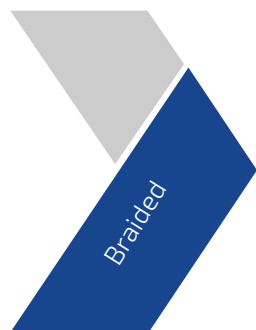


Standard Tail





**001C**



Swaged Ferrule (no  
skive)

**11**

**003C**



Swaged Ferrule (no  
skive)

**11**

**001L**



Swaged Ferrule (no  
skive)

**12**

**0022**



Swaged Ferrule (no  
skive)

**12**

**012N**



Swaged Ferrule

**13**

**012C**



Swaged Ferrule

**13**

**0001**



Swaged Ferrule (skive)

**14**

**0002**



Swaged Ferrule (skive)

**15**



**0009**



Swaged Ferrule (skive)

**16**

**004H**



Swaged Ferrule (skive)

**16**

**OSI4**



Swaged Ferrule (skive)

**17**

**BMC1**



Swaged Ferrule (no  
skive)

**17**

**BMC2**



Swaged Ferrule (no  
skive)

**18**



**0007**



Swaged Ferrule (no skive)

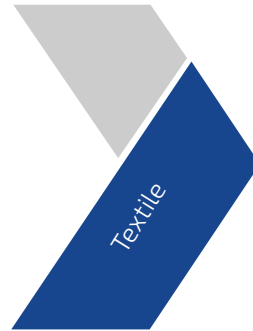
**18**

**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

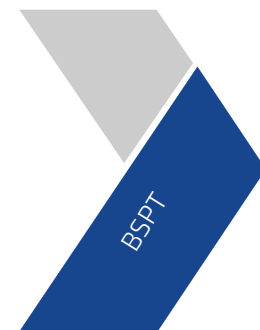
**32**

**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**

**0955**



JIC 90° Swept Elbow 74°  
cone - ISO SHORT

**41**

**2971**



JIC 90° Compact Elbow  
74° cone - Crimped Nut

**41**

SAE Boss

**0385**



SAE Male O'R Flat Seat

**42**

Metric DIN 24° L  
Series

**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**

Metric DIN 24° S  
Series

**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**

Metric standpipe

**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

## S155



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

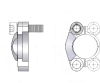
## FS6L



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**

Metric Karcher

## FK50



K' Female

78

## FN50



'K' Male ( for gun) -  
Diameter 10

79

## FN51



'K' Male ( for gun) -  
Diameter 11

79

Banjo/bolt

## 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

Junction

## D050



Hose Junction

84

Weldable Fitting

## GS00

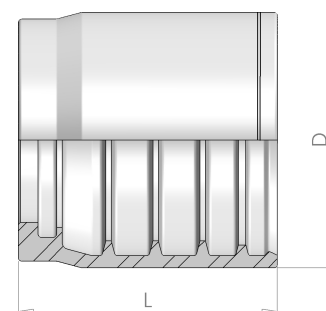


Weldable Fitting

85

## 001C

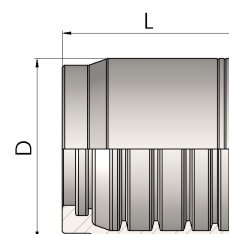
## Swaged Ferrule (no skive)



| 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                  |

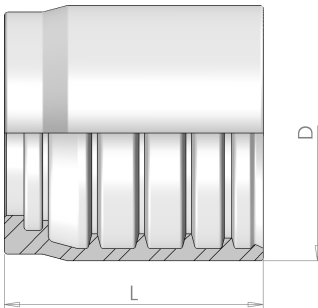
## 003C

## Swaged Ferrule (no skive)



| Product number | hose I.D. |      | Dimension |      | skive  | valid for |
|----------------|-----------|------|-----------|------|--------|-----------|
|                | in        | mm   | D         | L    | Length |           |
| 003C-08        | 1/2       | 12.7 | 31        | 31   | NO     | 3SC       |
| 003C-10        | 5/8       | 15.9 | 36        | 31   | NO     | 3SC       |
| 003C-12        | 3/4       | 19   | 40        | 38.5 | NO     | 3SC       |
| 003C-16        | 1         | 25.4 | 49        | 48   | NO     | 3SC       |

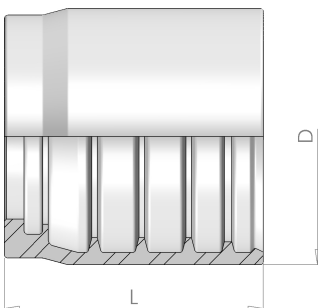
## 001L



### 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

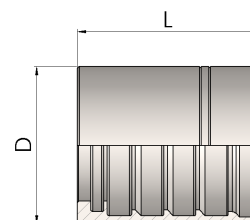


### Swaged Ferrule (no skive)

| 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

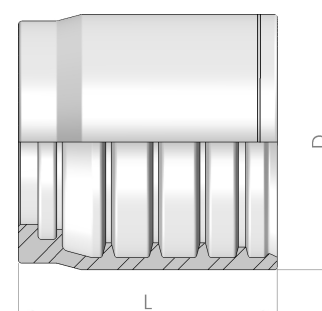
## Swaged Ferrule



| 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                 |

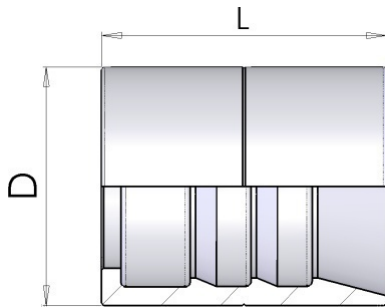
## 012C

## Swaged Ferrule



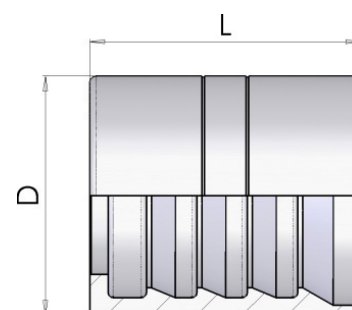
| Product number | hose I.D. |      | Dimension |    | skive  | valid for       |
|----------------|-----------|------|-----------|----|--------|-----------------|
|                | in        | mm   | D         | L  | Length | -               |
| 012C-20        | 1.1/4     | 31.8 | 49.2      | 56 | 43     | ONE 1RN-1SC-2SC |
| 012C-24        | 1.1/2     | 38.1 | 56.0      | 63 | 49     | ONE 1RN-1SC-2SC |
| 012C-32        | 2         | 50.8 | 69.2      | 73 | 58     | ONE 1RN-1SC-2SC |

