-1.5	22	34	33
0200-06-18	3/8	9.5	06	M18-1.5	24	34	33
0200-08-22	1/2	12.7	08	M22-1.5	27	40	41
0200-12-30	3/4	19	12	M30-1.5	36	36	57
0200-16-38	1	25.4	16	M38-1.5	46	71	70

S350**ORFS Male****(AGO)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
S350-04-06-B0	1/4	6.4	04	9/16-18	17	23
S350-04-09-B0	1/4	6.4	04	11/16-16	19	21
S350-05-09-B0	5/16	7.9	05	11/16-16	19	26
S350-06-09-B0	3/8	9.5	06	11/16-16	19	26
S350-06-11-B0	3/8	9.5	6	13/16-16	22	29
S350-08-11-B0	1/2	12.7	08	13/16-16	22	29
S350-08-13-B0	1/2	12.7	08	1-14	27	34
S350-08-14-B0	1/2	12.7	08	1.3/16-12	32	35
S350-10-13-B0	5/8	15.9	10	1-14	27	33
S350-10-14-B0	5/8	15.9	10	1.3/16-12	32	35
S350-12-14-B0	3/4	19	12	1.3/16-12	32	36
S350-12-15-B0	3/4	19	12	1.7/16-12	38	36
S350-16-15-B0	1	25.4	16	1.7/16-12	38	37
S350-16-21-B0	1	25.4	16	1.11/16-12	46	38
S350-20-21-B0	1.1/4	31.8	20	1.11/16-12	46	39

- with plug and O-Ring

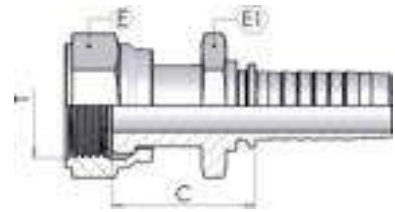
S050



ORFS Female

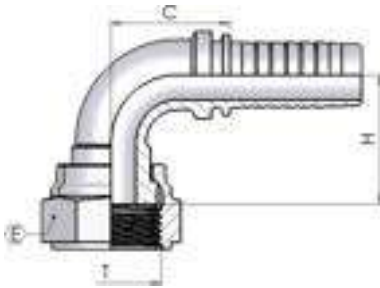
(ORFS)

Product number	hose I.D.		Dimension				Note
	in	mm	dash size	T	E	Cut-off C	
S050-04-06	1/4	6.4	04	9/16-18	19	25	
S050-04-09	1/4	6.4	04	11/16-16	22	29	
S050-05-09	5/16	7.9	05	11/16-16	22	29	
S050-06-09	3/8	9.5	06	11/16-16	22	29	
S050-06-11	3/8	9.5	06	13/16-16	24	30	
S050-08-11	1/2	12.7	08	13/16-16	24	32	
S050-08-13	1/2	12.7	08	1-14	30	35	
S050-08-14	1/2	12.7	08	1.3/16-12	36	37	
S050-10-13	5/8	15.9	10	1-14	30	35	
S050-10-14	5/8	15.9	10	1.3/16-12	36	34	
S050-12-13	3/4	19	12	1-14	30	37	
S050-12-14	3/4	19	12	1.3/16-12	36	35	
S050-12-15	3/4	19	12	1.7/16-12	41	41	
S050-16-15	1	25.4	16	1.7/16-12	41	39	
S050-20-21	1.1/4	31.8	20	1.11/16-12	50	40	Slip on nut
S050-24-32	1.1/2	38.1	24	2-12	60	41	Slip on nut

S05T**ORFS Female Back Hexagon****(ORFS)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
S05T-04-06	1/4	6.4	04	9/16-18	17	15	30
S05T-06-09	3/8	9.5	06	11/16-16	22	17	34
S05T-08-11	1/2	12.7	08	13/16-16	24	19	37
S05T-10-13	5/8	15.9	10	1-14	30	24	41
S05T-12-14	3/4	19	12	1.3/16-12	36	30	42
S05T-16-15	1	25.4	16	1.7/16-12	41	36	50

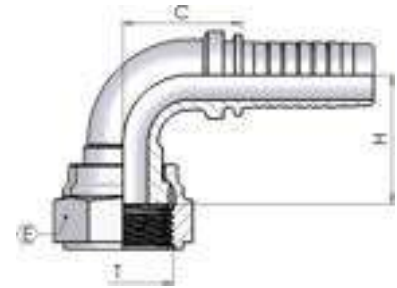
S150



ORFS 90° Swept Elbow

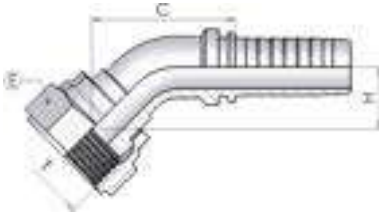
(ORFS-90°)

Product number	hose I.D.		Dimension				Note
	in	mm	dash size	T	E	Cut-off C	
S150-04-06	1/4	6.4	04	9/16-18	19	25	
S150-04-09	1/4	6.4	04	11/16-16	22	25	
S150-05-09	5/16	7.9	05	11/16-16	22	29	
S150-06-09	3/8	9.5	06	11/16-16	22	33	
S150-06-11	3/8	9.5	06	13/16-16	24	33	
S150-08-11	1/2	12.7	08	13/16-16	24	43	
S150-08-13	1/2	12.7	08	1-14	30	42	
S150-08-14	1/2	12.7	08	1.3/16-12	36	42	
S150-10-13	5/8	15.9	10	1-14	30	44	
S150-10-14	5/8	15.9	10	1.3/16-12	36	42	Welded
S150-12-13	3/4	19	12	1-14	30	42	Welded
S150-12-14	3/4	19	12	1.3/16-12	36	57	
S150-12-15	3/4	19	12	1.7/16-12	41	56	
S150-16-15	1	25.4	16	1.7/16-12	41	67	
S150-16-21	1	25.4	20	1.11/16-12	50	62	Welded
S150-20-21	1.1/4	31.8	20	1.11/16-12	50	63	Welded
S150-24-32	1.1/2	38.1	24	2-12	60	80	Welded

S15S**ORFS 90° Swept Elbow - ISO SHORT****(ORFS-90° S)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
S15S-04-06	1/4	6.4	04	9/16-18	19	21	25
S15S-06-09	3/8	9.5	06	11/16-16	22	23	33
S15S-08-11	1/2	12.7	08	13/16-16	24	29	43
S15S-08-13	1/2	12.7	08	1-14	30	32	39
S15S-10-13	5/8	15.9	10	1-14	30	32	47
S15S-12-14	3/4	19	12	1.3/16-12	36	48	57
S15S-16-15	1	25.4	16	1.7/16-12	41	56	67

S250



ORFS 45° Swept Elbow

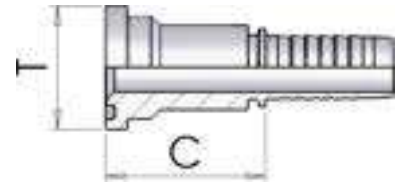
(ORFS-45°)

Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
S250-04-06	1/4	6.4	04	9/16-18	19	14	40	
S250-04-09	1/4	6.4	04	11/16-16	22	14	38	
S250-05-09	5/16	7.9	05	11/16-16	22	14	44	
S250-06-09	3/8	9.5	06	11/16-16	22	17	52	
S250-06-11	3/8	9.5	06	13/16-16	24	18	51	
S250-08-11	1/2	12.7	08	13/16-16	24	20	62	
S250-08-13	1/2	12.7	08	1-14	30	23	64	
S250-08-14	1/2	12.7	08	1.3/16-12	36	17	44	Welded
S250-10-13	5/8	15.9	10	1-14	30	22	67	
S250-10-14	5/8	15.9	10	1.3/16-12	36	18	44	Welded
S250-12-13	3/4	19	12	1-14	30	15	40	Welded
S250-12-14	3/4	19	12	1.3/16-12	36	23	84	
S250-12-15	3/4	19	12	1.7/16-12	41	26	84	
S250-16-15	1	25.4	16	1.7/16-12	41	27	78	
S250-20-21	1.1/4	31.8	20	1.11/16-12	50	44	125	Welded
S250-24-32	1.1/2	38.1	24	2-12	60	29	78	Welded

1260

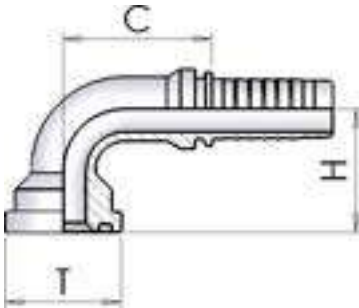
Straight SAE Flange 3000 PSI

(SFL)



Product number	hose I.D.		Dimension				Note
	in	mm	dash size	T Flange	mm	Cut-off C	
1260-08-08	1/2	12.7	08	1/2	30,2	45	
1260-08-12	1/2	12.7	08	3/4	38.1	50	
1260-10-08	5/8	15.9	10	1/2	30,2	45	
1260-10-10	5/8	15.9	10	5/8	34	56	*
1260-10-12	5/8	15.9	10	3/4	38.1	49	
1260-12-12	3/4	19	12	3/4	38.1	50	
1260-12-16	3/4	19	12	1	44.5	53	
1260-16-16	1	25.4	16	1	44.5	54	
1260-16-20	1	25.4	16	1.1/4	50.8	57	
1260-20-20	1.1/4	31.8	20	1.1/4	50.8	59	
1260-20-24	1.1/4	31.8	20	1.1/2	60.3	62	
1260-24-24	1.1/2	38.1	24	1.1/2	60.3	62	
1260-24-32	1.1/2	38.1	24	2	71.4	67	
1260-32-32	2	50.8	32	2	71.4	68	
1260-32-40	2	50.8	32	2.1/2	84.1	76	
1260-40-40	2.1/2	63,5	40	2.1/2	84	76	
1260-48-48	3	76,2	48	3	102	63	

1060



90° SAE Flange 3000 PSI

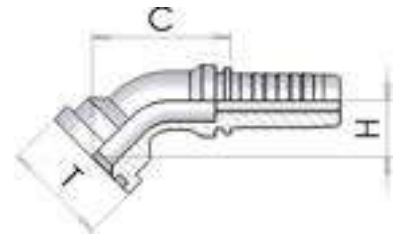
(SFL 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1060-08-08	1/2	12.7	08	1/2	30.2	39	39
1060-08-12	1/2	12.7	08	3/4	38.1	44	42
1060-10-08	5/8	15.9	10	1/2	30.2	42	45
1060-10-12	5/8	15.9	10	3/4	38.1	47	45
1060-12-12	3/4	19	12	3/4	38.1	51	58
1060-12-16	3/4	19	12	1	44.5	55	56
1060-16-16	1	25.4	16	1	44.5	65	70
1060-16-20	1	25.4	16	1.1/4	50.8	70	67
1060-16-24	1	25.4	16	1.1/2	60.3	71	72
1060-20-16	1.1/4	31.8	20	1	44.5	73	83
1060-20-20	1.1/4	31.8	20	1.1/4	50.8	79	85
1060-20-24	1.1/4	31.8	20	1.1/2	60.3	81	85
1060-24-24	1.1/2	38.1	24	1.1/2	60.3	89	101
1060-24-32	1.1/2	38.1	24	2	71.4	90	102
1060-32-32	2	50.8	32	2	71.4	113	134

1160

45° SAE Flange 3000 PSI

(SFL 45°)

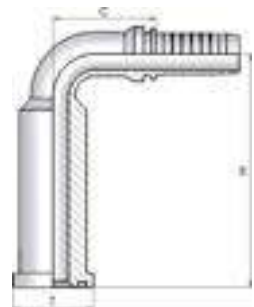


Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1160-08-08	1/2	12.7	08	1/2	30.2	22	62
1160-08-12	1/2	12.7	08	3/4	38.1	25	67
1160-12-12	3/4	19	12	3/4	38.1	25	69
1160-12-16	3/4	19	12	1	44.5	30	88
1160-16-16	1	25.4	16	1	44.5	29	82
1160-20-20	1.1/4	31.8	20	1.1/4	50.8	38	102
1160-20-24	1.1/4	31.8	20	1.1/2	60.3	39	106
1160-24-24	1.1/2	38.1	24	1.1/2	60.3	44	114
1160-24-32	1.1/2	38.1	24	2	71.4	40	115
1160-32-32	2	50.8	32	2	71.4	58	135

FS3L

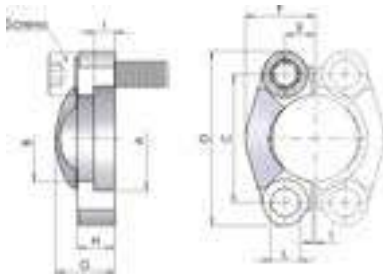
90° SAE Flange 3000 Psi - Long Drop

(SFL 90° L)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
FS3L-12-12	3/4	19	12	3/8	38.1	123	56
FS3L-16-16	1	25.4	16	1	44.5	127	70
FS3L-20-20	1.1/4	31.8	20	1.1/4	50.8	178	85

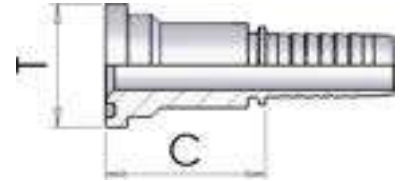
S003



Cut Split Flanges - 3000 psi

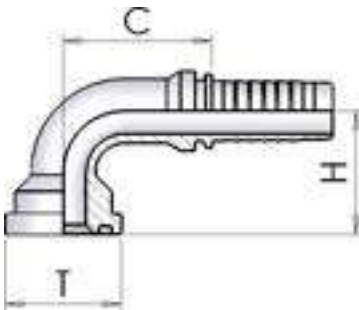
Product number	SAE	Dimension									
	size	A	B	C	D	E	F	G	H	I	L
S003-08	1/2"	30.96	24.3	38.1	54	8.7	22.8	19	13	6.2	8.8
S003-12	3/4"	38.89	32.1	47.6	65	11.1	25.9	22	14	6.2	10.8
S003-16	1"	45.24	38.5	52.4	70	13.1	29.2	24	16	7.5	10.8
S003-20	1.1/4"	51.59	43.7	58.7	79	15.1	36.3	22	14	7.5	12
S003-24	1.1/2"	61.09	50.8	69.9	94	17.9	41.1	25	16	7.5	13.5
S003-32	2"	72.24	62.7	77.8	102	21.4	48.2	26	16	9	13.5
S003-40	2.1/2"	84.94	74.9	88.9	114	25.4	54.1	38	19	9	13.5

This product is sold in pairs

1310**Straight SAE Flange 6000 PSI****(SFS)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
1310-08-08	1/2	12.7	08	1/2	31.8	46
1310-08-12	1/2	12.7	08	3/4	41.3	53
1310-10-12	5/8	15.9	10	3/4	41.3	53
1310-12-12	3/4	19	12	3/4	41.3	54
1310-12-16	3/4	19	12	1	47.6	60
1310-16-16	1	25.4	16	1	47.6	61
1310-16-20	1	25.4	16	1.1/4	54	68
1310-20-20	1.1/4	31.8	20	1.1/4	54	70
1310-20-24	1.1/4	31.8	20	1.1/2	63.5	76
1310-24-24	1.1/2	38.1	24	1.1/2	63.5	76
1310-24-32	1.1/2	38.1	24	2	79.4	85
1310-32-32	2	50.8	32	2	79.4	85

