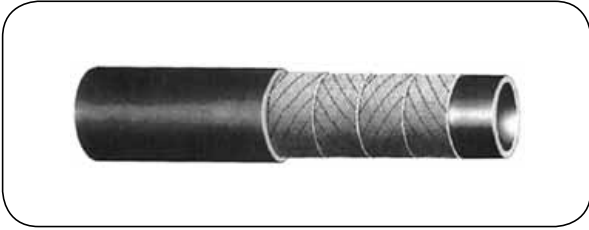


## INDUSTRIAL HOSES - brake

### Rubber brake hoses



#### RAIL BRAKE UIC-830-I-85®

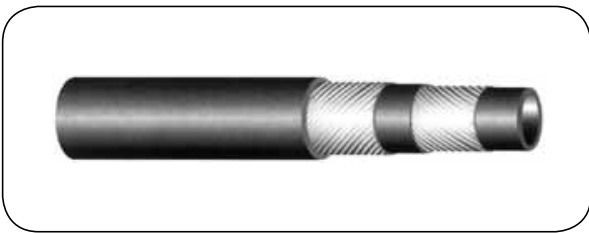
**Internal layer:** Black synthetic rubber

**Reinforcement:** Synthetic braid

**External layer:** Black synthetic rubber

Flexible hose used for air transfer in railway air brake systems according to UIC-830-I-85 standards.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
IV-RAILBUIC-16	16	32	10	70	0.52	120
IV-RAILBUIC-18	18	32	10	70	0.67	120
IV-RAILBUIC-22	22	38	10	70	0.75	120
IV-RAILBUIC-28	28	46	10	70	0.82	120
IV-RAILBUIC-30	30	46	10	70	0.86	120
IV-RAILBUIC-35	35	51	10	70	0.95	120



#### AIR BRAKE

**Internal layer:** Black EPDM rubber

**Reinforcement:** High strength synthetic braid

**External layer:** Black EPDM rubber

**Working temp.:** From -40°C up to +70°C

Hose used for air transfer in car brake systems. Manufactured according to DIN 74310 standards.

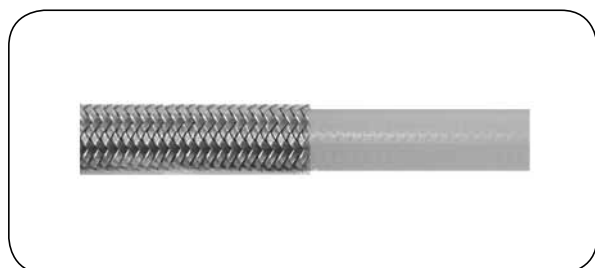
code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
IV-AIRBRAKE-DIN-11	11	18	10	25	0.17	100
IV-AIRBRAKE-DIN-13	13	25	10	25	0.40	100

# INDUSTRIAL HOSES - brake

## PTFE brake hoses DN 3

Brake hoses are made of PTFE covered with stainless steel wire braid according to SAE J1401 specification. The materials applied in the construction eliminate any changes of length or expansion thus ensuring constant size under pressure and protect against any age-related loss of physical properties. A version with additional polyurethane cover that guarantees increased resistance to abrasion is available on request.

There are two kinds of fittings designed for flexible brake hose assemblies: crimped and reusable fittings. The use of reusable fittings allows on-site assembly (no crimping machine required).

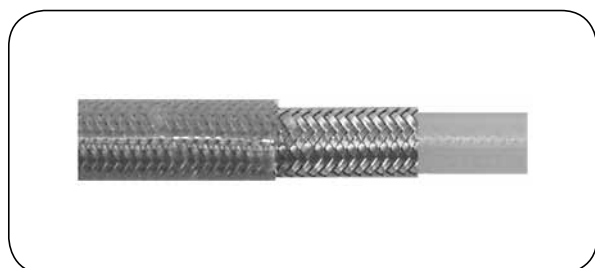


### OBHN

**Internal layer:** PTFE  
**Reinforcement:** Single steel wire braid  
**Working temp.:** From -40°C up to +160°C

Hose designed for car brake systems. Manufactured according to SAE J1401 standards. Designed for pressure applications in hydraulic installations. Resistant to high temperature. The internal and external layer resistant to aggressive chemical fluids, DOT3 and DOT4 brake fluid. Suitable for ABS brake system - to reduce pulsation effect.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [g/m]	standard length [m]
RK-OBHN-03	3.5	6.3	210	840	38	45	10