0001

**Swaged Ferrule (skive)**

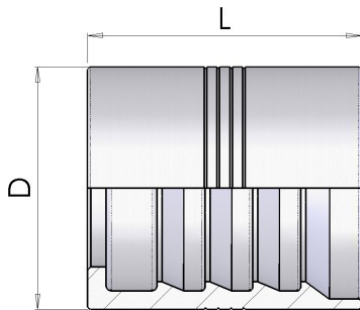
| Product number | hose I.D. |      | Dimension |      | skive  | valid for     |
|----------------|-----------|------|-----------|------|--------|---------------|
|                | in        | mm   | D         | L    | Length | -             |
| 0001-03        | 3/16      | 4.8  | 17.5      | 27   | 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)     |

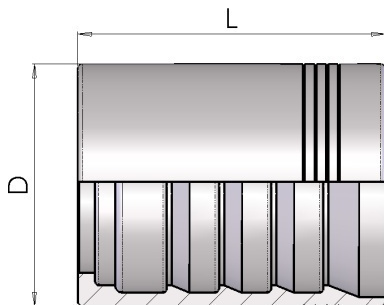
## 0009



### Swaged Ferrule (skive)

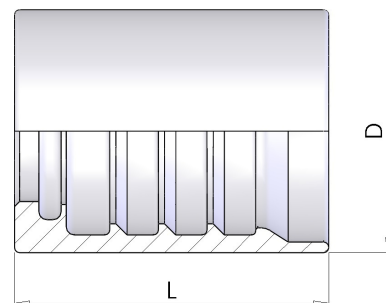
| Product number | hose I.D. |      | Dimension |      | skive  | valid for     |
|----------------|-----------|------|-----------|------|--------|---------------|
|                | in        | mm   | D         | L    | Length | -             |
| 0009-04        | 1/4       | 6.4  | 21        | 30   | 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

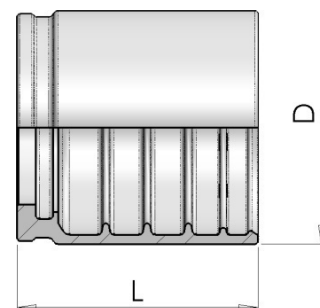


### Swaged Ferrule (skive)

| 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)     |

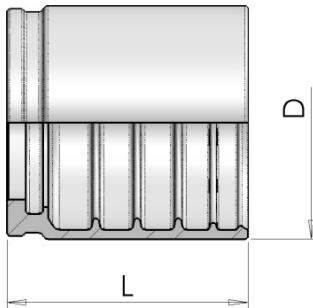
**OSI4****Swaged Ferrule (skive)**

| 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)       |

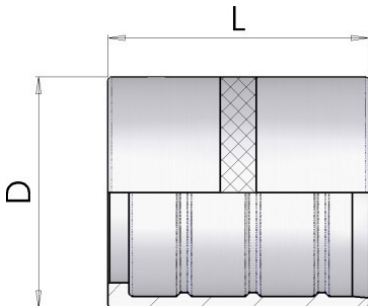
## BMC2



### 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) |

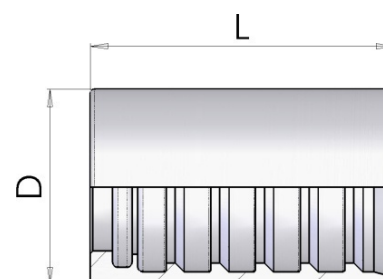
## 0007



### Swaged Ferrule (no skive)

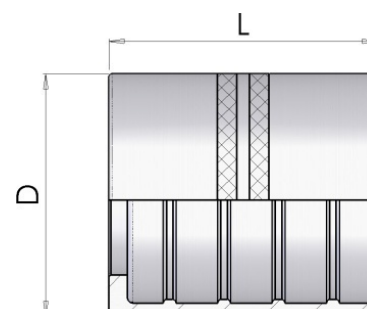
| Product number | hose I.D. |      | Dimension |    | skive  | valid for     |
|----------------|-----------|------|-----------|----|--------|---------------|
|                | in        | mm   | D         | L  | Length | -             |
| 0007-03        | 3/16      | 4.8  | 14        | 27 | NO     | 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)**

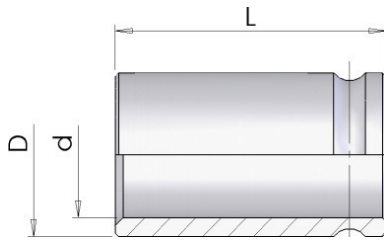
| Product number | hose I.D. |      | Dimension |    | skive  | valid for |
|----------------|-----------|------|-----------|----|--------|-----------|
|                | in        | mm   | D         | L  | Length | -         |
| 0008-03        | 3/16      | 4.8  | 13        | 25 | NO     | R8        |
| 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

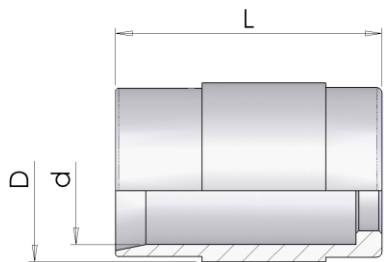


### Ferrule for PTFE hose

| 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)

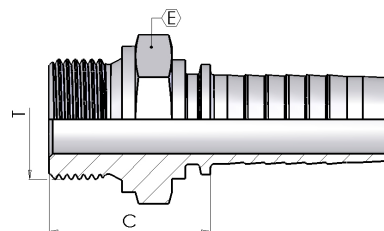
## PTFE-C



### Ferrule for PTFE hose

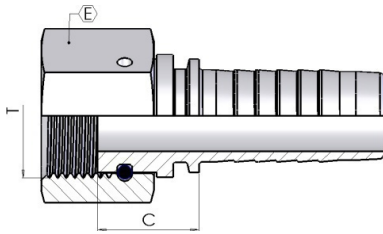
| Product number | hose I.D. |      | Dimension |      |       | skive  | valid for     |
|----------------|-----------|------|-----------|------|-------|--------|---------------|
|                | in        | mm   | D         | L    | d-int | Length | -             |
| PTFE-04-C      | 1/4       | 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        |

