

PTFE Hose – SS Fitting Solutions EU

Fluid Transfer Systems



Your Flexible PTFE Hose Partner

Version: 1.0 February 2018

Introduction

KONGSBERG AUTOMOTIVE GLOBAL PTFE FITTINGS AND FERRULES

The new KA Global range of Stainless Steel (SS) fittings and ferrules have been released to enhance the current range of KA high performance hoses. The new Global SS range of PTFE hose fittings and ferrules have been fully tested and validated in our Automotive test laboratories with selected KA hoses at temperatures up to 204°C (400°F). As higher working temperatures are one of the many benefits of selecting and using PTFE hoses, KA can now offer a proven hose / fitting / ferrule combination for use towards the upper temperature limits of PTFE hose.

Our validation process proves that KA hose and the new KA Global SS range of fittings and ferrules exceeds the published minimum burst pressures and in addition exceeds 150 000 impulse cycles. These tests have been carried out according to SAE J517 100R14 requirements at room temperature and also more importantly at the elevated 204°C (400°F) temperature.

Proven performance at elevated temperatures up to 204°C (400°F) now allows the correct PTFE hose assembly to be selected and assembled resulting in reduced maintenance and running costs. A significant range of AISI 316L stainless steel terminations are available to support the Global reach of the new fittings and ferrules.

The more common termination types and sizes are detailed in this catalogue but other variations are available upon request.

The hose fittings within this catalogue can be used with standard rubber hose when used in conjunction with the appropriate ferrule.

To support the new Global SS fitting and ferrule range, a comprehensive range of Crimp Data has been compiled and is available on our dedicated website www.kahose.com. This Crimp Data provides all of the required information to allow a PTFE hose to be assembled and when done correctly will meet the published working and burst pressures as well as 150 000 impulse cycle criteria at room temperature and at elevated 204°C (400°F) temperatures.

“Live” crimp data is available from the kahose.com website



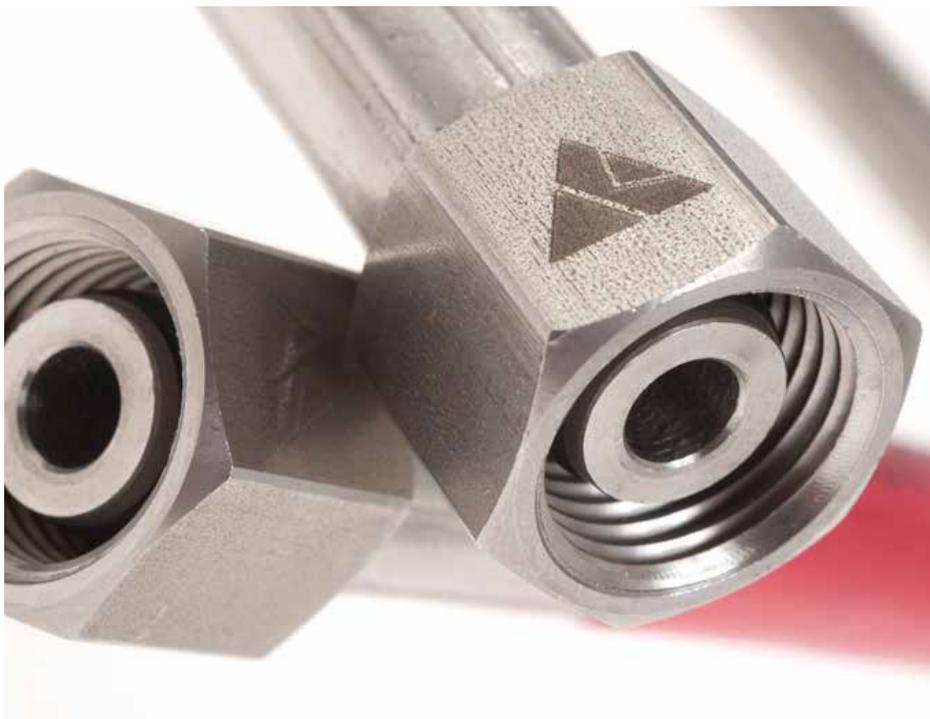
CONTENTS

FITTING SOLUTION

Ferrules for Convuluted hose	p. 04
Ferrules for Smooth Bore hose	p. 05
BSP Fitting Range	p. 06
NPT Fitting Range	p. 10
JIC Fitting Range	p. 11
Metric Fitting Range	p. 14
SAE ORFS Fitting Range	p. 17

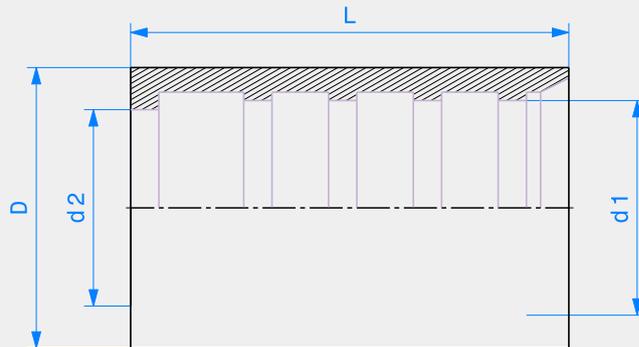
FERRULE SELECTION GUIDE

Smooth Bore Hose SAE 100R14 Range	p. 20
Easyflex [®]	p. 21



Stainless Steel Ferrules

For Convoluted hose



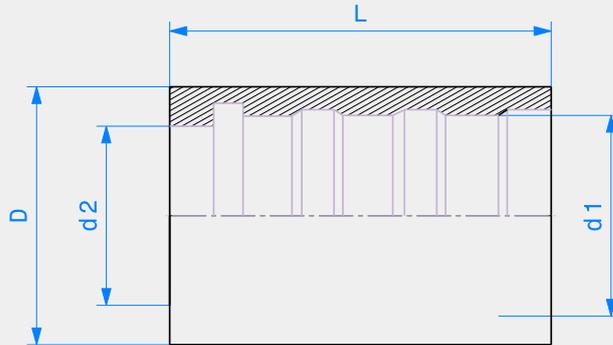
Convoluted Ferrules 316 Stainless Steel*

Hose	KA Part Number	L mm	OD D mm	ID d1 mm	ID d2 mm
1/4"	01-907-04-04-50	30	17,5	14	12,7
3/8"	01-907-06-06-50	30	21,5	17,8	15,5
1/2"	01-907-08-08-50	33	25	21	18,6
5/8"	01-907-10-10-50	36	29	24,7	22
3/4"	01-907-12-12-50	40	32	28	25,2
1"	01-907-16-16-50	50	40	34,8	33
1.1/4"	01-907-20-20-50	59	46	42	39,6
1,1/2"	01-907-24-24-50	63	55	49	44,3
2"	01-907-32-32-50	70	69	63	60