1110



90° SAE Flange 6000 PSI

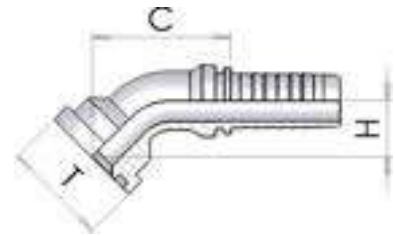
(SFS 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1110-08-08	1/2	12.7	08	1/2	31.8	39	39
1110-08-12	1/2	12.7	08	3/4	41.3	48	39
1110-10-08	5/8	15.9	10	1/2	31.8	42	45
1110-10-12	5/8	15.9	10	3/4	41.3	52	44
1110-12-12	3/4	19	12	3/4	41.3	55	56
1110-12-16	3/4	19	12	1	47.6	63	56
1110-16-12	1	25.4	16	3/4	41.3	64	68
1110-16-16	1	25.4	16	1	47.6	69	70
1110-16-20	1	25.4	16	1.1/4	54	74	71
1110-20-20	1.1/4	31.8	20	1.1/4	54	83	97
1110-20-24	1.1/4	31.8	20	1.1/2	63.5	93	97
1110-24-24	1.1/2	38.1	24	1.1/2	63.5	103	100
1110-32-32	2	50.8	32	2	79.4	136	125

1210

45° SAE Flange 6000 PSI

(SFS 45°)

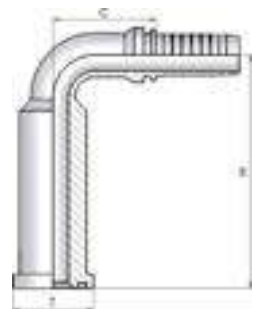


Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1210-08-08	1/2	12.7	08	1/2	31.8	22	62
1210-08-12	1/2	12.7	08	3/4	41.3	28	69
1210-10-08	5/8	15.9	10	1/2	31.8	21	66
1210-10-12	5/8	15.9	10	3/4	41.3	27	75
1210-12-12	3/4	19	12	3/4	41.3	28	74
1210-12-16	3/4	19	12	1	47.6	32	90
1210-16-12	1	25.4	16	3/4	41.3	29	94
1210-16-16	1	25.4	16	1	47.6	34	86
1210-16-20	1	25.4	16	1.1/4	54	37	90
1210-20-20	1.1/4	31.8	20	1.1/4	54	41	111
1210-20-24	1.1/4	31.8	20	1.1/2	63.5	48	118
1210-24-24	1.1/2	38.1	24	1.1/2	63.5	50	122
1210-32-32	2	50.8	32	2	79.4	58	151

FS6L

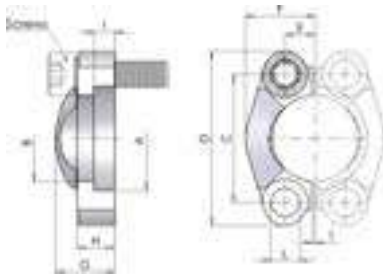
90° SAE Flange 6000 PSI - Long Drop

(SFS 90° L)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
FS6L-08-08	1/2	12.7	08	1/2	32	75	40
FS6L-12-12	3/4	19	12	3/4	41.3	126	56
FS6L-16-16	1	25.4	16	1	47.6	132	70
FS6L-20-20	1.1/4	31.8	20	1.1/4	54	185	82

S006

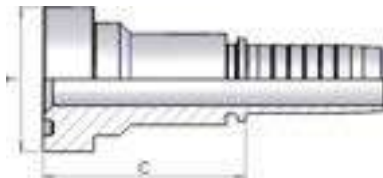


Cut Split Flanges - 6000 psi

Product number	SAE	Dimension									
	size	A	B	C	D	E	F	G	H	I	L
S006-08	1/2"	32.54	24.6	40.5	56	9.1	23.6	22	16	7.2	8.8
S006-12	3/4"	42.06	32.5	50.8	71	11.9	30	28	19	8.3	11
S006-16	1"	48.41	38.9	57.2	81	13.9	34.8	33	24	9	13
S006-20	1 1/4"	54.76	44.5	66.7	95	15.9	38.6	38	27	9.8	15
S006-24	1 1/2"	64.29	51.6	79.4	113	18.3	47.5	43	30	12.1	17
S006-32	2"	80.16	67.6	96.8	133	22.2	56.9	52	37	12.1	21

This product is sold in pairs

130S



Straight 'CAT' Flange

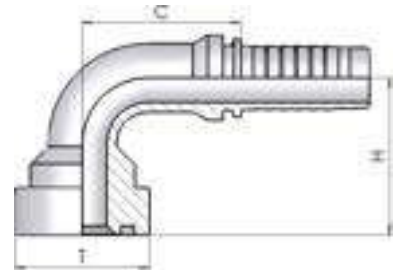
(SFC)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
130S-12-12	3/4	19	12	3/4	41.3	58
130S-12-16	3/4	19	12	1	47.6	64
130S-16-16	1	25.4	16	1	47.6	65
130S-16-20	1	25.4	16	1 1/4	54	73
130S-20-20	1 1/4	31.8	20	1 1/4	54	74
130S-24-24	1 1/2	38.1	24	1 1/2	63.5	80

110S

90° 'CAT' Flange

(SFC 90°)

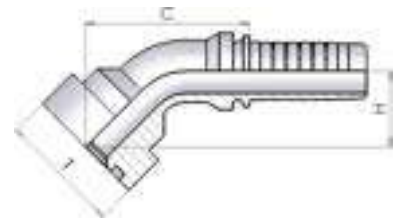


Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
110S-12-12	3/4	19	12	3/4	41.3	62	56
110S-12-16	3/4	19	12	1	47.6	65	56
110S-16-16	1	25.4	16	1	47.6	74	78
110S-16-20	1	25.4	16	1.1/4	54	80	78
110S-20-20	1.1/4	31.8	20	1.1/4	54	90	97
110S-20-24	1.1/4	31.8	20	1.1/2	63.5	95	96
110S-24-24	1.1/2	38.1	24	1.1/2	63.5	104	115

120S

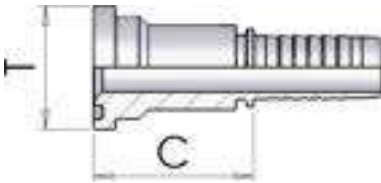
45° 'CAT' Flange

(SFC 45°)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
120S-12-12	3/4	19	12	3/4	41.3	32	88
120S-12-16	3/4	19	12	1	47.6	37	93
120S-16-16	1	25.4	16	1	47.6	37	90
120S-16-20	1	25.4	16	1.1/4	54	44	122
120S-20-20	1.1/4	31.8	20	1.1/4	54	43	114
120S-20-24	1.1/4	31.8	20	1.1/2	63.5	48	119
120S-24-24	1.1/2	38.1	24	1.1/2	63.5	52	172

1250

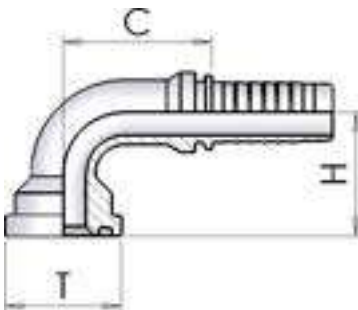


Flangia Komatsu dritta SAE 3000 PSI

(SFL)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
1250-10-10	5/8	15.9	10	5/8	34	56

1050

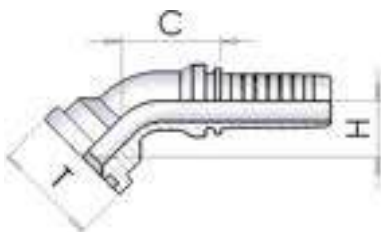


Komatsu Flange 90°

(JIS-KF)

Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T Flange	mm	drop H	Cut-off C	
1050-10-10	5/8	15.9	10	5/8	34	47	58	Welded

1150



Flangia Komatsu 45° SAE 3000 PSI

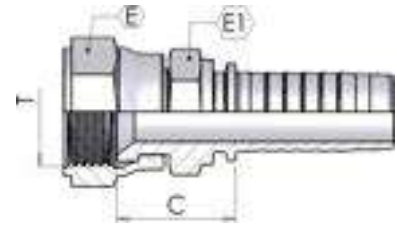
(SFL 45°)

Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T Flange	mm	drop H	Cut-off C	
1150-10-10	5/8	15.9	10	5/8	34	54	23	Welded

0940

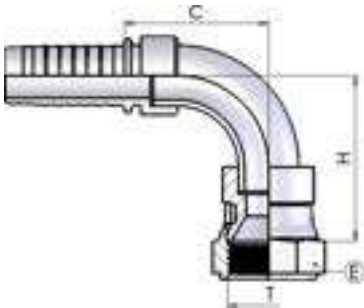
JIS Female 60° Cone (Komatsu)

(JIS-K)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
0940-04-14	1/4	6.4	04	M14x1,5	19	17	22
0940-05-16	5/16	7.9	05	M16x1,5	22	17	22
0940-06-14	3/8	9.5	06	M14x1,5	19	17	22
0940-06-16	3/8	9.5	06	M16x1,5	22	19	22
0940-06-18	3/8	9.5	06	M18x1,5	24	19	21
0940-08-22	1/2	12.7	08	M22x1,5	27	22	27
0940-08-24	1/2	12.7	08	M24x1,5	30	27	25
0940-10-24	5/8	15.9	10	M24x1,5	30	27	26
0940-12-30	3/4	19	12	M30x1,5	36	30	30
0940-16-33	1	25.4	16	M33x1,5	41	36	33
0940-20-36	1.1/4	31.8	20	M36x1,5	46	46	37
0940-24-42	1.1/2	38.1	24	M42x1,5	50	50	38

0990S

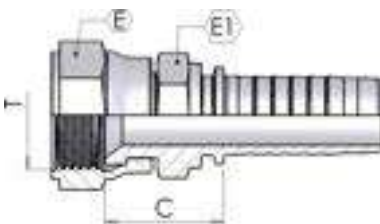


90° JIS Swept Elbow (Komatsu) - welded

(JIS-K 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0990S04-14	1/4	6.4	04	M14x1,5	19	35	38
0990S05-16	5/16	7.9	05	M16x1,5	22	30	27
0990S06-14	3/8	9.5	06	M14x1,5	19	33	31
0990S06-18	3/8	9.5	06	M18x1,5	24	33	31
0990S08-22	1/2	12.7	08	M22x1,5	27	39	33
0990S10-24	5/8	15.9	10	M24x1,5	30	48	42
0990S12-30	3/4	19	12	M30x1,5	36	43	48
0990S16-33	1	25.4	16	M33x1,5	41	62	57

0930



JIS Female 60° cone (Toyota)

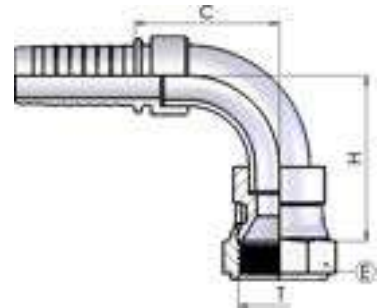
(JIS-T)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
0930-04-04	1/4	6.4	04	1/4-19	19	17	20
0930-06-06	3/8	9.5	06	3/8-19	22	19	22
0930-08-08	1/2	12.7	08	1/2-14	27	22	26
0930-12-12	3/4	19	12	3/4-14	32	30	29
0930-16-16	1	25.4	16	1-11	38	36	31
0930-20-20	1.1/4	31.8	20	1.1/4-11	50	46	35
0930-24-24	1.1/2	38.1	24	1.1/2-11	55	50	28

0980S

90° JIS Swept Elbow (Toyota) - welded

(JIS-T 90°)

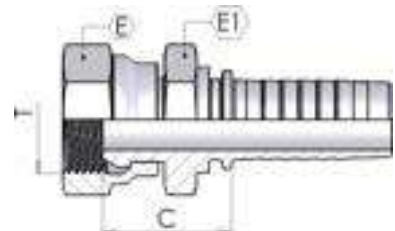


Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0980S04-04	1/4	6.4	04	1/4-19	19	35	38
0980S06-06	3/8	9.5	06	3/8-19	22	30	27
0980S08-08	1/2	12.7	08	1/2-14	27	39	33
0980S12-12	3/4	19	12	3/4-14	32	55	48
0980S16-16	1	25.4	16	1-11	38	62	57

0920

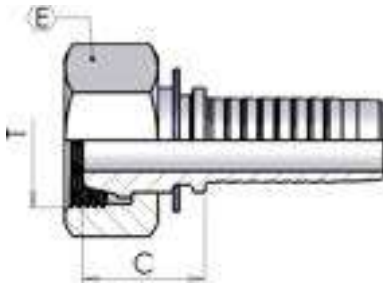
JIS Female 60° cone (Nissan)

(JIS-N)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
0920-04-04	1/4	6.4	04	1/4-19	19	19	23
0920-06-06	3/8	9.5	06	3/8-19	22	22	28
0920-08-08	1/2	12.7	08	1/2-14	27	27	27

0030

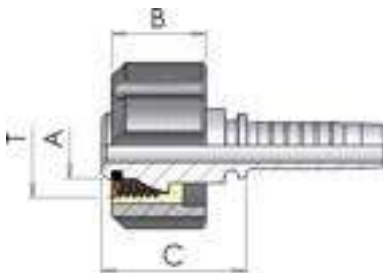


Metric Female 24° Cone French Type

(DKF)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0030-05-20	5/16	7.9	05	M20-1.5	24	25
0030-06-20	3/8	9.5	06	M20-1.5	24	26
0030-08-24	1/2	12.7	08	M24-1.5	30	28
0030-10-30	5/8	15.9	10	M30-1.5	36	25
0030-12-30	3/4	19	12	M30-1.5	36	26
0030-12-36	3/4	19	12	M36-1.5	46	29
0030-16-45	1	25.4	16	M45-1.5	55	30
0030-20-52	1.1/4	31.8	20	M52-1.5	65	34

FK50

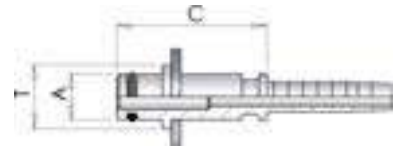


K' Female

Product number	hose I.D.		Dimension				
	in	dash size	mm	T	A	B	Cut-off C
FK50-04-22	1/4	04	6.4	M22-1.5	14	20	31
FK50-05-22	5/16	05	7.9	M22-1.5	14	20	31
FK50-06-22	3/8	06	9.5	M22-1.5	14	20	31
FK50-04022	1/4	04	6.4	M22-1.5	14	27	31
FK50-05022	5/16	05	7.9	M22-1.5	14	27	31
FK50-06022	3/8	06	9.5	M22-1.5	14	27	31

FN50

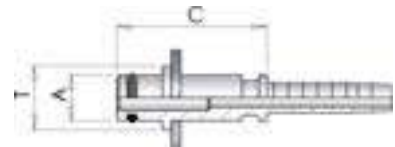
'K' Male (for gun) - Diameter 10



Product number	hose I.D.		Dimension	
	in	mm	dash size	A
FN50-04-22	1/4	6.4	04	10
FN50-05-22	5/16	7.9	05	10
FN50-06-22	3/8	9.5	06	10

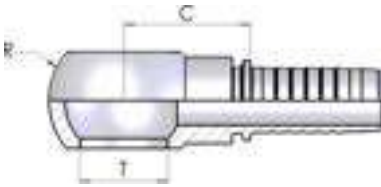
FN51

'K' Male (for gun) - Diameter 11



Product number	hose I.D.		Dimension		
	in	mm	dash size	A	Cut-off C
FN51-04-22	1/4	6.4	04	11	33
FN51-05-22	5/16	7.9	05	11	33