### OBHR

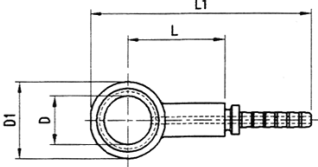
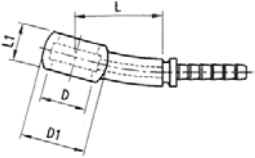
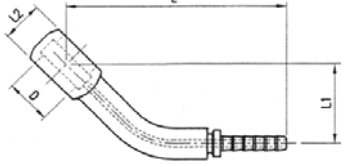
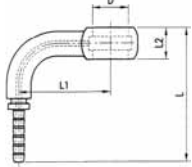
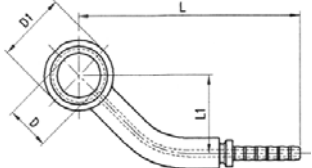
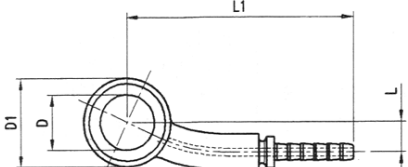
**Internal layer:** PTFE  
**Reinforcement:** Single steel wire braid  
**External layer:** Abrasion resistance polyurethane  
**Working temp.:** From -40°C up to +130°C

Hose designed for car brake systems. Manufactured according to SAE J1401 standards. Designed for pressure applications in hydraulic installations. Resistant to high temperature. The internal and external layer resistant to aggressive chemical fluids, DOT3 and DOT4 brake fluid. Suitable for ABS brake system - to reduce pulsation effect. Translucent as a standard. Available in yellow, red, blue or black colour on request.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [g/m]	standard length [m]
RK-OBHR-03	3.2	7.6	210	840	38	90	10

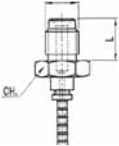
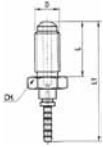
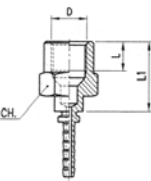
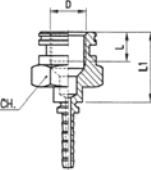
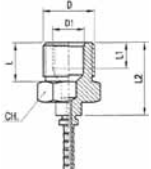
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - crimp

description	code	material	D [mm]	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]
<p>Straight BANJO</p> 	RK-O-ADCPN	chromium plated steel	10.2	16	26	52	-
	RK-O-ADMPN	chromium plated steel	10.2	16	36	62	-
	RK-O-EDCP	anodized aluminium	10.2	16	26	52	-
	RK-O-EDMP		10.2	16	36	62	-
	RK-O-EDLP		10.2	16	40	66	-
	RK-O-ADCP12N	chromium plated steel	12.2	20	24	50	-
<p>BANJO side 15°</p> 	RK-O-A15PN	chromium plated steel	10.2	16	25.5	9	-
	RK-O-E15P	anodized aluminium	10.2	16	25.5	9	-
<p>BANJO side 45°</p> 	RK-O-A45PN	chromium plated steel	10.2	-	50	13	9
	RK-O-E45P	anodized aluminium	10.2	-	50	13	9
<p>BANJO side 90°</p> 	RK-O-A90PN	chromium plated steel	10.2	-	41	22	9
	RK-O-E90P	anodized aluminium	10.2	-	41	22	9
<p>BANJO lateral side 45°</p> 	RK-O-A45PLN	chromium plated steel	10.2	16	50	12	-
	RK-O-E45PL	anodized aluminium	10.2	16	50	12	-
<p>BANJO lateral side 15°</p> 	RK-O-A15PLN	chromium plated steel	10.2	16	5	44	-
	RK-O-E15PL	anodized aluminium	10.2	16	5	44	-

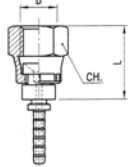
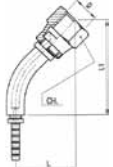
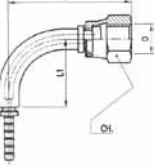
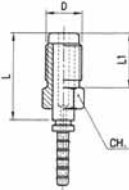
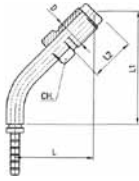
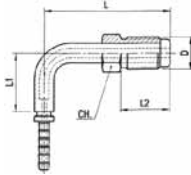
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - crimp

