

Fittings

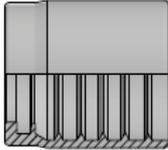
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EHRCO

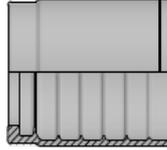
FERRULES FOR STANDARD FITTINGS

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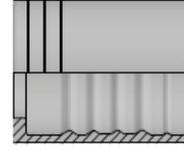
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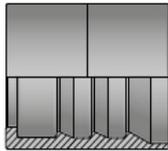
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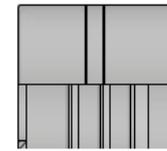
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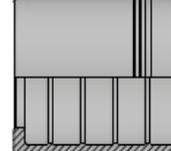
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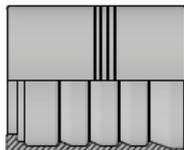
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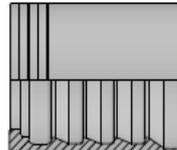
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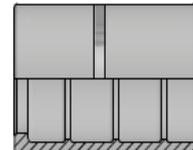
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(SKIVE)**
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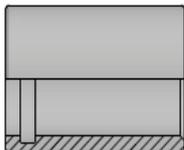
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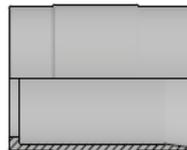
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**FERRULE FOR
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PTFE**
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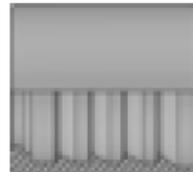
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**FERRULE FOR
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Page 4

**FERRULE FOR
SPIRAL WIRE HOSE
(NO SKIVE)**
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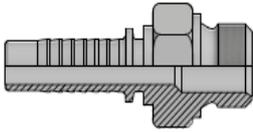


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BSP - BSPT

BSPP MALE 60 DEG CONE

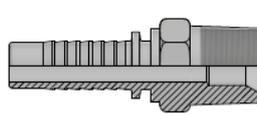
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Page 6

BSPT TAPERED MALE

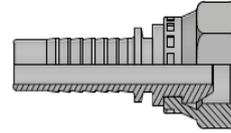
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BSPP FEMALE 60 DEG CONE

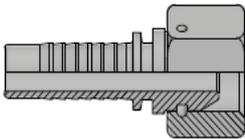
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Page 8

BSPP FEMALE (THRUST WIRE NUT) 1-1/4" - 2"

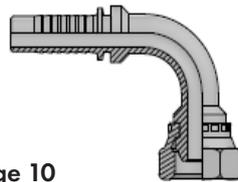
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BSPP FEMALE - 60 DEG CONE - 90 DEG ELBOW

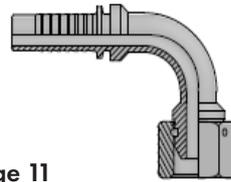
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BSPP FEMALE SWIVEL 90 DEG ELBOW (THRUST WIRE NUT) 1-1/4" - 2"

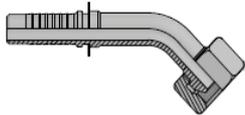
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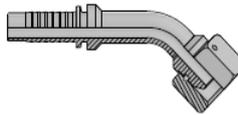
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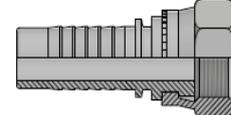
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Page 13

BSPP FEMALE (FLAT SEAT)

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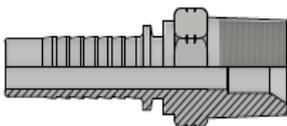
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EHRCO

NPT

NPTF MALE

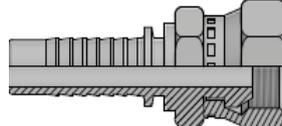
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NPSM FEMALE

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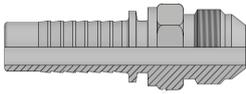


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JIC 37 DEG

JIC 37 DEG MALE

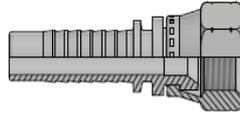
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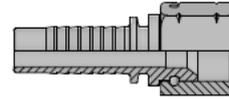
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Page 18

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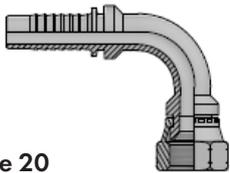
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JIC 37 DEG FEMALE SWIVEL - 90 DEG ELBOW

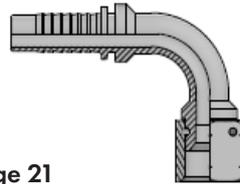
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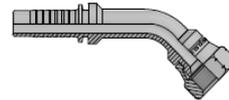
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JIC 37 DEG FEMALE SWIVEL - 45 DEG ELBOW

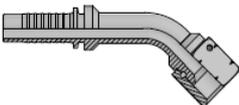
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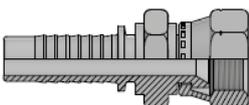


Page 23

JIS

KOMATSU STYLE FEMALE SWIVEL (60 DEG CONE)

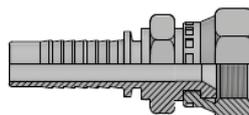
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Page 23

TOYOTA STYLE FEMALE SWIVEL (60 DEG CONE)

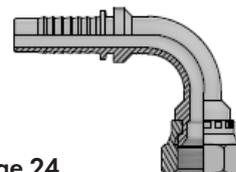
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TOYOTA STYLE FEMALE SWIVEL 90 DEG ELBOW

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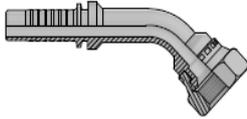
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JIS (CONTINUED)

**TOYOTA STYLE FEMALE
SWIVEL 45 DEG ELBOW**

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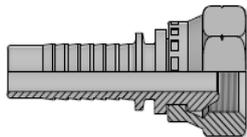


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METRIC / DIN

**METRIC FEMALE 60 DEG
CONE**

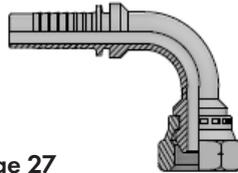
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**METRIC FEMALE SWIVEL 90
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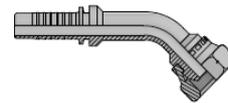
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**METRIC FEMALE SWIVEL 45
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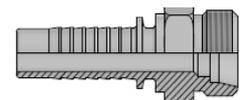
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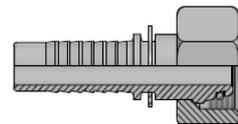
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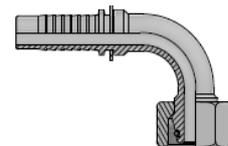
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Page 30

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CONE - 90 DEG ELBOW L
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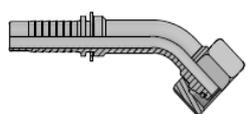
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CONE - 45 DEG ELBOW**

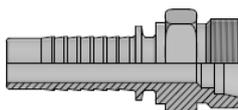
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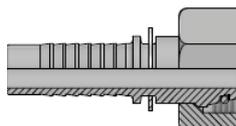
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CONE - S TYPE**

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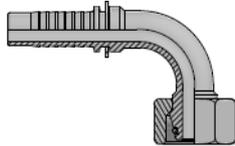
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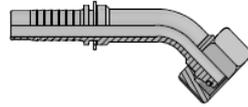
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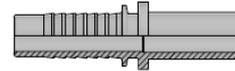
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STANDPIPE

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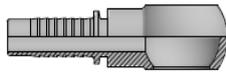


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BANJO

BSP BANJO

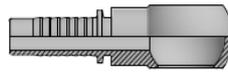
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METRIC BANJO

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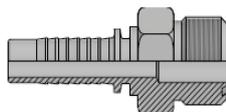


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ORFS

ORFS MALE

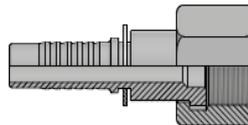
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ORFS FEMALE

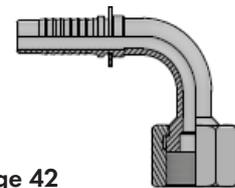
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**ORFS FEMALE SWIVEL 90
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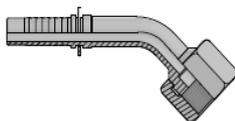
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**ORFS FEMALE SWIVEL 45
DEG ELBOW**

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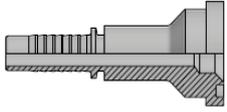
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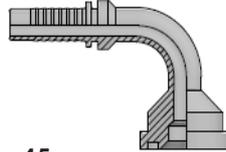
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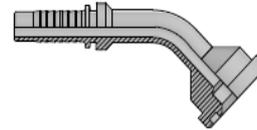
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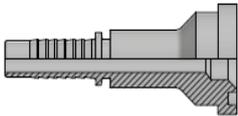
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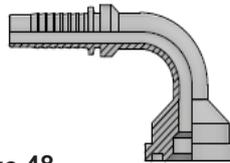
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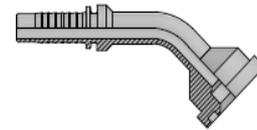
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ELBOW 6000 PSI

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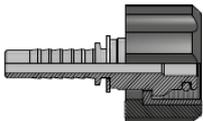


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HIGH PRESSURE CLEANING

WATERJET CLEANER
FEMALE FK TYPE

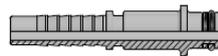
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PISTOL WASH CLEANER

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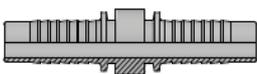


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OTHERS

DOUBLE CONNECTOR

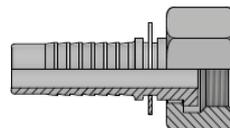
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WHITWORTH CO2 FEMALE

CO2

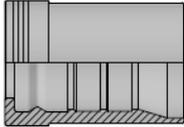


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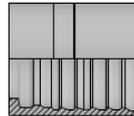
INTERLOCK FERRULES

FERRULE FOR
4SH
(SKIVE)
05405V



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FERRULE FOR
R13/R15
(SKIVE)
05406V

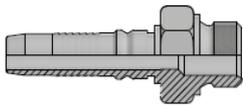


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INTERLOCK BSPP

INTERLOCK BSPP MALE

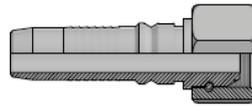
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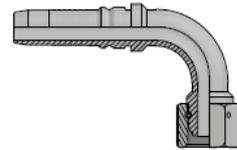
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INTERLOCK BSPP FEMALE
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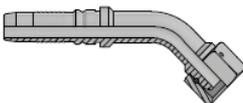
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45 DEG ELBOW

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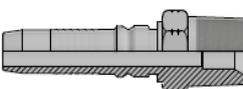


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INTERLOCK NPT

INTERLOCK NPTF MALE

13206



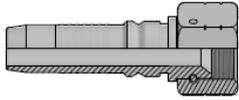
Page 54

EHRCO

INTERLOCK JIC 37DEG

INTERLOCK JIC FEMALE

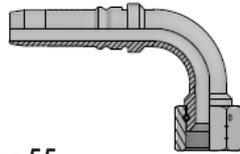
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INTERLOCK JIC FEMALE 90 DEG ELBOW

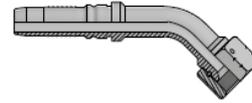
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Page 55

INTERLOCK JIC FEMALE 45 DEG ELBOW

15146

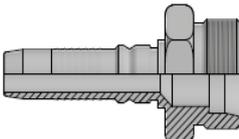


Page 56

INTERLOCK DIN

INTERLOCK METRIC MALE 24 DEG CONE S TYPE

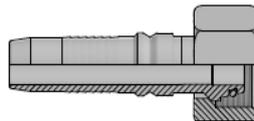
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INTERLOCK METRIC FEMALE 24 DEG CONE S TYPE

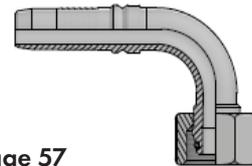
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INTERLOCK METRIC FEMALE 24 DEG CONE - S TYPE - 90 DEG ELBOW

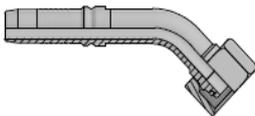
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INTERLOCK METRIC FEMALE 24 DEG CONE - S TYPE - 45 DEG ELBOW

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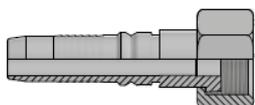


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INTERLOCK ORFS

INTERLOCK ORFS FEMALE

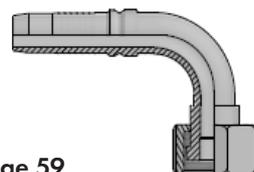
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INTERLOCK ORFS FEMALE 90 DEG ELBOW

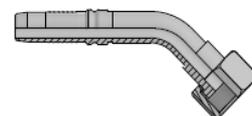
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INTERLOCK ORFS FEMALE 45 DEG ELBOW

15246



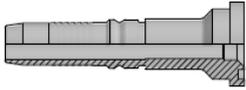
Page 59

EHRCO

INTERLOCK FLANGES

**INTERLOCK FLANGE CODE
61 3000 PSI**

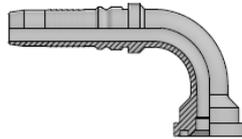
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**INTERLOCK FLANGE CODE
61 90 DEG ELBOW 3000 PSI**

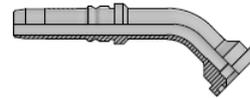
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**INTERLOCK FLANGE CODE
61 45 DEG ELBOW 3000 PSI**

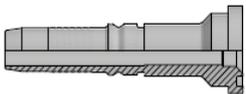
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**INTERLOCK FLANGE CODE
62 6000 PSI**

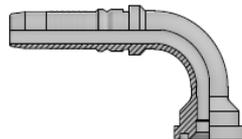
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**INTERLOCK FLANGE CODE
62 90 DEG ELBOW 6000
PSI**

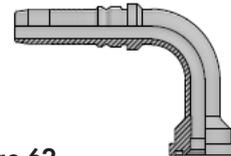
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**INTERLOCK FLANGE CODE
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PSI LONG DROP**

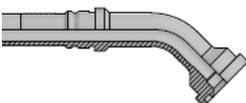
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**INTERLOCK FLANGE CODE
62 45 DEG ELBOW 6000
PSI**

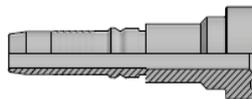
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**INTERLOCK FLANGE
SUPERCAT STYLE**

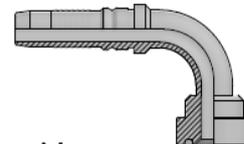
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**INTERLOCK FLANGE
SUPERCAT STYLE 90 DEG
ELBOW**

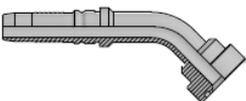
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**INTERLOCK FLANGE
SUPERCAT STYLE 45 DEG
ELBOW**

14946



Page 64

PRESSURE GAUGES

14946

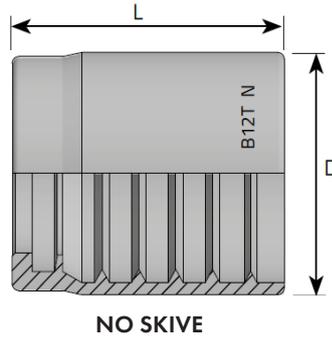


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EHRCO

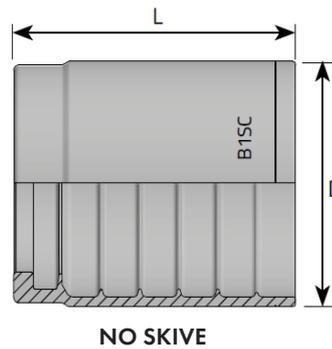
FERRULE FOR 1SN / 2SN / 2SC - 05000

Code	Tube		Dimensions	
	Hose Diameter		D mm	L mm
	Inch	mm		
05000-03	3/16"	4.8	21	23
05000-04	1/4"	6.4	23	30
05000-05	5/16"	7.9	24	30
05000-06	3/8"	9.5	26	32
05000-08	1/2"	12.8	29	34
05000-10	5/8"	16	33	37
05000-12	3/4"	19	37	42
05000-16	1"	25.4	46	51
05000-20	1-1/4"	31.8	59	59
05000-24	1-1/2"	38.1	67	67
05000-32	2"	50.8	80	72



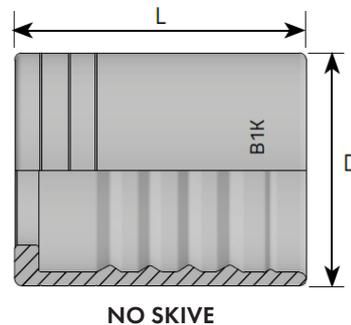
FERRULE FOR 1SC / 1SN / 2SC - 05001

Code	Tube		Dimensions	
	Hose Diameter		D mm	L mm
	Inch	mm		
05001-04	1/4"	6.4	20	30
05001-05	5/16"	7.9	22	30
05001-06	3/8"	9.5	24	32
05001-08	1/2"	12.8	28	34
05001-10	5/8"	16	32	37
05001-12	3/4"	19	35	42
05001-16	1"	25.4	43	51



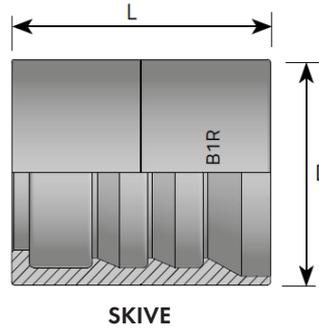
FERRULE FOR 1SC / SLIM / R17 / R7 / R6 1TE/2TE - 05770-**v

Code	Tube		Dimensions	
	Hose Diameter		D mm	L mm
	Inch	mm		
05770-04V	1/4"	6.4	18	30
05770-05V	5/16"	7.9	20	30
05770-06V	3/8"	9.5	22	32
05770-08V	1/2"	12.8	26	34
05770-10V	5/8"	16	30	37
05770-12V	3/4"	19	33	42
05770-16V	1"	25.4	41	51



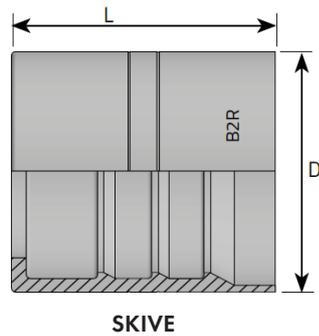
FERRULE FOR 1ST / R1A - 05100

Code	Tube		Dimensions	
	Hose Diameter		D mm	L mm
	Inch	mm		
05100-03	3/16"	4.8	17	26.5
05100-04	1/4"	6.4	20	29.5
05100-05	5/16"	7.9	22	29.5
05100-06	3/8"	9.5	24	32
05100-08	1/2"	12.8	29	34
05100-10	5/8"	16	32	37
05100-12	3/4"	19	36	43
05100-16	1"	25.4	43	50
05100-20	1-1/4"	31.8	52	57
05100-24	1-1/2"	38.1	57	63
05100-32	2"	50.8	70	78



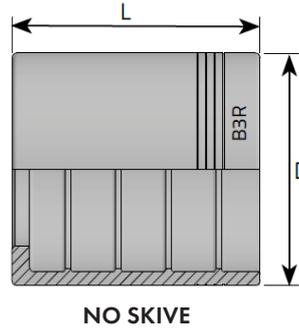
FERRULE FOR 2ST / R2A - 05200

Code	Tube		Dimensions	
	Hose Diameter		D mm	L mm
	Inch	mm		
05200-03	3/16"	4.8	20	27
05200-04	1/4"	6.4	22	30
05200-05	5/16"	7.9	24	30
05200-06	3/8"	9.5	26	32
05200-08	1/2"	12.8	30	34
05200-10	5/8"	16	34	37
05200-12	3/4"	19	38	43
05200-16	1"	25.4	46	50
05200-20	1-1/4"	31.8	56	59
05200-24	1-1/2"	38.1	62	63
05200-32	2"	50.8	75	79



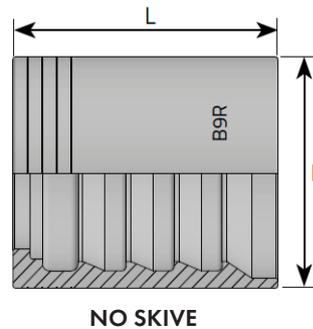
FERRULE FOR R3 / R4 - 05030

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05030-04	1/4"	6.4	19	29
05030-05	5/16"	7.9	22	30
05030-06	3/8"	9.5	24	31
05030-08	1/2"	12.8	28.5	34
05030-10	5/8"	16	32	36
05030-12	3/4"	19	38	42
05030-16	1"	25.4	46	50
05030-20	1-1/4"	31.8	52	57