* For use on KA Easyflex TCEV range of hoses only

PTFE Stainless Steel Ferrules

For Smooth Bore hose



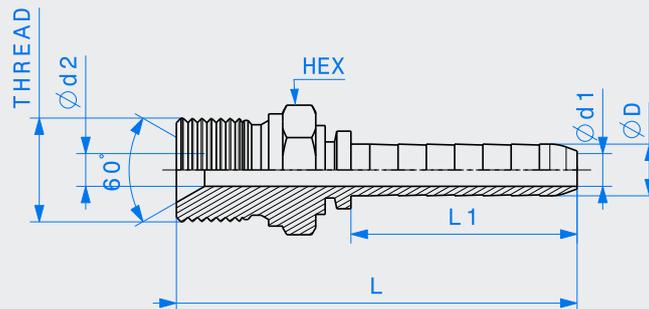
Smooth Bore Ferrules 316 Stainless Steel* *

Hose	KA Part Number	L mm	OD D mm	ID d1 mm	ID d2 mm
3/16"	01-905-03-03-50	26	14	10	9,8
1/4"	01-905-04-04-50	30	15	11	10,7
5/16"	01-905-05-05-50	30	17	13,5	12,8
3/8"	01-905-06-06-50	32	18	14,5	14
1/2"	01-905-08-08-50	32	24	19,3	18,6
5/8"	01-905-10-10-50	36	28	22	21,5
3/4"	01-905-12-12-50	40	30	24,9	24,4
1"	01-905-16-16-50	50	36	30,3	30,3

** For use on KA TSRV range of hoses only

BSP Stainless Steel Fittings

BSP Male Straight Parallel Fittings for Smooth Bore & Convoluted hose

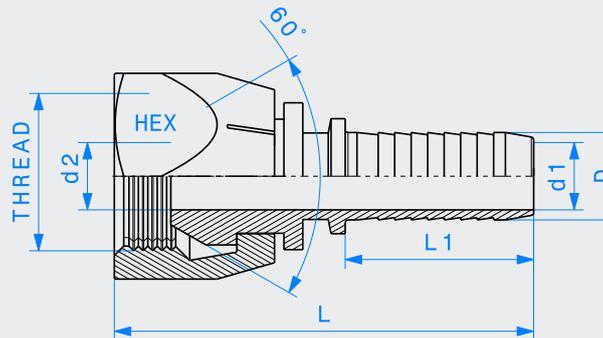


BSP 60° Male Straight Fixed 316 Stainless Steel

Hose D	Part Number	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	04-923-04-03-50	1/4"	47,5	24	17	3	4
1/4"	04-923-02-04-50	1/8"	47	28	14	4	2
1/4"	04-923-04-04-50	1/4"	52	28	19	4	4
1/4"	04-923-06-04-50	3/8"	55,5	28	22	4	7
5/16"	04-923-06-05-50	3/8"	55,8	28	22	5,5	7
3/8"	04-923-04-06-50	1/4"	54	29,5	19	7	4
3/8"	04-923-06-06-50	3/8"	57,5	29,5	22	7	7
3/8"	04-923-08-06-50	1/2"	61,5	29,5	27	7	9,5
1/2"	04-923-08-08-50	1/2"	63	30,5	27	9,5	9,5
5/8"	04-923-10-10-50	5/8"	68,1	34	30	12	12
5/8"	04-923-12-10-50	3/4"	68,1	34	32	12	15
3/4"	04-923-12-12-50	3/4"	74,5	39	32	15	15
3/4"	04-923-16-12-50	1"	79,5	39	41	15	19
1"	04-923-16-16-50	1"	87,5	47	41	19	19
1"	04-923-20-16-50	1.1/4"	75,5	47	41	19	26
1.1/4"	04-923-20-20-50	1.1/4"	84,5	54,5	50	26	26
1.1/4"	04-923-24-20-50	1.1/2"	104	54	55	26	32
1.1/2"	04-923-24-24-50	1.1/2"	106	58	55	32	32
2"	04-923-32-32-50	2"	124	72	65	44	44

BSP Stainless Steel Fittings

BSP Female Straight Fittings for Smooth Bore & Convuluted hose



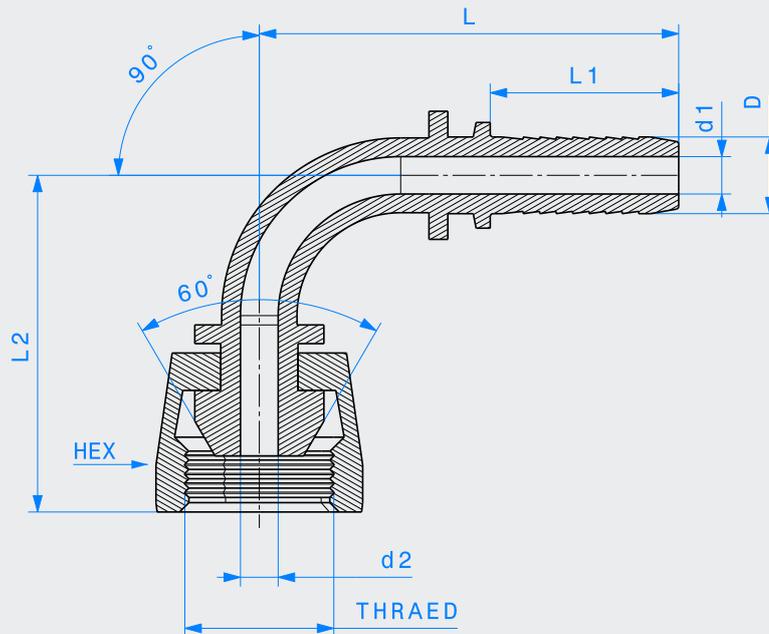
BSP 60° Female Straight Swivel 316 Stainless Steel

Hose D	Part Number	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	05-923-02-03-50	1/8"	38	24	14	3	2
3/16"	05-923-04-03-50	1/4"	39,5	24	19	3	4
1/4"	05-923-02-04-50	1/8"	42,5	28	14	4	2
1/4"	05-923-04-04-50	1/4"	55	28	19	4	4
1/4"	05-923-06-04-50	3/8"	45,5	28	22	4	7
5/16"	05-923-04-05-50	1/4"	44,3	28	19	5,5	4
5/16"	05-923-06-05-50	3/8"	45,8	28	22	5,5	5,5
3/8"	05-923-04-06-50	1/4"	46	29,5	19	7	4
3/8"	05-923-06-06-50	3/8"	47,5	29,5	22	7	7
3/8"	05-923-08-06-50	1/2"	49,5	29,5	27	7	7
1/2"	05-923-06-08-50	3/8"	49	30,5	22	9,5	7
1/2"	05-923-08-08-50	1/2"	51	30,5	27	9,5	9,5
1/2"	05-923-10-08-50	5/8"	51	30,5	30	9,5	12
1/2"	05-923-12-08-50	3/4"	53,5	30,5	32	9,5	15
5/8"	05-923-08-10-50	1/2"	54,8	34	27	12	9,5
5/8"	05-923-10-10-50	5/8"	54,8	34	30	12	12
5/8"	05-923-12-10-50	3/4"	57,3	34	32	12	12
3/4"	05-923-12-12-50	3/4"	63,5	39	32	15	15
3/4"	05-923-16-12-50	1"	66,5	39	41	15	19
1"	05-923-16-16-50	1"	74,5	47	41	19	19
1.1/4" *	05-927-20-20-50	1.1/4"	84,5	54,5	50	26	26
1.1/2" *	05-927-24-24-50	1.1/2"	92	58	55	32	32
2" *	05-927-32-32-50	2"	103	72	70	44	44