description	code	material	thread size	L [mm]	L1 [mm]	L2 [mm]	CH [mm]
Male thread. female cone seal 	RK-MACP-0N	chromium plated steel	M10x1.25	13	40	-	14
	RK-MACP-1N		M10x1	13	40	-	14
	RK-MACP-2N		3/8"-24	13	40	-	14
Male thread. male cone seal 	RK-MALP-0N	chromium plated steel	M10x1.25	23	50	-	14
	RK-MALP-1N		M10x1	23	50	-	14
	RK-MALP-2N		3/8"-24	23	50	-	14
Female thread 	RK-FACP-0N	chromium plated steel	M10x1.25	8	19	-	14
	RK-FACP-1N		M10x1	8	19	-	14
	RK-FACP-2N		3/8"-24	8	19	-	14
Female thread 	RK-FALP-0N	chromium plated steel	M10x1.25	8	20	-	17
	RK-FALP-1N		M10x1	8	20	-	17
	RK-FALP-2N		3/8"-24	8	20	-	17
Male / female thread 	RK-MFALP-0N	chromium plated steel	M16x1.5/ M10x1.25	12	8	23	17
	RK-MFALP-1N		M16x1.5/ M10x1	12	8	23	17
	RK-MFALP-2N		M16x1.5/ 3/8"-24	12	8	23	17

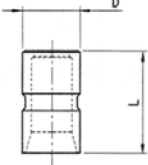
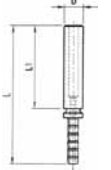
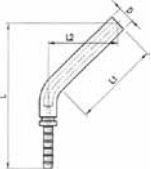
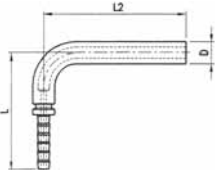
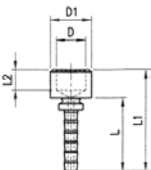
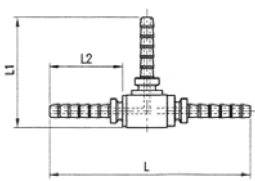
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - crimp

description	code	material	thread size	L [mm]	L1 [mm]	L2 [mm]	CH [mm]
Straight female (with a nut) 	RK-FAGP-0N	chromium plated steel	M10x1.25	20	-	-	14
	RK-FAGP-1N		M10x1	20	-	-	14
	RK-FAGP-2N		3/8"-24	20	-	-	14
45° female elbow (with a nut) 	RK-FAG45P-0N	chromium plated steel	M10x1.25	26	58	-	14
	RK-FAG45P-1N		M10x1	26	58	-	14
	RK-FAG45P-2N		3/8"-24	26	58	-	14
90° female elbow (with a nut) 	RK-FAG90P-0N	chromium plated steel	M10x1.25	32	23	-	14
	RK-FAG90P-1N		M10x1	32	23	-	14
	RK-FAG90P-2N		3/8"-24	32	23	-	14
Straight male (with a nut) 	RK-MAGP-0N	chromium plated steel	M10x1.25	26	16	-	10
	RK-MAGP-1N		M10x1	26	16	-	10
	RK-MAGP-2N		3/8"-24	26	16	-	10
	RK-MAGP-12N		M12x1	26	16	-	10
45° male elbow (with a nut) 	RK-MAG45P-0N	chromium plated steel	M10x1.25	26	42	16	10
	RK-MAG45P-1N		M10x1	26	42	16	10
	RK-MAG45P-2N		3/8"-24	26	42	16	10
90° male elbow (with a nut) 	RK-MAG90P-0N	chromium plated steel	M10x1.25	38	26	16	10
	RK-MAG90P-1N		M10x1	38	26	16	10
	RK-MAG90P-2N		3/8"-24	38	26	16	10

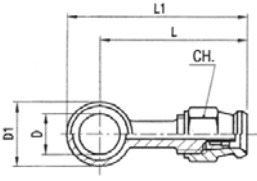
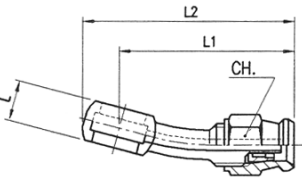
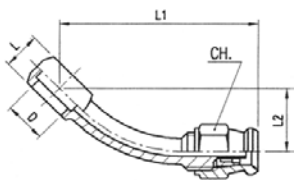
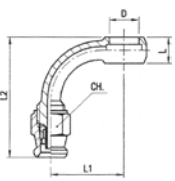
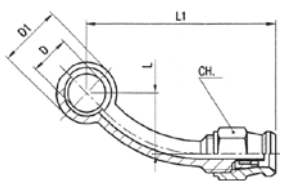
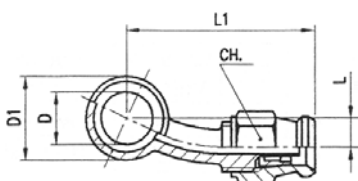
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - crimp