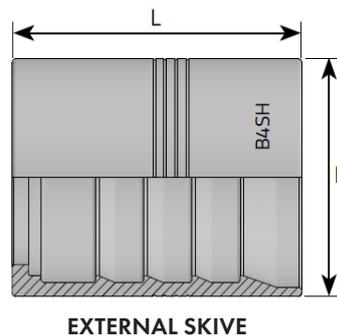
FERRULE FOR R9R-4SP - 05404-**V

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05404-04V	1/4"	6.4	22	30
05404-06V	3/8"	9.5	26	32
05404-08V	1/2"	12.8	30	34
05404-10V	5/8"	16	34	40
05404-12V	3/4"	19	38	45.2
05404-16V	1"	25.4	46	56
05404-20V	1-1/4"	31.8	59	66
05404-24V	1-1/2"	38.1	65	76.5
05404-32V	2"	50.8	80	80



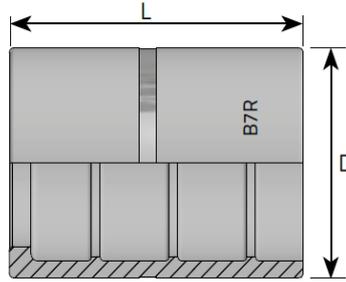
FERRULE FOR 4SH (skive) - 05403-**V

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05403-20V	1-1/4"	31.8	52	66
05403-24V	1-1/2"	38.1	62	76.5
05403-32V	2"	50.8	75	80



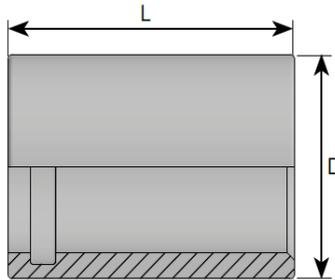
FERRULE FOR R7 / MTH 1/R6 - 05070-V**

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05070-03V	3/16"	4.8	14	30
05070-04V	1/4"	6.4	17	30
05070-05V	5/16"	7.9	19	30
05070-06V	3/8"	9.5	21	30
05070-08V	1/2"	12.8	25.5	34
05070-10V	5/8"	16	28.5	36
05070-12V	3/4"	19	32	42
05070-16V	1"	25.4	40	50



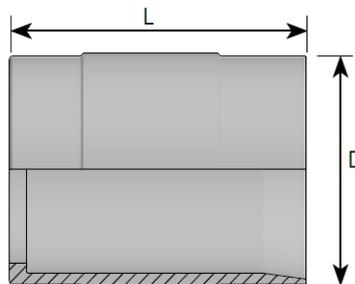
FERRULE FOR SMOOTH PTFE - 05901

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05901-04	1/4"	6.4	16	26.5
05901-06	3/8"	9.5	19	30
05901-08	1/2"	12.8	24	32
05901-10	5/8"	16	25.5	35
05901-12	3/4"	19	30.5	40
05901-16	1"	25.4	37	47



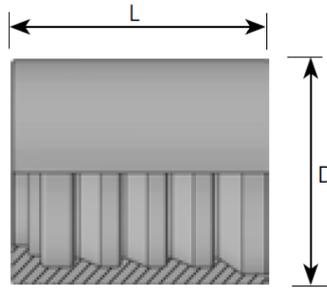
FERRULE FOR PTFE COVOLUTED - 05990

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05990-04	1/4"	6.4	17.8	26.5
05990-06	3/8"	9.5	20	30.5
05990-08	1/2"	12.8	24	33
05990-10	5/8"	16	29	35
05990-12	3/4"	19	31.1	41
05990-16	1"	25.4	38	47



FERRULE FOR 4SP-4SH-R12 - 05400_**V

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05400-12V	3/4"	19	45	46.6
05400-16V	1"	25.4	54	61.2

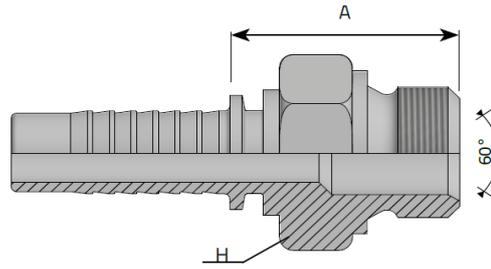


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BSPP MALE - 60 DEG CONE - 13000

AVAILABLE TO ORDER

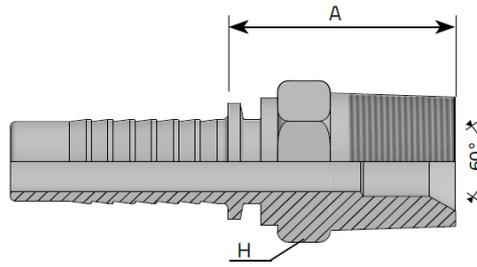


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter		T	t/1"	H	A	Bar	psi
	Inch	mm	Inch		mm	mm		
13000-03-02	3/16"	4.8	1/8"	28	14	20.5	350	5076
13000-03-04	3/16"	4.8	1/4"	19	19	26	415	6019
13000-04-02	1/4"	6.4	1/8"	28	14	20.5	350	5076
13000-04-04	1/4"	6.4	1/4"	19	19	27	450	6526
13000-04-06	1/4"	6.4	3/8"	19	22	29	450	6526
13000-04-08	1/4"	6.4	1/2"	14	27	32	450	6526
13000-05-04	5/16"	7.9	1/4"	19	19	27	350	5076
13000-05-06	5/16"	7.9	3/8"	19	22	29	350	5076
13000-05-08	5/16"	7.9	1/2"	14	27	32	350	5076
13000-06-04	3/8"	9.5	1/4"	19	19	27	450	6526
13000-06-06	3/8"	9.5	3/8"	19	22	29	450	6526
13000-06-08	3/8"	9.5	1/2"	14	27	32	450	6526
13000-08-06	1/2"	12.8	3/8"	19	22	29	415	6019
13000-08-08	1/2"	12.8	1/2"	14	27	33	415	6019
13000-08-10	1/2"	12.8	5/8"	14	30	34.5	415	6019
13000-08-12	1/2"	12.8	3/4"	14	32	36	415	6019
13000-10-08	5/8"	16	1/2"	14	27	33	350	5076
13000-10-10	5/8"	16	5/8"	14	30	34.5	350	5076
13000-10-12	5/8"	16	3/4"	14	32	36	350	5076
13000-10-16	5/8"	16	1"	11	38	40	350	5076
13000-12-08	3/4"	19	1/2"	14	27	34	350	5076
13000-12-10	3/4"	19	5/8"	14	30	36	350	5076
13000-12-12	3/4"	19	3/4"	14	32	37	350	5076
13000-12-16	3/4"	19	1"	11	38	40	350	5076
13000-16-12	1"	25.4	3/4"	14	32	38	280	4061
13000-16-16	1"	25.4	1"	11	38	40	280	4061
13000-16-20	1"	25.4	1-1/4"	11	50	45	280	4061
13000-20-20	1-1/4"	31.8	1-1/4"	11	50	46	210	3046
13000-20-24	1-1/4"	31.8	1-1/2"	11	55	46	210	3046
13000-24-24	1-1/2"	38.1	1-1/2"	11	55	46	185	2683
13000-24-32	1-1/2"	28.1	2"	11	70	53	185	2683
13000-32-32	2"	50.8	2"	11	70	54	165	2393



BSPT TAPERED MALE - 13300

AVAILABLE TO ORDER

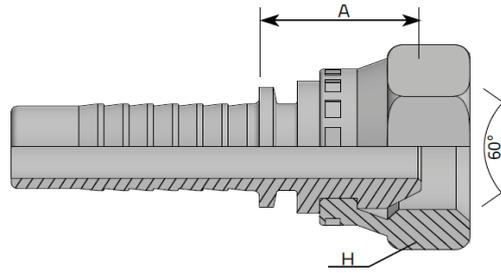


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter		T	t/1"	H	A	Bar	psi
	Inch	mm	Inch		mm	mm		
13300-03-02	3/16"	4.8	1/8"	28			350	5076
13300-03-04	3/16"	4.8	1/4"	19		22	415	6019
13300-04-02	1/4"	6.4	1/8"	28		22.5	350	5076
13300-04-04	1/4"	6.4	1/4"	19		27	450	6526
13300-04-06	1/4"	6.4	3/8"	19		28	450	6526
13300-05-04	5/16"	7.9	1/4"	19		27	350	5076
13300-05-06	5/16"	7.9	3/8"	19		28	350	5076
13300-06-04	3/8"	9.5	1/4"	19		28	450	6526
13300-06-06	3/8"	9.5	3/8"	19		28	450	6526
13300-06-08	3/8"	9.5	1/2"	14		34	415	6019
13300-08-06	1/2"	12.8	3/8"	19		28	415	6019
13300-08-08	1/2"	12.8	1/2"	14		34.5	415	6019
13300-10-08	5/8"	16	1/2"	14		34.5	350	5076
13300-10-12	5/8"	16	3/4"	14		36.5	350	5076
13300-12-12	3/4"	19	3/4"	14		37	350	5076
13300-12-16	3/4"	19	1"	11		45	280	4061
13300-16-16	1"	25.4	1"	11		46	280	4061
13300-16-20	1"	25.4	1-1/4"	11		45.5	210	3046
13300-20-20	1-1/4"	31.8	1-1/4"	11		46	210	3046
13300-20-24	1-1/4"	31.8	1-1/2"	11		47	185	2683
13300-24-24	1-1/2"	38.1	1-1/2"	11		47.3	185	2683
13300-32-32	2"	50.8	2"	11		57	165	2393



BSPP FEMALE - 60 DEG CONE - 15010

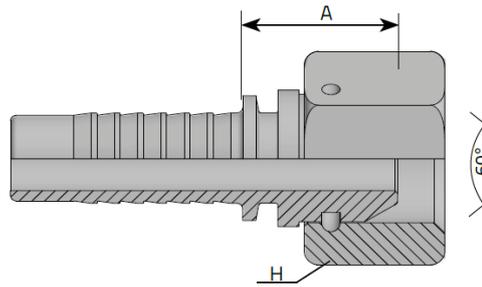
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
15010-03-02	3/16"	4.8	1/8"	28	15	18	350	5076
15010-03-04	3/16"	4.8	1/4"	19	19	18	415	6019
15010-04-02	1/4"	6.4	1/8"	28	15	18	350	5076
15010-04-04	1/4"	6.4	1/4"	19	19	18	450	6526
15010-04-06	1/4"	6.4	3/8"	19	22	19	450	6526
15010-04-08	1/4"	6.4	1/2"	14	27	21	450	6526
15010-05-04	5/16"	7.9	1/4"	19	19	18	350	5076
15010-05-06	5/16"	7.9	3/8"	19	22	19	350	5076
15010-05-08	5/16"	7.9	1/2"	14	27	21	350	5076
15010-06-04	3/8"	9.5	1/4"	19	19	19	450	6526
15010-06-06	3/8"	9.5	3/8"	19	22	20	450	6526
15010-06-08	3/8"	9.5	1/2"	14	27	21	450	6526
15010-08-06	1/2"	12.8	3/8"	19	19	20	415	6019
15010-08-08	1/2"	12.8	1/2"	14	27	22	415	6019
15010-08-10	1/2"	12.8	5/8"	14	28	22	415	6019
15010-08-12	1/2"	12.8	3/4"	14	32	24	415	6019
15010-10-08	5/8"	16	1/2"	14	27	22	350	5076
15010-10-10	5/8"	16	5/8"	14	28	23	350	5076
15010-10-12	5/8"	16	3/4"	14	32	24	350	5076
15010-12-08	3/4"	19	1/2"	14	27	22.5	350	5076
15010-12-10	3/4"	19	5/8"	14	28	24	350	5076
15010-12-12	3/4"	19	3/4"	14	32	25	350	5076
15010-12-16	3/4"	19	1"	11	38	26	350	5076
15010-16-12	1"	25.4	3/4"	14	32	26	280	4061
15010-16-16	1"	25.4	1"	11	38	27	280	4061



BSPP FEMALE - (THRUST WIRE NUT) - 15010

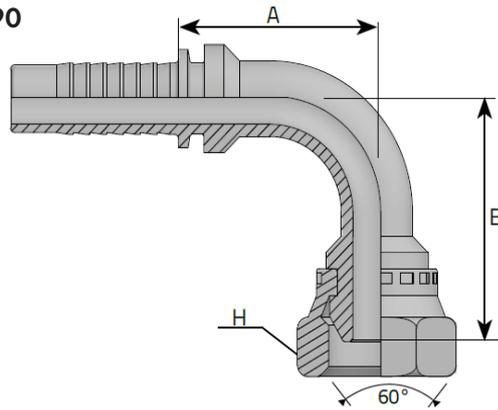


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
15010-16-20	1"	25.4	1-1/4"	11	50	30	280	4061
15010-20-20	1-1/4"	31.8	1-1/4"	11	50	30	210	3046
15010-20-24	1-1/4"	31.8	1-1/2"	11	55	32	210	3046
15010-24-24	1-1/2"	38.1	1-1/2"	11	55	32	185	2683
15010-24-32	1-1/2"	38.1	2"	11	70	32.5	185	2683
15010-32-32	2"	50.8	2"	11	70	33.5	165	2393



BSPP FEMALE – 60 DEG CONE – 90 DEG ELBOW - 15090

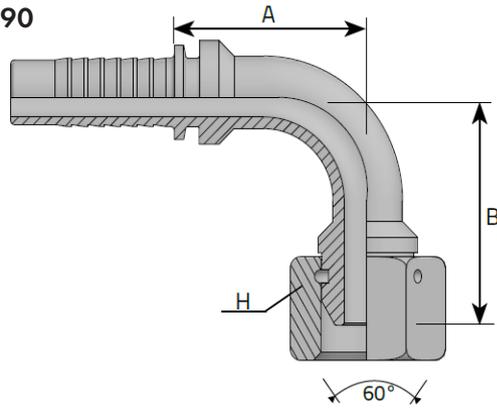
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15090-03-02	3/16"	4.8	1/8"	28	15	29	23	350	5076
15090-03-04	3/16"	4.8	1/4"	19	19	29	23	415	6019
15090-04-02	1/4"	6.4	1/8"	28	15	29	23	350	5076
15090-04-04	1/4"	6.4	1/4"	19	19	29	23	450	6526
15090-04-06	1/4"	6.4	3/8"	19	22	32	23	450	6526
15090-04-08	1/4"	6.4	1/2"	14	27	30	31.5	450	6526
15090-05-04	5/16"	7.9	1/4"	19	19	33.5	31.5	350	5076
15090-05-06	5/16"	7.9	3/8"	19	22	35.5	31.5	350	5076
15090-05-08	5/16"	7.9	1/2"	14	27	39	31.5	350	5076
15090-06-04	3/8"	9.5	1/4"	19	19	37	33	450	6526
15090-06-06	3/8"	9.5	3/8"	19	22	38	33	450	6526
15090-06-08	3/8"	9.5	1/2"	14	27	42	33	450	6526
15090-08-06	1/2"	12.8	3/8"	19	22	43	39	415	6019
15090-08-08	1/2"	12.8	1/2"	14	27	45	39	415	6019
15090-08-10	1/2"	12.8	5/8"	14	28	45	39	415	6019
15090-08-12	1/2"	12.8	3/4"	14	32	51	39	415	6019
15090-10-08	5/8"	16	1/2"	14	27	54	49	350	5076
15090-10-10	5/8"	16	5/8"	14	28	54	49	350	5076
15090-10-12	5/8"	16	3/4"	14	32	56	49	350	5076
15090-12-08	3/4"	19	1/2"	14	27	56	53.5	350	5076
15090-12-10	3/4"	19	5/8"	14	28	56	53.5	350	5076
15090-12-12	3/4"	19	3/4"	14	32	59	53.5	350	5076
15090-12-16	3/4"	19	1"	11	38	65	53.5	350	5076
15090-16-12	1"	25.4	3/4"	14	32	72	68.5	280	4061
15090-16-16	1"	25.4	1"	11	38	72	73	280	4061



BSPP FEMALE 90 DEG ELBOW (THRUST WIRE NUT) - 15090

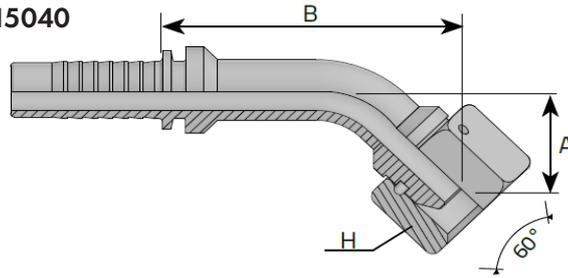


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15090-16-20	1"	25.4	1-1/4"	11	50	80	73	280	4061
15090-20-20	1-1/4"	31.8	1-1/4"	11	50	93	89	210	3046
15090-20-24	1-1/4"	31.8	1-1/2"	11	55	98.5	89	210	3046
15090-24-24	1-1/2"	38.1	1-1/2"	11	55	114	101	185	2683
15090-24-32	1-1/2"	38.1	2"	11	70	118	101	185	2683
15090-32-32	2"	50.8	2"	11	70	136	135	165	2393



BSPP FEMALE - 60 DEG CONE - 45 DEG ELBOW - 15040

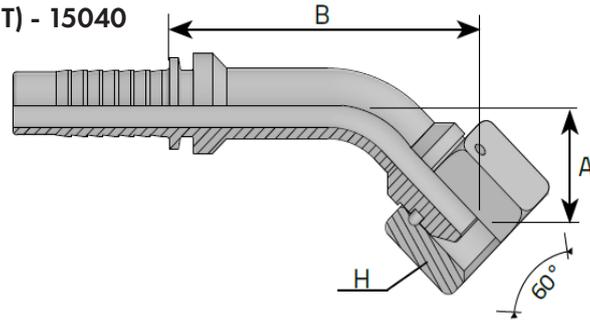
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15040-03-02	3/16"	4.8	1/8"	28	15	17	40	350	5076
15040-03-04	3/16"	4.8	1/4"	19	19	17	40	415	6019
15040-04-02	1/4"	6.4	1/8"	28	15	17	40	350	5076
15040-04-04	1/4"	6.4	1/4"	19	19	17	40	450	6526
15040-04-06	1/4"	6.4	3/8"	19	22	20	43	450	6526
15040-04-08	1/4"	6.4	1/2"	14	27	24	55	450	6526
15040-05-04	5/16"	7.9	1/4"	19	19	20	51	350	5076
15040-05-06	5/16"	7.9	3/8"	19	22	21	52	350	5076
15040-05-08	5/16"	7.9	1/2"	14	27	24	55	350	5076
15040-06-04	3/8"	9.5	1/4"	19	19	19	54	450	6526
15040-06-06	3/8"	9.5	3/8"	19	22	20	55	450	6526
15040-06-08	3/8"	9.5	1/2"	14	27	23	58	450	6526
15040-08-06	1/2"	12.8	3/8"	19	22	20	63	415	6019
15040-08-08	1/2"	12.8	1/2"	14	27	23	65	415	6019
15040-08-10	1/2"	12.8	5/8"	14	28	23	65	415	6019
15040-08-12	1/2"	12.8	3/4"	14	32	21	66	415	6019
15040-10-08	5/8"	16	1/2"	14	27	25	63	350	5076
15040-10-10	5/8"	16	5/8"	14	28	25	64	350	5076
15040-10-12	5/8"	16	3/4"	14	32	26	64	350	5076
15040-12-08	3/4"	19	1/2"	14	27	28	62	350	5076
15040-12-10	3/4"	19	5/8"	14	28	29	63	350	5076
15040-12-12	3/4"	19	3/4"	14	32	29	63	350	5076
15040-12-16	3/4"	19	1"	11	38	31	65	350	5076
15040-16-12	1"	25.4	3/4"	14	32	39	88	280	4061
15040-16-16	1"	25.4	1"	11	38	41	90	280	4061



BSPP FEMALE 45 DEG ELBOW (THRUST WIRE NUT) - 15040

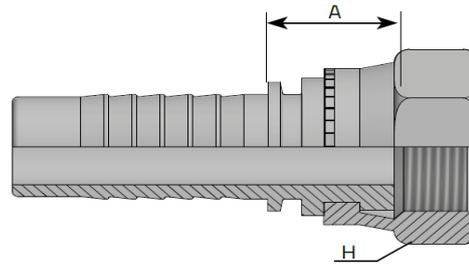


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15040-16-20	1"	25.4	1-1/4"	11	50	44	93	280	4061
15040-20-20	1-1/4"	31.8	1-1/4"	11	50	44	102	210	3046
15040-20-24	1-1/4"	31.8	1-1/2"	11	55	45	103	210	3046
15040-24-24	1-1/2"	38.1	1-1/2"	11	55	45	118	185	2683
15040-24-32	1-1/2"	38.1	2"	11	70	118	101	185	2683
15040-32-32	2"	50.8	2"	11	70	55	145	165	2393