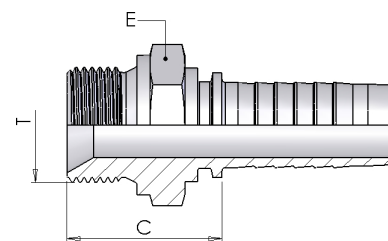
## 0060



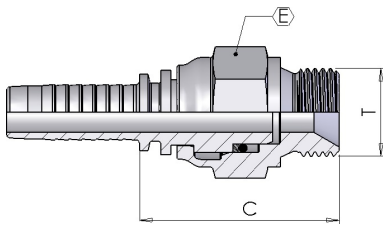
### BSP Female flat seat

(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        |

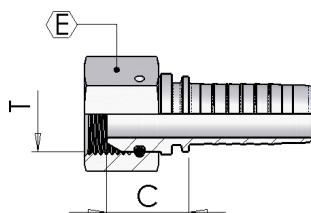
**0350****BSP Male Parallel 60° cone****(AGR)**

| 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        |

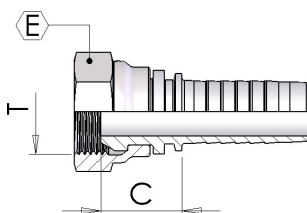
**035G****BSP Male Parallel 60° Cone - Rotating****(AGR-RO)**

| 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        |

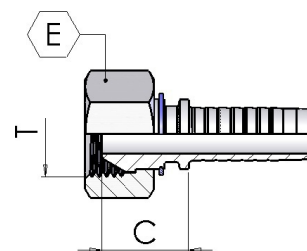
## 0050



## 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        |

(\*) - BSP O-Ring Female

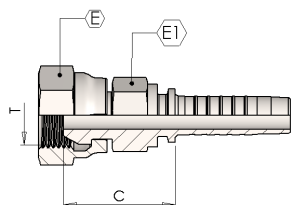
(\*) - On request available in version without O-Ring (in case of order use code 015X)



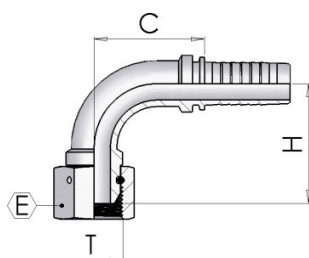
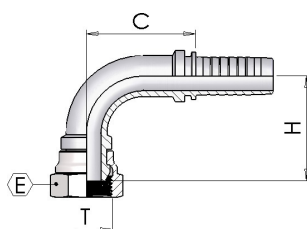
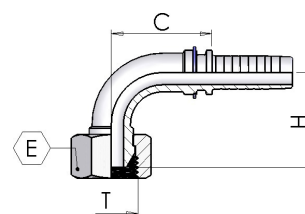
O-Ring

## 0051D

### BSP Female 60° Cone - Double Hexagon



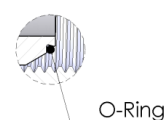
| Product number | hose I.D. |      | Dimension |        |    |    |           |
|----------------|-----------|------|-----------|--------|----|----|-----------|
|                | in        | mm   | dash size | T      | E  | E1 | Cut-off C |
| 0051D04-04     | 1/4       | 6,4  | 04        | 1/4-19 | 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       |

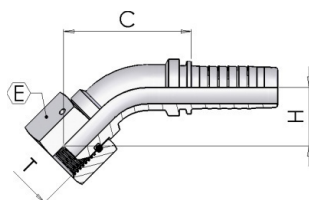
(\*) - BSP O-Ring Female

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

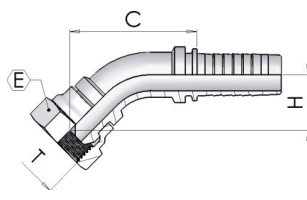


O-Ring

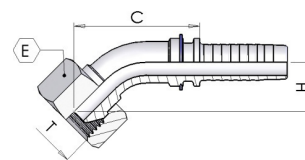
# 0250



# 0251



# 0258



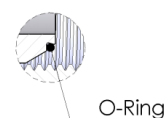
## BSP 45° Swept Elbow 60° Cone

### (DKR-45°)

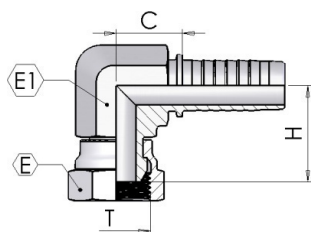
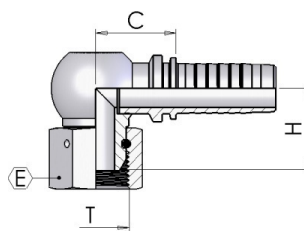
| Product number | hose I.D. |      | Dimension |          |    |        |           |
|----------------|-----------|------|-----------|----------|----|--------|-----------|
|                | in        | mm   | dash size | T        | E  | drop H | Cut-off C |
| 0251-03-02     | 3/16      | 4.8  | 03        | 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)

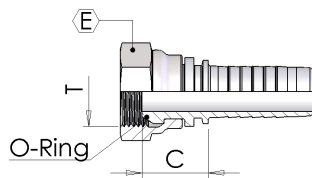


O-Ring

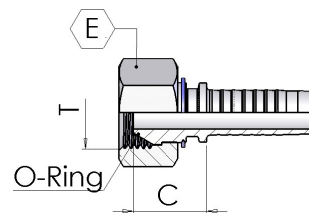
**2321****2300****BSP 90° Compact Elbow 60° Cone****(DKR 90° K)**

| 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**



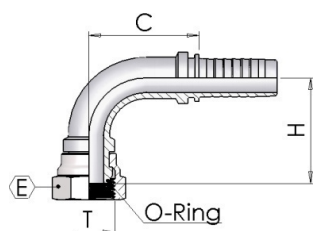
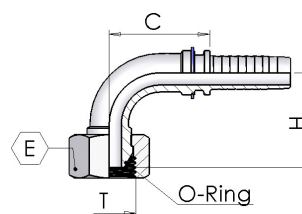
**0048**