description	code	material	D [mm]	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]
Ferrule 	RK-CAP-001N-SS (OBHN hose)	stainless steel	11	-	18	-	-
	RK-CAP-002N-SS (hose OBHR hose)	stainless steel	11	-	18	-	-
Pipe fitting 	RK-EP-6-DN	chromium plated steel	6	-	44	26	-
	RK-EP-8-DN		8	-	44	26	-
Pipe fitting (45° elbow) 	RK-EP-6-45N	chromium plated steel	6	-	50	27	-
Pipe fitting (90° elbow) 	RK-EP-6-90N	chromium plated steel	6	-	33	40	-
Fitting to be weld 	RK-TSP-0705	carbon steel	5.2	10	18	25	5
Tee 	RK-TPA-02N	chromium plated steel	4.5	-	48	27	18

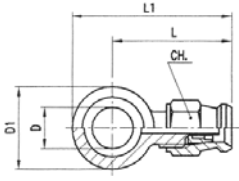
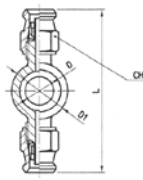
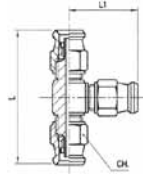
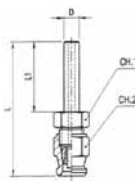

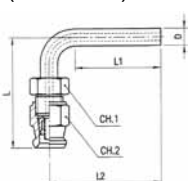
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - reusable

description	code	material	D [mm]	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]	CH [mm]
Straight BANJO 	RK-O-ADCRN	chromium plated steel	10.2	16	37	44	-	11
	RK-O-100DC1	anodized aluminium	10.2	16	37	44	-	12
BANJO side 15° 	RK-O-A15RN	chromium plated steel	10.2	-	9	36	44	11
	RK-O-10015C	anodized aluminium	10.2	-	9	36	44	11
BANJO side 45° 	RK-O-A45RN	chromium plated steel	10.2	-	9	44	14	11
	RK-O-10045M	anodized aluminium	10.2	-	9	44	14	11
BANJO side 90° 	RK-O-A90RN	chromium plated steel	10.2	-	9	20	34	11
	RK-O-A90REN		10.2	-	9	43	53	11
	RK-O-10090M	anodized aluminium	10.2	-	9	20	34	12
	RK-O-10090E		10.2	-	9	43	53	12
BANJO lateral side 45° 	RK-O-A45RLN	chromium plated steel	10.2	16	14	44	-	11
	RK-O-100LMO	anodized aluminium	10.2	16	14	44	-	12
BANJO lateral side 25° 	RK-O-A25RLN	chromium plated steel	10.2	16	11	36	-	11
	RK-O-10025LC	anodized aluminium	10.2	16	11	36	-	12

# INDUSTRIAL HOSES - brake

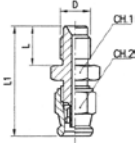
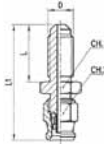
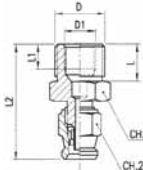
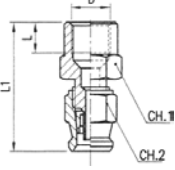
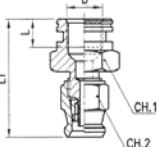
## Fittings for PTFE brake hoses DN 3 - reusable

description	code	material	D [mm]	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]	CH [mm]
Short BANJO 	RK-O-ACR10N	chromium plated steel	10.2	20	28	38	-	11
	RK-O-ACR11N		11.2	20	28	38	-	11
	RK-O-ACR12N		12.2	20	28	38	-	11
	RK-O-110DCO	anodized aluminium	11.2	20	28	38	-	12
	RK-O-120DCO		12.2	20	28	38	-	12
Short twin BANJO 	RK-O-100DCD	anodized aluminium	10.2	20	58	-	-	12
Tee 	RK-TAR-01N	chromium plated steel	-	-	46	23	-	11
	RK-RTT-001	anodized aluminium	-	-	46	23	-	12
Pipe fitting 	RK-ER-6-DN	chromium plated steel	6	-	50	26	-	11
Pipe fitting (45° elbow) 	RK-ER-6-45N	chromium plated steel	6	-	50	30	23	11
Pipe fitting (90° elbow) 	RK-ER-6-90N	chromium plated steel	6	-	40	29	35	11