BSPP FEMALE (FLAT SEAT) - 15010F

AVAILABLE TO ORDER

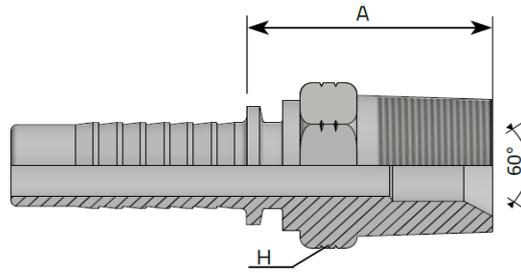


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter		T	t/1"	H	A	Bar	psi
	Inch	mm	Inch		mm	mm		
15010F-04-04	1/4"	6.4	1/4"	19	19	14	450	6526
15010F-04-06	1/4"	6.4	3/8"	19	22	15	450	6526
15010F-05-06	5/16"	7.9	3/8"	19	22	15	350	5076
15010F-06-06	3/8"	9.5	3/8"	19	22	16	450	6526
15010F-06-08	3/8"	9.5	1/2"	14	27	17	450	6526
15010F-08-08	1/2"	12.8	1/2"	14	27	17	415	6019
15010F-08-10	1/2"	12.8	5/8"	14	28	17	415	6019
15010F-08-12	1/2"	12.8	3/4"	14	32	19	415	6019
15010F-10-10	5/8"	16	5/8"	14	28	17	350	5076
15010F-10-12	5/8"	16	3/4"	14	32	20	350	5076
15010F-12-12	3/4"	19	3/4"	14	32	21	350	5076
15010F-12-16	3/4"	19	1"	11	38	22	350	5076
15010F-16-16	1"	25.4	1"	11	38	23	280	4061



NPTF MALE - 13200

AVAILABLE TO ORDER

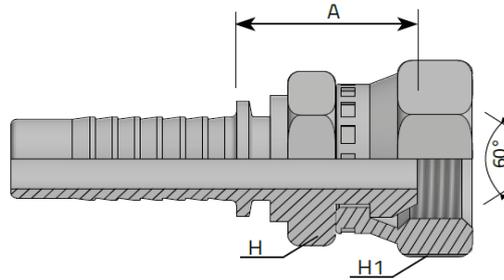


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
13200-03-02	3/16"	4.8	1/8"	27	12	22	350	5076
13200-03-04	3/16"	4.8	1/4"	18	15	22	415	6019
13200-04-02	1/4"	6.4	1/8"	27	12	22.5	350	5076
13200-04-04	1/4"	6.4	1/4"	18	15	27	450	6526
13200-04-06	1/4"	6.4	3/8"	18	19	28	450	6526
13200-04-08	1/4"	6.4	1/2"	14	22	34	350	5076
13200-05-04	5/16"	7.9	1/4"	18	15	27	350	5076
13200-05-06	5/16"	7.9	3/8"	18	19	28	350	5076
13200-05-08	5/16"	7.9	1/2"	14	22	28	415	6019
13200-06-04	3/8"	9.5	1/4"	18	15	28	350	5076
13200-06-06	3/8"	9.5	3/8"	18	19	28	450	6526
13200-06-08	3/8"	9.5	1/2"	14	22	34	415	6019
13200-08-06	1/2"	12.8	3/8"	18	19	28	415	6019
13200-08-08	1/2"	12.8	1/2"	14	22	34.5	415	6019
13200-08-12	1/2"	12.8	3/4"	14	27	34.5	415	6019
13200-10-08	5/8"	16	1/2"	14	24	34.5	350	5076
13200-10-12	5/8"	16	3/4"	14	27	36.5	350	5076
13200-12-12	3/4"	19	3/4"	14	27	37	350	5076
13200-12-16	3/4"	19	1"	11.5	36	45	280	4061
13200-16-12	1"	25.4	3/4"	14	32	38	280	4061
13200-16-16	1"	25.4	1"	11.5	36	46	280	4061
13200-16-20	1"	25.4	1-1/4"	11.5	46	45.5	210	3046
13200-20-20	1-1/4"	31.8	1-1/4"	11.5	46	46	210	3046
13200-20-24	1-1/4"	31.8	1-1/2"	11.5	50	47	185	2683
13200-24-24	1-1/2"	38.1	1-1/2"	11.5	50	47.3	185	2683
13200-32-32	2"	50.8	2"	11.5	65	57	165	2393



NPSM FEMALE - 15320

AVAILABLE TO ORDER

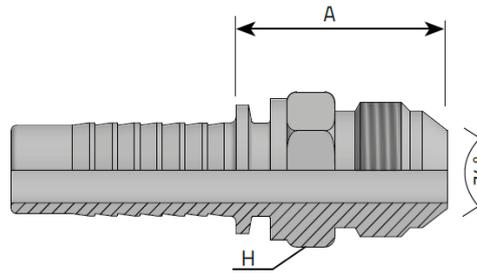


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	H1 mm	A mm	Bar	psi
15320-04-04	1/4"	6.4	1/4"	18	19	19	24	345	5000
15320-06-06	3/8"	9.5	3/8"	18	22	22	26.5	276	4000
15320-08-08	1/2"	12.8	1/2"	14	22	27	29	241	3500
15320-12-12	3/4"	19	3/4"	14	27	32	37	155	2250
15320-16-16	1"	25.4	1"	11.5	32	38	40.5	138	2000
15320-20-20	1-1/4"	31.8	1-1/4"	11.5	41	50	43	112	1625



JIC 37 DEG - 13100

AVAILABLE TO ORDER

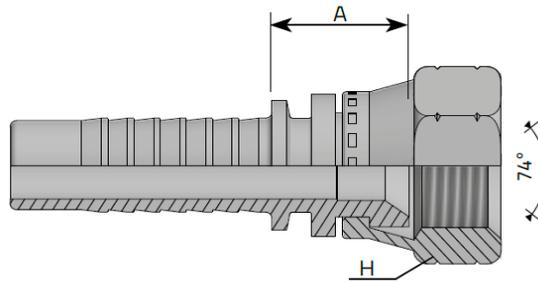


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
13100-03-04	3/16"	4.8	7/16"	20	12	27	415	6019
13100-03-05	3/16"	4.8	1/2"	20	14	27	415	6019
13100-04-04	1/4"	6.4	7/16"	20	12	27	450	6526
13100-04-05	1/4"	6.4	1/2"	20	14	27	450	6526
13100-04-06	1/4"	6.4	9/16"	18	15	28	450	6526
13100-05-05	5/16"	7.9	1/2"	20	14	27	350	5076
13100-05-06	5/16"	7.9	9/16"	18	15	28	350	5076
13100-05-07	5/16"	7.9	5/8"	18	17	29.5	^	^
13100-05-08	5/16"	7.9	3/4"	16	19	29.5	350	5076
13100-06-06	3/8"	9.5	9/16"	18	15	28	450	6526
13100-06-07	3/8"	9.5	5/8"	18	17	29.5	^	^
13100-06-08	3/8"	9.5	3/4"	16	19	30.5	415	6019
13100-06-10	3/8"	9.5	7/8"	14	24	34.5	350	5076
13100-08-08	1/2"	12.8	3/4"	16	19	31	415	6019
13100-08-10	1/2"	12.8	7/8"	14	24	35	350	5076
13100-08-12	1/2"	12.8	1-1/16"	12	27	39.5	350	5076
13100-10-10	5/8"	16	7/8"	14	24	35	350	5076
13100-10-12	5/8"	10	1-1/16"	12	27	39.5	350	5076
13100-12-10	3/4"	12	7/8"	14	27	37	350	5076
13100-12-12	3/4"	12	1-1/16"	12	27	40.5	350	5076
13100-12-14	3/4"	12	1-3/16"	12	32	41.5	280	4061
13100-12-16	3/4"	12	1-5/16"	12	34	41.5	280	4061
13100-16-12	1"	16	1-1/16"	12	32	41.5	280	4061
13100-16-16	1"	16	1-5/16"	12	34	42.5	280	4061
13100-16-20	1"	16	1-5/8"	12	42	45	280	4061
13100-20-20	1-1/4"	20	1-5/8"	12	42	45.5	210	3046
13100-20-24	1-1/4"	20	1-7/8"	12	50	52.5	140	2030
13100-24-24	1-1/2"	24	1-7/8"	12	50	52.5	140	2030
13100-32-32	2"	32	2-1/2"	12	65	62	105	1523



JIC 37 DEG FEMALE - 15110

AVAILABLE TO ORDER

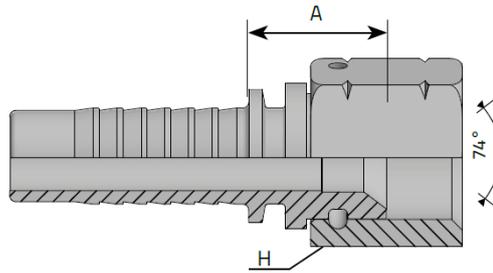


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
15110-03-04	3/16"	4.8	7/16"	20	15	15	350	5076
15110-03-05	3/16"	4.8	1/2"	20	17	15	350	5076
15110-04-04	1/4"	6.4	7/16"	20	15	15	350	5076
15110-04-05	1/4"	6.4	1/2"	20	17	16	350	5076
15110-04-06	1/4"	6.4	9/16"	18	19	16	250	3626
15110-05-05	5/16"	7.9	1/2"	20	17	16	350	5076
15110-05-06	5/16"	7.9	9/16"	18	19	16	250	3626
15110-05-07	5/16"	7.9	5/8"	18	22	17	^	^
15110-05-08	5/16"	7.9	3/4"	16	24	17	250	3626
15110-06-06	3/8"	9.5	9/16"	18	19	16.5	250	3626
15110-06-07	3/8"	9.5	5/8"	18	22	17	^	^
15110-06-08	3/8"	9.5	3/4"	16	24	17	250	3626
15110-06-10	3/8"	9.5	7/8"	14	27	18.5	200	2901
15110-08-08	1/2"	12.8	3/4"	16	24	18	250	3626
15110-08-10	1/2"	12.8	7/8"	14	27	19	200	2901
15110-08-12	1/2"	12.8	1-1/16"	12	32	22	200	2901
15110-10-10	5/8"	16	7/8"	14	27	19.5	200	2901
15110-10-12	5/8"	16	1-1/16"	12	32	22.5	200	2901
15110-12-10	3/4"	19	7/8"	14	27	20	200	2901
15110-12-12	3/4"	19	1-1/16"	12	32	23	200	2901
15110-12-14	3/4"	19	1-3/16"	12	36	23	160	2320
15110-12-16	3/4"	19	1-5/16"	12	41	23	160	2320
15110-16-12	1"	25.4	1-1/16"	12	32	24	200	2901
15110-16-16	1"	25.4	1-5/16"	12	41	24.5	160	2320



JIC 37 DEG - (THRUST WIRE NUT) - 15110

AVAILABLE TO ORDER

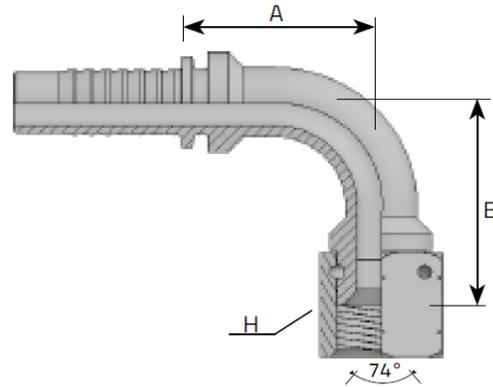


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
15110-16-20	1"	25.4	1-5/8"	12	50	28.5	125	1813
15110-20-20	1-1/4"	31.8	1-5/8"	12	50	29	125	1813
15110-20-24	1-1/4"	31.8	1-7/8"	12	55	31	100	1450
15110-24-24	1-1/2"	38.1	1-7/8"	12	55	31	100	1450
15110-24-32	1-1/2"	38.1	2-1/2"	12	70	31.5	80	1160
15110-32-32	2"	50.8	2-1/2"	12	70	33	80	1160



JIC 37 DEG FEMALE - 90 DEG ELBOW - 15190

AVAILABLE TO ORDER

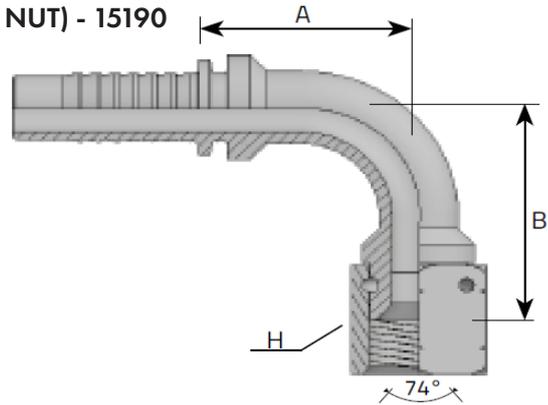


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15190-03-04	3/16"	4.8	7/16"	20	15	26	23	350	5076
15190-03-05	3/16"	4.8	1/2"	20	17	27	23	350	5076
15190-04-04	1/4"	6.4	7/16"	20	15	26	23	350	5076
15190-04-05	1/4"	6.4	1/2"	20	17	27	23	350	5076
15190-04-06	1/4"	6.4	9/16"	18	19	27	23	250	3626
15190-05-05	5/16"	7.9	1/2"	20	17	32	31.5	350	5076
15190-05-06	5/16"	7.9	9/16"	18	19	32	31.5	250	3626
15190-05-07	5/16"	7.9	5/8"	18	22	32.5	31.5	^	^
15190-05-08	5/16"	7.9	3/4"	16	24	32.5	31.5	250	3626
15190-06-06	3/8"	9.5	9/16"	18	19	35	33	250	3626
15190-06-07	3/8"	9.5	5/8"	18	22	35.5	33	^	^
15190-06-08	3/8"	9.5	3/4"	16	24	36.5	33	250	3626
15190-06-10	3/8"	9.5	7/8"	14	27	39.5	33	200	2901
15190-08-08	1/2"	12.8	3/4"	16	24	41	39	250	3626
15190-08-10	1/2"	12.8	7/8"	14	27	42.5	39	200	2901
15190-08-12	1/2"	12.8	1-1/16"	12	32	50	39	200	2901
15190-10-10	5/8"	16	7/8"	14	27	50	49	200	2901
15190-10-12	5/8"	16	1-1/16"	12	32	55	49	200	2901
15190-12-10	3/4"	19	7/8"	14	27	58	53.5	200	2901
15190-12-12	3/4"	19	1-1/16"	12	32	58	53.5	200	2901
15190-12-14	3/4"	19	1-3/16"	12	36	61	53.5	160	2320
15190-12-16	3/4"	19	1-5/16"	12	41	62.5	53.5	160	2320
15190-16-12	1"	25.4	1-1/16"	12	32	80	69	200	2901
15190-16-16	1"	25.4	1-5/16"	12	41	69.5	73	160	2320



JIC 37 DEG FEMALE - 90 DEG ELBOW (THRUST WIRE NUT) - 15190

AVAILABLE TO ORDER

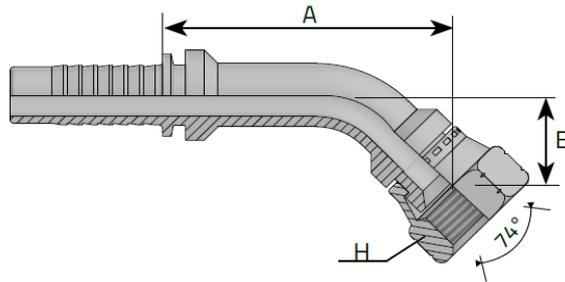


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15190-16-20	1"	25.4	1-5/8"	12	50	78.5	73	125	1813
15190-20-20	1-1/4"	31.8	1-5/8"	12	50	91.5	89	125	1813
15190-20-24	1-1/4"	31.8	1-7/8"	12	55	99	89	100	1450
15190-24-24	1-1/2"	38.1	1-7/8"	12	55	112.5	101	100	1450
15190-24-32	1-1/2"	38.1	2-1/2"	12	70	115.5	101	80	1160
15190-32-32	2"	50.8	2-1/2"	12	70	136	135	80	1160



JIC 37 DEG FEMALE - 45 DEG ELBOW - 15140

AVAILABLE TO ORDER

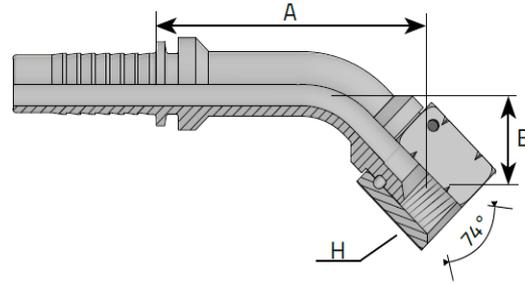


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15140-03-04	3/16"	4.8	7/16"	20	15	15	38	350	5076
15140-03-05	3/16"	4.8	1/2"	20	17	17	40	350	5076
15140-04-04	1/4"	6.4	7/16"	20	15	15	38	350	5076
15140-04-05	1/4"	6.4	1/2"	20	17	17	40	350	5076
15140-04-06	1/4"	6.4	9/16"	18	19	16.5	39.5	250	3626
15140-05-05	5/16"	7.9	1/2"	20	17	17	40	350	5076
15140-05-06	5/16"	7.9	9/16"	18	19	18.5	49.5	250	3626
15140-05-07	5/16"	7.9	5/8"	18	22	19	50	^	^
15140-05-08	5/16"	7.9	3/4"	16	24	19.5	50.5	250	3626
15140-06-06	3/8"	9.5	9/16"	18	19	18	53	250	3626
15140-06-07	3/8"	9.5	5/8"	18	22	19	54	^	^
15140-06-08	3/8"	9.5	3/4"	16	24	19	54	250	3626
15140-06-10	3/8"	9.5	7/8"	14	27	21	56	200	2901
15140-08-08	1/2"	12.8	3/4"	16	24	20	62	200	2901
15140-08-10	1/2"	12.8	7/8"	14	27	21	63	200	2901
15140-08-12	1/2"	12.8	1-1/16"	12	32	22	64	200	2901
15140-10-10	5/8"	16	7/8"	14	27	22	60	200	2901
15140-10-12	5/8"	16	1-1/16"	12	32	25	63	200	2901
15140-12-10	3/4"	19	7/8"	14	27	29	62	200	2901
15140-12-12	3/4"	19	1-1/16"	12	32	29	62	200	2901
15140-12-14	3/4"	19	1-3/16"	12	36	29	63	160	2320
15140-12-16	3/4"	19	1-5/16"	12	41	29	63	160	2320
15140-16-12	1"	25.4	1-1/16"	12	32	39.5	100	200	2901
15140-16-16	1"	25.4	1-5/16"	12	41	39.5	88.5	160	2320



JIC 37 DEG FEMALE - 45 DEG ELBOW (THRUST WIRE NUT) - 15140

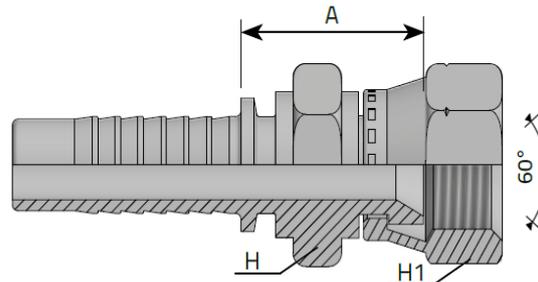
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15140-16-20	1"	25.4	1-5/8"	12	50	38.5	89.5	125	1813
15140-20-20	1-1/4"	31.8	1-5/8"	12	50	44	101	125	1813
15140-20-24	1-1/4"	31.8	1-7/8"	12	55	45	103	100	1450
15140-24-24	1-1/2"	38.1	1-7/8"	12	55	45	118	100	1450
15140-24-32	1-1/2"	38.1	2-1/2"	12	70	45.5	121	80	1160
15140-32-32	2"	50.8	2-1/2"	12	70	65.5	158	80	1160