*supplied with O ring

BSP Stainless Steel Fittings

BSP Female 90 Degree Fittings for Smooth Bore & Convuluted hose



BSP 60° Female Swept 90° Swivel 316 Stainless Steel

Hose D	KA Part Number	Thread	L mm	L1 mm	L2 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	05-924-04-03-50	1/4"	56	24	31,5	19	3	4
1/4"	05-924-04-04-50	1/4"	56	28	31,5	19	4	4
1/4"	05-924-06-04-50	3/8"	56	28	33	22	4	5
1/4"	05-924-08-04-50	1/2"	56	28	34	27	4	9,5
5/16"	05-924-04-05-50	1/4"	64	28	31,5	22	5	4
5/16"	05-924-06-05-50	3/8"	64	28	37	22	5,5	7
3/8"	05-924-62-06-50	3/8"	68	29,5	39	22	7	7
3/8"	05-924-08-06-50	1/2"	68	29,5	40	27	7	7
1/2"	05-924-08-08-50	1/2"	72	30,5	44	27	9,5	9,5
1/2"	05-924-12-08-50	3/4"	72	30,5	48	32	9,5	15
5/8"	05-924-10-10-50	5/8"	85	34	53	30	12	12
5/8"	05-924-12-10-50	3/4"	85	34	55	32	12	12
3/4"	05-924-12-12-50	3/4"	105	39	63	32	15	15
3/4"	05-924-16-12-50	1"	105	39	66,5	41	15	19
1"	05-924-16-16-50	1"	126	47	79,5	41	19	19
1.1/4" *	05-928-20-20-50	1.1/4"	153	54,5	94,5	50	26	26
1.1/2" *	05-928-24-24-50	1.1/2"	176	58	111,5	55	32	32
2" *	05-928-32-32-50	2"	212	72	139	70	44	44

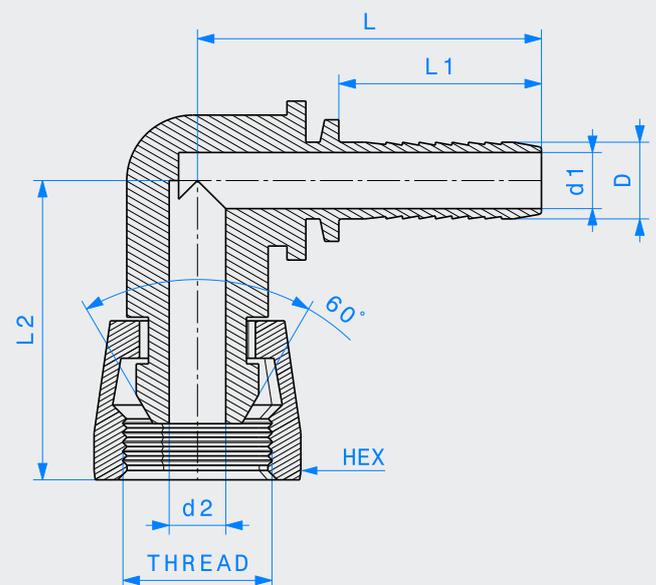
*supplied with O ring

BSP Stainless Steel Fittings

Female compact 90 Degrees Fittings for Smooth Bore & Convoluted hose

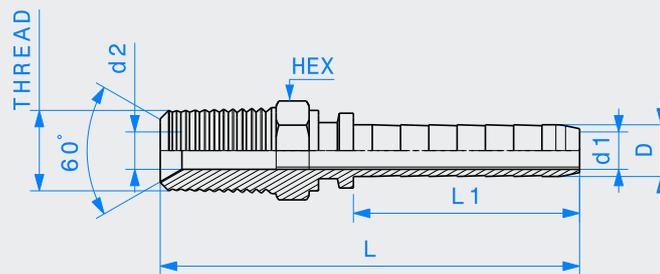
BSP 60° Female Compact 90° Swivel 316 Stainless Steel

Hose D	KA Part Number	Thread	L mm	L1 mm	L2 mm	AF HEX	Dia d1 mm	Dia d2 mm
1/4"	05-926-04-04-50	1/4"	41	28	25,5	19	4	4
3/8"	05-926-06-06-50	3/8"	49	29,5	26	22	7	7
1/2"	05-926-08-08-50	1/2"	56	30,5	32	27	9,5	9,5
3/4"	05-926-12-12-50	3/4"	65,5	39	37,5	32	15	15
1"	05-926-16-16-50	1"	76,2	47	40,5	41	19	19



NPT Stainless Steel Fittings

Male Straight Fittings for Smooth Bore & Convuluted hose

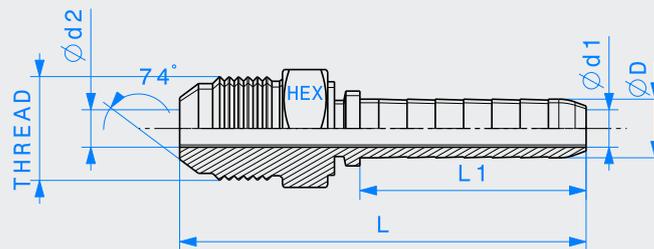


NPT Male Straight Fixed 316 Stainless Steel

Hose D	Part Number	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	04-911-02-03-50	1/8"	45	24	14	3	4
3/16"	04-911-04-03-50	1/4"	49,5	24	14	3	6
1/4"	04-911-02-04-50	1/8"	49,5	28	14	4	4
1/4"	04-911-04-04-50	1/4"	54	28	17	4	4
1/4"	04-911-06-04-50	3/8"	55,5	28	19	4	7
5/16"	04-911-04-05-50	1/4"	54,3	28	17	5,5	5,5
5/16"	04-911-06-05-50	3/8"	55,8	28	19	5,5	9
3/8"	04-911-04-06-50	1/4"	56	29,5	17	7	7
3/8"	04-911-06-06-50	3/8"	57,5	29,5	19	7	7
3/8"	04-911-08-06-50	1/2"	62	29,5	22	7	12
1/2"	04-911-06-08-50	3/8"	59	30,5	22	9,5	7
1/2"	04-911-08-08-50	1/2"	63,5	30,5	22	9,5	9,5
1/2"	04-911-12-08-50	3/4"	68,5	30,5	30	9,5	9,5
5/8"	04-911-08-10-50	1/2"	67,3	34	22	12	12
5/8"	04-911-12-10-50	3/4"	71,3	34	30	12	12
3/4"	04-911-12-12-50	3/4"	78,5	39	30	15	15
3/4"	04-911-16-12-50	1"	81	39	36	15	15
1"	04-911-16-16-50	1"	90	47	36	19	19
1"	04-911-20-16-50	1.1/4"	97	47	46	19	19
1.1/4"	04-911-20-20-50	1.1/4"	106	54,5	46	26	26
1.1/4"	04-911-24-20-50	1.1/2"	103	54,5	50	26	26
1.1/2"	04-911-24-24-50	1.1/2"	106,5	58	50	32	32
2"	04-911-32-32-50	2"	123,5	72	65	44	44