1400



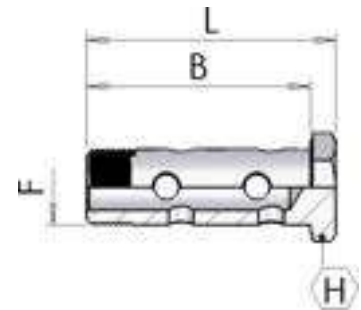
BSP Banjo

RNR

Product number	hose I.D.		Dimension				
	in	mm	dash size	hole T	mm	R	Cut-off C
1400-03-02	3/16	4.8	03	1/8-28	10.2	17	19
1400-03-04	3/16	4.8	03	1/4-19	13.3	24	26
1400-04-02	1/4	6.4	04	1/8-28	10.2	17	25
1400-04-04	1/4	6.4	04	1/4-19	13.3	24	26
1400-04-06	1/4	6.4	04	3/8-19	17	28	26
1400-05-04	5/16	7.9	05	1/4-19	13.3	24	26
1400-05-06	5/16	7.9	05	3/8-19	17	28	26
1400-06-04	3/8	9.5	06	1/4-19	13.3	24	26
1400-06-06	3/8	9.5	06	3/8-19	17	28	26
1400-06-08	3/8	9.5	06	1/2-14	21.2	36	31
1400-08-06	1/2	12.7	08	3/8-19	17	28	27
1400-08-08	1/2	12.7	08	1/2-14	21.2	36	31
1400-08-12	1/2	12.7	08	3/4-14	26.5	45	38
1400-10-12	5/8	15.9	10	3/4-14	26.5	45	38
1400-12-12	3/4	19	12	3/4-14	26.5	45	38
1400-12-16	3/4	19	12	1-11	33.5	58	49
1400-16-16	1	25.4	16	1-11	33.5	58	50

1600

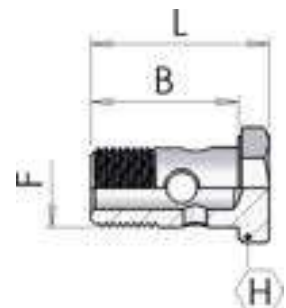
Double BSP Perfored Bolt



Product number	Dimension			
	F	B	L	H
1600-04-04	1/4-19	43	49	19
1600-06-06	3/8-19	49	57	22
1600-08-08	1/2-14	62	70	27
1600-12-12	3/4-14	78	87	32
1600-16-16	1-11	98	109	41

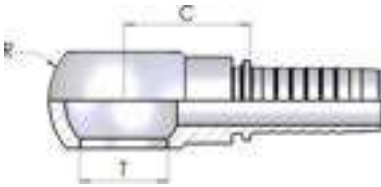
1600-00

BSP Perfored Bolt



Product number	Dimension			
	F	B	L	H
1600-00-02	1/8-28	19	24	14
1600-00-04	1/4-19	29	34	19
1600-00-06	3/8-19	33	41	22
1600-00-08	1/2-14	38	46	27
1600-00-12	3/4-14	47	56	32
1600-00-16	1-11	58	69	41

1350



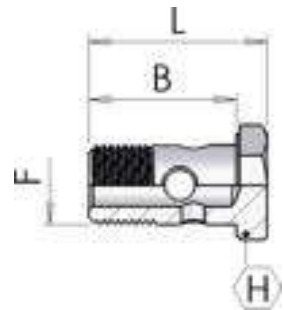
Metric Banjo

RNM

Product number	hose I.D.		Dimension				
	in	mm	dash size	hole T	mm	R	Cut-off C
1350-03-10	3/16	4.8	03	M10-1	10.2	17	25
1350-03-12	3/16	4.8	03	M12-1.5	12.2	20	22
1350-04-10	1/4	6.4	04	M10-1	10.2	17	25
1350-04-12	1/4	6.4	04	M12-1.5	12.2	20	22
1350-04-14	1/4	6.4	04	M14-1.5	14.2	24	26
1350-05-14	5/16	7.9	05	M14-1.5	14.2	24	26
1350-05-16	5/16	7.9	05	M16-1.5	16.2	28	26
1350-05-18	5/16	7.9	05	M18-1.5	18.2	32	29
1350-06-14	3/8	9.5	06	M14-1.5	14.2	24	26
1350-06-16	3/8	9.5	06	M16-1.5	16.2	28	26
1350-06-18	3/8	9.5	06	M18-1.5	18.2	32	29
1350-06-22	3/8	9.5	06	M22-1.5	22.2	36	31
1350-08-16	1/2	12.7	08	M16-1.5	16.2	28	27
1350-08-18	1/2	12.7	08	M18-1.5	18.2	32	29
1350-08-22	1/2	12.7	08	M22-1.5	22.2	36	31
1350-10-22	5/8	15.9	10	M22-1.5	22.2	36	31
1350-10-26	5/8	15.9	10	M26-1.5	26.5	45	38
1350-12-22	3/4	19	12	M22-1.5	22.2	36	32
1350-12-26	3/4	19	12	M26-1.5	26.2	46	38
1350-16-30	1	25.4	16	M30-2	30.2	54	45

1650

Metric perfored bolt



Product number	Dimension			
	F	B	L	H
1650-00-10	M10-1	19	24	14
1650-00-12	M12-1.5	26	31	17
1650-00-14	M14-1.5	29	34	19
1650-00-16	M16-1.5	33	41	22
1650-00-18	M18-1.5	37	44	24
1650-00-22	M22-1.5	38	46	27
1650-00-26	M26-1.5	47	56	32
1650-00-30	M30-1.5	58	68	36

D050

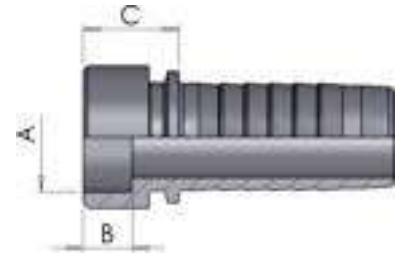


Hose Junction

Product number	hose I.D.		Dimension	
	in	mm	dash size	Cut-off C
D050-03	3/16	4.8	03	17
D050-04	1/4	6.4	04	22
D050-05	5/16	7.9	05	22
D050-06	3/8	9.5	06	22
D050-08	1/2	12.7	08	23
D050-10	5/8	15.9	10	18
D050-12	3/4	19	12	19
D050-16	1	25.4	16	21
D050-20	1.1/4	31.8	20	24
D050-24	1.1/2	38.1	24	24
D050-32	2	50.8	32	26

GS00

Weldable Fitting



Product number	hose I.D.		Dimension			
	in	mm	dash size	A	B	Cut-off C
GS00-03-08	3/16	4.8	03	08	6	12
GS00-04-06	1/4	6.4	04	06	6	14
GS00-04-08	1/4	6.4	04	08	6	14
GS00-04-10	1/4	6.4	04	10	6	15
GS00-04-12	1/4	6.4	04	12	7	17
GS00-05-08	5/16	7.9	05	08	6	14
GS00-05-10	5/16	7.9	05	10	6	14
GS00-05-12	5/16	7.9	05	12	6	14
GS00-06-06	3/8	9.5	06	06	6	15
GS00-06-08	3/8	9.5	06	08	6	15
GS00-06-10	3/8	9.5	06	10	6	14
GS00-06-12	3/8	9.5	06	12	7	15
GS00-06-15	3/8	9.5	06	15	7	14
GS00-08-12	1/2	12.7	08	12	7	15
GS00-08-14	1/2	12.7	08	14	8	15
GS00-08-15	1/2	12.7	08	15	7	15
GS00-08-16	1/2	12.7	08	16	7	15
GS00-08-20	1/2	12.7	08	20	9	18
GS00-10-16	5/8	15.9	10	16	8	16
GS00-10-18	5/8	15.9	10	18	8	16
GS00-10-20	5/8	15.9	10	20	9	18
GS00-12-16	3/4	19	12	16	8	16
GS00-12-18	3/4	19	12	18	8	16
GS00-12-20	3/4	19	12	20	9	18
GS00-12-22	3/4	19	12	22	9	18
GS00-12-25	3/4	19	12	25	9	19
GS00-16-25	1	25.4	16	25	9	19
GS00-16-30	1	25.4	16	30	9	20
GS00-20-35	1.1/4	31.8	20	35	11	23

without zinc plating



N Tail

**0NI4**Swaged Ferrule 4WS (no
skive)**90****0NI6**Swaged Ferrule (no
skive)**90****0370N**

NPTF Male 60° cone

91**0350N**BSP Male Parallel 60°
cone**91****0050N 0051N**

BSP Female 60° Cone

92**0150N 0151N**BSP 90° Swept elbow 60°
cone**93****0250N 0251N**BSP 45° Swept Elbow 60°
Cone**94****0850N**

JIC Male 74° cone

95**0900N 0901N**JIC Female 74° Cone-
Double Hexagon**96****0950N 0951N**JIC 90° Swept Elbow 74°
cone**97****095SN**JIC 90° Swept Elbow 74°
cone - ISO SHORT**97****1000N 1001N**

JIC 45° Swept Elbow 74°

98



0500N



Metric Male 24° Seat
Light

99

0085N



Metric Female 24° Seat
Light

100

0185N



90° Metric Swept Elbow
24° Seat Light

100

0285N



45° Metric Swept Elbow
24° Seat Light

101



0450N



Metric Male 24° Seat
Heavy

101

0084N



Metric Female 24° Seat
Heavy

102

0184N



90° Metric Swept Elbow
24° Seat Heavy

102

0284N



45° Metric Swept Elbow
24° Seat Heavy

103



S350N



ORFS Male

104

S05TN



ORFS Female Back
Hexagon

104

S15SN



ORFS 90° Swept Elbow -
ISO SHORT

105

S250N



ORFS 45° Swept Elbow

105



S150N

ORFS 90° Swept Elbow

106**1250N**Straight SAE Flange
3000 PSI**107****1050N**

90° SAE Flange 3000 PSI

107**1150N**

45° SAE Flange 3000 PSI

108**1300N**Straight SAE Flange
6000 PSI**108****1100N**

90° SAE Flange 6000 PSI

109**1200N**

45° SAE Flange 6000 PSI

110**130SN**

Straight 'CAT' Flange

110**110SN**

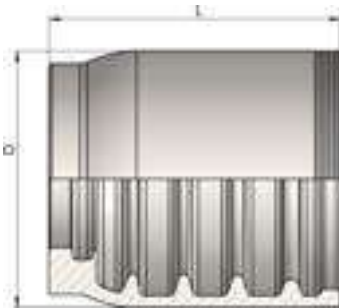
90° 'CAT' Flange

111**120SN**

45° 'CAT' Flange

112

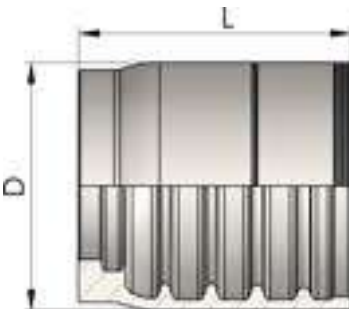
ONI4



Swaged Ferrule 4WS (no skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
ONI4-06	3/8	9.5	30.5	37	NO	SR-ISO
ONI4-08	1/2	12.7	33.5	37.5	NO	SR-ISO
ONI4-10	5/8	15.9	37.5	46	NO	SR-ISO
ONI4-12	3/4	19	44.5	50.5	NO	SR-ISO
ONI4-16	1	25.4	52.5	59.5	NO	SR-ISO
ONI4-20	1.1/4	31.8	60.5	70	NO	SR-ISO
ONI4-24	1.1/2	38.1	69.5	80	NO	SR-ISO

ONI6



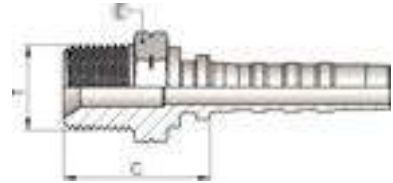
Swaged Ferrule (no skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
ONI6-20	1.1/4	31.8	63.5	70	NO	SR-ISO
ONI6-24	1.1/2	38.1	72.5	80	NO	SR-ISO

0370N

NPTF Male 60° cone

(AGN)

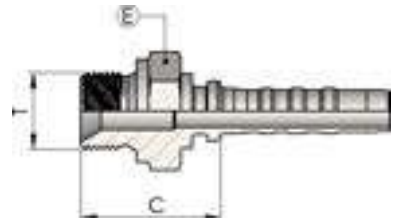


Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0370N06-06	3/8	9.5	06	3/8-18	19	30
0370N06-08	3/8	9.5	06	1/2-14	22	36
0370N08-08	1/2	12.7	08	1/2-14	22	36
0370N12-12	3/4	19	12	3/4-14	27	39
0370N16-16	1	25.4	16	1-11.1/2	36	46
0370N20-20	1.1/4	31.8	20	1.1/4-11.1/2	46	50
0370N24-24	1.1/2	38.1	24	1.1/2-11.1/2	50	54

0350N

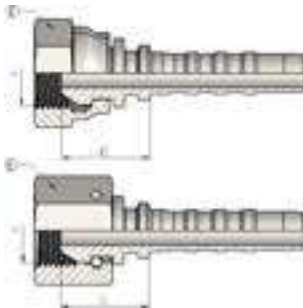
BSP Male Parallel 60° cone

(AGR)



Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0350N06-06	3/8	9.5	06	3/8-19	22	31
0350N06-08	3/8	9.5	06	1/2-14	27	34
0350N08-08	1/2	12.7	08	1/2-14	27	34
0350N10-10	5/8	15.9	10	5/8-14	30	37
0350N10-12	5/8	15.9	10	3/4-14	32	37
0350N12-12	3/4	19	12	3/4-14	32	38
0350N12-16	3/4	19	12	1-11	41	41
0350N16-16	1	25.4	16	1-11	41	42
0350N16-20	1	25.4	16	1.1/4-11	50	46
0350N20-20	1.1/4	31.8	20	1.1/4-11	50	48
0350N24-24	1.1/2	38.1	24	1.1/2-11	55	51

0050N 0051N



BSP Female 60° Cone

(DKR)

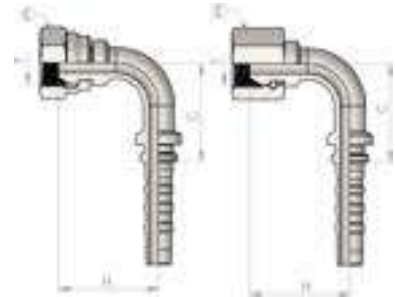
Product number	hose I.D.		Dimension				Note
	in	mm	dash size	T	E	Cut-off C	
0051N06-06	3/8	9.5	06	3/8-19	22	21	
0051N06-08	3/8	9.5	06	1/2-14	27	24	
0051N08-08	1/2	12.7	08	1/2-14	27	24	
0051N10-10	5/8	15.9	10	5/8-14	30	22	
0050N10-12	5/8	15.9	10	3/4-14	32	27	
0050N12-12	3/4	19	12	3/4-14	32	27	
0050N12-16	3/4	19	12	1-11	41	28	
0050N16-16	1	25.4	16	1-11	41	30	
0050N20-20	1.1/4	31.8	20	1.1/4-11	50	34	(*)
0050N20-24	1.1/4	31.8	20	1.1/2-11	55	36	(*)
0050N24-24	1.1/2	38.1	24	1.1/2-11	55	39	(*)

(*) - Femmina BSP con O-Ring.