KOMATSU STYLE METRIC FEMALE - 12410

AVAILABLE TO ORDER

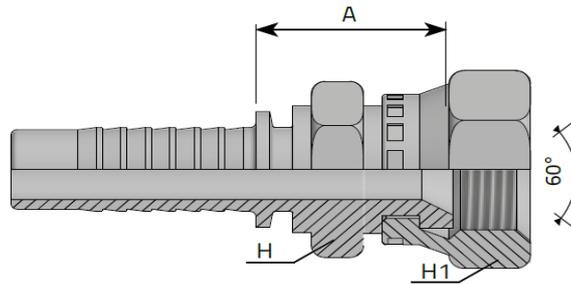


Code	Tube		Thread	Dimensions			Pressure	
	Hose Diameter Inch	mm	T mm	H mm	H1 mm	A mm	Bar	psi
12410-04-14	1/4"	6.4	M14 x 1.5	17	19	24.2	350	5076
12410-04-16	1/4"	6.4	M16 x 1.5	19	22	24.2	280	4061
12410-05-16	5/16"	7.9	M16 x 1.5	19	22	24.2	280	4061
12410-06-14	3/8"	9.5	M14 x 1.5	17	19	24.2	280	4061
12410-06-16	3/8"	9.5	M16 x 1.5	19	22	24.2	280	4061
12410-06-18	3/8"	9.5	M18 x 1.5	24	24	25.8	280	4061
12410-08-18	1/2"	12.8	M18 x 1.5	24	24	26.3	280	4061
12410-08-20	1/2"	12.8	M20 x 1.5	27	27	29	200	2901
12410-08-22	1/2"	12.8	M22 x 1.5	27	27	29	200	2901
12410-08-24	1/2"	12.8	M24 x 1.5	32	32	32	200	2901
12410-10-22	5/8"	16	M22 x 1.5	27	27	29	200	2901
12410-10-24	5/8"	16	M24 x 1.5	32	32	32.5	200	2901
12410-12-30	3/4"	19	M30 x 1.5	36	36	32.5	160	2320
12410-16-33	1"	25.4	M33 x 1.5	41	41	34.6	160	2320



TOYOTA STYLE FEMALE - 15410

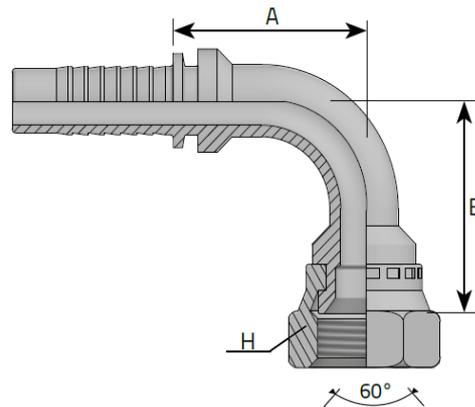
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	H1 mm	A mm	Bar	psi
15410-04-04	1/4"	6.4	1/4"	19	17	19	51	250	5076
15410-06-06	3/8"	9.5	3/8"	19	19	22	54	280	4061
15410-08-08	1/2"	12.8	1/2"	14	22	27	60.5	200	2901
15410-12-12	3/4"	19	3/4"	14	27	32	70.5	200	2901
15410-16-16	1"	25.4	1"	11	32	38	88	160	2320
15410-20-20	1-1/4"	31.8	1-1/4"	11	41	50	97.5	125	1813
15410-24-24	1-1/2"	38.1	1-1/2"	11	50	55	110.5	100	1450

TOYOTA STYLE FEMALE - 90 DEG ELBOW - 15490

AVAILABLE TO ORDER

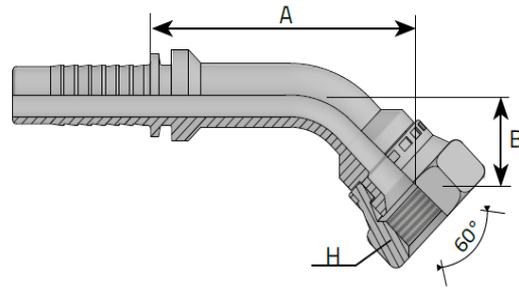


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15490-04-04	1/4"	6.4	1/4"	19	19	26	23	350	5076
15490-06-06	3/8"	9.5	3/8"	19	22	34.5	33	280	4061
15490-08-08	1/2"	12.8	1/2"	14	27	41	39	200	2901
15490-12-12	3/4"	19	3/4"	14	32	54.5	53.5	200	2901
15490-16-16	1"	25.4	1"	11	38	68	73	160	2320
15490-20-20	1-1/4"	31.8	1-1/4"	11	50	88.5	89	125	1813
15490-24-24	1-1/2"	38.1	1-1/2"	11	55	109.5	101	100	1450



TOYOTA STYLE FEMALE 45 DEG ELBOW - 15440

AVAILABLE TO ORDER

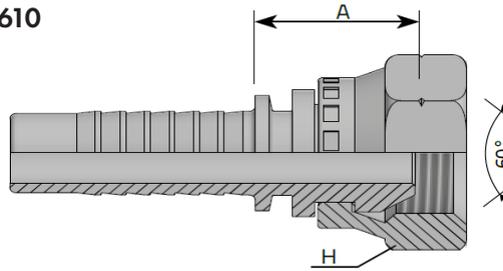


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15440-04-04	1/4"	6.4	1/4"	19	19	14	40	350	5076
15440-06-06	3/8"	9.5	3/8"	19	22	16.5	55	280	4061
15440-08-08	1/2"	12.8	1/2"	14	27	19	65	200	2901
15440-12-12	3/4"	19	3/4"	14	32	24.5	63	200	2901
15440-16-16	1"	25.4	1"	11	38	37	90	160	2320
15440-20-20	1-1/4"	31.8	1-1/4"	11	50	39.5	102	125	1813
15440-24-24	1-1/2"	38.1	1-1/2"	11	55	40.5	118	100	1450



METRIC FEMALE - 60 DEG CONE - 12610

AVAILABLE TO ORDER

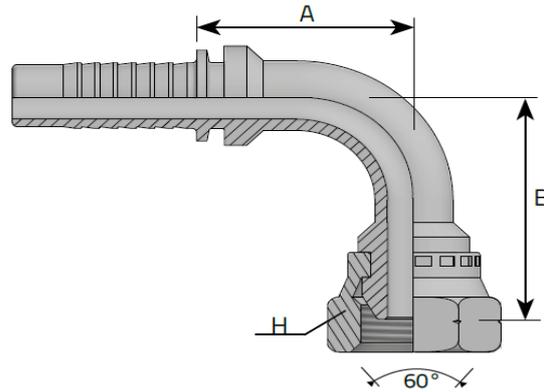


Code	Tube		Thread T mm	Dimensions		Pressure	
	Hose Diameter Inch	mm		H mm	A mm	Bar	psi
12610-03-10	3/16"	4.8	M10 x 1	15	18	350	5076
12610-03-12	3/16"	4.8	M12 x 1.5	17	18	350	5076
12610-04-10	1/4"	6.4	M10 x 1	15	18	350	5076
12610-04-12	1/4"	6.4	M12 x 1.5	17	18	350	5076
12610-04-14	1/4"	6.4	M14 x 1.5	19	18	350	5076
12610-04-16	1/4"	6.4	M16 x 1.5	22	19	350	5076
12610-04-18	1/4"	6.4	M18 x 1.5	22	19	350	5076
12610-05-14	5/16"	7.9	M14 x 1.5	19	18	350	5076
12610-05-16	5/16"	7.9	M16 x 1.5	22	19	350	5076
12610-05-18	5/16"	7.9	M18 x 1.5	22	19	350	5076
12610-06-14	3/8"	9.5	M14 x 1.5	19	19	350	5076
12610-06-16	3/8"	9.5	M16 x 1.5	22	20	350	5076
12610-06-18	3/8"	9.5	M18 x 1.5	22	20	350	5076
12610-06-20	3/8"	9.5	M20 x 1.5	27	21	315	4568
12610-06-22	3/8"	9.5	M22 x 1.5	27	21	315	4568
12610-08-18	1/2"	12.8	M18 x 1.5	24	20	315	4568
12610-08-20	1/2"	12.8	M20 x 1.5	27	22	315	4568
12610-08-22	1/2"	12.8	M22 x 1.5	27	22	315	4568
12610-08-24	1/2"	12.8	M24 x 1.5	30	23	250	3626
12610-08-26	1/2"	12.8	M26 x 1.5	32	24	250	3626
12610-10-26	5/8"	16	M26 x 1.5	32	24	250	3626
12610-10-27	5/8"	16	M27 x 1.5	32	24	250	3626
12410-12-26	3/4"	19	M26 x 1.5	32	25	315	4568
12410-12-27	3/4"	19	M27 x 1.5	32	25	250	3626
12610-12-30	3/4"	19	M30 x 1.5	36	26	200	2901
12610-16-38	1"	25.4	M38 x 1.5	46	37	125	1813
12610-24-48	1-1/4"	31.8	M45 x 1.5	50	32	125	1813



METRIC FEMALE - 90 DEG ELBOW - 12690

AVAILABLE TO ORDER

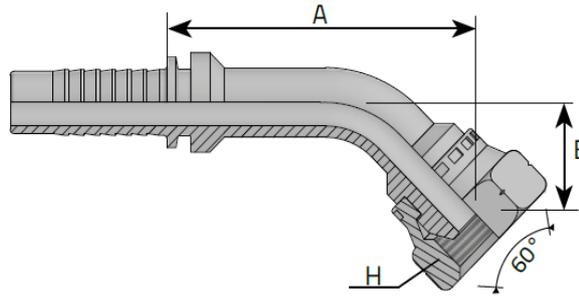


Code	Tube		Thread T	Dimensions			Pressure	
	Hose Diameter			H	B	A	Bar	psi
	Inch	mm	mm	mm	mm	mm		
12690-03-10	3/16"	4.8	M10 x 1	15	29	23	350	5076
12690-03-12	3/16"	4.8	M12 x 1.5	17	29	23	350	5076
12690-04-10	1/4"	6.4	M10 x 1	15	29	23	350	5076
12690-04-12	1/4"	6.4	M12 x 1.5	17	29	23	350	5076
12690-04-14	1/4"	6.4	M14 x 1.5	19	29	23	350	5076
12690-04-16	1/4"	6.4	M16 x 1.5	22	32	23	350	5076
12690-04-18	1/4"	6.4	M18 x 1.5	22	32	23	350	5076
12690-05-14	5/16"	7.9	M14 x 1.5	19	33.5	31.5	350	5076
12690-05-16	5/16"	7.9	M16 x 1.5	22	35.5	31.5	350	5076
12690-05-18	5/16"	7.9	M18 x 1.5	22	35.5	31.5	350	5076
12690-06-14	3/8"	9.5	M14 x 1.5	19	37	33	350	5076
12690-06-16	3/8"	9.5	M16 x 1.5	22	38	33	350	5076
12690-06-18	3/8"	9.5	M18 x 1.5	22	38	33	350	5076
12690-06-20	3/8"	9.5	M20 x 1.5	27	42	33	315	4568
12690-06-22	3/8"	9.5	M22 x 1.5	27	42	33	315	4568
12690-08-18	1/2"	12.8	M18 x 1.5	24	43	39	315	4568
12690-08-20	1/2"	12.8	M20 x 1.5	27	45	39	315	4568
12690-08-22	1/2"	12.8	M22 x 1.5	27	45	39	315	4568
12690-08-24	1/2"	12.8	M24 x 1.5	30	47	39	250	3626
12690-08-26	1/2"	12.8	M26 x 1.5	32	51	39	250	3626
12690-10-26	5/8"	16	M26 x 1.5	32	56	49	250	3626
12690-10-27	5/8"	16	M27 x 1.5	32	56	49	250	3626
12690-12-26	3/4"	19	M26 x 1.5	32	59	53.5	250	3626
12690-12-27	3/4"	19	M27 x 1.5	32	59	53.5	250	3626
12690-12-30	3/4"	19	M30 x 1.5	36	63	53.5	^	^
12690-16-38	1"	25.4	M38 x 1.5	46	72	73	^	^
12690-20-45	1-1/4"	31.8	M45 x 1.5	50	89	93	^	^
12690-24-52	1-1/2"	38.1	M52 x 1.5	55	110	99	^	^



METRIC FEMALE - 45 DEG - 12640

AVAILABLE TO ORDER

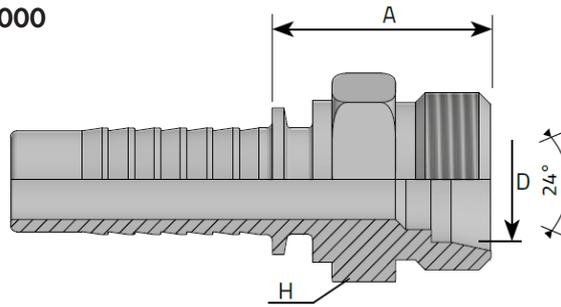


Code	Tube		Thread	Dimensions			Pressure	
	Hose Diameter			H	B	A	Bar	psi
	Inch	mm	T mm	mm	mm	mm		
12640-03-10	3/16"	4.8	M10 x 1	15	17	40	350	5076
12640-03-12	3/16"	4.8	M12 x 1.5	17	17	40	350	5076
12640-04-10	1/4"	6.4	M10 x 1	15	17	40	350	5076
12640-04-12	1/4"	6.4	M12 x 1.5	17	17	40	350	5076
12640-04-14	1/4"	6.4	M14 x 1.5	19	17	40	350	5076
12640-04-16	1/4"	6.4	M16 x 1.5	22	20	43	350	5076
12640-04-18	1/4"	6.4	M18 x 1.5	22	20	43	350	5076
12640-05-14	5/16"	7.9	M14 x 1.5	19	17	40	350	5076
12640-05-16	5/16"	7.9	M16 x 1.5	22	20	43	350	5076
12640-05-18	5/16"	7.9	M18 x 1.5	22	20	43	350	5076
12640-06-14	3/8"	9.5	M14 x 1.5	19	20	55	350	5076
12640-06-16	3/8"	9.5	M16 x 1.5	22	20	55	350	5076
12640-06-18	3/8"	9.5	M18 x 1.5	22	20	55	350	5076
12640-06-20	3/8"	9.5	M20 x 1.5	27	23	58	315	4568
12640-06-22	3/8"	9.5	M22 x 1.5	27	23	58	315	4568
12640-08-18	1/2"	12.8	M18 x 1.5	24	23	65	315	4568
12640-08-20	1/2"	12.8	M20 x 1.5	27	23	65	315	4568
12640-08-22	1/2"	12.8	M22 x 1.5	27	23	65	315	4568
12640-08-24	1/2"	12.8	M24 x 1.5	30	21	66	250	3626
12640-08-26	1/2"	12.8	M26 x 1.5	32	21	66	250	3626
12640-10-26	5/8"	16	M26 x 1.5	32	26	64	250	3626
12640-10-27	5/8"	16	M27 x 1.5	32	26	64	250	3626
12640-12-26	3/4"	19	M26 x 1.5	32	29	63	250	3626
12640-12-27	3/4"	19	M27 x 1.5	32	29	63	250	3626
12640-12-30	3/4"	19	M30 x 1.5	36	31	65	^	^
12640-16-38	1"	25.4	M38 x 1.5	46	41	90	^	^
12640-24-45	1-1/4"	31.8	M45 x 1.5	50	45	103	^	^
12640-24-52	1-1/2"	38.1	M52 x 1.5	55	53	119	^	^



METRIC MALE 24 DEG CONE - L TYPE - 11000

AVAILABLE TO ORDER

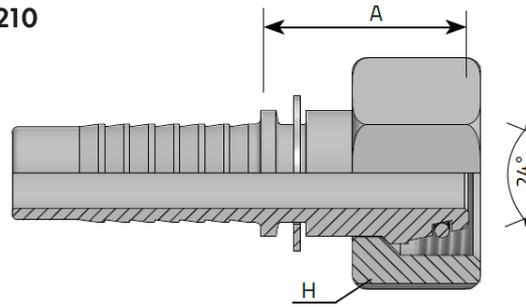


Code	Tube		Thread T mm	Dimensions			Pressure	
	Hose Diameter Inch	mm		D mm	H mm	A mm	Bar	psi
11000-03-12	3/16"	4.8	M12 x 1.5	6	14	22.5	250	3626
11000-03-14	3/16"	4.8	M14 x 1.5	8	15	23	250	3626
11000-04-12	1/4"	6.4	M12 x 1.5	6	14	23	250	3626
11000-04-14	1/4"	6.4	M14 x 1.5	8	15	23	250	3626
11000-04-16	1/4"	6.4	M16 x 1.5	10	17	25	250	3626
11000-04-18	1/4"	6.4	M18 x 1.5	12	19	26	250	3626
11000-05-14	5/16"	7.9	M14 x 1.5	8	15	23	250	3626
11000-05-16	5/16"	7.9	M16 x 1.5	10	17	25	250	3626
11000-05-18	5/16"	7.9	M18 x 1.5	12	19	26	250	3626
11000-06-16	3/8"	9.5	M16 x 1.5	10	17	25	250	3626
11000-06-18	3/8"	9.5	M18 x 1.5	12	19	25	250	3626
11000-06-22	3/8"	9.5	M22 x 1.5	15	24	27	250	3626
11000-08-18	1/2"	12.8	M18 x 1.5	12	22	26	250	3626
11000-08-22	1/2"	12.8	M22 x 1.5	15	24	27.5	250	3626
11000-08-26	1/2"	12.8	M26 x 1.5	18	27	27.5	160	2320
11000-10-26	5/8"	16	M26 x 1.5	18	27	27.5	160	2320
11000-10-30	5/8"	16	M30 x 2	22	32	31.5	160	2320
11000-12-26	3/4"	19	M26 x 1.5	18	27	29	160	2320
11000-12-30	3/4"	19	M30 x 2	22	32	32	160	2320
11000-16-36	1"	25.4	M36 x 2	28	38	40	100	1450
11000-20-45	1-1/4"	31.8	M45 x 2	35	46	41.5	100	1450
11000-24-52	1-1/2"	38.1	M52 x 2	42	55	40	100	1450



METRIC FEMALE 24 DEG CONE - L TYPE - 12210

AVAILABLE TO ORDER

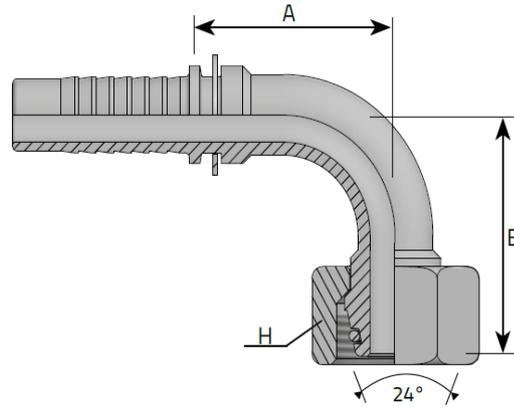


Code	Tube		Thread T mm	Dimensions			Pressure	
	Hose Diameter Inch	mm		D mm	H mm	A mm	Bar	psi
12210-03-12	3/16"	4.8	M12 x 1.5	6	14	25.5	250	3626
12210-03-14	3/16"	4.8	M14 x 1.5	8	17	25.5	250	3626
12210-04-12	1/4"	6.4	M12 x 1.5	6	17	21	250	3626
12210-04-14	1/4"	6.4	M14 x 1.5	8	17	23.5	250	3626
12210-04-16	1/4"	6.4	M16 x 1.5	10	19	26	250	3626
12210-04-18	1/4"	6.4	M18 x 1.5	12	22	26	250	3626
12210-05-14	5/16"	7.9	M14 x 1.5	8	19	21.5	250	3626
12210-05-16	5/16"	7.9	M16 x 1.5	10	19	26	250	3626
12210-05-18	5/16"	7.9	M18 x 1.5	12	22	26	250	3626
12210-06-16	3/8"	9.5	M16 x 1.5	10	19	23.5	250	3626
12210-06-18	3/8"	9.5	M18 x 1.5	12	22	26.5	250	3626
12210-06-22	3/8"	9.5	M22 x 1.5	15	27	27	250	3626
12210-08-18	1/2"	12.8	M18 x 1.5	12	22	25.5	250	3626
12210-08-22	1/2"	12.8	M22 x 1.5	15	27	27.5	250	3626
12210-08-26	1/2"	12.8	M26 x 1.5	18	32	28	160	2320
12210-10-26	5/8"	16	M26 x 1.5	18	32	30	160	2320
12210-10-26	5/8"	16	M30 x 2	22	36	31	160	2320
12210-12-26	3/4"	19	M26 x 1.5	18	32	29	160	2320
12210-12-30	3/4"	19	M30 x 2	22	36	31	160	2320
12210-16-26	1"	25.4	M36 x 2	28	41	33.5	100	1450
12210-20-45	1-1/4"	31.8	M45 x 2	35	50	38.5	100	1450
12210-24-52	1-1/2"	38.1	M52 x 2	42	60	39	100	1450