JIC Stainless Steel Fittings

Straight Male Fittings for Smooth Bore & Convuluted hose

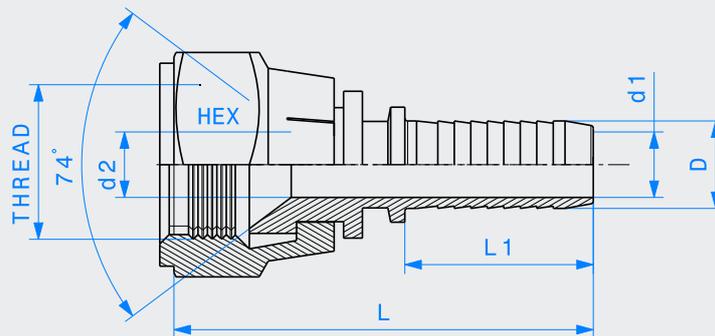


JIC Male Straight Fixed 316 Stainless Steel

Hose D	Part Number	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
1/4"	04-936-07-04-50	7/16" 20h UNF	53,5	28	14	4	4
1/4"	04-936-08-04-50	1/2" 20h UNF	54	28	14	4	4
1/4"	04-936-09-04-50	9/16" 18h UNF	53,6	28	19	4	4
1/4"	04-936-12-04-50	3/4" 16h UNF	59	28	22	4	9,5
5/16"	04-936-08-05-50	1/2" 20h UNF	54,3	28	17	5,5	5,5
5/16"	04-936-09-05-50	9/16" 18h UNF	53,9	28	19	5,5	4
3/8"	04-936-09-06-50	9/16" 18h UNF	55,6	29,5	19	7	4
3/8"	04-936-12-06-50	3/4" 16h UNF	61	29,5	22	7	9,5
3/8"	04-936-14-06-50	7/8" 14h UNF	65,3	29,5	24	7	12
1/2"	04-936-12-08-50	3/4" 16h UNF	62,5	30,5	22	9,5	9,5
1/2"	04-936-14-08-50	7/8" 14h UNF	64,8	30,5	24	9,5	12
5/8"	04-936-14-10-50	7/8" 14h UNF	68,5	34	24	12	12
5/8"	04-936-17-10-50	1.1/16" 12h UN	72,3	34	32	12	15
3/4"	04-936-17-12-50	1.1/16" 12h UN	78,5	39	32	15	15
3/4"	04-936-21-12-50	1.5/16" 12 UN	80,5	39	41	15	15
1"	04-936-17-16-50	1.1/16" 12h UN	86,5	47	32	19	15
1"	04-936-21-16-50	1.5/16" 12 UN	88,5	47	41	19	27
1"	04-936-26-16-50	1.5/8" 12h UN	91,5	47	46	19	26
1.1/4"	04-936-26-20-50	1.5/8" 12h UN	100,5	54,5	46	26	26
1.1/2"	04-936-30-24-50	1.7/8" 12h UN	108	58	50	32	32
2"	04-936-40-32-50	2.1/2" 12 UN	131,5	72	70	44	44

JIC Stainless Steel Fittings

Straight Female Fittings for Smooth Bore & Convoluted hose

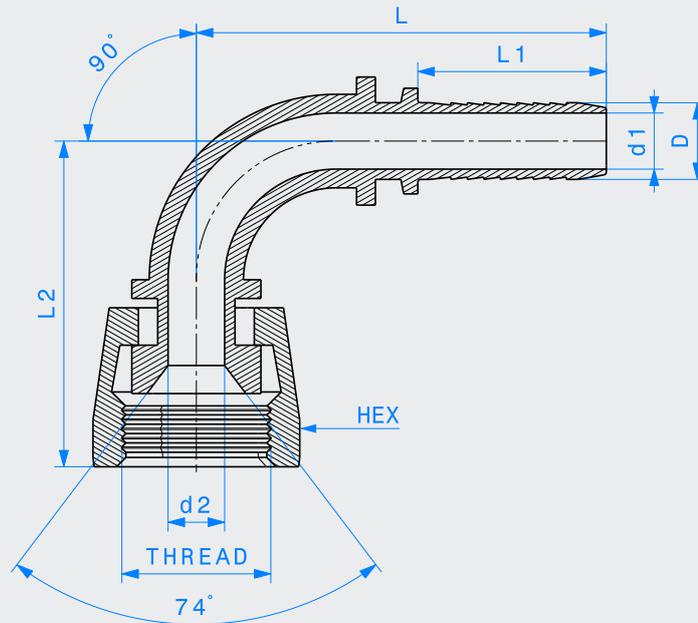


JIC Female Straight Swivel 316 Stainless Steel

Hose D	Part Number	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	05-920-07-03-50	7/16" 20h UNF	38,5	24	14	3	4
3/16"	05-920-08-03-50	1/2" 20h UNF	40	24	17	3	5
1/4"	05-920-07-04-50	7/16" 20h UNF	43,5	28	14	4	4
1/4"	05-920-08-04-50	1/2" 20h UNF	44,5	28	17	4	4
1/4"	05-920-09-04-50	9/16" 18h UNF	45	28	19	4	6
5/16"	05-920-08-05-50	1/2" 20h UNF	44,8	28	17	5,5	5,5
5/16"	05-920-09-05-50	9/16" 18h UNF	45,3	28	19	5,5	5,5
3/8"	05-920-09-06-50	9/16" 18h UNF	47	29,5	19	7	7
3/8"	05-920-12-06-50	3/4" 16h UNF	48,5	29,5	24	7	9
3/8"	05-920-14-06-50	7/8" 14h UNF	49,3	29,5	27	8,6	10
1/2"	05-920-12-08-50	3/4" 16h UNF	50	30,5	24	9,5	9,5
1/2"	05-920-14-08-50	7/8" 14h UNF	50,8	30,5	27	9,5	9,5
1/2"	05-920-17-08-50	1.1/16" 12h UN	52,5	30,5	32	9,5	15
5/8"	05-920-14-10-50	7/8" 14h UNF	54,6	34	27	12	12
5/8"	05-920-17-10-50	1.1/16" 12h UN	56,3	34	32	12	15
3/4"	05-920-17-12-50	1.1/16" 12h UN	62,5	39	32	15	15
3/4"	05-920-21-12-50	1.5/16" 12h UN	63,5	39	41	15	22
1"	05-920-17-16-54	1.1/16" 12h UN	70,5	47	32	19	15
1"	05-920-21-16-50	1.5/16" 12h UN	71,5	47	41	19	19
1"	05-920-26-16-50	1.5/8" 12h UN	74	47	50	19	26
1.1/4"	05-920-26-20-50	1.5/8" 12h UN	83	54,5	50	26	26
1.1/4"	05-920-30-20-50	1.7/8" 12h UN	85,5	54,5	55	26	36
1.1/2"	05-920-30-24-50	1.7/8" 12h UN	89	58	55	32	32
2"	05-920-40-32-50	2.1/2" 12 UN	102	72	70	44	44