0150N 0151N

BSP 90° Swept elbow 60° cone

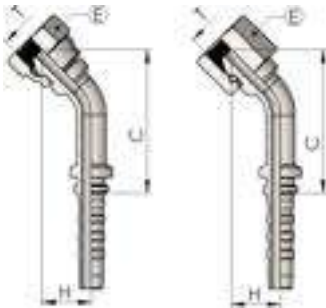


Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
0151N06-06	3/8	9.5	06	3/8-19	22	35	33	
0151N06-08	3/8	9.5	06	1/2-14	27	40	31	
0151N08-08	1/2	12.7	08	1/2-14	27	41	39	
0151N10-10	5/8	15.9	10	5/8-14	30	43	44	
0150N10-12	5/8	15.9	10	3/4-14	32	50	45	
0150N12-12	3/4	19	12	3/4-14	32	57	59	
0150N16-16	1	25.4	16	1-11	41	70	78	
0150N16-20	1	25.4	16	1.1/4-11	50	76	77	(*)
0150N20-20	1.1/4	31.8	20	1.1/4-11	50	84	97	(*)
0150N24-24	1.1/2	38.1	24	1.1/2-11	55	104	110	(*)

(*) - BSP O-Ring Female



0250N 0251N



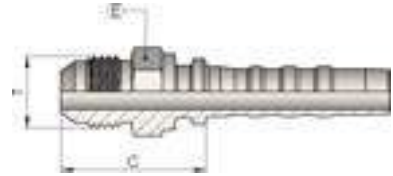
BSP 45° Swept Elbow 60° Cone

(DKR-45°)

Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
0251N06-06	3/8	9.5	06	3/8-19	22	19	54	
0251N06-08	3/8	9.5	06	1/2-14	27	21	57	
0251N08-08	1/2	12.7	08	1/2-14	27	24	66	
0251N10-10	5/8	15.9	10	5/8-14	30	23	70	
0250N10-12	5/8	15.9	10	3/4-14	32	27	74	
0250N12-12	3/4	19	12	3/4-14	32	28	88	
0250N16-16	1	25.4	16	1-11	41	38	116	
0250N16-20	1	25.4	16	1.1/4-11	50	33	70	(*)
0250N20-20	1.1/4	31.8	20	1.1/4-11	50	41	103	(*)
0250N24-24	1.1/2	38.1	24	1.1/2-11	55	54	172	(*)

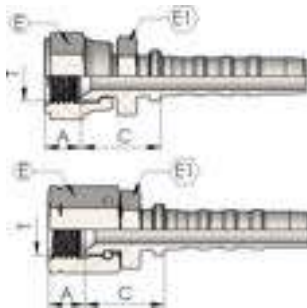
(*) - BSP O-Ring Female



0850N**JIC Male 74° cone****(AGJ)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0850N06-06	3/8	9.5	06	9/16-18	15	29
0850N06-08	3/8	9.5	06	3/4-16	19	32
0850N08-08	1/2	12.7	08	3/4-16	19	32
0850N08-10	1/2	12.7	08	7/8-14	24	36
0850N08-12	1/2	12.7	08	1.1/16-12	27	38
0850N10-10	5/8	15.9	10	7/8-14	24	37
0850N12-12	3/4	19	12	1.1/16-12	27	40
0850N16-16	1	25.4	16	1.5/16-12	34	45
0850N20-20	1.1/4	31.8	20	1.5/8-12	42	50
0850N24-24	1.1/2	38.1	24	1.7/8-12	55	52

0900N 0901N



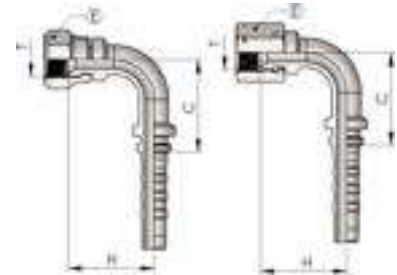
JIC Female 74° Cone- Double Hexagon

(DKJ)

Product number	hose I.D.		Dimension					
	in	mm	dash size	T	E	E1	Cut-off C	A
0901N06-06	3/8	9.5	06	9/16-18	19	17	26	9
0901N06-08	3/8	9.5	06	3/4-16	24	19	28	10.5
0901N08-08	1/2	12.7	08	3/4-16	24	22	28	10.5
0901N08-10	1/2	12.7	08	7/8-14	27	22	28	13
0900N08-12	1/2	12.7	08	1.1/16-12	32	27	33	13.5
0901N10-10	5/8	15.9	10	7/8-14	27	22	28	13
0900N12-12	3/4	19	12	1.1/16-12	32	27	34	13.5
0900N16-16	1	25.4	16	1.5/16-12	38	36	35	15.5
0900N20-20	1.1/4	31.8	20	1.5/8-12	50	46	42	16.5
0900N24-24	1.1/2	38.1	24	1.7/8-12	55	50	46	19

0950N 0951N

JIC 90° Swept Elbow 74° cone



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0951N06-06	3/8	9.5	06	9/16-18	19	32	31
0951N06-08	3/8	9.5	06	3/4-16	24	34	35
0951N08-08	1/2	12.7	08	3/4-16	24	41	41
0951N08-10	1/2	12.7	08	7/8-14	27	40	41
0950N08-12	1/2	12.7	08	1.1/16-12	32	43	39
0950N10-10	5/8	15.9	10	7/8-14	27	45	42
0950N12-12	3/4	19	12	1.1/16-12	32	54	56
0950N16-16	1	25.4	16	1.5/16-12	41	65	70
0950N20-20	1.1/4	31.8	20	1.5/8-12	50	85	82
0950N24-24	1.1/2	38.1	24	1.7/8-12	55	97	104

095SN

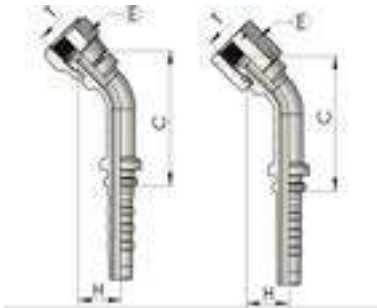
JIC 90° Swept Elbow 74° cone - ISO SHORT



Product number	hose I.D.		Dimension		
	in	mm	dash size	T	E
095SN06-06	3/8	9.5	06	9/16-18	19
095SN08-08	1/2	12.7	08	3/4-16	24
095SN10-10	5/8	15.9	10	7/8-14	27
095SN12-12*	3/4	19	12	1.1/16-12	32

*Thrust Wire Nut

1000N 1001N



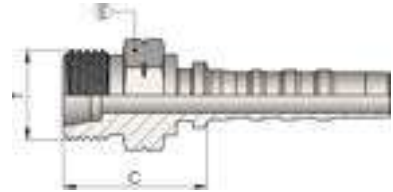
JIC 45° Swept Elbow 74°

(DKJ-45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
1001N06-06	3/8	9.5	06	9/16-18	19	17	51
1001N06-08	3/8	9.5	06	3/4-16	24	19	51
1001N08-08	1/2	12.7	08	3/4-16	24	22	62
1001N08-10	1/2	12.7	08	7/8-14	27	23	64
1000N08-12	1/2	12.7	08	1.1/16-12	32	25	68
1001N10-10	5/8	15.9	10	7/8-14	27	24	68
1000N12-12	3/4	19	12	1.1/16-12	32	28	84
1000N16-16	1	25.4	16	1.5/16-12	41	32	83
1000N20-20	1.1/4	31.8	20	1.5/8-12	50	42	108
1000N24-24	1.1/2	38.1	24	1.7/8-12	55	49	156

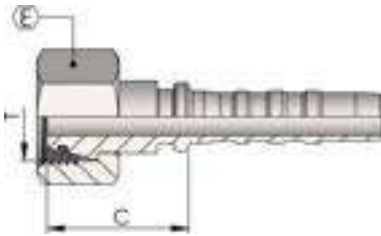
0500N

Metric Male 24° Seat Light
(CEL)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0500N06-16	3/8	9.5	06	M16-1.5	10	17	23
0500N06-18	3/8	9.5	06	M18-1.5	12	19	24
0500N06-22	3/8	9.5	06	M22-1.5	15	22	25
0500N08-18	1/2	12.7	08	M18-1.5	12	19	25
0500N08-22	1/2	12.7	08	M22-1.5	15	22	26
0500N08-26	1/2	12.7	08	M26-1.5	18	27	27
0500N10-22	5/8	15.9	10	M22-1.5	15	22	26
0500N10-26	5/8	15.9	10	M26-1.5	18	27	27
0500N10-30	5/8	15.9	10	M30-2	22	30	32
0500N12-26	3/4	19	12	M26-1.5	18	27	28
0500N12-30	3/4	19	12	M30-2	22	30	33
0500N16-36	1	25.4	16	M36-2	28	36	32
0500N20-45	1.1/4	31.8	20	M45-2	35	46	36
0500N24-52	1.1/2	38.1	24	M52-2	42	55	38

0085N

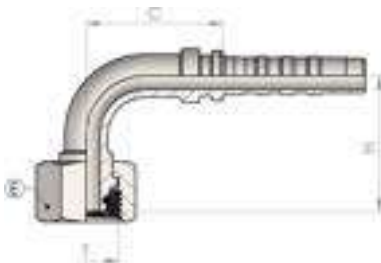


Metric Female 24° Seat Light

(DKOL)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0085N06-18	3/8	9.5	06	M18-1.5	12	22	27
0085N08-22	1/2	12.7	08	M22-1.5	15	27	30
0085N10-26	5/8	15.9	10	M26-1.5	18	32	31
0085N12-30	3/4	19	12	M30-2	22	36	31
0085N16-36	1	25.4	16	M36-2	28	41	32
0085N20-45	1.1/4	31.8	20	M45-2	35	50	43
0085N24-52	1.1/2	38.1	24	M52-2	42	60	46

0185N



90° Metric Swept Elbow 24° Seat Light

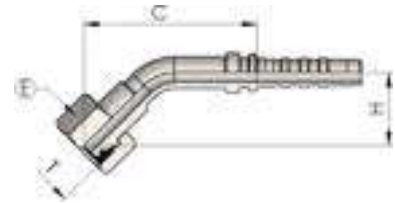
(DKOL-90°)

Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0185N06-18	3/8	9.5	06	M18-1.5	12	22	33	34
0185N08-22	1/2	12.7	08	M22-1.5	15	27	41	41
0185N10-26	5/8	15.9	10	M26-1.5	18	32	44	44
0185N12-30	3/4	19	12	M30-2	22	36	52	58
0185N16-36	1	25.4	16	M36-2	28	41	62	72
0185N20-45	1.1/4	31.8	20	M45-2	35	50	73	63
0185N24-52	1.1/2	38.1	24	M52-2	42	60	83	81

0285N

45° Metric Swept Elbow 24° Seat Light

(DKOL-45°)

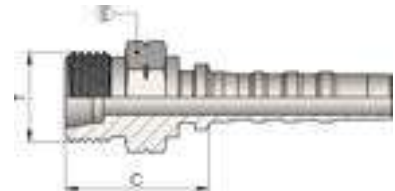


Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	H	Cut-off C
0285N06-18	3/8	9.5	06	M18-1.5	12	22	19	52
0285N08-22	1/2	12.7	08	M22-1.5	15	27	21	63
0285N10-26	5/8	15.9	10	M26-1.5	18	32	23	68
0285N16-36	1	25.4	16	M36-2	28	41	29	82
0285N20-45	1.1/4	31.8	20	M45-2	35	50	39	107
0285N24-52	1.1/2	38.1	24	M52-2	42	60	36	85

0450N

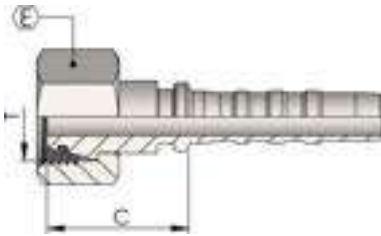
Metric Male 24° Seat Heavy

(CES)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0450N06-20	3/8	9.5	06	M20-1.5	12	22	31
0450N08-24	1/2	12.7	08	M24-1.5	16	24	33
0450N10-30	5/8	15.9	10	M30-2	20	30	36
0450N12-30	3/4	19	12	M30-2	20	30	37
0450N12-36	3/4	19	12	M36-2	25	36	39
0450N16-42	1	25.4	16	M42-2	30	46	44
0450N20-52	1.1/4	31.8	20	M52-2	38	55	48
0450N24-52	1.1/2	38.1	24	M52-2	38	55	50

0084N

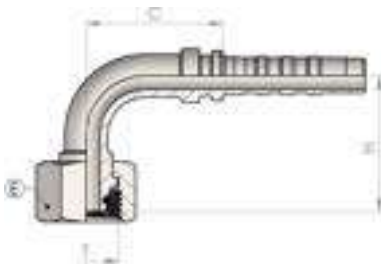


Metric Female 24° Seat Heavy

(DKOS)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0084N06-20	3/8	9.5	06	M20-1.5	12	24	25
0084N08-24	1/2	12.7	08	M24-1.5	16	30	29
0084N10-30	5/8	15.9	10	M30-2	20	34	34
0084N12-30	3/4	19	12	M30-2	20	36	36
0084N12-36	3/4	19	12	M36-2	25	46	41
0084N16-36	1	25.4	16	M36-2	25	46	42
0084N16-42	1	25.4	16	M42-2	30	50	44
0084N20-52	1.1/4	31.8	20	M52-2	38	60	46
0084N24-52	1.1/2	38.1	24	M52-2	38	60	52

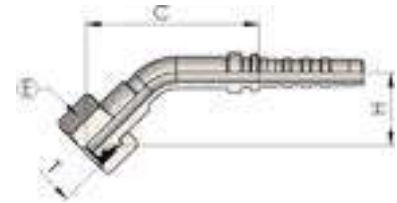
0184N



90° Metric Swept Elbow 24° Seat Heavy

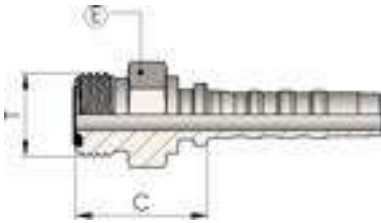
(DKOS-90°)

Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0184N06-20	3/8	9.5	06	M20-1.5	12	24	34	34
0184N08-24	1/2	12.7	08	M24-1.5	16	30	41	40
0184N10-30	5/8	15.9	10	M30-2	20	36	50	46
0184N12-30	3/4	19	12	M30-2	20	36	56	58
0184N12-36	3/4	19	12	M36-2	25	46	57	59
0184N16-36	1	25.4	16	M36-2	25	46	67	77
0184N16-42	1	25.4	16	M42-2	30	50	67	72
0184N20-52	1.1/4	31.8	20	M52-2	38	60	82	84
0184N24-52	1.1/2	38.1	24	M52-2	38	60	105	105

0284N**45° Metric Swept Elbow 24° Seat
Heavy****(DKOS-45°)**

Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0284N06-20	3/8	9.5	06	M20-1.5	12	24	18	53
0284N08-24	1/2	12.7	08	M24-1.5	16	30	21	63
0284N10-30	5/8	15.9	10	M30-2	20	36	29	74
0284N12-30	3/4	19	12	M30-2	20	36	30	90
0284N12-36	3/4	19	12	M36-2	25	46	29	91
0284N16-36	1	25.4	16	M36-2	25	46	34	86
0284N16-42	1	25.4	16	M42-2	30	50	30	87
0284N20-52	1.1/4	31.8	20	M52-2	38	60	39	105
0284N24-52	1.1/2	38.1	24	M52-2	38	60	53	129