## **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        |

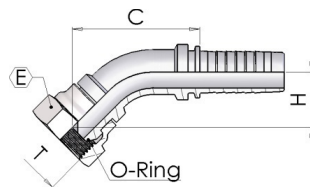
**0141****0148**

## BSP O'Ring 90° Swept elbow 60° cone

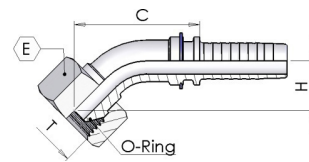
(DKOR 90°)

| 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

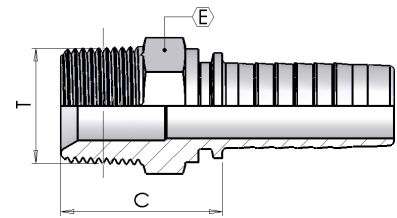


## 0248



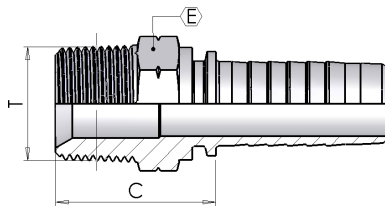
### BSP O'Ring 45° Swept Elbow 60° Cone (DKOR 45°)

| 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



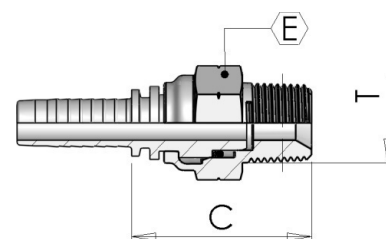
**NPTF Male 60° cone**

**(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**

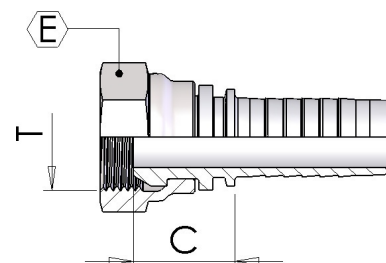
**NPTF Male Parallel 60° Cone -  
Rotating  
(AGN-RO)**



| 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        |

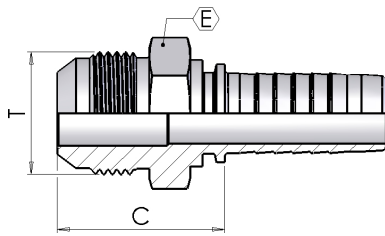
**N051**

**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        |

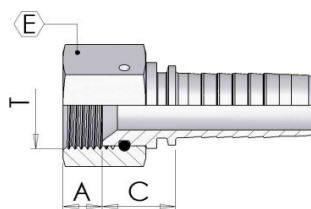
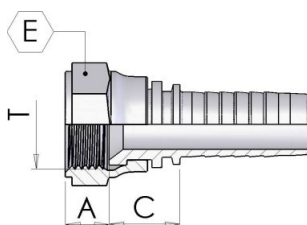
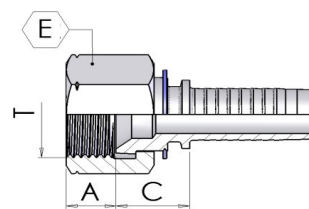
## 0850



**JIC Male 74° cone**

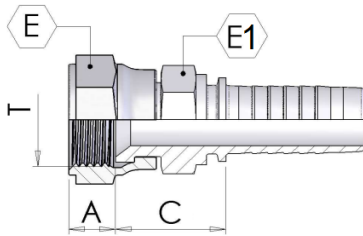
**(AGJ)**

| 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   |

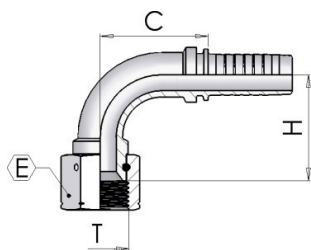
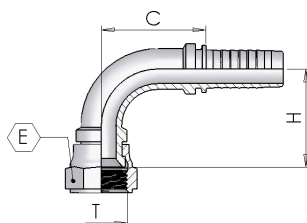
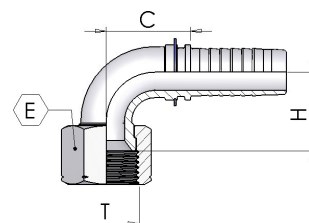
## 0901D



### JIC Female 74° Cone- Double Hexagon

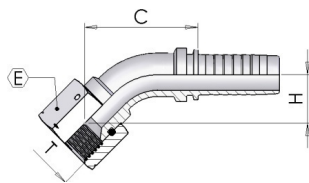
(DKJ)

| 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 |

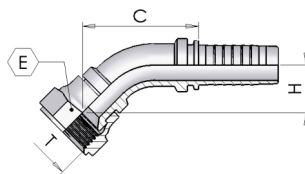
**0950****0951****0952****JIC 90° Swept Elbow 74° cone**

| 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       |

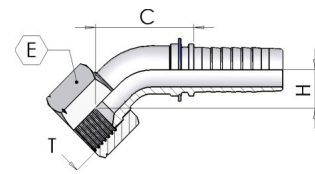
## 1000



## 1001



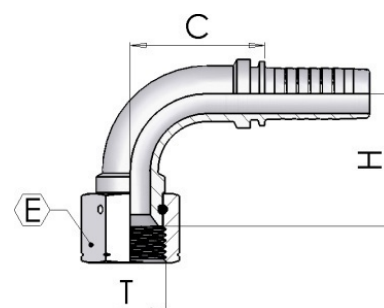
## 1002



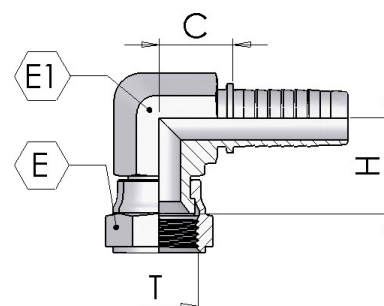
### JIC 45° Swept Elbow 74°

### (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       |

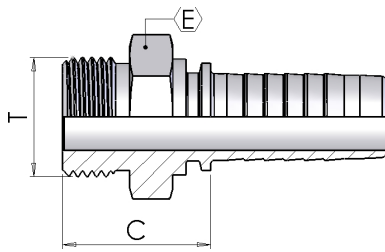
**095S****JIC 90° Swept Elbow 74° cone - ISO  
SHORT**

| 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      |

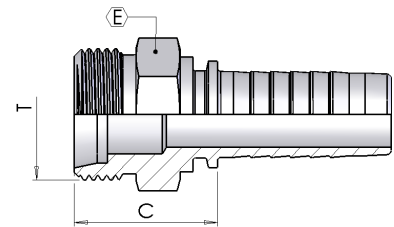
## 0385



### SAE Male O'R Flat Seat

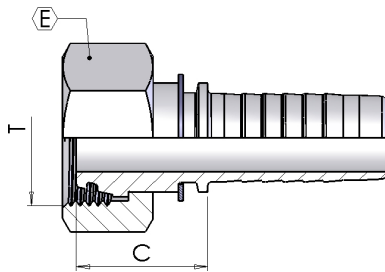
**(SAE-OR)**

| 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        |

**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)

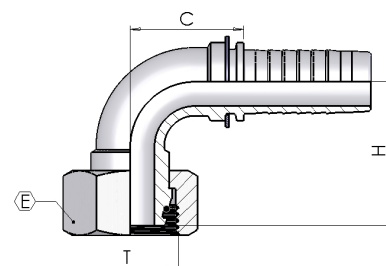
| Product number | hose I.D. |      | Dimension |         |      |    |           |
|----------------|-----------|------|-----------|---------|------|----|-----------|
|                | in        | mm   | dash size | T       | erm. | E  | Cut-off C |
| 0085-03-12     | 3/16      | 4.8  | 03        | 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