JIC Stainless Steel Fitting

90 Degree Female Fittings for Smooth Bore & Convoluted hose

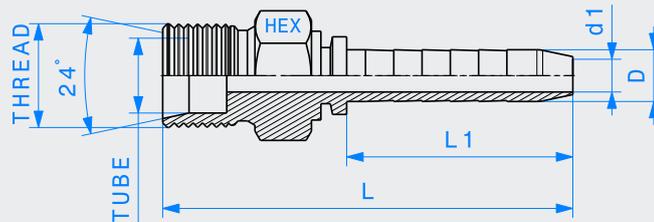


JIC Female 90 Degree Swivel 316 Stainless Steel

Hose D	KA Part Number	Thread	L mm	L1 mm	L2 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	05-921-07-03-50	7/16" 20h UNF	48	24	29	14	3	4
1/4"	05-921-07-04-50	7/16" 20h UNF	56	28	30,5	14	4	4
1/4"	05-921-08-04-50	1/2" 20h UNF	56	28	31,5	17	4	4
1/4"	05-921-09-04-50	9/16" 18h UNF	56	28	32	19	4	6
5/16"	05-921-08-08-50	1/2" 20h UNF	64	28	35,5	17	5,5	5,5
5/16"	05-921-09-05-50	9/16" 18h UNF	64	28	36	19	5,5	5,5
3/8"	05-921-09-06-50	9/16" 18h UNF	68	29,5	38	19	7	6
3/8"	05-921-12-06-50	3/4" 16h UNF	68	29,5	40	24	7	9
3/8"	05-921-14-06-50	7/8" 14h UNF	68	29,5	40,3	27	7	10
1/2"	05-921-12-08-50	3/4" 16h UNF	72	30,5	44	24	9,5	9,5
1/2"	05-921-14-08-50	7/8" 14h UNF	72	30,5	45,5	27	9,5	9,5
5/8"	05-921-14-10-50	7/8" 14h UNF	85	34	52,5	27	12	12
5/8"	05-921-17-10-50	1.1/16" 12h UN	85	34	52,7	32	12	15
3/4"	05-921-17-12-50	1.1/16" 12h UN	105	39	62	32	15	15
3/4"	05-921-21-12-50	1.5/16" 12h UN	117,4	39	75,8	41	15	22
1"	05-921-21-16-50	1.5/16" 12h UN	126	47	76	41	19	19
1"	05-921-26-16-50	1.5/8" 12h UN	120,3	47	81,2	50	19	26
1.1/4"	05-921-26-20-50	1.5/8" 12h UN	160	54,5	95	50	26	26
1.1/4"	05-921-30-20-50	1.7/8" 12h UN	152	54,5	95	55	26	36
1.1/2"	05-921-30-24-50	1.7/8" 12h UN	162,7	58	110,6	55	32	32
2"	05-921-40-32-50	2.1/2" 12 UN	207	72	141	70	44	44

Metric 24° O Ring Stainless Steel Fittings

O Ring Male Straight Fittings for Smooth Bore & Convuluted hose

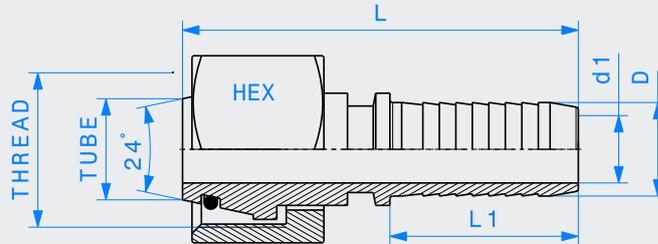


Metric 24° O Ring Male Straight Fixed 316 Stainless Steel

Hose D	KA Part Number	Tube	Series	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
1/4"	04-931-12-04-50	6	L	M12 x1,5	47,5	28	12	4	4
1/4"	04-931-14-04-50	8	L	M14 x1,5	49	28	17	4	4
1/4"	04-931-16-04-50	10	L	M16 x1,5	52	28	17	4	4
1/4"	04-931-18-04-50	12	L	M18 x1,5	53	28	19	4	4
5/16"	04-931-16-05-50	10	L	M16 x1,5	52,3	28	17	5,5	5,5
5/16"	04-931-18-05-50	12	L	M18 x1,5	53,5	28	19	5,5	5,5
3/8"	04-931-16-06-50	10	L	M16 x1,5	54	29,5	17	7	7
3/8"	04-931-18-06-50	12	L	M18 x1,5	55	29,5	19	7	7
3/8"	04-931-22-06-50	15	L	M22 x 1,5	54	29,5	24	7	7
1/2"	04-931-22-08-50	15	L	M22 x 1,5	55,5	30,5	24	9,5	9,5
1/2"	04-931-26-08-50	18	L	M26 x 1,5	57,5	30,5	27	9,5	9,5
5/8"	04-931-26-10-50	18	L	M26 x 1,5	61,3	34	27	12	12
3/4"	04-931-30-12-50	22	L	M30 x 2	69	39	32	15	15
1"	04-931-36-16-50	28	L	M36 x 2	78	47	41	19	19
1.1/4"	04-931-45-20-50	35	L	M45 x 2	91	54,5	46	26	26
1.1/2"	04-931-52-24-50	42	L	M52 x 2	95,5	37,5	55	32	32
1/4"	04-933-14-04-50	6	S	M14 x1,5	51	28	14	4	4
1/4"	04-933-16-04-50	8	S	M16 x1,5	52	28	17	4	4
1/4"	04-933-18-04-50	10	S	M18 x1,5	52	28	17	4	4
5/16"	04-933-18-05-50	10	S	M18 x1,5	52,3	28	17	5,5	5,5
5/16"	04-933-20-05-50	12	S	M20 x 1,5	58,3	28	22	5,5	5,5
3/8"	04-933-18-06-50	10	S	M18 x1,5	54	29,5	17	7	7
3/8"	04-933-20-06-50	12	S	M20 x 1,5	60	29,5	22	7	7
3/8"	04-933-22-06-50	14	S	M22 x 1,5	59,5	29,5	24	7	7
1/2"	04-933-22-08-50	14	S	M22 x 1,5	61	30,5	24	9,5	9,5
1/2"	04-933-24-08-50	16	S	M24 x 1,5	61,5	30,5	27	9,5	9,5
3/4"	04-933-30-12-50	20	S	M30 x 2	75,5	39	39	15	15
3/4"	04-933-36-12-50	25	S	M36 x 2	79	39	39	15	15
1"	04-933-36-16-50	25	S	M36 x 2	87	47	47	19	19
1"	04-933-42-16-50	30	S	M42 x 2	90	47	47	19	19
1.1/4"	04-933-52-20-50	38	S	M52 x 2	101	54,5	54,5	26	26