METRIC FEMALE 24 DEG CONE - 90 DEG ELBOW - L TYPE - 12290

AVAILABLE TO ORDER

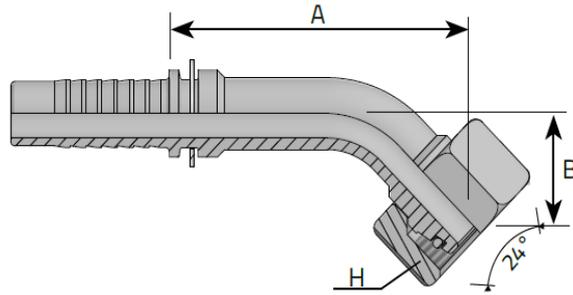


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter		T	D	H	B	A	Bar	psi
	Inch	mm	mm	mm	mm	mm	mm		
12290-03-12	3/16"	4.8	M12 x 1.5	6	14	31.5	29.5	250	3626
12290-03-14	3/16"	4.8	M14 x 1.5	8	17	31.5	29.5	250	3626
12290-04-12	1/4"	6.4	M12 x 1.5	6	17	31.5	29.5	250	3626
12290-04-14	1/4"	6.4	M14 x 1.5	8	17	31.5	29.5	250	3626
12290-04-16	1/4"	6.4	M16 x 1.5	10	19	32.5	29	250	3626
12290-04-18	1/4"	6.4	M18 x 1.5	12	22	30.5	27	250	3626
12290-05-14	5/16"	7.9	M14 x 1.5	8	19	36.7	31.5	250	3626
12290-05-16	5/16"	7.9	M16 x 1.5	10	19	32.5	31	250	3626
12290-05-18	5/16"	7.9	M18 x 1.5	12	22	37	29	250	3626
12290-06-16	3/8"	9.5	M16 x 1.5	10	19	38	33	250	3626
12290-06-18	3/8"	9.5	M18 x 1.5	12	22	37.5	35.5	250	3626
12290-06-22	3/8"	9.5	M22 x 1.5	15	27	42	34	250	3626
12290-08-18	1/2"	12.8	M18 x 1.5	12	22	49	39	250	3626
12290-08-22	1/2"	12.8	M22 x 1.5	15	27	44	39.5	250	3626
12290-08-26	1/2"	12.8	M26 x 1.5	18	32	46.5	39.5	160	2320
12290-10-26	5/8"	16	M26 x 1.5	18	32	50.5	48.5	160	2320
12290-10-30	5/8"	16	M30 x 2	22	36	53	48.5	160	2320
12290-12-26	3/4"	19	M26 x 1.5	18	32	63.5	53.5	160	2320
12290-12-30	3/4"	19	M30 x 2	22	36	55.5	56.5	160	2320
12290-16-36	1"	25.4	M36 x 3	28	41	72.5	73	100	1450
12290-20-45	1-1/4"	31.8	M45 x 2	35	50	86.5	92	100	1450
12290-24-52	1-1/2"	38.1	M52 x 2	42	60	94	99	100	1450



METRIC FEMALE 24 DEG CONE - 45 DEG ELBOW - L TYPE - 12240

AVAILABLE TO ORDER



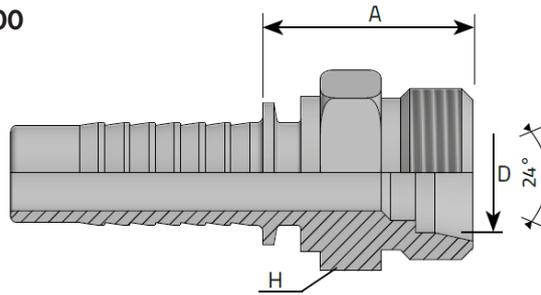
Code	Tube		Thread T	D	Dimensions			Pressure	
	Hose Diameter Inch	mm			H	B	A	Bar	psi
12240-03-12	3/16"	4.8	M12 x 1.5	6	14	15	37	250	3626
12240-03-14	3/16"	4.8	M14 x 1.5	8	17	15	37	250	3626
12240-04-12 *	1/4"	6.4	M12 x 1.5	6	17	17	40	250	3626
12240-04-14	1/4"	6.4	M14 x 1.5	8	17	17	50	250	3626
12240-04-16	1/4"	6.4	M16 x 1.5	10	19	17	48.5	250	3626
12240-04-18	1/4"	6.4	M18 x 1.5	12	22	17	48.5	250	3626
12240-05-14 *	5/16"	7.9	M14 x 1.5	8	19	23.2	51	250	3626
12240-05-16	5/16"	7.9	M16 x 1.5	10	19	17	52.5	250	3626
12240-05-18	5/16"	7.9	M18 x 1.5	12	22	20	50	250	3626
12240-06-16 *	3/8"	9.5	M16 x 1.5	10	19	20	55	250	3626
12240-06-18	3/8"	9.5	M18 x 1.5	12	22	17	57	250	3626
12240-06-22	3/8"	9.5	M22 x 1.5	15	27	19	59	250	3626
12240-08-18 *	1/2"	12.8	M18 x 1.5	12	22	27	65	250	3626
12240-08-22	1/2"	12.8	M22 x 1.5	15	27	22	64	250	3626
12240-08-26	1/2"	12.8	M26 x 1.5	18	32	26	65	160	2320
12240-10-26	5/8"	16	M26 x 1.5	18	32	28	61.5	160	2320
12240-10-30	5/8"	16	M30 x 2	22	36	30	63.5	160	2320
12240-12-26 *	3/4"	19	M26 x 1.5	18	32	33.5	63	160	2320
12240-12-30	3/4"	19	M30 x 2	22	36	27	63	160	2320
12240-16-36	1"	25.4	M36 x 2	28	41	38.5	85.5	100	1450
12240-20-45	1-1/4"	31.8	M45 x 2	35	50	35	104.5	100	1450
12240-24-52	1-1/2"	38.1	M52 x 2	42	60	45	119	100	1450

* Crimped Nut



METRIC MALE 24 DEG CONE - S TYPE - 11100

AVAILABLE TO ORDER

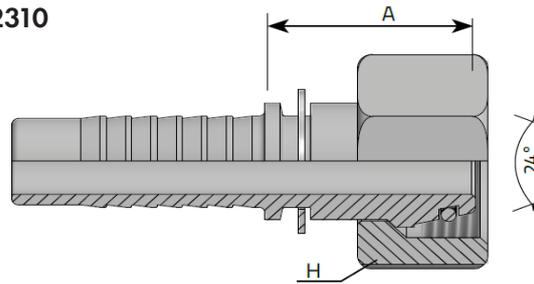


Code	Tube		Thread T mm	Dimensions			Pressure	
	Hose Diameter			D	H	A	Bar	psi
	Inch	mm		mm	mm	mm		
11100-03-14	3/16"	4.8	M14 x 1.5	6	15	24	420	6091
11100-03-16	3/16"	4.8	M16 x 1.5	8	17	25	420	6091
11100-04-14	1/4"	6.4	M14 x 1.5	6	15	24	450	6526
11100-04-16	1/4"	6.4	M16 x 1.5	8	17	25	450	6526
11100-04-18	1/4"	6.4	M18 x 1.5	10	19	25	450	6526
11100-04-20	1/4"	6.4	M20 x 1.5	12	22	27	450	6526
11100-05-18	5/16"	7.9	M18 x 1.5	10	19	25	350	5076
11100-05-20	5/16"	7.9	M20 x 1.5	12	22	26.5	350	5076
11100-06-18	3/8"	9.5	M18 x 1.5	10	19	26	450	6526
11100-06-20	3/8"	9.5	M20 x 1.5	12	22	27	450	6526
11100-06-22	3/8"	9.5	M22 x 1.5	14	24	29	450	6526
11100-08-22	1/2"	12.8	M22 x 1.5	14	24	30	420	6091
11100-08-24	1/2"	12.8	M24 x 1.5	16	27	31	420	6091
11100-10-30	5/8"	16	M30 x 2	20	32	33	350	5076
11100-12-30	3/4"	19	M30 x 2	20	32	34	350	5076
11100-12-36	3/4"	19	M36 x 2	25	38	36	350	5076
11100-12-42	3/4"	19	M42 x 2	30	^	^	350	5076
11100-16-36	1"	25.4	M36 x 2	25	38	38.5	280	4061
11100-16-42	1"	25.4	M42 x 2	30	46	42	280	4061
11100-20-42	1-1/4"	31.8	M42 x 2	30	46	42	210	3046
11100-20-52	1-1/4"	31.8	M52 x 2	38	55	46	210	3046
11100-24-52	1-1/2"	38.1	M52 x 2	38	55	46	185	2683



METRIC FEMALE 24 DEG CONE - S TYPE - 12310

AVAILABLE TO ORDER



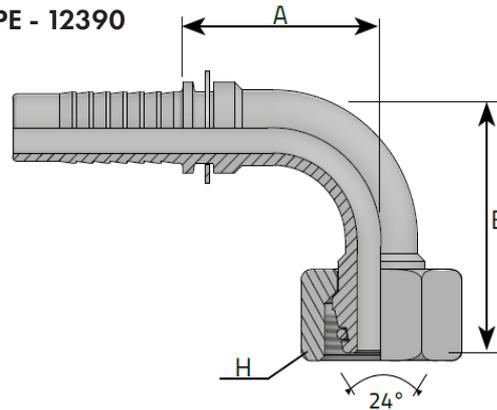
Code	Tube		Thread T mm	Dimensions			Pressure	
	Hose Diameter Inch	mm		D mm	H mm	A mm	Bar	psi
12310-03-14	3/16"	4.8	M14 x 1.5	6	19	25.5	420	6091
12310-03-16	3/16"	4.8	M16 x 1.5	8	19	25.5	420	6091
12310-04-14 *	1/4"	6.4	M14 x 1.5	6	17	25.5	450	6526
12310-04-16	1/4"	6.4	M16 x 1.5	8	19	26	450	6526
12310-04-18	1/4"	6.4	M18 x 1.5	10	22	26	450	6526
12310-04-20	1/4"	6.4	M20 x 1.5	12	24	26	450	6526
12310-05-18	5/16"	7.9	M18 x 1.5	10	22	26.5	350	5076
12310-05-20	5/16"	7.9	M20 x 1.5	12	24	26	350	5076
12310-06-18 *	3/8"	9.5	M18 x 1.5	10	22	26.5	450	6526
12310-06-20	3/8"	9.5	M20 x 1.5	12	24	26.5	450	6526
12310-06-22	3/8"	9.5	M22 x 1.5	14	27	27	450	6526
12310-08-22	1/2"	12.8	M22 x 1.5	14	27	27.5	420	6091
12310-08-24	1/2"	12.8	M24 x 1.5	16	30	32	420	6091
12310-10-30	5/8"	16	M30 x 2	20	36	37	350	5076
12310-12-30	3/4"	19	M30 x 2	20	36	37.5	350	5076
12310-12-36	3/4"	19	M36 x 2	25	46	38.5	350	5076
12310-16-36	1"	25.4	M36 x 2	25	46	39.5	280	4061
12310-16-42	1"	25.4	M42 x 2	30	50	40.5	280	4061
12310-20-42	1-1/4"	31.8	M42 x 2	30	50	41.5	210	3046
12310-20-52	1-1/4"	31.8	M52 x 2	38	60	47	210	3046
12310-24-52	1-1/2"	38.1	M52 x 2	38	60	47	185	2683

* Crimped Nut



METRIC FEMALE 24 DEG CONE - 90 DEG ELBOW - S TYPE - 12390

AVAILABLE TO ORDER



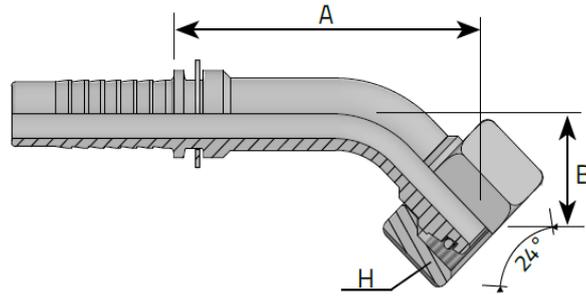
Code	Tube		Thread T	D	Dimensions			Pressure	
	Hose Diameter Inch	mm			H	B	A	Bar	psi
12390-03-14	3/16"	4.8	M14 x 1.5	6	19	31.5	29.5	420	6091
12390-03-16	3/16"	4.8	M16 x 1.5	8	19	31.5	29.5	420	6091
12390-04-14 *	1/4"	6.4	M14 x 1.5	6	17	31.5	29.5	450	6526
12390-04-16	1/4"	6.4	M16 x 1.5	8	19	31.5	29.5	450	6526
12390-04-18	1/4"	6.4	M18 x 1.5	10	22	32.5	29	450	6526
12390-04-20	1/4"	6.4	M20 x 1.5	12	24	30.5	27	450	6526
12390-05-18	5/16"	7.9	M18 x 1.5	10	22	32.5	31	350	5076
12390-05-20	5/16"	7.9	M20 x 1.5	12	24	37	29	350	5076
12390-06-18 *	3/8"	9.5	M18 x 1.5	10	22	38	33	450	6526
12390-06-20	3/8"	9.5	M20 x 1.5	12	24	37.5	35.5	450	6526
12390-06-22	3/8"	9.5	M22 x 1.5	14	27	42	34	450	6526
12390-08-22	1/2"	12.8	M22 x 1.5	14	27	44	39.5	420	6091
12390-08-24	1/2"	12.8	M24 x 1.5	16	30	45	39.5	420	6091
12390-10-30	5/8"	16	M30 x 2	20	36	56	48.5	350	5076
12390-12-30	3/4"	19	M30 x 2	20	36	59	56.5	350	5076
12390-12-36	3/4"	19	M36 x 2	25	46	59	56.5	350	5076
12390-16-36	1"	25.4	M36 x 2	25	46	75	73	280	4061
12390-16-42	1"	25.4	M42 x 2	30	50	75	73	280	4061
12390-20-42	1-1/4"	31.8	M42 x 2	30	50	86	92	210	3046
12390-20-52	1-1/4"	31.8	M52 x 2	38	60	86	92	210	3046
12390-24-52	1-1/2"	38.1	M52 x 2	38	60	94	99	185	2683

* Crimped Nut



METRIC FEMALE 24 DEG CONE - 45 DEG ELBOW S TYPE - 12340

AVAILABLE TO ORDER



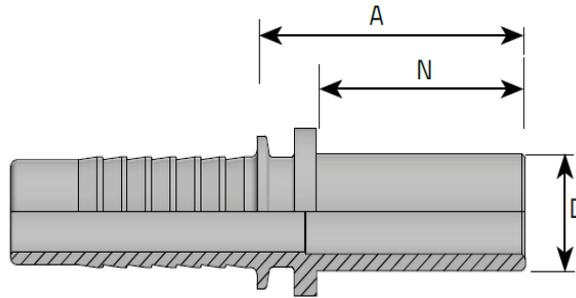
Code	Tube		Thread T	D	Dimensions			Pressure	
	Hose Diameter Inch	mm			H	B	A	Bar	psi
12340-03-14	3/16"	4.8	M14 x 1.5	6	19	15	37	420	6091
12340-03-16	3/16"	4.8	M16 x 1.5	8	19	15	37	420	6091
12340-04-14 *	1/4"	6.4	M14 x 1.5	6	17	17	40	450	6526
12340-04-16	1/4"	6.4	M16 x 1.5	8	19	17	50	450	6526
12340-04-18	1/4"	6.4	M18 x 1.5	10	22	17	48.5	450	6526
12340-04-20	1/4"	6.4	M20 x 1.5	12	24	17	48.5	450	6526
12340-05-18	5/16"	7.9	M18 x 1.5	10	22	17	52.5	350	5076
12340-05-20	5/16"	7.9	M20 x 1.5	12	24	20	50	350	5076
12340-06-18 *	3/8"	9.5	M18 x 1.5	10	22	20	55	450	6526
12340-06-20	3/8"	9.5	M20 x 1.5	12	24	17	57	450	6526
12340-06-22	3/8"	9.5	M22 x 1.5	14	27	19	59	450	6526
12340-08-22	1/2"	12.8	M22 x 1.5	14	27	22	65	420	6091
12340-08-24	1/2"	12.8	M24 x 1.5	16	30	22	66.5	420	6091
12340-10-30	5/8"	16	M30 x 2	20	36	26	64.5	350	5076
12340-12-30	3/4"	19	M30 x 2	20	36	27	64	350	5076
12340-12-36	1"	19	M36 x 2	25	46	28	70	350	5076
12340-16-36	1"	25.4	M36 x 2	25	46	38	88.5	280	4061
12340-16-42	1"	24.4	M42 x 2	30	50	38	89	280	4061
12340-20-42	1-1/4"	31.8	M42 x 2	30	50	35	104.5	210	3046
12340-20-52	1-1/4"	31.8	M52 x 2	38	60	35	104.5	210	3046
12340-24-52	1-1/2"	38.1	M52 x 2	38	60	45	119	185	2683

* Crimped Nut



STANDPIPE - 10000

AVAILABLE TO ORDER

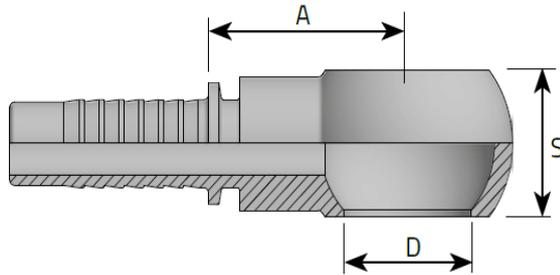


Code	Tube		Dimensions			Pressure	
	Hose Diameter		D mm	N mm	A mm	Bar	psi
	Inch	mm					
10000-03-06	3/16"	4.8	6	24	30	415	6019
10000-03-08	3/16"	4.8	8	24	30	415	6019
10000-04-06	1/4"	6.4	6	22.5	30.5	320	4641
10000-04-08	1/4"	6.4	8	23	30.5	450	6526
10000-04-10	1/4"	6.4	10	25	32	450	6526
10000-04-12	1/4"	6.4	12	25	32	450	6526
10000-05-08	5/16"	7.9	8	23	30	^	^
10000-05-10	5/16"	7.9	10	25	32	350	5076
10000-05-12	5/16"	7.9	12	25	32	350	5076
10000-06-10	3/8"	9.5	10	25.5	33	330	4786
10000-06-12	3/8"	9.5	12	25	32.5	445	6454
10000-06-14	3/8"	9.5	14	28	35.5	445	6454
10000-06-15	3/8"	9.5	15	25.5	33	250	3626
10000-08-12	1/2"	12.8	12	25	33	^	^
10000-08-14	1/2"	12.8	14	28	36	275	3988
10000-08-15	1/2"	12.8	15	25.5	33.5	250	3626
10000-08-16	1/2"	12.8	16	31	39	415	6019
10000-08-18	1-1/4"	31.8	18	27	35.5	160	2320
10000-10-18	5/8"	16	18	28	36	160	2320
10000-10-20	5/8"	16	20	35	43.5	350	5076
10000-10-22	5/8"	16	22	29	38	160	2320
10000-12-18	3/4"	19	18	26	34.5	160	2320
10000-12-20	3/4"	19	20	35	44	215	3118
10000-12-22	3/4"	19	22	29.5	38	160	2320
10000-12-25	3/4"	19	25	41	51	350	5076
10000-16-25	1"	25.4	25	39.5	50	165	2393
10000-16-28	1"	25.4	28	30.5	41	100	1450
10000-16-30	1"	25.4	30	43.5	54	250	3626
10000-20-30	1-1/4"	31.8	30	43	54.5	210	3046
10000-20-35	1-1/4"	31.8	35	35.5	46.5	100	1450
10000-20-38	1-1/4"	31.8	38	48	60	210	3046
10000-24-38	1-1/2"	38.1	38	48	60	170	2466
10000-24-42	1-1/2"	38.1	42	36	47	100	1450