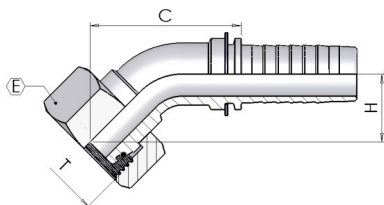
(DKOL-90°)



| 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

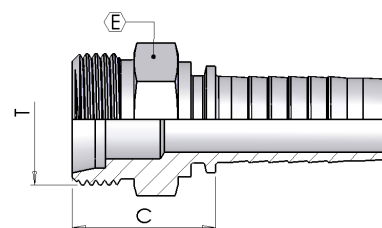


### 45° Metric Swept Elbow 24° Seat Light

(DKOL-45°)

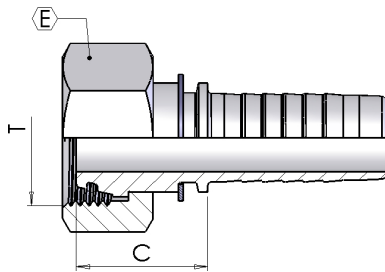
| Product number | hose I.D. |      | Dimension |         |      |    |    |           |
|----------------|-----------|------|-----------|---------|------|----|----|-----------|
|                | in        | mm   | dash size | T       | erm. | E  | H  | Cut-off C |
| 0285-03-12     | 3/16      | 4.8  | 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

**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)

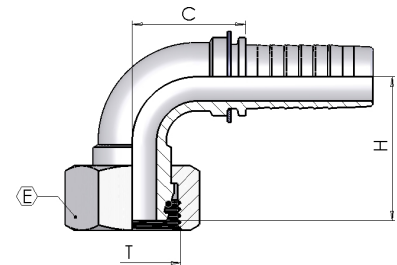
| Product number | hose I.D. |      | Dimension |         |      |    |           | Note |
|----------------|-----------|------|-----------|---------|------|----|-----------|------|
|                | in        | mm   | dash size | T       | erm. | E  | Cut-off C |      |
| 0084-03-14     | 3/16      | 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

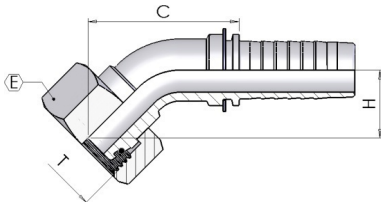
**(DKOS-90°)**



| 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

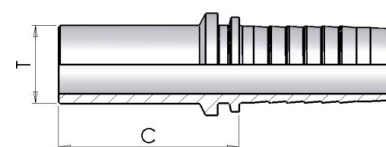


### 45° Metric Swept Elbow 24° Seat Heavy

(DKOS-45°)

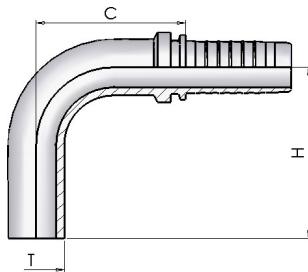
| Product number | hose I.D. |      | Dimension |         |      |    |        |           |
|----------------|-----------|------|-----------|---------|------|----|--------|-----------|
|                | in        | mm   | dash size | T       | erm. | E  | drop H | Cut-off C |
| 0284-03-16     | 3/16      | 4.8  | 03        | M16-1.5 | 8    | 19 | 16     | 36        |
| 0284-04-14     | 1/4       | 6.4  | 04        | M14-1.5 | 6    | 17 | 15     | 37        |
| 0284-04-16     | 1/4       | 6.4  | 04        | M16-1.5 | 8    | 19 | 15     | 42        |
| 0284-04-18     | 1/4       | 6.4  | 04        | M18-1.5 | 10   | 22 | 18     | 45        |
| 0284-05-20     | 5/16      | 7.9  | 05        | M20-1.5 | 12   | 24 | 19     | 49        |
| 0284-06-18     | 3/8       | 9.5  | 06        | M18-1.5 | 10   | 22 | 19     | 51        |
| 0284-06-20     | 3/8       | 9.5  | 06        | M20-1.5 | 12   | 24 | 18     | 53        |
| 0284-06-22     | 3/8       | 9.5  | 06        | M22-1.5 | 14   | 27 | 20     | 54        |
| 0284-08-24     | 1/2       | 12.7 | 08        | M24-1.5 | 16   | 30 | 21     | 63        |
| 0284-10-30     | 5/8       | 15.9 | 10        | M30-2   | 20   | 36 | 29     | 74        |
| 0284-12-30     | 3/4       | 19   | 12        | M30-2   | 20   | 36 | 30     | 87        |
| 0284-12-36     | 3/4       | 19   | 12        | M36-2   | 25   | 46 | 31     | 75        |
| 0284-16-36     | 1         | 25.4 | 16        | M36-2   | 25   | 46 | 34     | 85        |
| 0284-16-42     | 1         | 25.4 | 16        | M42-2   | 30   | 50 | 33     | 85        |
| 0284-20-52     | 1.1/4     | 31.8 | 20        | M52-2   | 38   | 60 | 39     | 105       |
| 0284-24-52     | 1.1/2     | 38.1 | 24        | M52-2   | 38   | 60 | 52     | 129       |

0550

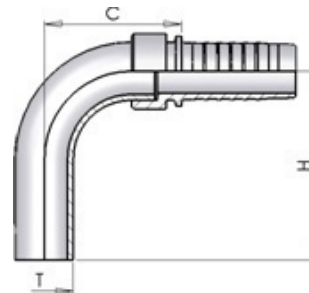
**Metric Standpipe****(BEL-BES)**

| 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



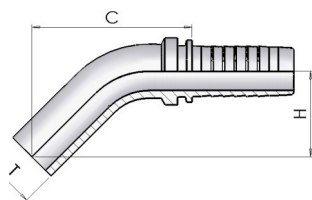
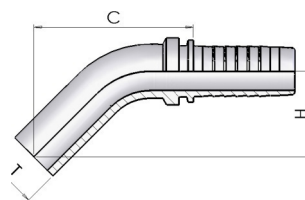
## 0650S