Metric 24° O Ring Stainless Steel Fittings

O Ring Female Straight for Smooth Bore & Convuluted hose

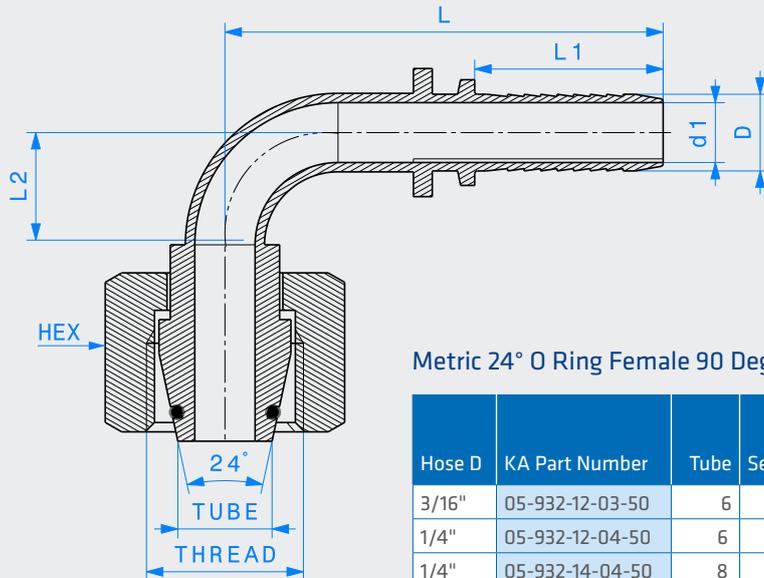


Metric 24° O Ring Female Straight Swivel 316 Stainless Steel

Hose D	KA Part Number	Tube	Series	Thread	L mm	L1 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	05-931-12-03-54	6	L	M12 x1,5	46,5	24	14	3	3
1/4"	05-931-12-04-54	6	L	M12 x1,5	42	28	14	3	3
1/4"	05-931-14-04-54	8	L	M14 x1,5	51	28	17	4	4
1/4"	05-931-16-04-54	10	L	M16 x1,5	51,5	28	19	4	4
1/4"	05-931-18-04-54	12	L	M18 x1,5	52,5	28	22	4	7
5/16"	05-931-16-05-54	10	L	M16 x1,5	51,8	28	19	5,5	4
5/16"	05-931-18-05-54	12	L	M18 x1,5	52,5	28	22	5,5	7
3/8"	05-931-16-06-54	10	L	M16 x1,5	53,5	29,5	19	7	5,5
3/8"	05-931-18-06-54	12	L	M18 x1,5	54,5	29,5	22	7	7
3/8"	05-931-22-06-54	15	L	M22 x 1,5	57,5	29,5	27	7	9,5
3/8"	05-931-26-06-54	18	L	M26 x 1,5	59,5	29,5	32	7	9,5
1/2"	05-931-22-08-54	15	L	M22 x 1,5	58,5	30,5	27	9,5	9,5
1/2"	05-931-26-08-54	18	L	M26 x 1,5	61	30,5	32	9,5	9,5
5/8"	05-931-26-10-54	18	L	M26 x 1,5	64,8	34	32	12	9,5
3/4"	05-931-30-12-54	22	L	M30 x 2	73	39	36	15	15
1"	05-931-36-16-54	28	L	M36 x 2	80,5	47	41	19	19
1.1/4"	05-931-45-20-54	35	L	M45 x 2	92	54,5	50	26	26
1.1/2"	05-931-52-24-54	42	L	M52 x 2	96	58	60	32	32
2"	05-931-52-32-54	42	L	M52 x 2	109,5	72	60	44	36
1/4"	05-933-14-04-54	6	S	M14 x1,5	48	28	14	4	3
1/4"	05-933-16-04-54	8	S	M16 x1,5	53,5	28	19	4	4
1/4"	05-933-18-04-54	10	S	M18 x1,5	54,7	28	22	4	4
5/16"	05-933-18-05-54	10	S	M18 x1,5	55	28	22	5,5	4
5/16"	05-933-20-05-54	12	S	M20 x 1,5	54,4	28	24	5,5	7
3/8"	05-933-20-06-54	12	S	M20 x 1,5	56	29,5	24	7	7
3/8"	05-933-22-06-54	14	S	M22 x 1,5	59,5	29,5	17	7	7
1/2"	05-933-24-08-54	16	S	M24 x 1,5	60,5	30,5	30	9,5	7
1/2"	05-933-30-08-54	20	S	M30 x 2	64,5	30,5	36	9,5	15
5/8"	05-933-30-10-54	20	S	M30 x 2	71,3	34	36	12	15
3/4"	05-933-30-12-54	20	S	M30 x 2	77,5	39	36	15	15
3/4"	05-933-36-12-54	25	S	M36 x 2	79	39	46	15	19
1"	05-933-36-16-54	25	S	M36 x 2	86	47	46	19	19
1"	05-933-42-16-54	30	S	M42 x 2	95,5	47	50	19	19
1.1/4"	05-933-52-20-54	38	S	M52 x 2	101	54,5	60	26	26