S350N



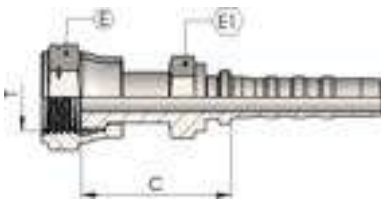
ORFS Male

(AGO)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
S350N06-09	3/8	9.5	06	11/16-16	19	26
S350N06-11	3/8	9.5	06	13/16-16	22	29
S350N08-11	1/2	12.7	08	13/16-16	22	29
S350N10-13	5/8	15.9	10	1-14	27	33
S350N12-14	3/4	19	12	1.3/16-12	32	36
S350N16-15	1	25.4	16	1.7/16-12	38	37
S350N16-21	1	25.4	16	1.11/16-12	46	38
S350N20-21	1.1/4	31.8	20	1.11/16-12	46	39
S350N20-32	1.1/4	31.8	20	2-12	55	48.5
S350N24-32	1.1/2	38.1	24	2-12	55	52.5

- with plug and O-Ring

S05TN



ORFS Female Back Hexagon

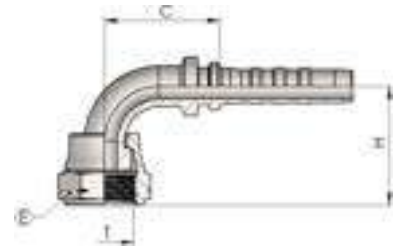
(ORFS)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
S05TN06-09	3/8	9.5	06	11/16-16	22	17	36
S05TN06-11	3/8	9.5	06	13/16-16	24	19	38
S05TN08-11	1/2	12.7	08	13/16-16	24	19	38
S05TN10-13	5/8	15.9	10	1-14	30	24	43
S05TN12-14	3/4	19	12	1.3/16-12	36	30	44
S05TN16-15	1	25.4	16	1.7/16-12	41	36	52
S05TN20-21	1.1/4	31.8	20	1.11/16-12	50	46	56
S05TN24-32	1.1/2	38.1	24	2-12	60	50	62

S15SN

ORFS 90° Swept Elbow - ISO SHORT

(ORFS-90° S)

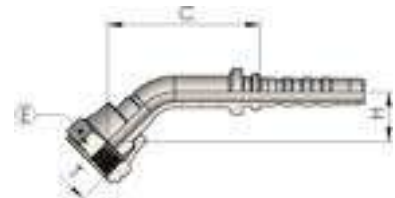


Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
S15SN06-09	3/8	9.5	06	11/16-16	22	23	35
S15SN08-11	1/2	12.7	08	13/16-16	24	29	44
S15SN10-13	5/8	15.9	10	1-14	30	32	47
S15SN12-14	3/4	19	12	1.3/16-12	36	48	58

S250N

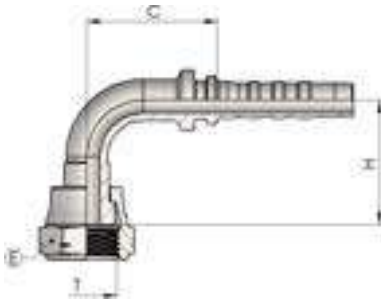
ORFS 45° Swept Elbow

(ORFS-45°)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
S250N06-09	3/8	9.5	06	11/16-16	22	17	52
S250N06-11	3/8	9.5	06	13/16-16	24	18	51
S250N08-11	1/2	12.7	08	13/16-16	24	20	62
S250N10-13	5/8	15.9	10	1-14	30	22	67
S250N12-14	3/4	19	12	1.3/16-12	36	23	84
S250N16-15	1	25.4	16	1.7/16-12	41	27	82
S250N20-21	1.1/4	31.8	20	1.11/16-12	50	44	104
S250N20-32	1.1/4	31.8	20	2-12	60	44	125
S250N24-32	1.1/2	38.1	24	2-12	60	44	127

S150N



ORFS 90° Swept Elbow

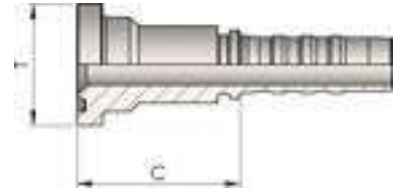
(ORFS-90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
S150N06-09	3/8	9.5	06	11/16-16	22	33	33
S150N06-11	3/8	9.5	06	13/16-16	24	32	33
S150N08-11	1/2	12.7	08	13/16-16	24	36	43
S150N10-13	5/8	15.9	10	1-14	30	42	46
S150N12-14	3/4	19	12	1.3/16-12	36	49	55
S150N16-15	1	25.4	16	1.7/16-12	41	62	80
S150N16-21	1	25.4	20	1.11/16-12	50	58	62
S150N20-21	1.1/4	31.8	20	1.11/16-12	50	58	96
S150N20-32	1.1/4	31.8	20	2-12	60	73	63
S150N24-32	1.1/2	38.1	24	2-12	60	73	80

1250N

Straight SAE Flange 3000 PSI

(SFL)

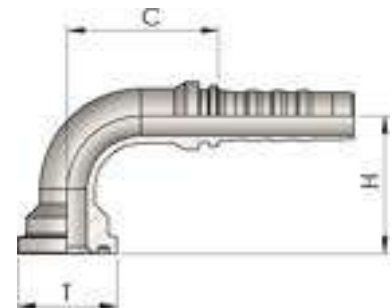


Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
1250N08-08	1/2	12.7	08	1/2	30.2	48
1250N12-12	3/4	19	12	3/4	38.1	54
1250N12-16	3/4	19	12	1	44.5	55
1250N16-16	1	25.4	16	1	44.5	56
1250N16-20	1	25.4	16	1.1/4	50.8	59
1250N20-20	1.1/4	31.8	20	1.1/4	50.8	62
1250N20-24	1.1/4	31.8	20	1.1/2	60.3	65
1250N24-24	1.1/2	38.1	24	1.1/2	60.3	67
1250N24-32	1.1/2	38.1	24	2	71.4	72

1050N

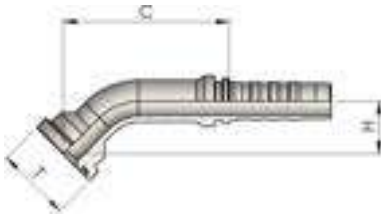
90° SAE Flange 3000 PSI

(SFL 90°)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1050N08-08	1/2	12.7	08	1/2	30.2	39	40
1050N12-12	3/4	19	12	3/4	38.1	53	58
1050N12-16	3/4	19	12	1	44.5	58	58
1050N16-16	1	25.4	16	1	44.5	65	72
1050N16-20	1	25.4	16	1.1/4	50.8	70	72
1050N20-20	1.1/4	31.8	20	1.1/4	50.8	82	97
1050N20-24	1.1/4	31.8	20	1.1/2	60.3	85	96
1050N24-24	1.1/2	38.1	24	1.1/2	60.3	96	115

1150N

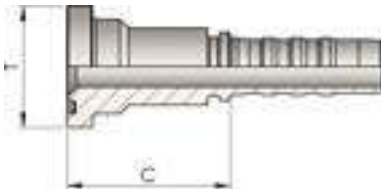


45° SAE Flange 3000 PSI

(SFL 45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1150N12-12	3/4	19	12	3/4	38.1	25	81
1150N12-16	3/4	19	12	1	44.5	28	86
1150N16-16	1	25.4	16	1	44.5	32	79
1150N16-20	1	25.4	16	1.1/4	50.8	37	113
1150N20-20	1.1/4	31.8	20	1.1/4	50.8	39	103
1150N20-24	1.1/4	31.8	20	1.1/2	60.3	39	107
1150N24-24	1.1/2	38.1	24	1.1/2	60.3	44	159

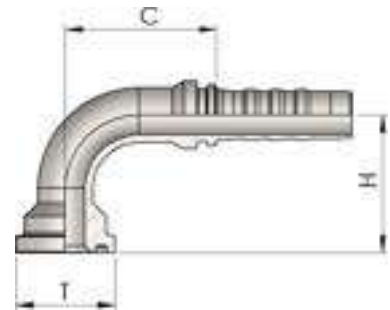
1300N



Straight SAE Flange 6000 PSI

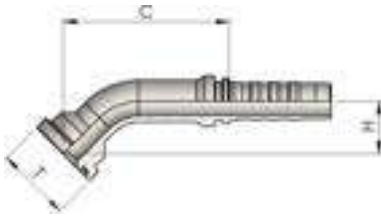
(SFS)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
1300N08-08	1/2	12.7	08	1/2	31.8	47
1300N12-12	3/4	19	12	3/4	41.3	56
1300N12-16	3/4	19	12	1	47.6	62
1300N16-16	1	25.4	16	1	47.6	63
1300N16-20	1	25.4	16	1.1/4	54	71
1300N20-20	1.1/4	31.8	20	1.1/4	54	73
1300N20-24	1.1/4	31.8	20	1.1/2	63.5	79
1300N24-24	1.1/2	38.1	24	1.1/2	63.5	81
1300N24-32	1.1/2	38.1	24	2	79.4	90

1100N**90° SAE Flange 6000 PSI****(SFS 90°)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1100N08-08	1/2	12.7	08	1/2	31.8	39	42
1100N10-12	5/8	15.9	10	3/4	41.3	51	46
1100N12-12	3/4	19	12	3/4	41.3	53	61
1100N12-16	3/4	19	12	1	47.6	63	56
1100N16-16	1	25.4	16	1	47.6	69	72
1100N16-20	1	25.4	16	1.1/4	54	77	72
1100N20-20	1.1/4	31.8	20	1.1/4	54	84.5	100
1100N20-24	1.1/4	31.8	20	1.1/2	63.5	92	99
1100N24-24	1.1/2	38.1	24	1.1/2	63.5	104	127

1200N

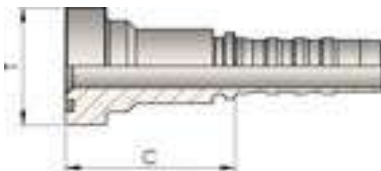


45° SAE Flange 6000 PSI

(SFS 45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1200N08-08	1/2	12.7	08	1/2	31.8	22	62
1200N12-12	3/4	19	12	3/4	41.3	27	90
1200N12-16	3/4	19	12	1	47.6	34	93
1200N16-16	1	25.4	16	1	47.6	34	90
1200N16-20	1	25.4	16	1.1/4	54	40	94
1200N20-16	1.1/4	31.8	20	1	47.6	34	98
1200N20-20	1.1/4	31.8	20	1.1/4	54	41	111
1200N20-24	1.1/4	31.8	20	1.1/2	63.5	46	120
1200N24-20	1.1/2	38.1	24	1.1/4	54	40	154
1200N24-24	1.1/2	38.1	24	1.1/2	63.5	50	122
1200N24-32	1.1/2	38.1	24	2	79.4	59	128

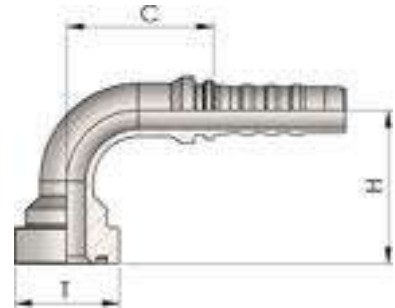
130SN



Straight 'CAT' Flange

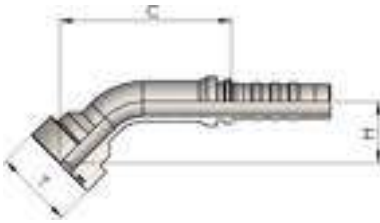
(SFC)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
130SN12-12	3/4	19	12	3/4	41.3	60
130SN12-16	3/4	19	12	1	47.6	66
130SN16-16	1	25.4	16	1	47.6	67
130SN16-20	1	25.4	16	1.1/4	54	75
130SN20-20	1.1/4	31.8	20	1.1/4	54	77
130SN24-24	1.1/2	38.1	24	1.1/2	63.5	85

110SN**90° 'CAT' Flange****(SFC 90°)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
110SN12-12	3/4	19	12	3/4	41.3	62	56
110SN12-16	3/4	19	12	1	47.6	65	56
110SN16-16	1	25.4	16	1	47.6	74	81
110SN16-20	1	25.4	16	1.1/4	54	80	78
110SN20-16	1.1/4	31.8	20	1	47.6	87	97
110SN20-20	1.1/4	31.8	20	1.1/4	54	90	97
110SN20-24	1.1/4	31.8	20	1.1/2	63.5	95	97
110SN24-20	1.1/2	38.1	24	1.1/4	54	101	115
110SN24-24	1.1/2	38.1	24	1.1/2	63.5	104	115
110SN24-32	1.1/2	38.1	24	2	79.4	104	115

120SN



45° 'CAT' Flange

(SFC 45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
120SN12-12	3/4	19	12	3/4	41.3	32	88
120SN12-16	3/4	19	12	1	47.6	37	93
120SN16-16	1	25.4	16	1	47.6	37	90
120SN16-20	1	25.4	16	1.1/4	54	44	122
120SN20-16	1.1/4	31.8	20	1	47.6	40	111
120SN20-20	1.1/4	31.8	20	1.1/4	54	43	114
120SN20-24	1.1/4	31.8	20	1.1/2	63.5	48	119
120SN24-20	1.1/2	38.1	24	1.1/4	54	50	170
120SN24-24	1.1/2	38.1	24	1.1/2	63.5	52	172

Interlock Tail





004N



Swaged Ferrule (skive)

117

0042



Swaged Ferrule (skive)

117

0013



Swaged Ferrule (skive)

118

00J4



Swaged Ferrule (skive)

118

00J6



Swaged Ferrule (skive)

119



0370H



NPTF Male 60° cone

119



0350H



BSP Male Parallel 60° cone

120

0050H



BSP Female 60° cone Thrust Wire

120

0150H



BSP 90° Swept Elbow 60° cone Thrust Wire

121

0250H



BSP 45° Swept Elbow 60° Cone - Thrust Wire

121



0850H



JIC Male 74° cone

122

0900H



JIC Female 74° - Thrust Wire Nut

122

0950H

JIC 90° Swept Elbow 74°
Cone - Thrust Wire

123**1000H**

JIC 45° Swept Elbow 74°
Cone - Thrust Wire

123**0450H**

Metric Male 24° Seat
Heavy

124**0084H**

Metric Female 24° Seat
Heavy

124**0184H**

90° Metric Swept Elbow
24° Seat Heavy

125**0284H**

45° Metric Swept Elbow
24° Seat Heavy

125**S350H**

ORFS Male

126**S05TH**

ORFS Female Back
Hexagon

126**S150H**

ORFS 90° Swept Elbow

127**S250H**

ORFS 45° Swept Elbow

127**1250H**

Straight SAE Flange
3000 PSI

128**1050H**

90° SAE Flange 3000 PSI

128

1150H



45° SAE Flange 3000 PSI

129



1300H



Straight SAE Flange
6000 PSI

130

1100H



90° SAE Flange 6000 PSI

131

1200H



45° SAE Flange 6000 PSI

132



130SH



Straight 'CAT' Flange

132

110SH



90° 'CAT' Flange

133

120SH



45° 'CAT' Flange

133

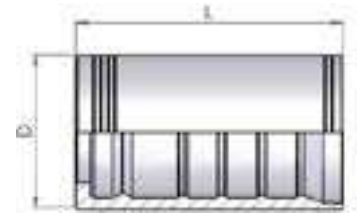


D050H

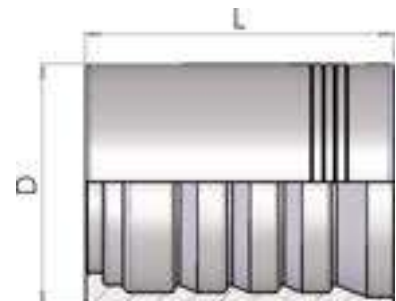


Hose Junction

134

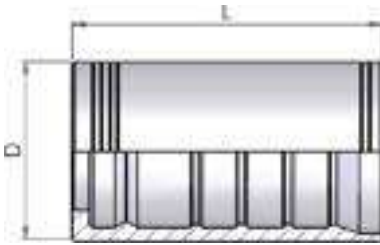
004N**Swaged Ferrule (skive)**

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
004N-12	3/4	19	38	60	52/15	R13-4SH-R15 -(4SP)
004N-16	1	25.4	46	75	64/17	4SH-R13-R15-(4SP)
004N-20	1.1/4	31.8	55	88	74/22	4SH
004N-24	1.1/2	38.1	62	94	81/22,5	4SH
004N-32	2	50.8	78	99	85/30	4SH