### 90° Metric Standpipe

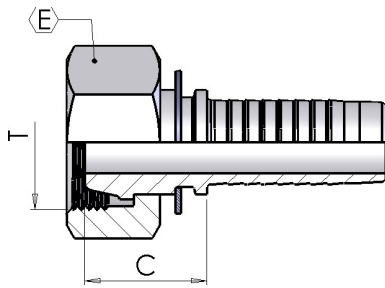
#### (BEL-BES 90°)

| 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)

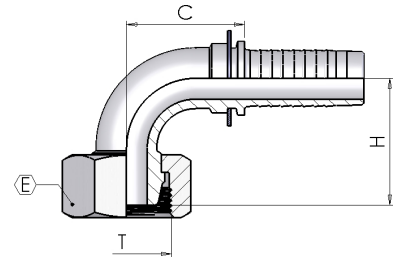
| Product number | hose I.D. |      | Dimension |         |      |    |           | Note |
|----------------|-----------|------|-----------|---------|------|----|-----------|------|
|                | in        | mm   | dash size | T       | erm. | E  | Cut-off C |      |
| 0035-03-12     | 3/16      | 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

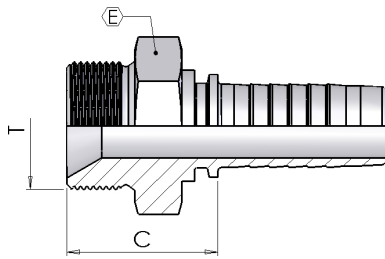
**0135**

## 90° Metric Swept Elbow 24° Seat Light Multiseal

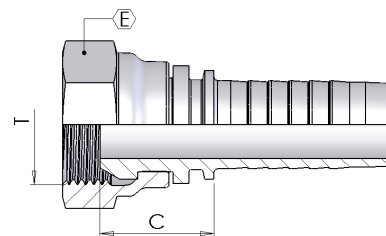
**(DKL-90°)**



| 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        |

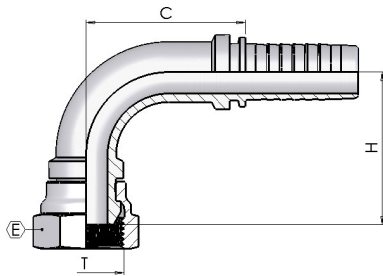
**0400****Metric Male 60° cone****(AGM)**

| 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        |

**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        |

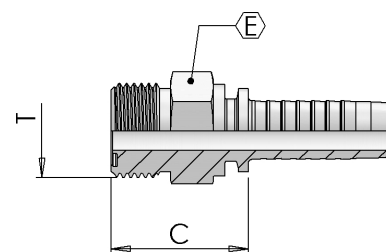
## 0200



### 90° Metric Swept Elbow 60° cone

(DKM-90°)

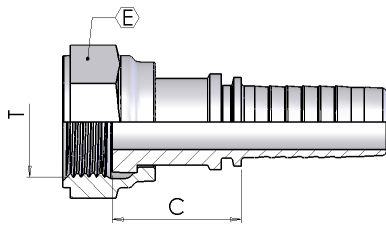
| Product number | hose I.D. |      | Dimension |         |    |        |           |
|----------------|-----------|------|-----------|---------|----|--------|-----------|
|                | in        | mm   | dash size | T       | E  | drop H | Cut-off C |
| 0200-03-10     | 3/16      | 4.8  | 03        | 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

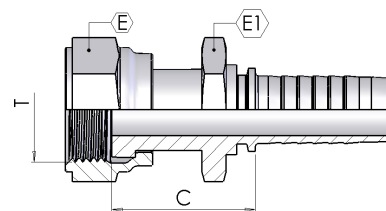
## S050



**ORFS Female**

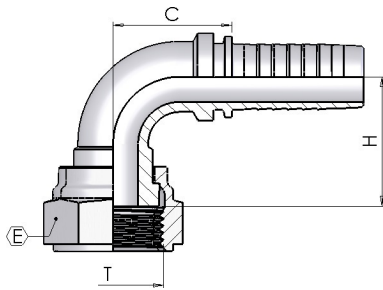
**(ORFS)**

| 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        |

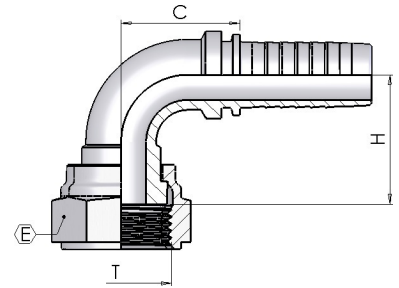
## S150



### ORFS 90° Swept Elbow

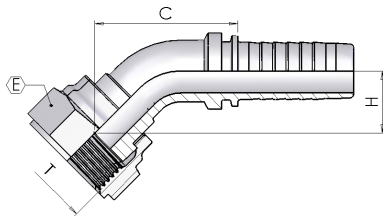
### (ORFS-90°)

| Product number | hose I.D. |      | Dimension |            |    |        |           | Note   |
|----------------|-----------|------|-----------|------------|----|--------|-----------|--------|
|                | in        | mm   | dash size | T          | E  | drop H | Cut-off C |        |
| S150-04-06     | 1/4       | 6.4  | 04        | 9/16-18    | 19 | 26     | 25        |        |
| S150-04-09     | 1/4       | 6.4  | 04        | 11/16-16   | 22 | 23     | 25        |        |
| S150-05-09     | 5/16      | 7.9  | 05        | 11/16-16   | 22 | 32     | 29        |        |
| S150-06-09     | 3/8       | 9.5  | 06        | 11/16-16   | 22 | 33     | 33        |        |
| S150-06-11     | 3/8       | 9.5  | 06        | 13/16-16   | 24 | 32     | 33        |        |
| S150-08-11     | 1/2       | 12.7 | 08        | 13/16-16   | 24 | 36     | 43        |        |
| S150-08-13     | 1/2       | 12.7 | 08        | 1-14       | 30 | 40     | 42        |        |
| S150-08-14     | 1/2       | 12.7 | 08        | 1.3/16-12  | 36 | 39     | 42        |        |
| S150-10-13     | 5/8       | 15.9 | 10        | 1-14       | 30 | 39     | 44        |        |
| S150-10-14     | 5/8       | 15.9 | 10        | 1.3/16-12  | 36 | 39     | 42        | Welded |
| S150-12-13     | 3/4       | 19   | 12        | 1-14       | 30 | 39     | 42        | Welded |
| S150-12-14     | 3/4       | 19   | 12        | 1.3/16-12  | 36 | 49     | 57        |        |
| S150-12-15     | 3/4       | 19   | 12        | 1.7/16-12  | 41 | 51     | 56        |        |
| S150-16-15     | 1         | 25.4 | 16        | 1.7/16-12  | 41 | 62     | 67        |        |
| S150-16-21     | 1         | 25.4 | 20        | 1.11/16-12 | 50 | 58     | 62        | Welded |
| S150-20-21     | 1.1/4     | 31.8 | 20        | 1.11/16-12 | 50 | 58     | 63        | Welded |
| S150-24-32     | 1.1/2     | 38.1 | 24        | 2-12       | 60 | 73     | 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        |