BSP BANJO - 17000

AVAILABLE TO ORDER

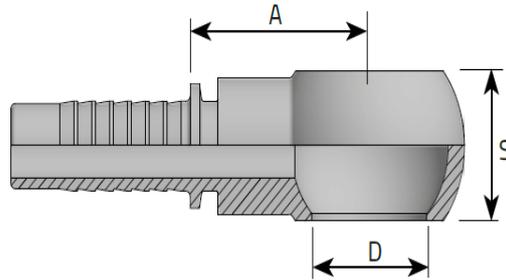


Code	Tube		Thread	Dimensions		
	Hose Diameter		T	D	S	A
	Inch	mm	Inch	mm	mm	mm
17000-03-02	3/16"	4.8	1/8"	10	10	19.5
17000-03-04	3/16"	4.8	1/4"	13.2	14	22.5
17000-04-02	1/4"	6.4	1/8"	10	10	24
17000-04-04	1/4"	6.4	1/4"	13.2	14	23
17000-04-06	1/4"	6.4	3/8"	16.7	17	26.6
17000-04-08	1/4"	6.4	1/2"	21	22	32.5
17000-05-04	5/16"	7.9	1/4"	13.2	14	24
17000-05-06	5/16"	7.9	3/8"	16.7	17	26.5
17000-05-08	5/16"	7.9	1/2"	21	22	27.5
17000-06-04	3/8"	9.5	1/4"	13.2	14	31.5
17000-06-06	3/8"	9.5	3/8"	16.7	17	26.5
17000-06-08	3/8"	9.5	1/2"	21	22	27.5
17000-08-06	1/2"	12.8	3/8"	16.7	17	31
17000-08-08	1/2"	12.8	1/2"	21	22	33
17000-08-10	1/2"	12.8	5/8"	23.3	25	32.5
17000-08-12	1/2"	12.8	3/4"	26.5	30	34.5
17000-10-08	5/8"	16	1/2"	21	22	31.5
17000-10-10	5/8"	16	5/8"	23.3	25	32.5
17000-10-12	5/8"	16	3/4"	26.5	30	34.5
17000-12-12	3/4"	19	3/4"	26.5	30	35
17000-12-16	3/4"	19	1"	33.4	38	48
17000-16-12	1"	25.4	3/4"	^	^	^
17000-16-16	1"	25.4	1"	33.4	38	43
17000-20-20	1-1/4"	31.8	1-1/4"	42.1	47	57.7



METRIC BANJO - 17100

AVAILABLE TO ORDER

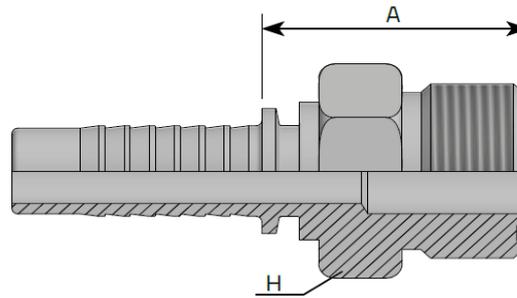


Code	Tube		Thread T mm	Dimensions		
	Hose Diameter Inch	mm		D mm	S mm	A mm
17100-03-10	3/16"	4.8	M10 x 1	10.1	10	19.5
17100-03-12	3/16"	4.8	M12 x 1.5	12.1	12	21
17100-03-14	3/16"	4.8	M14 x 1.5	14.1	14	23
17100-04-10	1/4"	6.4	M10 x 1	10.1	10	24
17100-04-12	1/4"	6.4	M12 x 1.5	12.1	11	23
17100-04-14	1/4"	6.4	M14 x 1.5	14.1	14	23
17100-04-16	1/4"	6.4	M16 x 1.5	16.1	17	25
17100-04-18	1/4"	6.4	M18 x 1.5	18.1	20	29
17100-05-12	5/16"	7.9	M12 x 1.5	12.1	12	23
17100-05-14	5/16"	7.9	M14 x 1.5	14.1	14	24.5
17100-05-16	5/16"	7.9	M16 x 1.5	16.1	17	27
17100-05-18	5/16"	7.9	M18 x 1.5	18.1	20	29
17100-05-20	5/16"	7.9	M20 x 1.5	20.1	22	28
17100-05-22	5/16"	7.9	M22 x 1.5	22.1	22	28
17100-06-14	3/8"	9.5	M14 x 1.5	14.1	14	27
17100-06-16	3/8"	9.5	M16 x 1.5	16.1	17	27
17100-06-18	3/8"	9.5	M18 x 1.5	18.1	20	28
17100-06-20	3/8"	9.5	M20 x 1.5	20.1	22	28.5
17100-06-22	3/8"	9.5	M22 x 1.5	22.1	22	28.5
17100-08-18	1/2"	12.8	M18 x 1.5	18.1	20	30
17100-08-20	1/2"	12.8	M20 x 1.5	20.1	22	34
17100-08-22	1/2"	12.8	M22 x 1.5	22.1	22	34
17100-08-26	1/2"	12.8	M26 x 1.5	26.5	30	34.5
17100-10-22	5/8"	16	M22 x 1.5	22.1	22	34
17100-10-26	5/8"	16	M26 x 1.5	26.5	30	34.5
17100-12-26	3/4"	19	M26 x 1.5	26.5	30	35
17100-12-30	3/4"	19	M30 x 1.5	30.1	36	41.5
17100-16-30	1"	25.4	M30 x 1.5	30.1	36	41.5



ORFS MALE - 13500

AVAILABLE TO ORDER

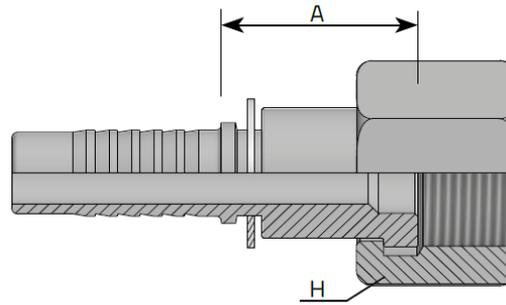


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
13500-04-04	1/4"	6.4	9/16"	18	17	24	450	6526
13500-04-06	1/4"	6.4	11/16"	16	19	27.5	450	6526
13500-05-06	5/16"	7.9	11/16"	16	19	27.5	350	5076
13500-06-06	3/8"	9.5	11/16"	16	19	27.5	445	6454
13500-06-08	3/8"	9.5	13/16"	16	22	30.5	445	6454
13500-06-10	3/8"	9.5	1"	14	27	33.5	445	6454
13500-08-08	1/2"	12.8	13/16"	16	27	34	415	6019
13500-08-10	1/2"	12.8	1"	14	27	31.5	415	6019
13500-08-12	1/2"	12.8	1-3/16"	16	32	36	415	6019
13500-10-10	5/8"	16	1"	14	27	34	350	5076
13500-10-12	5/8"	16	1-3/16"	12	32	37	350	5076
13500-12-12	3/4"	19	1-3/16"	12	32	38	350	5076
13500-12-16	3/4"	19	1-7/16"	12	41	38.5	350	5076
13500-16-16	1"	25.4	1-7/16"	12	41	39.5	280	4061
13500-20-20	1-1/4"	31.8	1-11/16"	12	46	40	210	3046
13500-24-24	1-1/2"	38.1	2"	12	55	43	185	2683



ORFS FEMALE - 15210

AVAILABLE TO ORDER



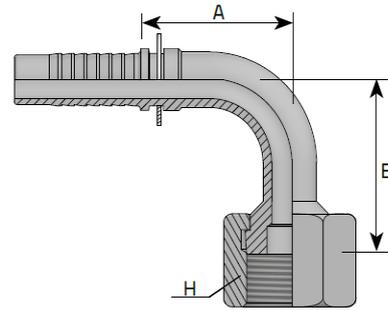
Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
15210-04-04	1/4"	6.4	9/16"	18	17	20.5	450	6526
15210-04-06	1/4"	6.4	11/16"	16	22	23	450	6526
15210-04-08	1/4"	6.4	13/16"	16	24	26	450	6526
15210-05-06	5/16"	7.9	11/16"	16	22	23	350	5076
15210-06-04 *	3/8"	9.5	9/16"	18	19	25	445	6454
15210-06-06	3/8"	9.5	11/16"	16	22	23.5	445	6454
15210-06-08	3/8"	9.5	13/16"	16	24	26	445	6454
15210-08-06	1/2"	12.8	11/16"	16	22	29	415	6019
15210-08-08	1/2"	12.8	13/16"	16	24	26.5	415	6019
15210-08-10	1/2"	12.8	1"	14	30	30	415	6019
15210-08-12	1/2"	12.8	1-3/16"	12	36	32.5	415	6019
15210-10-10	5/8"	16	1"	14	30	30	350	5076
15210-10-12	5/8"	16	1-3/16"	12	36	32	350	5076
15210-12-12	3/4"	19	1-3/16"	12	36	33	350	5076
15210-12-16	3/4"	19	1-7/16"	12	41	34	350	5076
15210-16-12 *	1"	25.4	1-3/16"	12	36	38.5	280	4061
15210-16-16	1"	25.4	1-7/16"	12	41	35	280	4061
15210-16-20	1"	25.4	1-11/16"	12	50	35	210	3046
15210-20-20	1-1/4"	31.8	1-11/16"	12	50	35.5	210	3046
15210-20-24	1-1/2"	38.1	2"	12	60	37	185	2683

* Crimped Nut



ORFS FEMALE SWIVEL 90 DEG ELBOW - 15290

AVAILABLE TO ORDER



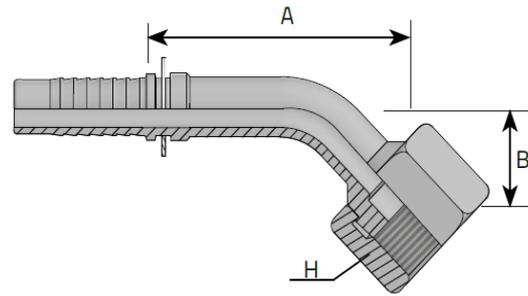
Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15290-04-04	1/4"	6.4	9/16"	18	17	29.5	28	450	6526
15290-04-06	1/4"	6.4	11/16"	16	22	30	28	450	6526
15290-04-08	1/4"	6.4	13/16"	16	24	32	29.5	450	6526
15290-05-06	5/16"	7.9	11/16"	16	22	29	29	350	5076
15290-06-04 *	3/8"	9.5	9/16"	18	19	44	32.5	445	6454
15290-06-06	3/8"	9.5	11/16"	16	22	29	36	445	6454
15290-06-08	3/8"	9.5	13/16"	16	24	32	34	445	6454
15290-08-06	1/2"	12.8	11/16"	16	22	51	40.5	415	6019
15290-08-08	1/2"	12.8	13/16"	16	24	36	37.5	415	6019
15290-08-10	1/2"	12.8	1"	14	30	39	39	415	6019
15290-08-12	1/2"	12.8	1-3/16"	12	36	41	38	415	6019
15290-10-10	5/8"	16	1"	14	30	43.5	51.5	350	5076
15290-10-12	5/8"	16	1-3/16"	12	36	48	46.5	350	5076
15290-12-12	3/4"	19	1-3/16"	12	36	49	56	350	5076
15290-12-16	3/4"	19	1-7/16"	12	41	54	56.5	350	5076
15290-16-12 *	1"	25.4	1-3/16"	12	36	85	70	280	4061
15290-16-16	1"	25.4	1-7/16"	12	41	59.5	74	280	4061
15210-20-20	1-1/4"	31.8	1-11/16"	12	50	75.5	90	210	3046
15290-20-24	1-1/2"	38.1	2"	12	60	84	99	185	2683

* Crimped Nut



ORFS FEMALE SWIVEL - 45 DEG ELBOW - 15240

AVAILABLE TO ORDER



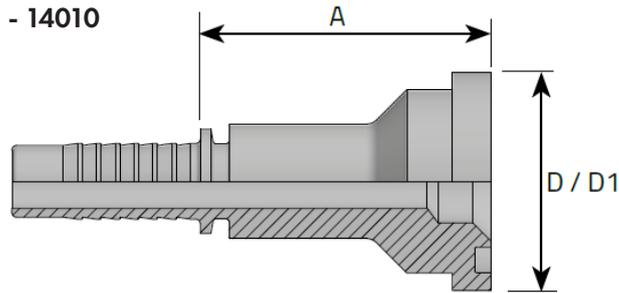
Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter		T	t/1"	H	B	A	Bar	psi
	Inch	mm	Inch		mm	mm	mm		
15240-04-04	1/4"	6.4	9/16"	18	17	15	45	450	6526
15240-04-06	1/4"	6.4	11/16"	16	22	15.5	45.5	450	6526
15240-04-08	1/4"	6.4	13/16"	16	24	18	49	450	6526
15240-05-06	5/16"	7.9	11/16"	16	22	15.5	46	350	5076
15240-06-04 *	3/8"	9.5	9/16"	18	19	24	55	445	6454
15240-06-06	3/8"	9.5	11/16"	16	22	13	51	445	6454
15240-06-08	3/8"	9.5	13/16"	16	24	17	52	445	6454
15240-08-06 *	1/2"	12.8	11/16"	16	22	26	72	415	6019
15240-08-08	1/2"	12.8	13/16"	16	24	18	58	415	6019
15240-08-10	1/2"	12.8	1"	14	30	20	61	415	6019
15240-08-14	1/2"	12.8	1-3/16"	12	36	24	62	415	6019
15240-10-10	5/8"	16	1"	14	30	20	55	350	5076
15240-10-12	5/8"	16	1-3/16"	12	36	21	57	350	5076
15240-12-12	3/4"	19	1-3/16"	12	36	23	58	350	5076
15240-12-16	3/4"	19	1-7/16"	12	41	27	62.5	350	5076
15240-16-12 *	1"	25.4	1-3/16"	12	36	43	96.5	280	4061
15240-16-16	1"	25.4	1-7/16"	12	41	26	81	280	4061
15240-20-20	1-1/4"	31.8	1-11/16"	12	50	34	93	210	3046

* Crimped Nut



FLANGE CODE 61 - 3000 PSI - 14010

AVAILABLE TO ORDER

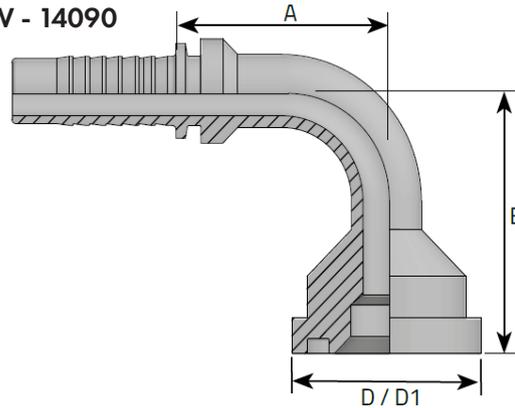


Code	Tube		Dimensions			Pressure	
	Hose Diameter		D	D1	A	Bar	psi
	Inch	mm	Inch	mm	mm		
14010-08-08	1/2"	12.8	1/2"	30.2	49	350	5076
14010-08-10	1/2"	12.8	5/8"	34	48	350	5076
14010-08-12	1/2"	12.8	3/4"	38.1	52	350	5076
14010-10-08	5/8"	16	1/2"	30.2	49	350	5076
14010-10-10	5/8"	16	5/8"	34	49	350	5076
14010-10-12	5/8"	16	3/4"	38.1	48	350	5076
14010-12-08	3/4"	19	1/2"	30.2	47	350	5076
14010-12-12	3/4"	19	3/4"	38.1	47	350	5076
14010-12-16	3/4"	19	1"	44.5	50	350	5076
14010-16-12	1"	25.4	3/4"	38.1	50	280	4061
14010-16-16	1"	25.4	1"	44.5	50	280	4061
14010-16-20	1"	25.4	1-1/4"	50.8	67	280	4061
14010-20-16	1-1/4"	31.8	1"	44.5	57	210	3046
14010-20-20	1-1/4"	31.8	1-1/4"	50.8	65	210	3046
14010-20-24	1-1/4"	31.8	1-1/2"	60.3	70	210	3046
14010-24-24	1-1/2"	38.1	1-1/2"	60.3	70	185	2683
14010-24-32	1-1/2"	38.1	2"	71.4	72	185	2683
14010-32-32	2"	50.8	2"	71.4	73	170	2466



FLANGE CODE 61 - 3000 PSI - 90 DEG ELBOW - 14090

AVAILABLE TO ORDER

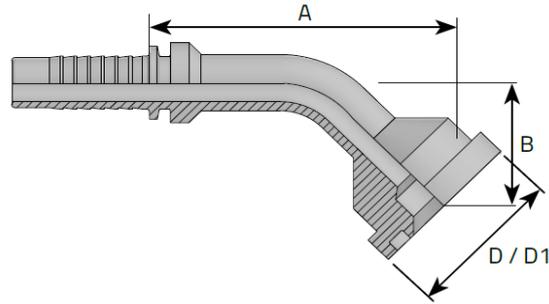


Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14090-08-08	1/2"	12.8	1/2"	30.2	43	39	350	5076
14090-08-10	1/2"	12.8	5/8"	34	47	39	350	5076
14090-08-12	1/2"	12.8	3/4"	38.1	50	39	350	5076
14090-10-08	5/8"	16	1/2"	30.2	49	49	350	5076
14090-10-10	5/8"	16	5/8"	34	52	49	350	5076
14090-10-12	5/8"	16	3/4"	38.1	55	49	350	5076
14090-12-08	3/4"	19	1/2"	30.2	52	57	350	5076
14090-12-12	3/4"	19	3/4"	38.1	58	57	350	5076
14090-12-16	3/4"	19	1"	44.5	62	57	350	5076
14090-16-12	1"	25.4	3/4"	38.1	60	77	280	4061
14090-16-16	1"	25.4	1"	44.5	64	77	280	4061
14090-16-20	1"	25.4	1-1/4"	50.8	70	77	280	4061
14090-20-16	1-1/4"	31.8	1"	44.5	82	89	210	3046
14090-20-20	1-1/4"	31.8	1-1/4"	50.8	87	89	210	3046
14090-20-24	1-1/4"	31.8	1-1/2"	60.3	88	89	210	3046
14090-24-24	1-1/2"	38.1	1-1/2"	60.3	102	101	185	2683
14090-24-32	1-1/2"	38.1	2"	71.4	118	101	185	2683
14090-32-32	2"	50.8	2"	71.4	120	144	170	2466



FLANGE CODE 61 - 3000 PSI - 45 DEG ELBOW - 14040

AVAILABLE TO ORDER

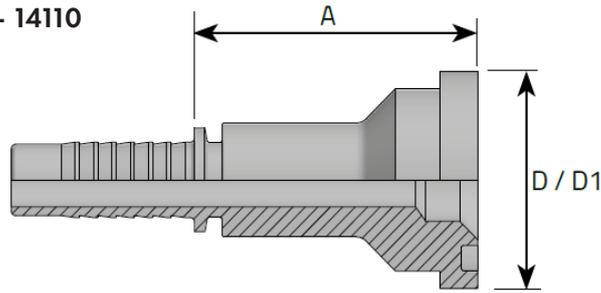


Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14040-08-08	1/2"	12.8	1/2"	30.2	23	63	350	5076
14040-08-10	1/2"	12.8	5/8"	34	25	68	350	5076
14040-08-12	1/2"	12.8	3/4"	38.1	28	68	350	5076
14040-10-08	5/8"	16	1/2"	30.2	26	59	350	5076
14040-10-10	5/8"	16	5/8"	34	30	63	350	5076
14040-10-12	5/8"	16	3/4"	38.1	30	63	350	5076
14040-12-08	3/4"	19	1/2"	30.2	28	63	350	5076
14040-12-12	3/4"	19	3/4"	38.1	32	67	350	5076
14040-12-16	3/4"	19	1"	44.5	35	70	350	5076
14040-16-16	1"	25.4	1"	44.5	32	86	280	4061
14040-16-20	1"	25.4	1-1/4"	50.8	36	90	280	4061
14040-20-20	1-1/4"	31.8	1-1/4"	50.8	43	100	210	3046
14040-20-24	1-1/4"	31.8	1-1/2"	60.3	44	101	210	3046
14040-24-24	1-1/2"	38.1	1-1/2"	60.3	41	112	185	2683
14040-24-32	1-1/2"	38.1	2"	71.4	52	123	185	2683
14040-32-32	2"	50.8	2"	71.4	59	148	170	2466