0042**Swaged Ferrule (skive)**

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0042-20	1.1/4	31.8	60	88	74/22	IS42 - HyTraktion
0042-24	1.1/2	38.1	70	94	82/22	IS42 - HyTraktion

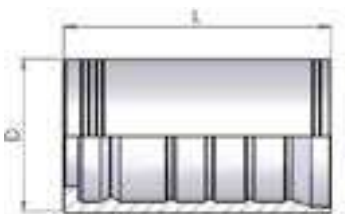
0013



Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0013-10	5/8	15.9	34.5	57.5	47/15	R15
0013-16	1	25.4	48	75	64/17	R13-R15
0013-20	1.1/4	31.8	60	88	74/22	R13 -R15
0013-24	1.1/2	38.1	67	94	81/22,5	R13 -R15
0013-32	2	50.8	85	99	85/30	R13-R15
0013-40	2.1/2	63.5	99	140	125/35	R13-R15
0013-48	3	76.2	116	154	135/37	R13-R15

00J4

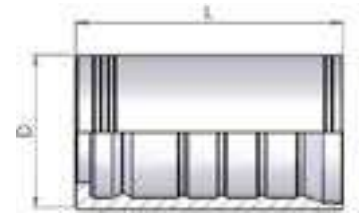


Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
00J4-16	1	25.4	49	72.5	62/17	HySpir 500

00J6

Swaged Ferrule (skive)



Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
00J6-16	1	25.4	51	74.5	65/17	MegaJet

0370H

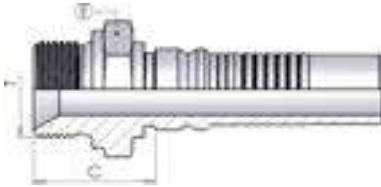
NPTF Male 60° cone

(AGN)



Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0370H12-12	3/4	19	12	3/4-14	27	35
0370H16-16	1	25.4	16	1-11.1/2	36	41
0370H20-20	1.1/4	31.8	20	1.1/4-11.1/2	46	44
0370H24-24	1.1/2	38.1	24	1.1/2-11.1/2	50	47
0370H32-32	2	50.8	32	2-11.1/2	65	54

0350H

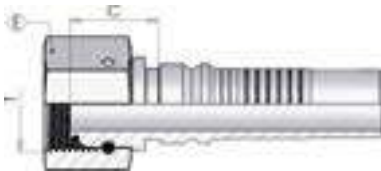


BSP Male Parallel 60° cone

(AGR)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0350H12-12	3/4	19	12	3/4-14	32	33
0350H12-16	3/4	19	12	1-11	41	36
0350H16-16	1	25.4	16	1-11	41	37
0350H16-20	1	25.4	16	1.1/4-11	50	41
0350H20-20	1.1/4	31.8	20	1.1/4-11	50	42
0350H24-24	1.1/2	38.1	24	1.1/2-11	55	44
0350H32-32	2	50.8	32	2-11	70	53

0050H



BSP Female 60° cone Thrust Wire

(DKR)

Product number	hose I.D.		Dimension		Note
	in	mm	dash size	Cut-off C	
0050H12-12	3/4	19	12	23	(*)
0050H12-16	3/4	19	12	25	(*)
0050H16-16	1	25.4	16	26	(*)
0050H20-20	1.1/4	31.8	20	29	(*)
0050H20-24	1.1/4	31.8	20	31	(*)
0050H24-24	1.1/2	38.1	24	31	(*)
0050H32-32	2	50.8	32	30	(*)

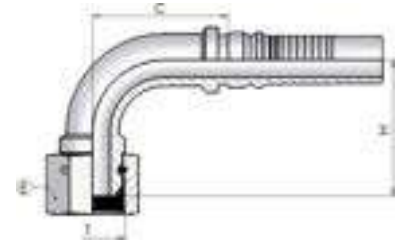
(*) - BSP O-Ring Female



0150H

BSP 90° Swept Elbow 60° cone Thrust Wire

(DKR 90°)



Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
0150H12-12	3/4	19	12	3/4-14	32	60	51	(*)
0150H16-16	1	25.4	16	1-11	41	70	73	(*)
0150H16-20	1	25.4	16	1.1/4-11	50	76	73	(*)
0150H20-20	1.1/4	31.8	20	1.1/4-11	50	83	93	(*)
0150H24-24	1.1/2	38.1	24	1.1/2-11	55	104	110	(*)

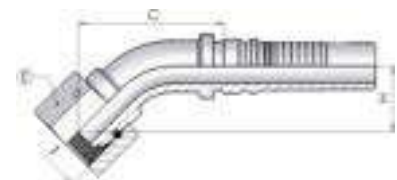
(*) - BSP O-Ring Female



0250H

BSP 45° Swept Elbow 60° Cone - Thrust Wire

(DKR 45°)

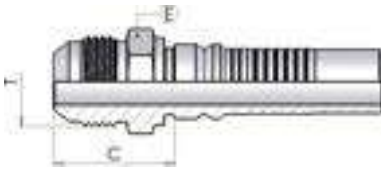


Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
0250H12-12	3/4	19	12	3/4-14	32	31	85	(*)
0250H16-16	1	25.4	16	1-11	41	38	112	(*)
0250H20-20	1.1/4	31.8	20	1.1/4-11	50	41	98	(*)
0250H24-24	1.1/2	38.1	24	1.1/2-11	55	54	166	(*)
0250H32-32	2	50.8	32	2-11	70	71	143	(*)

(*) - BSP O-Ring Female



0850H

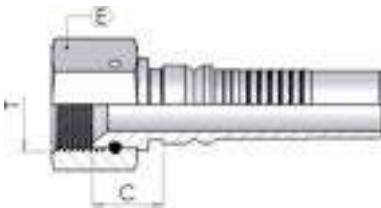


JIC Male 74° cone

(AGJ)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0850H12-12	3/4	19	12	1.1/16-12	27	36
0850H16-16	1	25.4	16	1.5/16-12	34	40
0850H20-20	1.1/4	31.8	20	1.5/8-12	42	44
0850H24-24	1.1/2	38.1	24	1.7/8-12	50	49

0900H



JIC Female 74° - Thrust Wire Nut

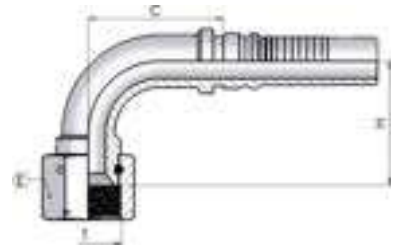
(DKJ)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0900H12-12	3/4	19	12	1.1/16-12	32	19
0900H12-16	3/4	19	12	1.5/16-12	41	22
0900H16-16	1	25.4	16	1.5/16-12	41	23
0900H20-20	1.1/4	31.8	20	1.5/8-12	50	26
0900H24-24	1.1/2	38.1	24	1.7/8-12	55	29
0900H32-32	2	50.8	32	2.1/2-12	70	30

0950H

JIC 90° Swept Elbow 74° Cone - Thrust Wire

(DKJ 90°)

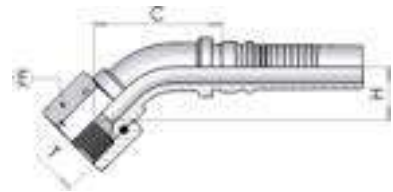


Product number	hose I.D.		Dimension				
	in	mm	dash size	Thread T	hex E	drop H	Cut-off C
0950H12-12	3/4	19	12	1.1/16-12	32	59	51
0950H12-16	3/4	19	12	1.5/16-12	41	62	54
0950H16-16	1	25.4	16	1.5/16-12	41	68	74
0950H20-20	1.1/4	31.8	20	1.5/8-12	50	86	92
0950H24-24	1.1/2	38.1	24	1.7/8-12	55	100	112
0950H32-32	2	50.8	32	2.1/2-12	70	134	121

1000H

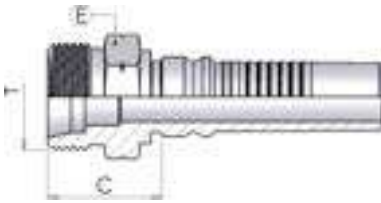
JIC 45° Swept Elbow 74° Cone - Thrust Wire

(DKJ 45°)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
1000H12-12	3/4	19	12	1.1/16-12	32	28	85
1000H12-16	3/4	19	12	1.5/16-12	41	32	88
1000H16-16	1	25.4	16	1.5/16-12	41	33	83
1000H20-20	1.1/4	31.8	20	1.5/8-12	50	40	109
1000H24-24	1.1/2	38.1	24	1.7/8-12	55	49	165
1000H32-32	2	50.8	32	2.1/2-12	70	67	194

0450H

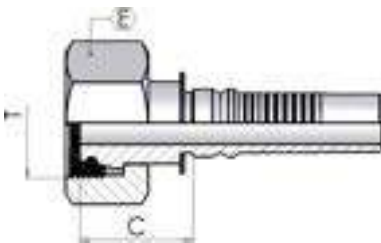


Metric Male 24° Seat Heavy

(CES)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0450H12-36	3/4	19	12	M36-2	25	36	36
0450H16-42	1	25.4	16	M42-2	30	46	39
0450H20-52	1.1/4	31.8	20	M52-2	38	55	42
0450H24-52	1.1/2	38.1	24	M52-2	38	55	42.5

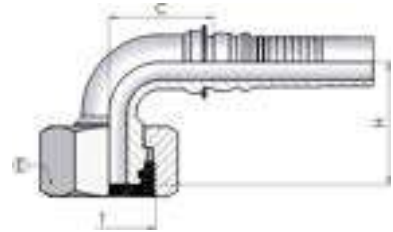
0084H



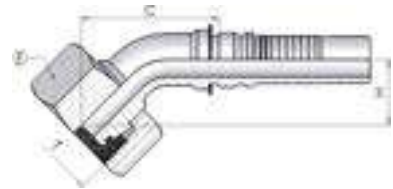
Metric Female 24° Seat Heavy

(DKOS)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0084H12-36	3/4	19	12	M36-2	25	46	37
0084H16-36	1	25.4	16	M36-2	25	46	38
0084H16-42	1	25.4	16	M42-2	30	50	41
0084H20-42	1.1/4	31.8	20	M42-2	30	50	32
0084H20-52	1.1/4	31.8	20	M52-2	38	60	41
0084H24-52	1.1/2	38.1	24	M52-2	38	60	42

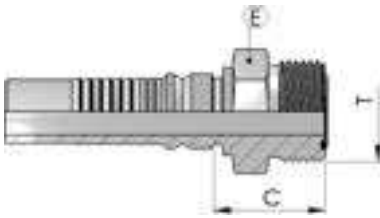
0184H**90° Metric Swept Elbow 24° Seat
Heavy****(DKOS 90°)**

Product number	hose I.D.		Dimension						
	in	mm	dash size	T	erm.	E	drop H	Cut-off C	
0184H12-36	3/4	19	12	M36-2	25	46	60	54	
0184H16-36	1	25.4	16	M36-2	25	46	68	75	
0184H16-42	1	25.4	16	M42-2	30	50	69	74	
0184H20-52	1.1/4	31.8	20	M52-2	38	60	83	91	

0284H**45° Metric Swept Elbow 24° Seat
Heavy****(DKOS 45°)**

Product number	hose I.D.		Dimension						
	in	mm	dash size	T	erm.	E	drop H	Cut-off C	
0284H12-36	3/4	19	12	M36-2	25	46	31	86	
0284H16-36	1	25.4	16	M36-2	25	46	34	82	
0284H16-42	1	25.4	16	M42-2	30	50	34	83	
0284H20-52	1.1/4	31.8	20	M52-2	38	60	40	105	

S350H

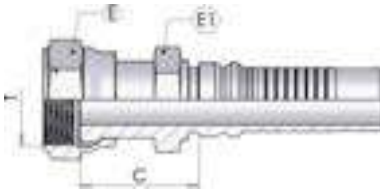


ORFS Male

(AGO)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
S350H12-14-BO	3/4	19	12	1.3/16-12	32	34
S350H16-15-BO	1	25.4	16	1.7/16-12	38	35
S350H20-21-BO	1.1/4	31.8	20	1.11/16-12	46	36
S350H24-32-BO	1.1/2	38.1	24	2-12	55	38

S05TH



ORFS Female Back Hexagon

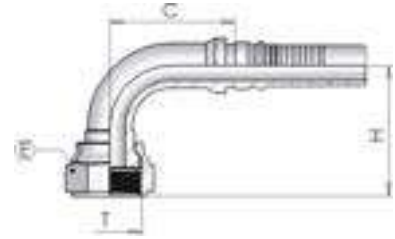
(ORFS)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	E1	Cut-off C
S05TH12-14	3/4	19	12	1.3/16-12	30	30	39
S05TH16-15	1	25.4	16	1.7/16-12	36	36	47
S05TH20-21	1.1/4	31.8	20	1.11/16-12	46	46	50

S150H

ORFS 90° Swept Elbow

(ORFS 90°)



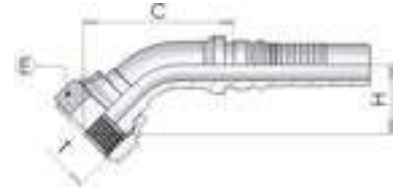
Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
S150H12-14	3/4	19	12	1.3/16-12	36	54	50	
S150H16-15	1	25.4	16	1.7/16-12	41	66	69	
S150H20-21	1.1/4	31.8	20	1.11/16-12	50	80	87	*

* Slip on nut

S250H

ORFS 45° Swept Elbow

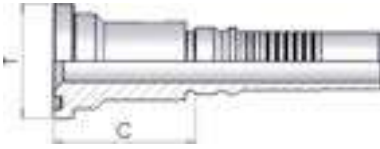
(ORFS 45°)



Product number	hose I.D.		Dimension					Note
	in	mm	dash size	T	E	drop H	Cut-off C	
S250H12-14	3/4	19	12	1.3/16-12	36	23	84	
S250H16-15	1	25.4	16	1.7/16-12	41	28	77	
S250H20-21	1.1/4	31.8	20	1.11/16-12	50	37	130	*