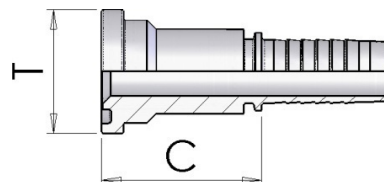
## S250



### ORFS 45° Swept Elbow

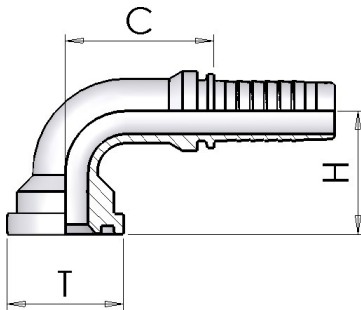
(ORFS-45°)

| 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        |      |

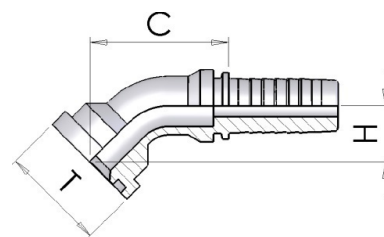
# 1060



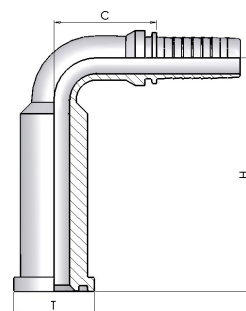
**90° SAE Flange 3000 PSI**

**(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       |

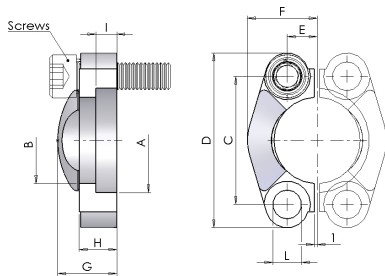
**1160****45° SAE Flange 3000 PSI****(SFL 45°)**

| 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        |

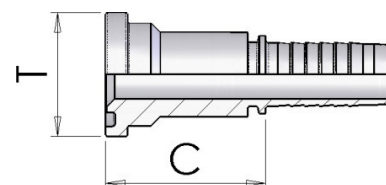
## S003



### Cut Split Flanges - 3000 psi

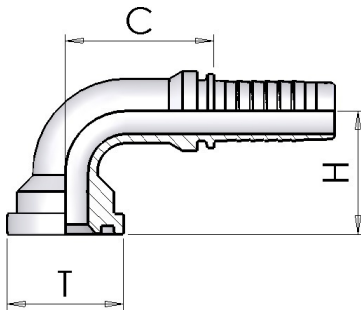
| Product number | SAE    | Dimension |      |      |     |      |      |    |    |     |      |
|----------------|--------|-----------|------|------|-----|------|------|----|----|-----|------|
|                | size   | A         | B    | C    | D   | E    | F    | G  | H  | I   | L    |
| S003-08        | 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        |

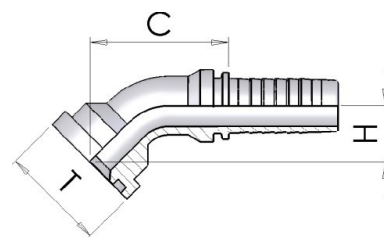
# 1110



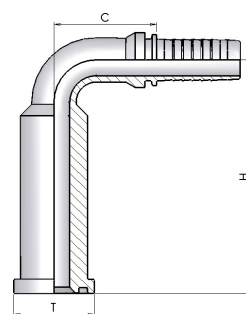
## 90° SAE Flange 6000 PSI

(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       |

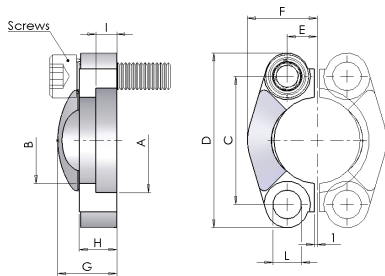
**1210****45° SAE Flange 6000 PSI****(SFS 45°)**

| 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

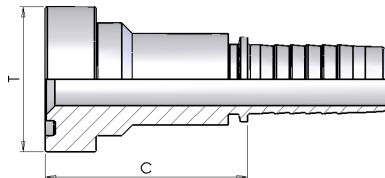


### Cut Split Flanges - 6000 psi

| 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

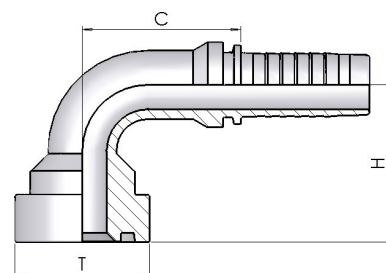
## 130S



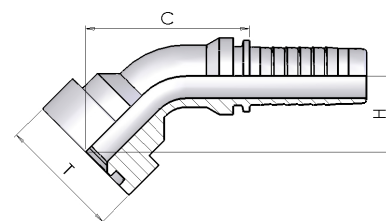
### Straight 'CAT' Flange

(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        |

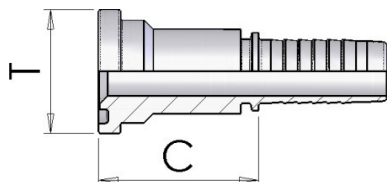
**110S****90° 'CAT' Flange****(SFC 90°)**