FLANGE CODE 62 - 6000 PSI - 14110

AVAILABLE TO ORDER

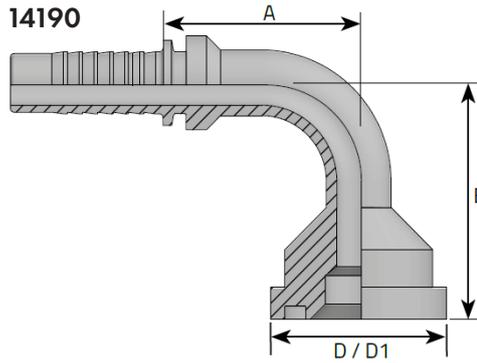


Code	Tube		Dimensions			Pressure	
	Hose Diameter		D	D1	A	Bar	psi
	Inch	mm	Inch	mm	mm		
14110-08-08	1/2"	12.8	1/2"	31.7	50	415	6019
14110-08-12	1/2"	12.8	3/4"	41.3	55	415	6019
14110-10-08	5/8"	16	1/2"	31.7	50	350	5076
14110-10-12	5/8"	16	3/4"	41.3	51	350	5076
14110-12-08	3/4"	19	1/2"	31.7	53	350	5076
14110-12-12	3/4"	19	3/4"	41.3	53	350	5076
14110-12-16	3/4"	19	1"	47.6	64	350	5076
14110-16-12	1"	25.4	3/4"	41.3	64	280	4061
14110-16-16	1"	25.4	1"	47.6	66	280	4061
14110-16-20	1"	25.4	1-1/4"	54	71	280	4061
14110-20-16	1-1/4"	31.8	1"	47.6	66	210	3046
14110-20-20	1-1/4"	31.8	1-1/4"	54	67	210	3046
14110-20-24	1-1/4"	31.8	1-1/2"	63.5	78	210	3046
14110-24-24	1-1/2"	38.1	1-1/2"	63.5	78	185	2683
14110-24-32	1-1/2"	38.1	2"	79.4	73	185	2683
14110-32-32	2"	50.8	2"	79.4	73	172	2495



FLANGE CODE 62 - 6000 PSI - 90 DEG ELBOW - 14190

AVAILABLE TO ORDER

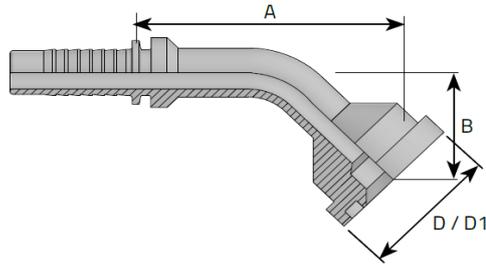


Code	Tube		Dimensions				Pressure	
	Hose Diameter		D	D1	B	A	Bar	psi
	Inch	mm	Inch	mm	mm	mm		
14190-08-08	1/2"	12.8	1/2"	31.7	44	39	415	6019
14190-08-12	1/2"	12.8	3/4"	41.3	51	39	415	6019
14190-10-08	5/8"	16	1/2"	31.7	50	49	350	5076
14190-10-12	5/8"	16	3/4"	41.3	59	49	350	5076
14190-12-08	3/4"	19	1/2"	31.7	53	57	350	5076
14190-12-12	3/4"	19	3/4"	41.3	62	57	350	5076
14190-12-16	3/4"	19	1"	47.6	67	57	350	5076
14190-16-12	1"	25.4	3/4"	41.3	64	77	280	4061
14190-16-16	1"	25.4	1"	47.6	69	77	280	4061
14190-16-20	1"	25.4	1-1/4"	53	73	77	280	4061
14190-20-16	1-1/4"	31.8	1"	47.6	87	89	210	3046
14190-20-20	1-1/4"	31.8	1-1/4"	54	93	89	210	3046
14190-20-24	1-1/4"	31.8	1-1/2"	63.5	97	89	210	3046
14190-24-24	1-1/2"	38.1	1-1/2"	63.5	111	101	185	2683
14190-24-32	1-1/2"	38.1	2"	79.4	126	101	185	2683
14190-32-32	2"	50.8	2"	79.4	128	144	172	2495



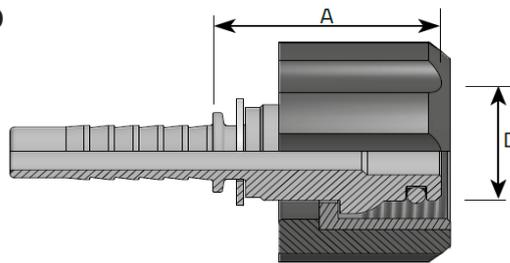
FLANGE CODE 62 - 6000 PSI - 45 DEG ELBOW - 14140

AVAILABLE TO ORDER



Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14140-08-08	1/2"	12.8	1/2"	31.7	23	64	415	6019
14140-08-12	1/2"	12.8	3/4"	41.3	28	69	415	6019
14140-10-08	5/8"	16	1/2"	31.7	26	60	350	5076
14140-10-12	5/8"	16	3/4"	41.3	30	66	350	5076
14140-12-08	3/4"	19	1/2"	31.7	28	64	350	5076
14140-12-12	3/4"	19	3/4"	41.3	32	70	350	5076
14140-12-16	3/4"	19	1"	47.6	35	74	350	5076
14140-16-12	1"	25.4	3/4"	41.3	35	86	280	4061
14140-16-16	1"	25.4	1"	47.6	32	89	280	4061
14140-16-20	1"	25.4	1-1/4"	54	36	94	280	4061
14140-20-16	1-1/4"	31.8	1"	47.6	36	100	210	3046
14140-20-20	1-1/4"	31.8	1-1/4"	54	43	104	210	3046
14140-20-24	1-1/4"	31.8	1-1/2"	63.5	44	107	210	3046
14140-24-24	1-1/2"	38.1	1-1/2"	63.5	41	118	185	2683
14140-24-32	1-1/2"	38.1	2"	79.4	52	119	185	2683
14140-32-32	2"	50.8	2"	79.4	59	153	172	2495

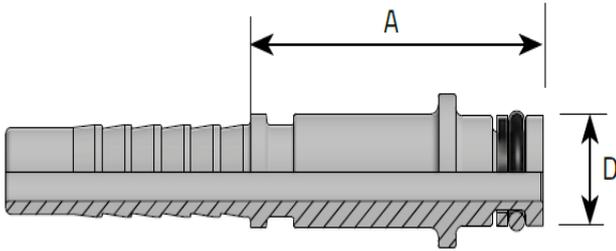
WATERJET CLEANER FEMALE - 12510



Code	Tube		Thread	Tube		Pressure	
	Hose Diameter Inch	mm		D mm	A mm	Bar	psi
12510-04-22	1/4"	6.4	M22 x 1.5	14	33	400	5801
12510-05-22	5/16"	7.9	M22 x 1.5	14	33	400	5801
12510-06-22	3/8"	9.5	M22 x 1.5	14	33	400	5801



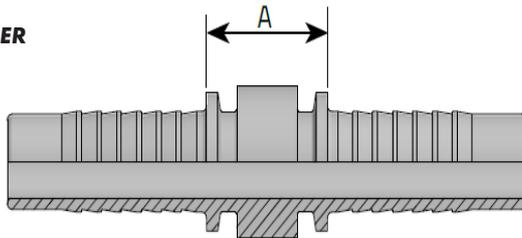
PISTOL WASH CLEANER JUNCTION - 12500



Code	Tube		Dimensions	
	Hose Diameter		D	A
	Inch	mm	Inch	mm
12500-04-04	1/4"	6.4	10	33.5
12500-04-11	1/4"	6.4	11	33.5
12500-05-05	5/16"	7.9	10	33.5
12500-05-11	5/16"	7.9	11	33.5

DOUBLE CONNECTOR - 19999

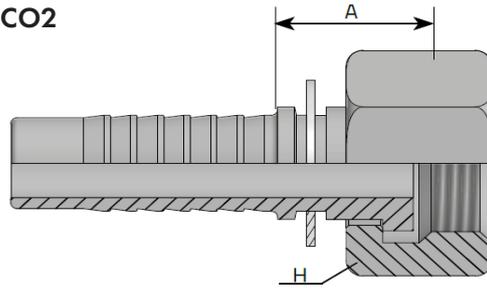
AVAILABLE TO ORDER



Code	Tube		Dimension	Pressure	
	Hose Diameter		A	Bar	psi
	Inch	mm	mm		
19999-04	1/4"	6.4	14	450	6526
19999-05	5/16"	7.9	14	350	5076
19999-06	3/8"	9.5	15	445	6454
19999-08	1/2"	12.8	20	415	6019
19999-10	5/8"	16	16	350	5076
19999-12	3/4"	19	18	350	5076
19999-16	1"	25.4	20	280	4061
19999-20	1-1/4"	31.8	21	210	3046



WHITWORTH CO2 FEMALE - CO2

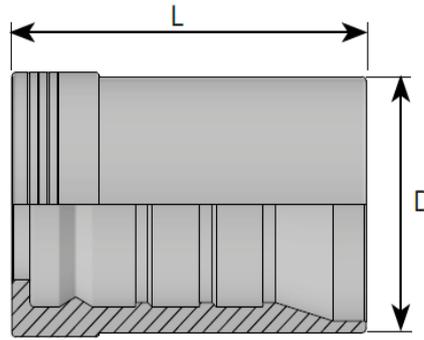


Code	Tube		Thread		Dimensions	
	Hose Diameter Inch	mm	T mm	t/1"	H mm	A mm
CO2-06	3/8"	9.5	21.7 W	14	27	16
CO2-08	1/2"	12.8	21.7 W	14	27	16.5



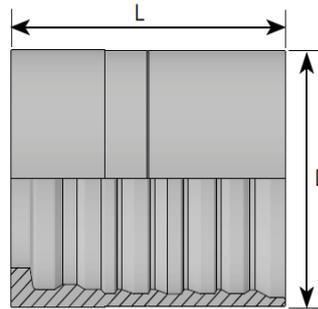
INTERLOCK FERRULE FOR 4SH - 05405V

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05405-12V	3/4"	19	38	60
05405-16V	1"	25.4	46	74.5
05405-20V	1-1/4"	31.8	56	87.8
05405-24V	1-1/2"	38.1	62	94.4
05405-32V	2"	50.8	79.5	99



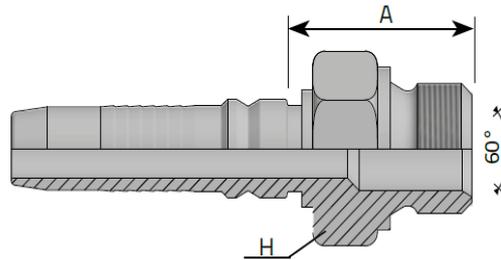
INTERLOCK FERRULE FOR R13/R15 - 05406V

Code	Tube		Dimensions	
	Hose Diameter		D	L
	Inch	mm	mm	mm
05406-20V	1-1/4"	31.8	60	87.8
05406-24V	1-1/2"	38.1	67	94.4
05406-32V	2"	50.8	84.4	99



INTERLOCK BSPP MALE - 13006

AVAILABLE TO ORDER

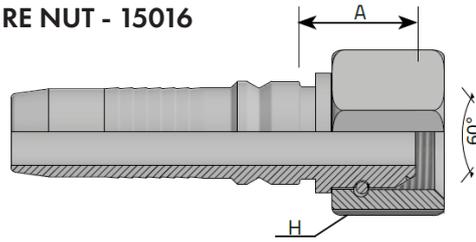


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter		T	t/1"	H	A	Bar	psi
	Inch	mm	Inch		mm	mm		
13006-12-12	3/4"	19	3/4"	14	32	34.7	420	6091
13006-16-16	1"	25.4	1"	11	38	37.4	420	6091
13006-16-20	1"	25.4	1-1/4"	11	50	42.6	420	6091
13006-20-20	1-1/4"	31.8	1-1/4"	11	50	44.2	420	6091
13006-24-24	1-1/2"	38.1	1-1/2"	11	55	44.5	345	5004
13006-32-32	2"	50.8	2"	11	70	54	345	5004



INTERLOCK BSPP FEMALE (O RING) - THRUST WIRE NUT - 15016

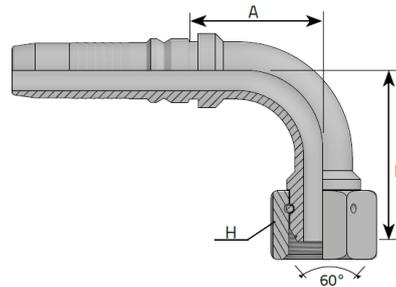
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter		T	t/1"	H	A	Bar	psi
	Inch	mm	Inch		mm	mm		
15016-12-12	3/4"	19	3/4"	14	32	22.7	420	6091
15016-16-16	1"	25.4	1"	11	38	24.7	420	6091
15016-16-20	1"	25.4	1-1/4"	11	50	27.5	414	6004
15016-20-20	1-1/4"	31.8	1-1/4"	11	50	28.2	345	5004
15016-24-24	1-1/2"	38.1	1-1/2"	11	55	30.5	345	5004
15016-32-32	2"	50.8	2"	11	70	34	345	5004

INTERLOCK BSPP FEMALE 90 DEG (O RING) - THRUST WIRE NUT - 15096

AVAILABLE TO ORDER

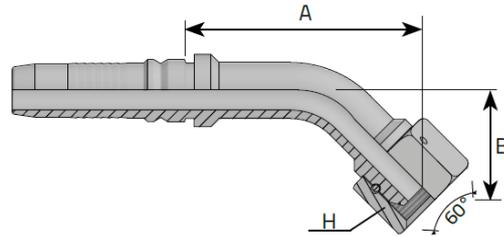


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter		T	t/1"	H	B	A	Bar	psi
	Inch	mm	Inch		mm	mm	mm		
15096-12-12	3/4"	19	3/4"	14	32	59	54	420	6091
15096-16-16	1"	25.4	1"	11	38	72	70.5	420	6091
15096-16-20	1"	25.4	1-1/4"	11	50	80	70.5	420	6091
15096-20-20	1-1/4"	31.8	1-1/4"	11	50	93	87.7	420	6091
15096-24-24	1-1/2"	38.1	1-1/2"	11	55	114	99.5	345	5004
15096-32-32	2"	50.8	2"	11	70	136	135	345	5004



INTERLOCK BSPP FEMALE 45 DEG (O RING) - THRUST WIRE NUT - 15046

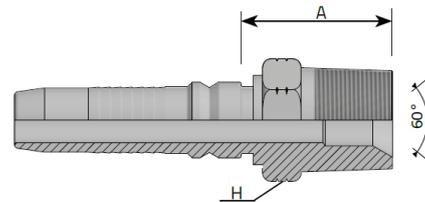
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15046-12-12	3/4"	19	3/4"	14	32	29	60.7	420	6091
15046-16-16	1"	25.4	1"	11	38	41	87.5	420	6091
15046-16-20	1"	25.4	1-1/4"	11	50	44	90.5	420	6091
15046-20-20	1-1/4"	31.8	1-1/4"	11	50	44	100.5	420	6091
15046-24-24	1-1/2"	38.1	1-1/2"	11	55	45	116.5	345	5004
15046-32-32	2"	50.8	2"	11	70	68	156	345	5004

INTERLOCK NPTF MALE - 13206

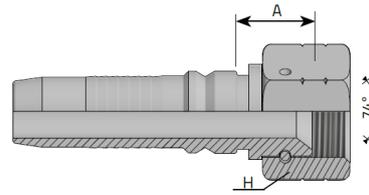
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
13206-12-12	3/4"	19	3/4"	14	27	34.5	96.5	420	6091
13206-12-16	3/4"	19	1"	11.5	36	42.5	104.5	420	6091
13206-16-16	1"	25.4	1"	11.5	36	43	115	420	6091
13206-16-20	1"	25.4	1-1/4"	11.5	46	43	115	420	6091
13206-20-20	1-1/4"	31.8	1-1/4"	11.5	46	44	137.5	420	6091
13206-20-24	1-1/4"	31.8	1-1/2"	11.5	50	44	137.5	420	6091
13206-24-24	1-1/2"	38.1	1-1/2"	11.5	50	45.4	139	345	5004
13206-32-32	2"	50.8	2"	11.5	65	57	155	345	5004



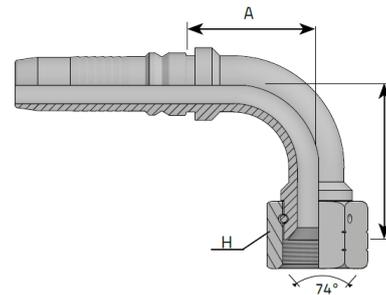
INTERLOCK JIC 37 DEG FEMALE - 15116



Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter		T	t/1"	H	A	Bar	psi
	Inch	mm	Inch		mm	mm		
15116-12-12	3/4"	19	1-1/16"	12	32	20.5	420	6091
15116-12-14	3/4"	19	1-3/16"	12	36	20.5	420	6091
15116-12-16	3/4"	19	1-5/16"	12	41	20.5	420	6091
15116-16-16	1"	25.4	1-5/16"	12	41	22	414	6004
15116-16-20	1"	25.4	1-5/8"	12	50	26	414	6004
15116-20-20	1-1/4"	31.8	1-5/8"	12	50	27.5	414	6004
15116-20-24	1-1/4"	31.8	1-7/8"	12	55	29.5	414	6004
15116-24-24	1-1/2"	38.1	1-7/8"	12	55	29.5	345	5004
15116-32-32	2"	50.8	2-1/2"	12	70	33	345	5004

INTERLOCK JIC 37 DEG FEMALE 90 DEG - 15196

AVAILABLE TO ORDER

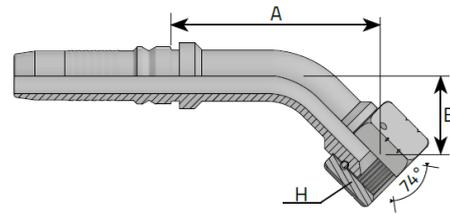


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter		T	t/1"	H	B	A	Bar	psi
	Inch	mm	Inch		mm	mm	mm		
15196-12-12	3/4"	19	1-1/16"	12	32	58	51	420	6091
15196-12-14	3/4"	19	1-3/16"	12	36	61	51	420	6091
15196-12-16	3/4"	19	1-5/16"	12	41	62.5	51	420	6091
15196-16-16	1"	25.4	1-5/16"	12	41	69.5	70.5	414	6004
15196-16-20	1"	25.4	1-5/8"	12	50	78.5	70.5	414	6004
15196-20-20	1-1/4"	31.8	1-5/8"	12	50	91.5	87.5	414	6004
15196-20-24	1-1/4"	31.8	1-7/8"	12	55	99	87.5	414	6004
15196-24-24	1-1/2"	38.1	1-7/8"	12	55	112.5	99.5	345	5004
15196-32-32	2"	50.8	2-1/2"	12	70	101	110	345	5004



INTERLOCK JIC 37 DEG FEMALE 45 DEG ELBOW - 15146

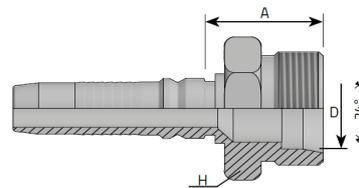
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15146-12-12	3/4"	19	1-1/16"	12	32	29	59.5	420	6091
15146-12-14	3/4"	19	1-3/16"	12	36	29	60.5	420	6091
15146-12-16	3/4"	19	1-5/16"	12	41	29	60.5	420	6091
15146-16-16	1"	25.4	1-5/16"	12	41	39.5	86	414	6004
15146-16-20	1"	25.4	1-5/8"	12	50	38.5	87	414	6004
15146-20-20	1-1/4"	31.8	1-5/8"	12	50	44	99.5	414	6004
15146-20-24	1-1/4"	31.8	1-7/8"	12	55	45	101.5	414	6004
15146-24-24	1-1/2"	38.1	1-7/8"	12	55	45	116.5	345	5004
15146-32-32	2"	50.8	2-1/2"	12	70	65.8	156	345	5004

INTERLOCK METRIC MALE 24 DEG CONE - S TYPE - 11106

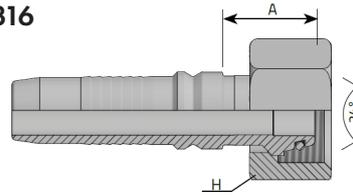
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T mm	D mm	H mm	A mm	Bar	psi
11106-12-30	3/4"	19	M30 x 2	20	32	31.5	420	6091
11106-12-36	3/4"	19	M36 x 2	25	38	33.5	420	6091
11106-16-36	1"	25.4	M36 x 2	25	38	36	414	6004
11106-16-42	1"	25.4	M42 x 2	30	46	39.5	280	4061
11106-20-42	1-1/4"	31.8	M42 x 2	30	46	40.5	250	3626
11106-20-52	1-1/4"	31.8	M52 x 2	38	55	44.5	250	3626
11106-24-52	1-1/2"	28.1	M52 x 2	38	55	44.5	250	3626