* Slip on nut

1250H

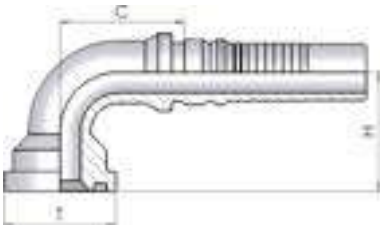


Straight SAE Flange 3000 PSI

(SFL)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
1250H12-12	3/4	19	12	3/4	38.1	47
1250H12-16	3/4	19	12	1	44.5	50
1250H16-16	1	25.4	16	1	44.5	52
1250H20-20	1.1/4	31.8	20	1.1/4	50.8	56
1250H20-24	1.1/4	31.8	20	1.1/2	60.3	59
1250H24-24	1.1/2	38.1	24	1.1/2	60.3	60
1250H32-32	2	50.8	32	2	71.4	67

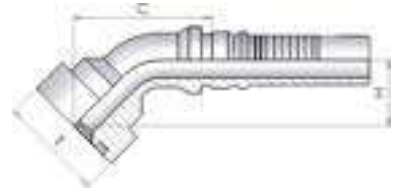
1050H



90° SAE Flange 3000 PSI

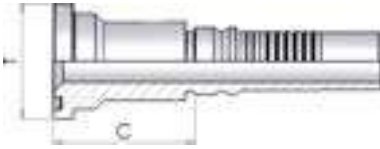
(SFL 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1050H12-12	3/4	19	12	3/4	38.1	52	52
1050H12-16	3/4	19	12	1	44.5	56	55
1050H16-16	1	25.4	16	1	44.5	65	73
1050H20-20	1.1/4	31.8	20	1.1/4	50.8	82	91
1050H24-24	1.1/2	38.1	24	1.1/2	60.3	96	106
1050H32-32	2	50.8	32	2	71.4	113	128

1150H**45° SAE Flange 3000 PSI****(SFL 45°)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1150H12-12	3/4	19	12	3/4	38.1	25	81
1150H12-16	3/4	19	12	1	44.5	28	86
1150H16-16	1	25.4	16	1	44.5	35	107
1150H16-20	1	25.4	16	1.1/4	50.8	37	104
1150H20-20	1.1/4	31.8	20	1.1/4	50.8	37	113
1150H20-24	1.1/4	31.8	20	1.1/2	60.3	40	113
1150H24-24	1.1/2	38.1	24	1.1/2	60.3	44	125
1150H24-32	1.1/2	38.1	24	2	71.4	40	126
1150H32-32	2	50.8	32	2	71.4	50	133

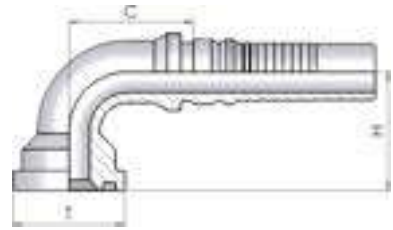
1300H



Straight SAE Flange 6000 PSI

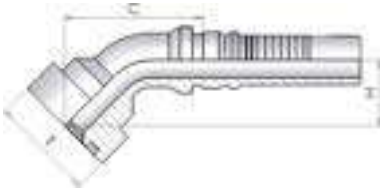
(SFS)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
1300H12-12	3/4	19	12	3/4	41.3	51
1300H12-16	3/4	19	12	1	47.6	57
1300H16-12	1	25.4	16	3/4	41.3	52
1300H16-16	1	25.4	16	1	47.6	59
1300H16-20	1	25.4	16	1.1/4	54	66
1300H20-16	1.1/4	31.8	20	1	47.6	60
1300H20-20	1.1/4	31.8	20	1.1/4	54	67
1300H20-24	1.1/4	31.8	20	1.1/2	63.5	73
1300H24-20	1.1/2	38.1	24	1.1/4	54	75
1300H24-24	1.1/2	38.1	24	1.1/2	63.5	74
1300H24-32	1.1/2	38.1	24	2	79.4	82
1300H32-32	2	50.8	32	2	79.4	84

1100H**90° SAE Flange 6000 PSI****(SFS 90°)**

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1100H12-12	3/4	19	12	3/4	41.3	55	53
1100H12-16	3/4	19	12	1	47.6	63	52
1100H16-12	1	25.4	16	3/4	41.3	56	61
1100H16-16	1	25.4	16	1	47.6	69	75
1100H16-20	1	25.4	16	1.1/4	54	74	71
1100H20-16	1.1/4	31.8	20	1	47.6	70	82
1100H20-20	1.1/4	31.8	20	1.1/4	54	84,5	93
1100H20-24	1.1/4	31.8	20	1.1/2	63.5	92	94
1100H24-24	1.1/2	38.1	24	1.1/2	63.5	101	114
1100H24-32	1.1/2	38.1	24	2	79.4	115	115
1100H32-32	2	50.8	32	2	79.4	126	136.5

1200H



45° SAE Flange 6000 PSI

(SFS 45°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
1200H12-12	3/4	19	12	3/4	41.3	28	85
1200H12-16	3/4	19	12	1	47.6	34	88
1200H16-12	1	25.4	16	3/4	41.3	31	79
1200H16-16	1	25.4	16	1	47.6	31	85
1200H16-20	1	25.4	16	1.1/4	54	40	89
1200H20-16	1.1/4	31.8	20	1	47.6	38	90
1200H20-20	1.1/4	31.8	20	1.1/4	54	41	109
1200H24-24	1.1/2	38.1	24	1.1/2	63.5	50	133
1200H32-32	2	50.8	32	2	79.4	53	132

130SH



Straight 'CAT' Flange

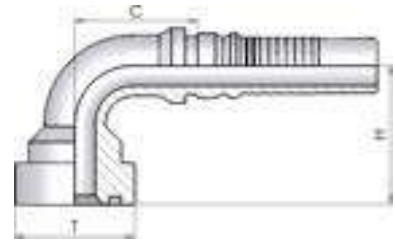
(SFC)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T Flange	mm	Cut-off C
130SH12-12	3/4	19	12	3/4	41.3	55
130SH12-16	3/4	19	12	1	47.6	62
130SH16-16	1	25.4	16	1	47.6	63
130SH16-20	1	25.4	16	1.1/4	54	70
130SH20-20	1.1/4	31.8	20	1.1/4	54	71
130SH24-24	1.1/2	38.1	24	1.1/2	64	78

110SH

90° 'CAT' Flange

(SFC 90°)

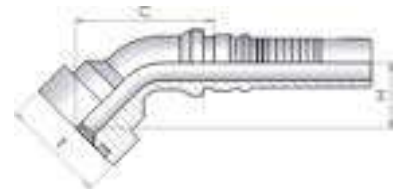


Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
110SH12-12	3/4	19	12	3/4	41.3	62	51
110SH16-16	1	25.4	16	1	47.6	75	73.2
110SH16-20	1	25.4	16	1.1/4	54	82	74
110SH20-20	1.1/4	31.8	20	1.1/4	54	89	93
110SH24-24	1.1/2	38.1	24	1.1/2	63.5	106	110

120SH

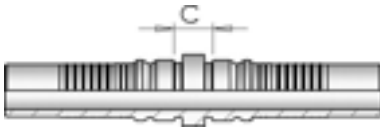
45° 'CAT' Flange

(SFC 45°)



Product number	hose I.D.		Dimension				
	in	mm	dash size	T Flange	mm	drop H	Cut-off C
120SH12-12	3/4	19	12	3/4	41.3	30	89
120SH16-16	1	25.4	16	1	47.6	38	86
120SH24-24	1.1/2	38.1	24	1.1/2	63.5	52	169

D050H



Hose Junction

Product number	hose I.D.		Dimension	
	in	mm	dash size	Cut-off C
D050H12	3/4	19	12	15
D050H16	1	25.4	16	16
D050H20	1.1/4	31.8	20	19
D050H24	1.1/2	38.1	24	19
D050H32	2	50.8	32	24

Hyblast / Multispiral Tail





00Y4



Swaged Ferrule (skive)

138

00Y6



Swaged Ferrule (skive)

138

0019



Swaged Ferrule (skive)

139



0050Y



BSP Female 60° cone
Thrust Wire

139



0370Y



NPTF Male 60° cone

140



0084Y



Metric Female 24° Seat
Heavy

140



002M



Swaged Ferrule (skive)

141



0900M



JIC Female 74° - Thrust
Wire Nut

141

0950M



JIC 90° Swept Elbow 74°
Cone - Thrust Wire

142



0050M

BSP Female 60° cone
Thrust Wire

142**0150M**

BSP 90° Swept Elbow 60°
cone Thrust Wire

142**0370M**

NPTF Male 60° cone

143**0084M**

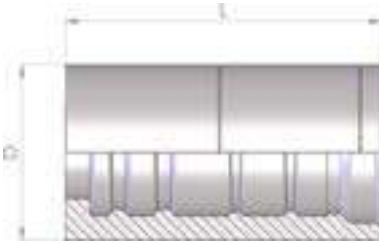
Metric Female 24° Seat
Heavy

143**0184M**

90° Metric Swept Elbow
24° Seat Heavy

143

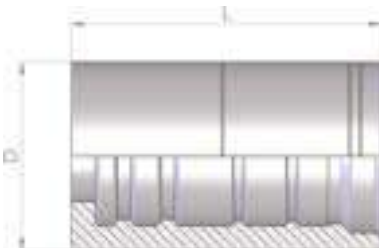
00Y4



Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
00Y4-06	3/8	9.5	32.5	58.5	50/22	HB 12k/15k/18k
00Y4-08	1/2	12.7	36.5	62	52/23	HB 12k/15k/18k
00Y4-12	3/4	19	43.8	69	56/25	HB 12k/15k
00Y4-16	1	25.4	51.9	78.5	68/30	HB 10k

00Y6

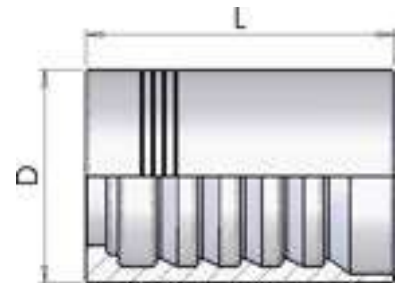


Swaged Ferrule (skive)

Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
00Y6-06	3/8	9.5	35.5	58.5	50/22	HB 20k
00Y6-08	1/2	12.7	39.8	62	52/23	HB 20k
00Y6-12	3/4	19	47	69	56/25	HB 20k
00Y6-16	1	25.4	54.9	78.5	68/30	HB 12k

0019

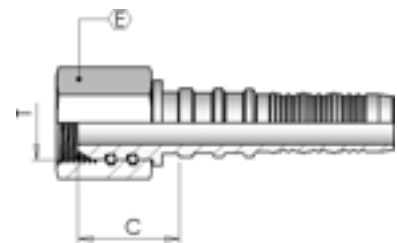
Swaged Ferrule (skive)



Product number	hose I.D.		Dimension		skive	valid for
	in	mm	D	L	Length	-
0019-04	1/4	6.4	21	40	30	WB-VHP-4SP-4SH

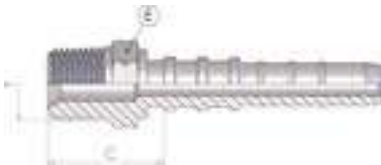
0050Y

BSP Female 60° cone Thrust Wire



Product number	hose I.D.		Dimension				Max WP
	in	mm	dash size	T	E	Cut-off C	bar
0050Y06-06	3/8	9.5	06	3/8-19	25	28	1250
0050Y08-08	1/2	12.7	08	1/2-14	30	33	1100
0050Y12-12	3/4	19	12	3/4-14	32	33	850
0050Y16-16	1	25.4	16	1-11	38	40	700

0370Y

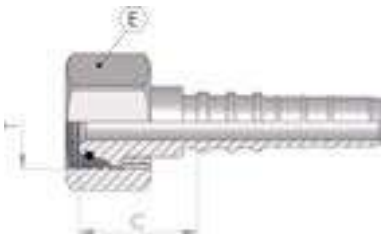


NPTF Male 60° cone

(AGN)

Product number	hose I.D.		Dimension				Max WP
	in	mm	dash size	T	E	Cut-off C	bar
0370Y06-06	3/8	9.5	06	3/8-18	19	29	1100
0370Y08-08	1/2	12.7	08	1/2-14	22	35	1100
0370Y12-12	3/4	19	12	3/4-14	27	37	850
0370Y16-16	1	25.4	16	1-11.1/2	38	49	700

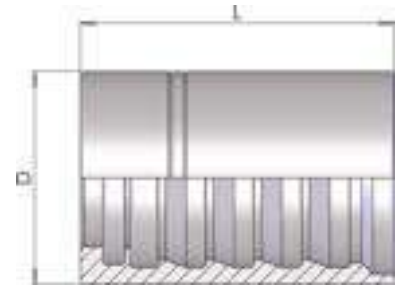
0084Y



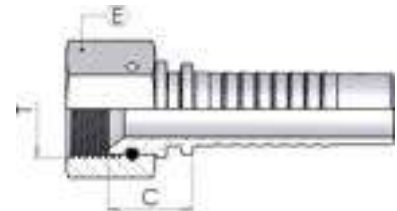
Metric Female 24° Seat Heavy

(DKOS)

Product number	hose I.D.		Dimension					Max WP
	in	mm	dash size	T	erm.	E	Cut-off C	bar
0084Y06-22	3/8	9.5	06	M22-1.5	14	30	38	1450
0084Y06-24	3/8	9.5	06	M24-1.5	16	32	39	1450
0084Y08-24	1/2	12.7	08	M24-1.5	16	34	39	1450
0084Y12-36	3/4	19	12	M36-2	25	46	45	1450

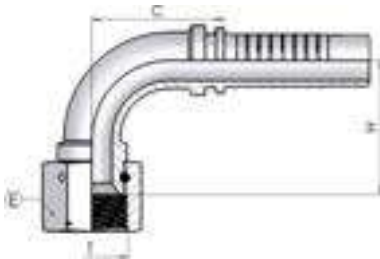
002M**Swaged Ferrule (skive)**

Product number	hose I.D.		Dimension		skive
	in	mm	D	L	Length
002M-04	1/4	6.4	19.6	38	29
002M-06	3/8	9.5	24	40	31

0900M**JIC Female 74° - Thrust Wire Nut****(DKJ)**

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0900M04-04	1/4	6.4	04	7/16-20	17	16
0900M06-06	3/8	9.5	06	9/16-18	19	18
0900M06-08	3/8	9.5	06	3/4-16	24	20

0950M

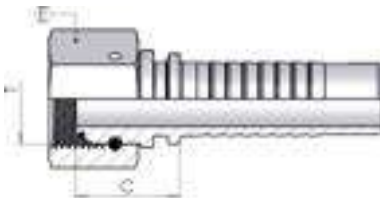


JIC 90° Swept Elbow 74° Cone - Thrust Wire

(DKJ 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0950M04-04	1/4	6.4	04	7/16-20	17	26	26
0950M06-06	3/8	9.5	06	9/16-18	19	33	35
0950M06-08	3/8	9.5	06	3/4-16	24	34	35

0050M

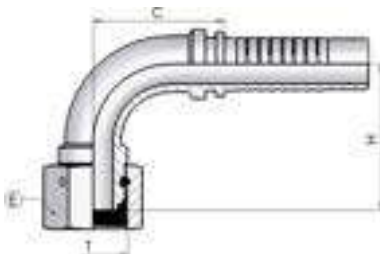


BSP Female 60° cone Thrust Wire

(DKR)

Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0050M04-04	1/4	6.4	04	1/4-19	19	20