Metric 24° O Ring Stainless Steel Fittings

O Ring Female 90 Degrees Fittings for Smooth Bore & Convuluted hose



Metric 24° O Ring Female 90 Degree Swivel 316 Stainless Steel

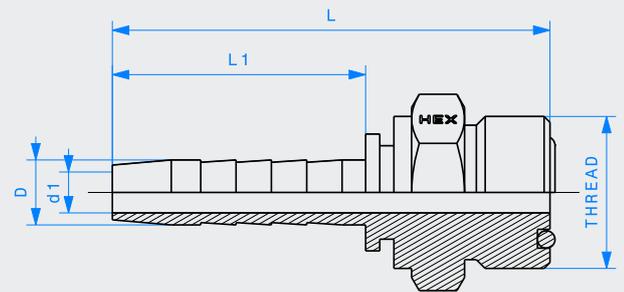
Hose D	KA Part Number	Tube	Series	Thread	L mm	L1 mm	L2 mm	AF HEX	Dia d1 mm	Dia d2 mm
3/16"	05-932-12-03-50	6	L	M12 x1,5	46,5	24	30	14	3	3
1/4"	05-932-12-04-50	6	L	M12 x1,5	51	28	30	14	4	4
1/4"	05-932-14-04-50	8	L	M14 x1,5	55	28	30,5	17	4	4
1/4"	05-932-16-04-50	10	L	M16 x1,5	56	28	30	14	4	4
1/4"	05-932-18-04-50	12	L	M18 x1,5	56	28	33	22	4	4
5/16"	05-932-16-05-50	10	L	M16 x1,5	55,8	28	31,5	19	5,5	5,5
5/16"	05-932-18-05-50	12	L	M18 x1,5	63	28	38	22	5,5	5,5
3/8"	05-932-16-06-50	10	L	M16 x1,5	60	29,5	40	19	7	7
3/8"	05-932-18-06-50	12	L	M18 x1,5	68	29,5	42	22	7	7
1/2"	05-932-22-08-50	15	L	M22 x 1,5	73	29,5	45	27	9,5	9,5
5/8"	05-932-26-10-50	18	L	M26 x 1,5	85	34	53,5	32	12	12
3/4"	05-932-30-12-50	22	L	M30 x 2	106	39	65	36	15	15
1"	05-932-36-16-50	28	L	M36 x 2	126	47	77	41	19	19
1.1/4"	05-932-45-20-50	35	L	M45 x 2	153	54,5	83	50	26	26
1.1/2"	05-932-52-24-50	42	L	M52 x 2	175,5	58	93,5	60	32	32
3/16"	05-932-14-03-50	6	S	M14 x1,5	50	24	35	14	3	3
1/4"	05-934-14-04-50	6	S	M14 x1,5	54	28	35	17	4	4
1/4"	05-934-16-04-50	8	S	M16 x1,5	54	28	33	19	4	4
1/4"	05-934-18-04-50	10	S	M18 x1,5	56	28	31	22	4	4
5/16"	05-934-20-05-50	12	S	M20 x 1,5	58	28	34	24	5,5	5,5
3/8"	05-934-20-06-50	12	S	M20 x 1,5	65	29,5	39	24	7	7
3/8"	05-934-22-06-50	14	S	M22 x 1,5	62	29,5	38,5	27	7	7
1/2"	05-934-24-08-50	16	S	M24 x 1,5	72,5	29,5	51,5	30	9,5	9,5
5/8"	05-934-30-10-50	20	S	M30 x 2	85	34	56	36	12	12
3/4"	05-934-30-12-50	20	S	M30 x 2	97	39	68	36	15	15
3/4"	05-934-36-12-50	25	S	M36 x 2	104	39	64,5	46	15	15
1"	05-934-36-16-50	25	S	M36 x 2	126	47	79,5	46	19	19
1.1/4"	05-934-52-20-50	38	S	M52 x 2	151,5	54,5	85	60	26	26

SAE ORFS Stainless Steel Fittings

ORFS Male Straight Fittings for Smooth Bore & Convoluted hose

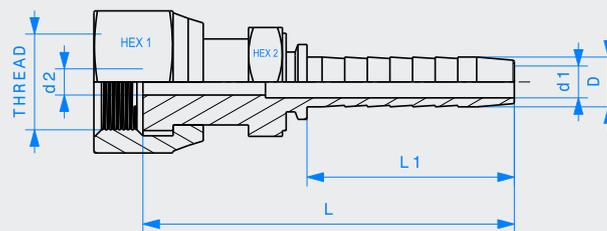
ORFS Male Straight Fixed 316 Stainless Steel

Hose D	KA Part Number	Thread	L mm	L1 mm	L2 mm	AF HEX	Dia d1 mm	Dia d2 mm
1/4"	04-950-09-04-50	9/16" -18	50,5	28	17	4	4	4
5/16"	04-950-11-05-50	11/16" - 16	53,8	28	19	5,5	5,5	7
3/8"	04-950-11-06-50	11/16" - 16	55,5	29,5	19	7	7	7
1/2"	04-950-13-08-50	13/16" - 16	59,5	30,5	22	9,5	9,5	7
5/8"	04-950-16-10-50	1" - 14	68	34	27	12	12	7
3/4"	04-950-19-12-50	1.3/16" - 12	78	39	32	15	15	7
1"	04-950-23-16-50	1.7/16" - 12	90,5	47	41	19	19	7
1.1/4"	04-950-27-20-50	1.11/16" - 12	101,5	44,5	46	26	26	7
1.1/2"	04-950-32-24-50	2" - 12	109	58	55	32	32	7



SAE ORFS Stainless Steel Fittings

ORFS Female Straight Fittings for Smooth Bore & Convuluted hose

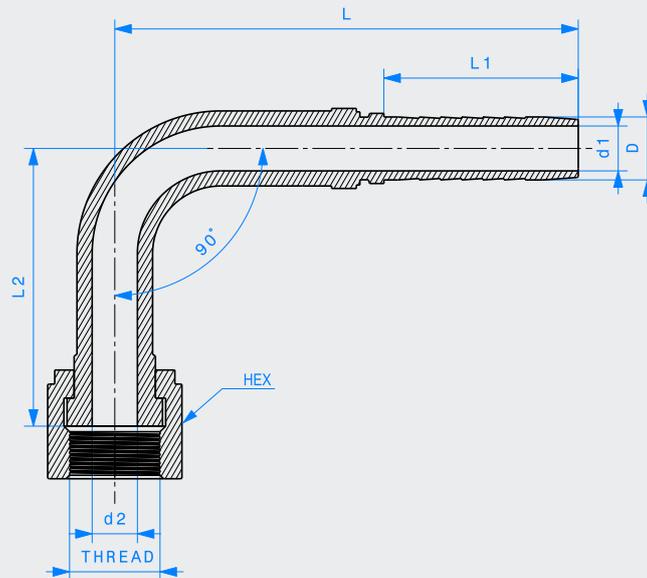


ORFS Female Straight Swivel 2x Hex 316 Stainless Steel

Hose D	KA Part Number	Thread	L mm	L1 mm	AF HEX 1	AF HEX	Dia d1 mm	Dia d2 mm	Dia d2 mm
1/4"	05-950-09-04-50	9/16" -18	58	28	19	14	4	4	4
1/4"	05-950-11-04-50	11/16" - 16	56	28	22	17	4	7	7
5/16"	05-950-11-05-50	11/16" - 16	56,5	28	22	17	5,5	5,5	7
3/8"	05-950-11-06-50	11/16" - 16	58	29,5	22	17	7	7	7
3/8"	05-950-13-06-50	13/16" - 16	63,5	29,5	24	19	7	7	7
1/2"	05-950-13-08-50	13/16" - 16	65	30,5	24	19	9,5	7,5	7
1/2"	05-950-16-08-50	1" - 14	68,5	30,5	30	24	9,5	7,5	7
5/8"	05-950-16-10-50	1" - 14	72,8	34	30	24	12	12	7
3/4"	05-950-19-12-50	1.3/16" - 12	81,5	39	36	27	15	15	7
3/4"	05-950-23-12-50	1.7/16" - 12	86	39	41	36	15	15	7
1"	05-950-23-16-50	1.7/16" - 12	94	47	41	36	19	19	7
1.1/4"	05-950-27-20-50	1.11/16" - 12	108	54,5	50	46	26	26	9,5
1.1/2"	05-950-32-24-50	2" - 12	110	58	55	50	32	32	15