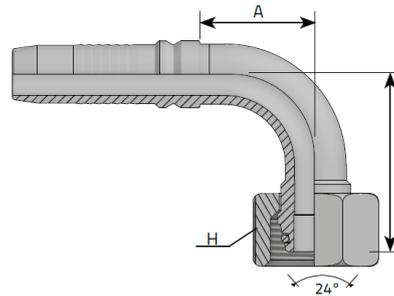


INTERLOCK METRIC FEMALE 24 DEG CONE – S TYPE – 12316



Code	Tube		Thread T	D	Dimensions		Pressure	
	Hose Diameter Inch	mm			H	A	Bar	psi
12396-10-30	5/8"	16	M30 x 2	20	^	^	420	6091
12316-12-30	3/4"	19	M30 x 2	20	36	35	420	6091
12316-12-36	3/4"	19	M36 x 2	25	46	36	420	6091
12316-16-36	1"	25.4	M36 x 2	25	46	37	414	6004
12316-16-42	1"	25.4	M42 x 2	30	50	38	280	4061
12316-16-36	1-1/4"	31.8	M42 x 2	30	50	40	250	3626
12316-20-52	1-1/4"	31.8	M52 x 2	38	60	45.5	250	3626
12316-24-52	1-1/2"	38.1	M52 x 2	38	60	45.5	250	3626

INTERLOCK METRIC FEMALE 24 DEG CONE – 90 DEG – S TYPE – 12396

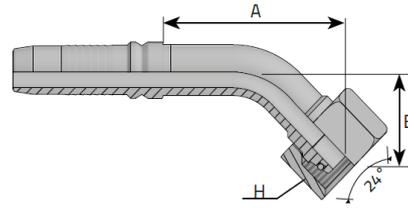


Code	Tube		Thread T	D	Dimensions			Pressure	
	Hose Diameter Inch	mm			H	B	A	Bar	psi
12396-10-30	5/8"	16	M30 x 2	20	^	^	^	420	6091
12396-12-30	3/4"	19	M30 x 2	20	36	59	54	420	6091
12396-12-36	3/4"	19	M36 x 2	25	46	59	54	420	6091
12396-16-36	1"	25.4	M36 x 2	25	48	75	70.5	414	6004
12396-16-42	1"	25.4	M42 x 2	30	50	75	70.5	280	4061
12396-20-42	1-1/4"	31.8	M42 x 2	30	50	86	90.5	250	3626
12396-20-52	1-1/4"	31.8	M52 x 2	38	60	86	90.5	250	3626
12396-24-52	1-1/2"	38.1	M52 x 2	38	60	94	97.5	250	3626



INTERLOCK METRIC FEMALE 24 DEG CONE 45 DEG - S TYPE - 12346

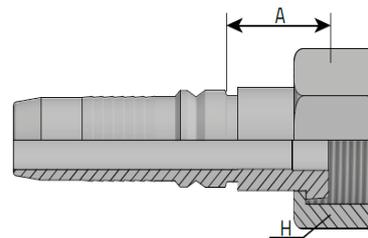
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T mm	D mm	H mm	B mm	A mm	Bar	psi
12346-10-30	5/8"	16	M30 x 2	20	^	^	^	420	6091
12346-12-30	3/4"	19	M30 x 2	20	36	27	61.5	420	6091
12346-12-36	3/4"	19	M36 x 2	25	46	28	67.5	420	6091
12346-16-36	1"	25.4	M36 x 2	25	46	38	86	414	6004
12346-16-42	1"	25.4	M42 x 2	30	50	38	86.5	280	4061
12346-20-42	1-1/4"	31.8	M42 x 2	30	50	35	103	250	3626
12346-20-52	1-1/4"	31.8	M52 x 2	38	60	35	103	250	3626
12346-24-52	1-1/2"	38.1	M52 x 2	38	60	45	117.5	250	3626

INTERLOCK ORFS FEMALE - 15216

AVAILABLE TO ORDER

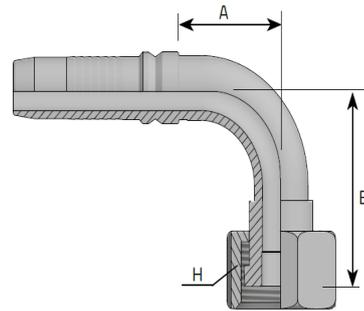


Code	Tube		Thread		Dimensions		Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	A mm	Bar	psi
15216-10-12	5/8"	16	1-3/16"	12	^	^	420	6091
15216-12-12	3/4"	19	1-3/16"	12	36	30.5	420	6091
15216-12-16	3/4"	19	1-7/16"	12	41	31.5	414	6004
15216-16-16	1"	25.4	1-7/16"	12	41	32.5	414	6004
15216-16-20	1"	25.4	1-11/16"	12	^	^	^	^
15216-20-20	1-1/4"	31.8	1-11/16"	12	50	34	250	3626



INTERLOCK ORFS FEMALE 90 DEG ELBOW - 15296

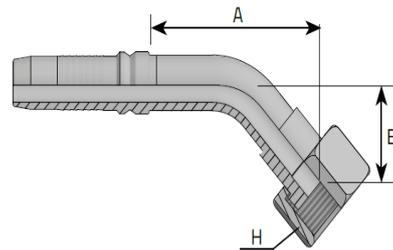
AVAILABLE TO ORDER



Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15296-10-12	5/8"	16	1-3/16"	12	^	^	^	^	^
15296-12-12	3/4"	19	1-3/16"	12	36	49	53.5	420	6091
15296-12-16	3/4"	19	1-7/16"	12	41	54	54	410	5946
15296-16-16	1"	25.4	1-7/16"	12	41	59.5	71.5	410	5946
15296-16-20	1"	25.4	1-11/16"	12	^	^	^	^	^
15296-20-20	1-1/4"	31.8	1-11/16"	12	50	75.5	88.5	250	3626

INTERLOCK ORFS FEMALE 45 DEG ELBOW - 15246

AVAILABLE TO ORDER

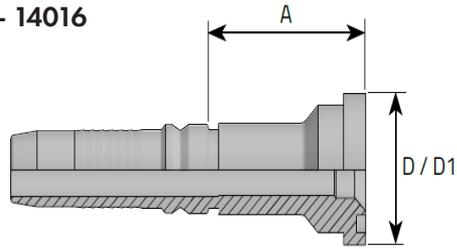


Code	Tube		Thread		Dimensions			Pressure	
	Hose Diameter Inch	mm	T Inch	t/1"	H mm	B mm	A mm	Bar	psi
15246-10-12	5/8"	16	1-3/16"	12	^	^	^	^	^
15246-12-12	3/4"	19	1-3/16"	12	36	23	55.5	420	6091
15246-12-16	3/4"	19	1-7/16"	12	41	27	60	410	5946
15246-16-16	1"	25.4	1-7/16"	12	41	26	78.5	410	5946
15246-16-20	1"	25.4	1-11/16"	12	^	^	^	^	^
15246-20-20	1-1/4"	31.8	1-11/16"	12	50	34	91.5	250	3626



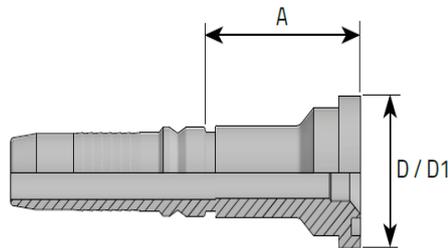
INTERLOCK FLANGE CODE 61 - 3000 PSI - 14016

AVAILABLE TO ORDER



Code	Tube		Dimensions			Pressure	
	Hose Diameter		D	D1	A	Bar	psi
	Inch	mm	Inch	mm	mm		
14016-12-12	3/4"	19	3/4"	38.1	56.7	420	6091
14016-12-16	3/4"	19	1"	44.5	48.7	420	6091
14016-16-12	1"	25.4	3/4"	38.1	47.6	415	6019
14016-16-16	1"	25.4	1"	44.5	47.6	415	6019
14016-16-20	1"	25.4	1-1/4"	50.8	64.6	415	6019
14016-20-20	1-1/4"	31.8	1-1/4"	50.8	68.7	250	3626
14016-20-24	1-1/4"	31.8	1-1/2"	60.3	78.7	250	3626
14016-24-24	1-1/2"	38.1	1-1/2"	60.3	68.5	200	2901
14016-24-32	1-1/2"	38.1	2"	71.4	70.5	200	2901
14016-32-32	2"	50.8	2"	71.4	70.5	200	2901

INTERLOCK FLANGE CODE 61 - 3000 PSI - 90 DEG ELBOW - 14096

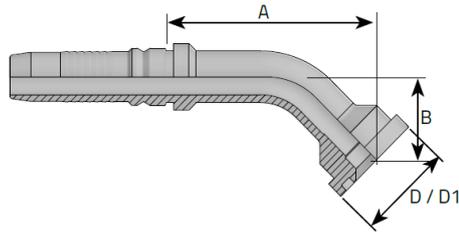


Code	Tube		Dimensions				Pressure	
	Hose Diameter		D	D1	B	A	Bar	psi
	Inch	mm	Inch	mm	mm	mm		
14096-12-12	3/4"	19	3/4"	38.1	58	54.7	420	6091
14096-12-16	3/4"	19	1"	44.5	62	54.7	420	6091
14096-16-12	1"	25.4	3/4"	38.1	60	74.6	415	6019
14096-16-16	1"	25.4	1"	44.5	68	70.6	415	6019
14096-16-20	1"	25.4	1-1/4"	50.8	70	74.6	415	6019
14096-20-20	1-1/4"	31.8	1-1/4"	50.8	87	87.7	250	3626
14096-20-24	1-1/4"	31.8	1-1/2"	60.3	88	87.7	250	3626
14096-24-24	1-1/2"	38.1	1-1/2"	60.3	102	99.5	200	2901
14096-24-32	1-1/2"	38.1	2"	71.4	118	99.5	200	2901
14096-32-32	2"	50.8	2"	71.4	12	144	200	2901



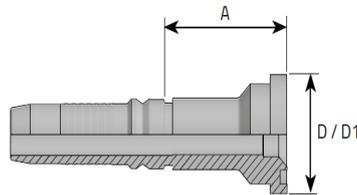
INTERLOCK FLANGE CODE 61 - 3000 PSI - 45 DEG ELBOW 14046

AVAILABLE TO ORDER



Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14046-12-12	3/4"	19	3/4"	38.1	32	64.7	420	6091
14046-12-16	3/4"	19	1"	44.5	35	67.7	420	6091
14046-16-12	1"	25.4	3/4"	38.1	35	80.6	415	6019
14046-16-16	1"	25.4	1"	44.5	32	83.6	415	6019
14046-16-20	1"	25.4	1-1/4"	50.8	36	87.6	415	6019
14046-20-20	1-1/4"	31.8	1-1/4"	50.8	43	98.7	250	3626
14046-20-24	1-1/4"	31.8	1-1/2"	60.3	44	99.7	250	3626
14046-24-24	1-1/2"	38.1	1-1/2"	60.3	41	110.5	200	2901
14046-24-32	1-1/2"	38.1	2"	71.4	52	121.5	200	2901
14046-32-32	2"	50.8	2"	71.4	59	148	200	2901

INTERLOCK FLANGE CODE 62 - 6000 PSI - 14116

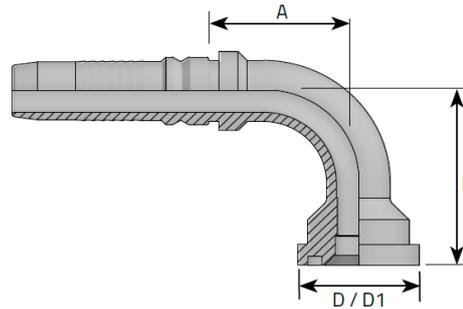


Code	Tube		Dimensions			Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	A mm	Bar	psi
14116-12-12	3/4"	19	3/4"	41.3	50	420	6091
14116-12-16	3/4"	19	1"	47.6	61.7	420	6091
14116-16-16	1"	25.4	1"	47.6	63.6	420	6091
14116-16-20	1"	25.4	1-1/4"	54	68.6	420	6091
14116-20-20	1-1/4"	31.8	1-1/4"	54	68.7	420	6091
14116-20-24	1-1/4"	31.8	1-1/2"	63.5	76.7	420	6091
14116-24-24	1-1/2"	38.1	1-1/2"	63.5	76.5	420	6091
14116-24-32	1-1/2"	38.1	2"	79.4	70.5	420	6091
14116-32-32	2"	50.8	2"	79.4	73	420	6091



INTERLOCK FLANGE CODE 62 - 6000 PSI - 90 DEG ELBOW - 14196

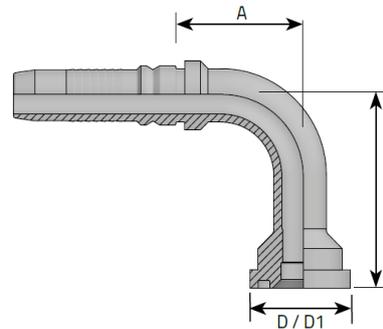
AVAILABLE TO ORDER



Code	Tube		Dimensions				Pressure	
	Hose Diameter	D	D1	B	A	Bar	psi	
	Inch	mm	Inch	mm	mm	mm		
14196-12-12	3/4"	19	3/4"	41.3	62	54.7	420	6091
14196-12-16	3/4"	19	1"	47.6	67	54.7	420	6091
14196-16-12	1"	25.4	3/4"	41.3	64	74.6	415	6019
14196-16-16	1"	25.4	1"	47.6	69	70.6	415	6019
14196-16-20	1"	25.4	1-1/4"	54	76	74.6	415	6019
14196-20-20	1-1/4"	31.8	1-1/4"	54	93	87.7	415	6019
14196-20-24	1-1/4"	31.8	1-1/2"	63.5	97	87.7	415	6019
14196-24-24	1-1/2"	38.1	1-1/2"	63.5	111	99.5	345	5004
14196-24-32	1-1/2"	38.1	2"	79.4	128	110	345	5004
14196-32-32	2"	50.8	2"	79.4	128	144	345	5004

INTERLOCK FLANGE CODE 62 - 6000 PSI - 90 DEG ELBOW (LONG DROP) - 14196E

AVAILABLE TO ORDER

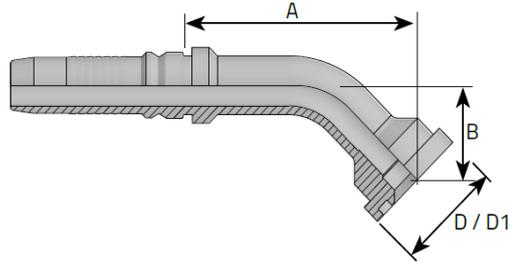


Code	Tube		Dimensions				Pressure	
	Hose Diameter	D	D1	B	A	Bar	psi	
	Inch	mm	Inch	mm	mm	mm		
14196-12-12E	3/4"	19	3/4"	41.3	100	54.7	420	6091
14196-12-16E	3/4"	19	1"	47.6	137	54.7	420	6091
14196-16-16E	1"	25.4	1"	47.6	120	70.6	415	6019
14196-20-20E	1-1/4"	31.8	1-1/4"	54	115	87.7	415	6019
14196-24-24E	1-1/2"	38.1	1-1/2"	63.5	135	95	415	6019



INTERLOCK FLANGE CODE 62 - 6000 PSI - 45 DEG ELBOW - 14146

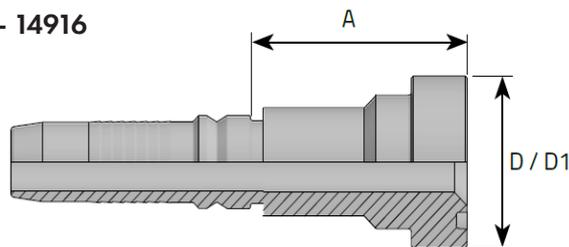
AVAILABLE TO ORDER



Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14146-12-12	3/4"	19	3/4"	41.3	35	67.7	420	6091
14146-12-16	3/4"	19	1"	47.6	39	71.7	420	6091
14146-16-12	1"	25.4	3/4"	41.3	32	83.6	415	6019
14146-16-16	1"	25.4	1"	47.6	35	86.6	415	6019
14146-16-20	1"	25.4	1-1/4"	54	40	91.6	415	6019
14146-20-20	1-1/4"	31.8	1-1/4"	54	47	102.7	415	6019
14146-20-24	1-1/4"	31.8	1-1/2"	63.5	50	105.7	415	6019
14146-24-24	1-1/2"	31.8	1-1/2"	63.5	47	116.5	345	5004
14146-24-32	1-1/2"	38.1	2"	79.4	64	145	345	5005
14146-32-32	2"	50.8	2"	79.4	64	153	345	5004

INTERLOCK SUPERCAT FLANGE - 14916

AVAILABLE TO ORDER

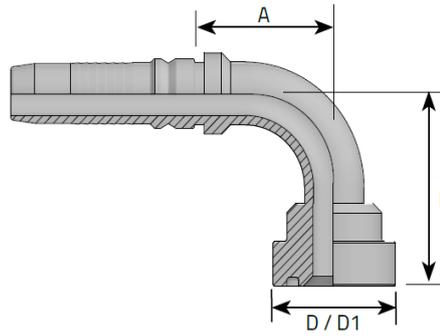


Code	Tube		Dimensions			Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	A mm	Bar	psi
14916-12-12	3/4"	19	3/4"	41.3	55.7	420	6091
14916-12-16	3/4"	19	1"	47.6	67.7	420	6091
14916-16-16	1"	25.4	1"	47.6	69.6	420	6091
14916-16-20	1"	25.4	1-1/4"	54	72.6	420	6091
14916-20-20	1-1/4"	31.8	1-1/4"	54	69.7	420	6091
14916-20-24	1-1/4"	31.8	1-1/2"	63.5	78.7	420	6091
14916-24-24	1-1/2"	38.1	1-1/2"	63.5	78.5	420	6091



INTERLOCK SUPERCAT FLANGE 90 DEG - 14996

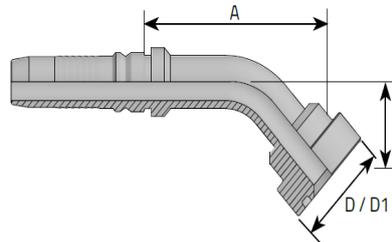
AVAILABLE TO ORDER



Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14996-12-12	3/4"	19	3/4"	41.3	67	54.7	420	6091
14996-12-16	3/4"	19	1"	47.6	73	54.7	420	6091
14996-16-16	1"	25.4	1"	47.6	75	70.6	415	6019
14996-16-20	1"	25.4	1-1/4"	54	80	74.6	415	6019
14996-20-20	1-1/4"	31.8	1-1/4"	54	97	87.7	415	6019
14996-20-24	1-1/4"	31.8	1-1/2"	63.5	99	87.7	415	6019
14996-24-24	1-1/2"	38.1	1-1/2"	63.5	113	99.5	345	5004

INTERLOCK SUPERCAT FLANGE 45 DEG - 14946

AVAILABLE TO ORDER



Code	Tube		Dimensions				Pressure	
	Hose Diameter Inch	mm	D Inch	D1 mm	B mm	A mm	Bar	psi
14946-12-12	3/4"	19	3/4"	41.3	39	71.7	420	6091
14946-12-16	3/4"	19	1"	47.6	43	75.7	420	6091
14946-16-16	1"	25.4	1"	47.6	40	91.6	415	6019
14946-16-20	1"	25.4	1-1/4"	54	43	94.6	415	6019
14946-20-20	1-1/4"	31.8	1-1/4"	54	50	105.7	415	6019
14946-20-24	1-1/4"	31.8	1-1/2"	63.5	51	106.7	415	6019
14946-24-24	1-1/2"	38.1	1-1/2"	63.5	49	118.5	345	5004



STEEL PRESSURE GAUGES

**Dia. 63mm • Glycerin filled
1/4" BSP**

Bottom & rear connection

Type:

Stem mounting lower connection

Pressures	Ehrco Part Ref:
0 - 60 bar	6103A1000E
0 - 120 bar	6103A1500E
0 - 200 bar	6103A3000E
0 - 250 bar	6103A4000E
0 - 400 bar	6103A6000E

Type:

Stem mounting back connection

Pressures	Ehrco Part Ref:
0 - 60 bar	6103D1000E
0 - 120 bar	6103D2000E
0 - 200 bar	6103D3000E
0 - 250 bar	6103D4000E
0 - 400 bar	6103D6000E



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STAINLESS STEEL PRESSURE GAUGES

**Dia. 63mm • Glycerin filled
1/4" BSP**

Bottom & rear connection

Type:

Stem mounting lower connection

Pressures	Ehrco Part Ref:
0 - 60 bar	618A1000DINE
0 - 120 bar	618A2000DINE
0 - 200 bar	618A3000DINE
0 - 250 bar	618A4000DINE
0 - 400 bar	618A6000DINE

Type:

Stem mounting back connection

Pressures	Ehrco Part Ref:
0 - 60 bar	618D1000B
0 - 120 bar	618D2000B
0 - 200 bar	618D3000B
0 - 250 bar	618D4000B
0 - 400 bar	618D6000B

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