| 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

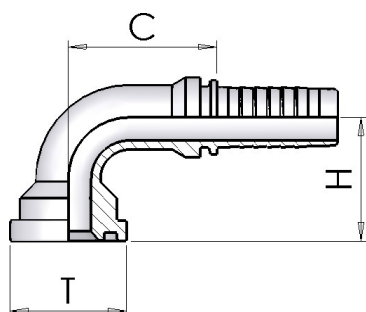


### Flangia Komatsu dritta SAE 3000 PSI

(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

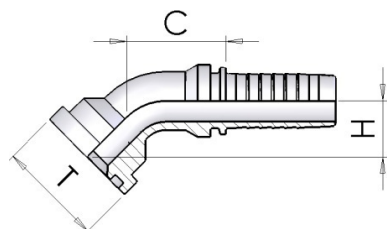


### Komatsu Flange 90°

(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 |

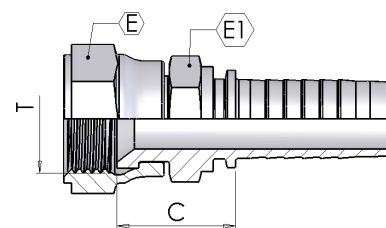
## 1150



### Flangia Komatsu 45° SAE 3000 PSI

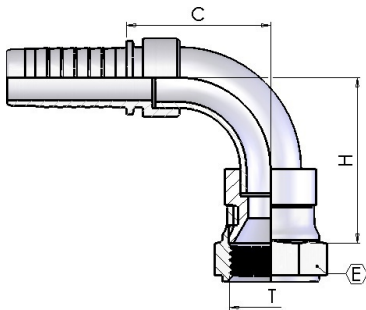
(SFL 45°)

| 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

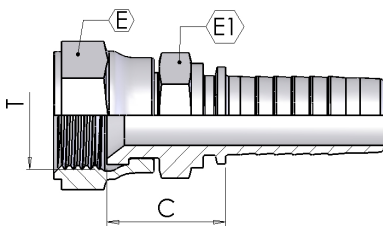


### 90° JIS Swept Elbow (Komatsu) - welded

(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        |

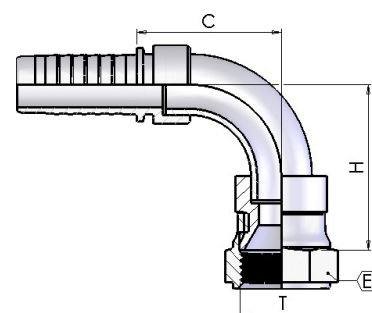
## 0930



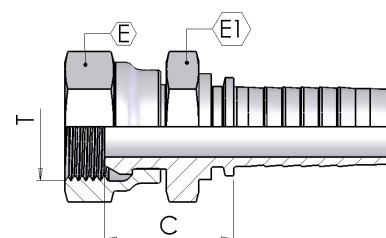
### JIS Female 60° cone (Toyota)

(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        |

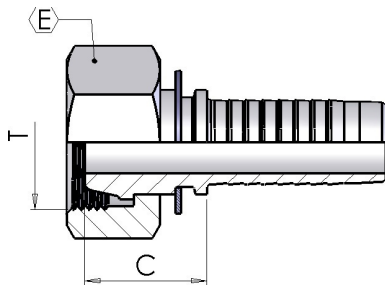
**0980S****90° JIS Swept Elbow (Toyota) -  
welded****(JIS-T 90°)**

| 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

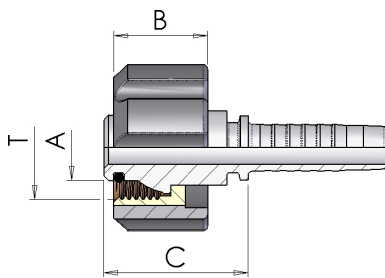


### Metric Female 24° Cone French Type

(DKF)

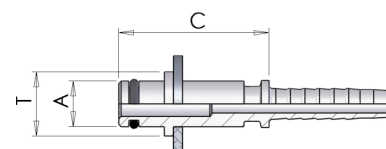
| Product number | hose I.D. |      | Dimension |         |    |           |
|----------------|-----------|------|-----------|---------|----|-----------|
|                | in        | mm   | dash size | T       | E  | Cut-off C |
| 0030-05-20     | 5/16      | 7.9  | 05        | M20-1.5 | 24 | 25        |
| 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

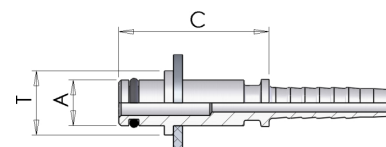


K' Female

| 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        |

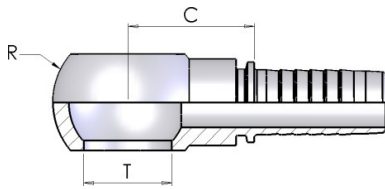
**FN50****'K' Male ( for gun) - Diameter 10**

| 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        |

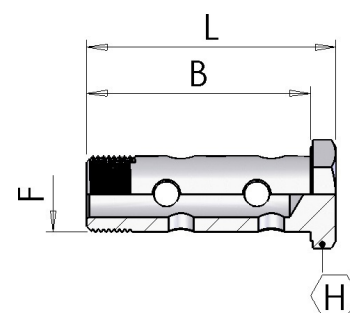
## 1400



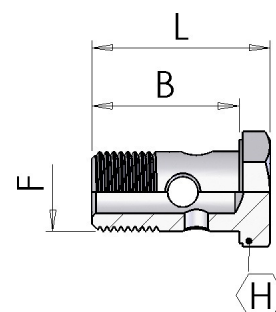
BSP Banjo

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        |

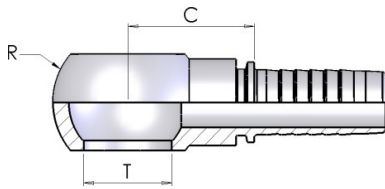
**1600****Double BSP Perford Bolt**

| 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 Perford 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 |

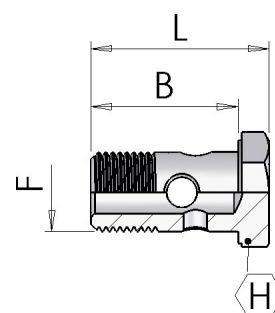
## 1350



## Metric Banjo

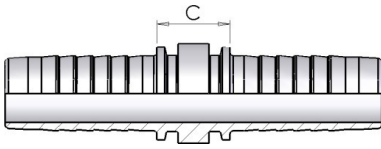
## RNM

| 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

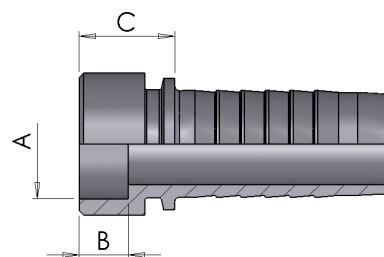


## Hose Junction

| 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