SAE ORFS Stainless Steel Fittings

ORFS Female 90 Degree Fittings for Smooth Bore & Convuluted hose



ORFS Female 90 Degree Swivel 316 Stainless Steel

Hose D	KA Part Number	Thread	L mm	L1 mm	AF HEX 1	AF HEX 2	Dia d1 mm	Dia d2 mm	Dia d2 mm
1/4"	05-951-09-04-50	9/16" -18	53	28	33	19	4	4	4
1/4"	05-951-11-04-50	11/16" - 16	53	28	34	22	4	7	7
5/16"	05-951-11-05-50	11/16" - 16	59	28	40	22	5,5	5,5	7
3/8"	05-951-11-06-50	11/16" - 16	64	30	43	22	7	7	7
3/8"	05-951-13-06-50	13/16" - 16	63	30	39	24	7	7	7
1/2"	05-951-13-08-50	13/16" - 16	70	30,5	51	24	9,5	7,5	7
1/2"	05-951-16-08-50	1" - 14	70	30,5	55	30	9,5	7,5	7
5/8"	05-951-16-10-50	1" - 14	81	34	61	30	12	12	7
3/4"	05-951-19-12-50	1.3/16" - 12	97	39	61,5	41	15	15	7
3/4"	05-951-23-12-50	1.7/16" - 12	97	39	73,5	41	15	13	7
1"	05-951-23-16-50	1.7/16" - 12	116	47	78	50	19	19	7
1.1/4"	05-951-27-20-50	1.11/16" - 12	150,5	76	96	50	26	26	9,5
1.1/2"	05-951-32-24-50	2" - 12	175,5	86	117,5	50	32	32	15

Smooth Bore Hose SAE 100 R14 Range

Ferrule Selection guide

Kongsberg Automotive's SAE 100R14 range is a smoothbore PTFE lined hose that is made to meet or exceed the SAE 100R14 specification for pressure and 150 000 impulse cycles. This range is now available with a fully validated Global range of fittings and ferrules for improved service life and your added safety especially at elevated temperatures.

Outer Layer construction: High tensile 304 maypole wound Stainless Steel braid – for highly corrosive environments 316 Stainless Steel braid available upon request

Temperature range: Global fitting and ferrule range validated -40°C to +204°C

Applications: Used in stringent applications that need the protection of a hose that meets or exceeds SAE 100 R14 standard.

Other: Antistatic Carbon lined versions are available for the SAE 100 R14 range of hose for when electrically resistive fluids are being transferred at high flow rates or applications where static charge is generated.

Inner layer construction: Medium wall smoothbore PTFE tube - Kongsberg use only high quality materials that meet the requirements of ASTM D4895 Type 1, Grade 4, Class B or ASTM D4895 Type 1, Grade 3, Class D.

Part No:	Description	Tube Wall Thickness	Braid OD	Tolerance +/-	Hose ID	Tolerance +/-	Max Working Pressure	Min Burst Pressure	Approved KA 316 Stainless Steel Ferrule
TSRV4-9B01	Dash 4 SAE 100R14	0,76	7,7	0,5	4,93	0,35	207	827	01-905-03-03-50
TSRV6-5B01	Dash 5 SAE 100R14	0,76	9,19	0,5	6,45	0,4	181	724	01-905-04-04-50
TSRV7-9B01	Dash 6 SAE 100R14	0,76	11	0,6	7,95	0,45	172	690	01-905-05-05-50
TSRV9-5B01	Dash 7 SAE 100R14	0,76	12,7	0,6	9,52	0,45	155	621	01-905-06-06-50
TSRV10-5B01	Dash 8 SAE 100R14	0,76	13,6	0,7	10,46	0,5	138	552	01-905-06-06-50
TSRV12-8B01	Dash 10 SAE 100R14	0,76	16,08	0,7	12,8	0,5	103	414	01-905-08-08-50
TSRV15-9B01	Dash 12 SAE 100R14	0,76	19,38	0,75	15,88	0,6	86	345	01-905-10-10-50
TSRV19-0B01	Dash 14 SAE 100R14	0,76	22,22	0,8	19	0,6	76	303	01-905-12-12-50
TSRV25-4B01	Dash 18 SAE 100R14	1,10	29,75	1,2	25,4	0,8	62	248	01-905-16-16-50

When used in conjunction with KA approved hose, fittings and ferrule products exceeds minimum burst and exceeds 150 000 impulse cycles when tested against SAE J517 100R14 requirements at temperature at 204°C.

Easyflex®

Ferrule Selection guide

Kongsberg Automotive's Easyflex® range is a convoluted PTFE lined hose originally designed for easy assembly by re-sellers looking to extend their product portfolio. Easyflex® has a 'true' ID and eliminates the need to de-convolute the hose when using Kongsberg Automotive Global hydraulic inserts. Used in applications where constant flexing, high temperatures or chemical resistance is paramount, the Easyflex® hose offers a cost effective solution over the full service life of the hose.

Applications: Used globally in low to medium pressure premium applications that require more flexibility or tighter bend radius whilst still requiring the high temperature and the impeccable chemical resistance PTFE

Inner layer construction: Helically convoluted PTFE tube - Kongsberg use only high quality materials that meet the requirements of ASTM D4895 Type 1, Grade 4, Class B or ASTM D4895 Type 1, Grade 3, Class D

Outer Layer construction: High tensile 304 maypole wound Stainless Steel braid - for highly corrosive environments 316 Stainless Steel braid available upon request

Temperature range: Global fitting and ferrule range validated -40°C to +204°C Other: Antistatic Carbon lined versions are available for the Easyflex® range of hose for when electrically resistive fluids are being transferred at high flow rates or applications where static charge is generated.

Part No:	Description	Tube Wall Thickness	Braid OD	Tolerance +/-	Hose ID	Tolerance +/-	Max Working Pressure	Min Burst Pressure	Min Bend radius (MBR)	Approved KA 316 Stainless Steel Ferrule
TCEV7-1B01	1/4" Easyflex	0,76	12,3	0,5	7,1	0,5	172	517	18	01-907-04-04-50
TCEV9-5B01	3/8" Easyflex	0,76	14,75	0,6	9,5	0,6	138	414	20	01-907-06-06-50
TCEV12-8B01	1/2" Easyflex	0,89	18,8	0,6	12,83	0,6	103	310	25	01-907-08-08-50
TCEV15-9B01	5/8" Easyflex	0,89	22,1	0,6	15,88	0,6	83	248	51	01-907-10-10-50
TCEV19-0B01	3/4" Easyflex	0,89	24,65	0,7	19,05	0,7	69	207	64	01-907-12-12-50
TCEV22-4B01	7/8" Easyflex	0,89	28,7	0,8	22,35	0,8	57	172	76	
TCEV25-5B01	1" Easyflex	1,02	32,77	0,8	25,4	0,8	46	138	89	01-907-16-16-50
TCEV32-2B01	1.1/4" Easyflex	1,02	40,72	0,8	32,2	0,8	34	103	127	01-907-20-20-50
TCEV38-1B01	1.1/2" Easyflex	1,12	47	0,8	38,1	0,8	30	90	152	01-907-24-24-50
TCEV50-4B01	2" Easyflex	1,2	61,5	0,8	51,4	0,8	23	69	200	01-907-32-32-50

When used in conjunction with KA approved hose fittings and ferrule products, exceeds minimum burst and exceeds 150 000 impulse cycles when tested against SAE J517 100R14 requirements at room temperature

Exceeds minimum burst and modified 150 000 impulse cycles when tested against SAE J517 100R14 requirements at 204°C



Your Flexible PTFE Hose Partner

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