0150M



BSP 90° Swept Elbow 60° cone Thrust Wire

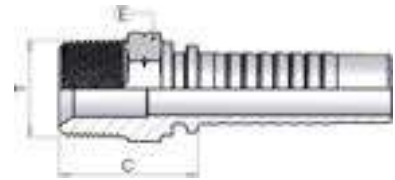
(DKR 90°)

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
0150M04-04	1/4	6.4	04	1/4-19	19	28	26

0370M

NPTF Male 60° cone

(AGN)

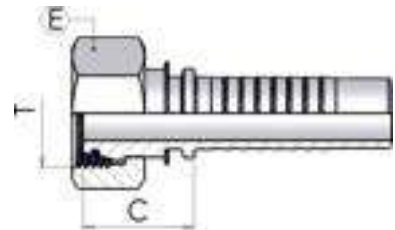


Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
0370M04-04	1/4	6.4	04	1/4-18	29	29
0370M06-06	3/8	9.5	06	3/8-19	29	29

0084M

Metric Female 24° Seat Heavy

(DKOS)

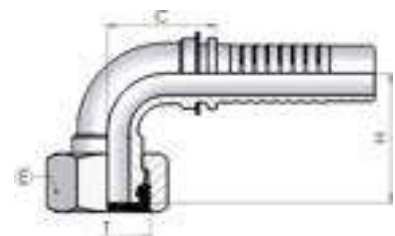


Product number	hose I.D.		Dimension				
	in	mm	dash size	T	erm.	E	Cut-off C
0084M04-16	1/4	6.4	04	M16-1.5	8	19	27
0084M04-18	1/4	6.5	04	M18-1.5	10	22	24

0184M

90° Metric Swept Elbow 24° Seat Heavy

(DKOS 90°)



Product number	hose I.D.		Dimension					
	in	mm	dash size	T	erm.	E	drop H	Cut-off C
0184M04-16	1/4	6.4	04	M16-1.5	8	19	26	28
0184M04-18	1/4	6.4	04	M18-1.5	10		31	33

Low Pressure Fittings



**P050**BSP Female 60° cone -
UniLock**146****P150**BSP 90° Swept elbow 60°
cone - UniLock**146****BA**

Steel ferrule

147**0345B**

BSP Male - Flat Seat

148**0350B**BSP Male Parallel 60°
cone**149****0051B**

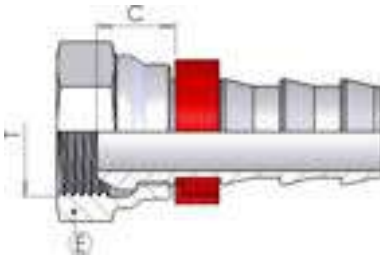
BSP Female 60° Cone

150**0151B**BSP 90° Swept Elbow 60°
Cone**151****0251B**BSP 45° Swept Elbow 60°
Cone**152****1350B**

Metric Banjo

153

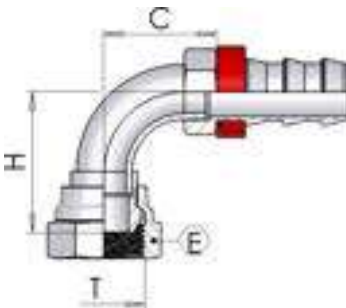
P050



BSP Female 60° cone - UniLock

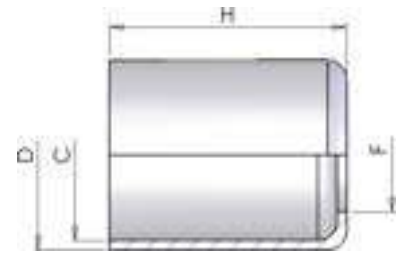
Product number	hose I.D.		Dimension			
	in	mm	dash size	T	E	Cut-off C
P050-04-04	1/4	6.4	04	1/4-19	17	10
P050-06-06	3/8	9.5	06	3/8-19	19	10
P050-08-08	1/2	12.7	08	1/2-14	27	13
P050-12-12	3/4	19	12	3/4-14	32	16
P050-16-16	1	25.4	16	1-11	38	15

P150



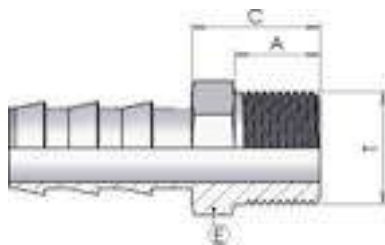
BSP 90° Swept elbow 60° cone - UniLock

Product number	hose I.D.		Dimension				
	in	mm	dash size	T	E	drop H	Cut-off C
P150-04-04	1/4	6.4	04	1/4-19	17	23	21
P150-06-06	3/8	9.5	06	3/8-19	19	29	31
P150-08-08	1/2	12.7	08	1/2-14	27	36	38
P150-12-12	3/4	19	12	3/4-14	32	65	54
P150-16-16	1	25.4	16	1-11	38	55	44

BA**Steel ferrule**

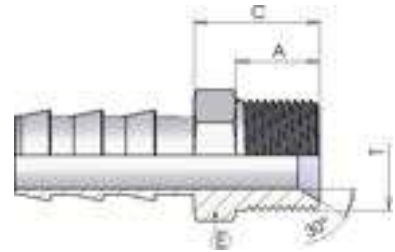
Product number	Dimension			
	D	C	F	H
BA-021-024	24	21	16	31
BA-024-027	27	24	18	31
BA-027-030	30	27	20	34
BA-029-032	32	29	21	35
BA-035-038	38	35	27	36
BA-037-040	40	37	28	38
BA-039-042	42	39	29	40
BA-046-050	50	46	34	46
BA-085-090	90	85	68	63
BA-095-100	100	95	78	68

0345B



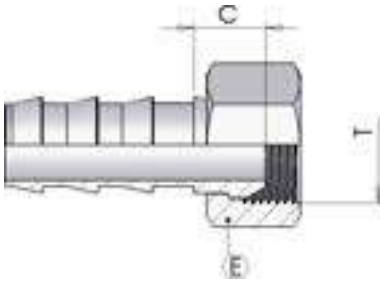
BSP Male - Flat Seat

Product number	hose I.D.		Dimension				
	in	mm	DN	T	A	E	Cut-off C
0345B04-02	1/4	6.4	06	1/8-18	10	14	16
0345B04-04	1/4	6.4	06	1/4-19	10	14	16
0345B05-04	5/16	7.9	08	1/4-19	10	14	16
0345B05-06	5/16	7.9	08	3/8-19	12	17	19
0345B06-04	3/8	9.5	10	1/4-19	10	17	16
0345B06-06	3/8	9.5	10	3/8-19	12	17	19
0345B06-08	3/8	9.5	10	1/2-14	13	22	21
0345B08-06	1/2	12.7	13	3/8-19	12	19	19
0345B08-08	1/2	12.7	13	1/2-14	13	22	21
0345B10-06	5/8	15.9	16	3/8-19	12	19	19
0345B10-08	5/8	15.9	16	1/2-14	13	22	21
0345B10-12	5/8	15.9	16	3/4-14	15	27	21
0345B12-08	3/4	19	19	1/2-14	13	24	21
0345B12-12	3/4	19	19	3/4-14	15	27	23
0345B12-16	3/4	19	19	1-11	16	34	25
0345B16-12	1	25.4	25	3/4-14	15	30	23
0345B16-16	1	25.4	25	1-11	16	34	25
0345B20-12	1.1/4	31.8	32	3/4-14	15	34	23
0345B20-16	1.1/4	31.8	32	1-11	16	36	26
0345B20-20	1.1/4	31.8	32	1.1/4-11	17	42	27
0345B24-20	1.1/2	38.1	38	1.1/4-11	17	42	27
0345B24-24	1.1/2	38.1	38	1.1/2-11	18	50	29
0345B32-32	2	50.8	50	2-11	19	60	31
0345B40-40	2.1/2	63.5	70	2.1/2-11	23	75	36

0350B**BSP Male Parallel 60° cone**

Product number	hose I.D.		Dimension				
	in	mm	DN	T	A	E	Cut-off C
0350B04-02	1/4	6.4	06	1/8-28	9	14	14
0350B04-04	1/4	6.4	06	1/4-19	10	19	16
0350B05-04	5/16	7.9	08	1/4-19	10	19	16
0350B06-04	3/8	9.5	10	1/4-19	10	19	16
0350B06-06	3/8	9.5	10	3/8-19	12	22	18

0051B

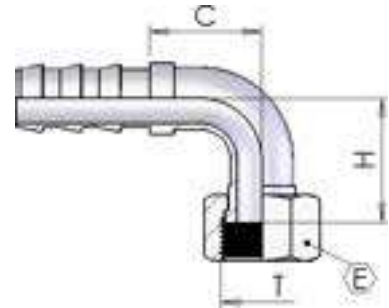


BSP Female 60° Cone

Product number	hose I.D.		Dimension			
	in	mm	DN	T	E	Cut-off C
0051B03-02	3/16	4.8	05	1/8-28	14	9
0051B04-02	1/4	6.4	06	1/8-28	14	9
0051B04-04	1/4	6.4	06	1/4-19	17	10
0051B05-04	5/16	7.9	08	1/4-19	17	10
0051B05-06	5/16	7.9	08	3/8-19	19	11
0051B06-06	3/8	9.5	10	3/8-19	19	11
0051B06-08	3/8	9.5	10	1/2-14	24	12
0051B08-06	1/2	12.7	13	3/8-19	19	11
0051B08-08	1/2	12.7	13	1/2-14	24	12
0051B10-08	5/8	15.9	16	1/2-14	24	12
0051B10-12	5/8	15.9	16	3/4-14	30	14
0051B12-12	3/4	19	19	3/4-14	30	14
0051B12-16	3/4	19	19	1-11	38	15
0051B16-16	1	25.4	25	1-11	38	16
0051B20-20	1.1/4	31.8	32	1.1/4-11	46	16
0051B20-24	1.1/4	31.8	32	1.1/2-11	55	18
0051B24-24	1.1/2	38.1	38	1.1/2-11	55	18
0051B32-32	2	50.8	50	2-11	65	19
0051B40-40	2.1/2	63.5	60	2.1/2-11	85	24
0051B48-48	3	76.2	70	3-11	100	26

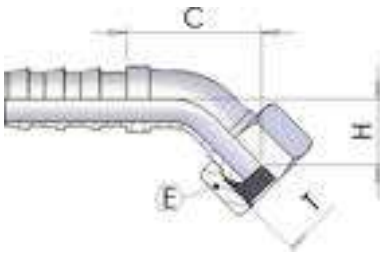
0151B

BSP 90° Swept Elbow 60° Cone



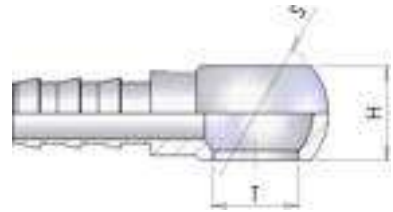
Product number	hose I.D.		Dimension				
	in	mm	DN	T	E	drop H	Cut-off C
0151B04-04	1/4	6.4	06	1/4-19	17	25	28
0151B05-04	5/16	7.9	08	1/4-19	17	25	28
0151B05-06	5/16	7.9	08	3/8-19	19	32	32
0151B06-06	3/8	9.5	10	3/8-19	19	33	33
0151B06-08	3/8	9.5	10	1/2-14	24	35	38
0151B08-06	1/2	12.7	13	3/8-19	19	35	38
0151B08-08	1/2	12.7	13	1/2-14	24	41	43
0151B08-12	1/2	12.7	13	3/4-14	30	45	40
0151B10-08	5/8	15.9	16	1/2-14	24	41	44
0151B10-12	5/8	15.9	16	3/4-14	30	45	40
0151B12-12	3/4	19	19	3/4-14	30	49	51
0151B12-16	3/4	19	19	1-11	38	49	45
0151B16-12	1	25.4	25	3/4-14	32	57	45
0151B16-16	1	25.4	25	1-11	38	58	60
0151B16-20	1	25.4	25	1.1/4-11	46	64	56
0151B20-20	1.1/4	31.8	32	1.1/4-11	46	66	70
0151B24-24	1.1/2	38.1	38	1.1/2-11	55	75	70
0151B32-32	2	50.8	50	2-11	65	70	66
0151B40-40	2.1/2	63.5	60	2.1/2-11	85	85	82

0251B



BSP 45° Swept Elbow 60° Cone

Product number	hose I.D.		Dimension				
	in	mm	DN	T	E	drop H	Cut-off C
0251B04-04	1/4	6.4	06	1/4-19	17	17	44
0251B05-06	5/16	7.9	08	3/8-19	19	19	50
0251B06-06	3/8	9.5	10	3/8-19	19	20	52
0251B06-08	3/8	9.5	10	1/2-14	24	23	54
0251B08-06	1/2	12.7	13	3/8-19	19	23	54
0251B08-08	1/2	12.7	13	1/2-14	24	25	60
0251B10-12	5/8	15.9	16	3/4-14	30	28	65
0251B12-12	3/4	19	19	3/4-14	30	28	65
0251B12-16	3/4	19	19	1-11	38	30	55
0251B16-16	1	25.4	25	1-11	38	30	74
0251B20-20	1.1/4	31.8	32	1.1/4-11	46	35	72
0251B24-24	1.1/2	38.1	38	1.1/2-11	55	35	72
0251B32-32	2	50.8	50	2-11	65	50	90

1350B**Metric Banjo**

Product number	hose I.D.		Dimension			
	in	mm	DN	hole T	H	S
1350B04-10	1/4	6.4	06	M10-1	11	17
1350B04-12	1/4	6.4	06	M12-1,5	12	20
1350B04-14	1/4	6.4	06	M14-1,5	14	24
1350B05-12	5/16	7.9	08	M12-1,5	12	20
1350B05-14	5/16	7.9	08	M14-1,5	14	24
1350B05-16	5/16	7.9	08	M16-1,5	19	28
1350B06-16	3/8	9.5	10	M16-1,5	19	28
1350B06-18	3/8	9.5	10	M18-1,5	20	32
1350B08-18	1/2	12.7	13	M18-1,5	20	32
1350B08-22	1/2	12.7	13	M22-1,5	23	36
1350B10-18	5/8	15.9	16	M18-1,5	20	32

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0009	16	0284H	125
0013	118	0284N	103
0019	139	0285	46
001C	11	0285N	101
001L	11	0345	21
0022	12	0345B	148
002M	141	0350	23
0030	78	0350B	149
0035	54	0350H	120
0041	30	0350N	91
0042	117	035G	24
0048	30	0360	33
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0050H	120	0370N	91
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0050N 0051N	92	037G	35
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0185	45	0980S	77
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HYDRO

Napędzamy Twoje możliwości



Korzyści współpracy:

- ▶ E-sklep www.B2B.hydro.pl - łatwość składania zamówień
- ▶ 90% produktów dostępnych „od ręki” bezpośrednio z magazynu
- ▶ **Szeroka oferta** produkowanych elementów systemów i hydrauliki siłowej
- ▶ 95% zamówień **realizowanych tego samego dnia**
- ▶ **Doradztwo techniczne** i własny dział konstrukcyjny
- ▶ Zaufany **partner** i wieloletnia współpraca z europejskimi dostawcami
- ▶ Konkurencyjne ceny dzięki pozycji **lidera hydrauliki siłowej** w Polsce
- ▶ Pełna **dokumentacja techniczna** produktów
- ▶ Sprawny serwis i obsługa gwarancyjna
- ▶ Możliwości **technologiczne i logistyczne**
- ▶ Profesjonalizm, **dbałość o klienta** - ponad 35 lat w branży hydrauliki siłowej





Końcówki do węży hydraulicznych

Fittings



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