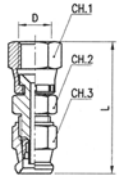
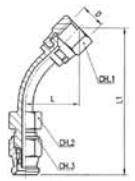
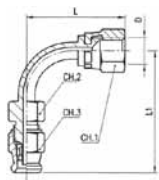
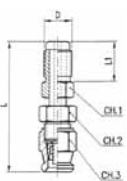
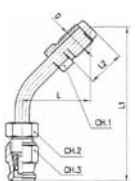
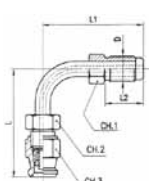
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - reusable

description	code	material	thread size	thread size	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	CH 1 [mm]	CH 2 [mm]
Male thread. female cone seal 	RK-MACR-0N	chromium plated steel	M10x1.25	-	11	32	-	-	14	11
	RK-MACR-1N		M10x1	-	11	32	-	-	14	11
	RK-MACR-2N		3/8"-24	-	11	32	-	-	14	11
Male thread. male cone seal 	RK-MALR-0N	chromium plated steel	M10x1.25	-	23	45	-	-	14	11
	RK-MALR-1N		M10x1	-	23	45	-	-	14	11
	RK-MALR-2N		3/8"-24	-	23	45	-	-	14	11
Male / female thread 	RK-MFALR-0N	chromium plated steel	M16x1.5	M10x1.25	12	8	37	-	17	11
	RK-MFALR-1N		M16x1.5	M10x1	12	8	37	-	17	11
	RK-MFALR-2N		M16x1.5	3/8"-24	12	8	37	-	17	11
Female thread 	RK-FACR-0N	chromium plated steel		M10x1.25	8	32	-	-	13	11
	RK-FACR-1N			M10x1	8	32	-	-	14	11
	RK-FACR-2N			3/8"-24	8	32	-	-	13	11
Female thread 	RK-FALR-0N	chromium plated steel		M10x1.25	8	37	-	-	17	11
	RK-FALR-1N			M10x1	8	37	-	-	17	11
	RK-FALR-2N			3/8"-24	8	37	-	-	17	11

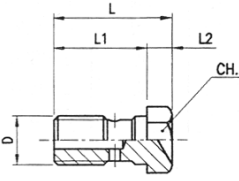
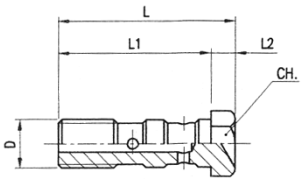
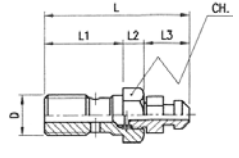
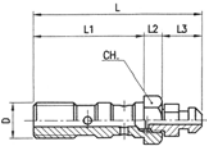
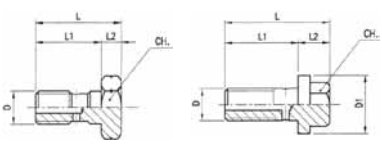
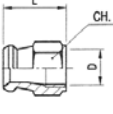
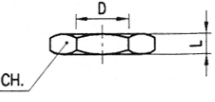
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - reusable

description	code	material	thread size	L [mm]	L1 [mm]	L2 [mm]	CH 1 [mm]	CH 2 [mm]	CH 3 [mm]
Straight female (with a nut) 	RK-FAGR-0N	chromium plated steel	M10x1.25	40	-	-	14	12	11
	RK-FAGR-1N		M10x1	40	-	-	14	12	11
	RK-FAGR-2N		3/8"-24	40	-	-	14	12	11
45° female elbow (with a nut) 	RK-FAG45R-0N	chromium plated steel	M10x1.25	22	55	-	14	12	11
	RK-FAG45R-1N		M10x1	22	55	-	14	12	11
	RK-FAG45R-2N		3/8"-24	22	55	-	14	12	11
90° female elbow (with a nut) 	RK-FAG90R-0N	chromium plated steel	M10x1.25	37	43	-	14	12	11
	RK-FAG90R-1N		M10x1	37	43	-	14	12	11
	RK-FAG90R-2N		3/8"-24	37	43	-	14	12	11
Straight male (with a nut) 	RK-MAGR-0N	chromium plated steel	M10x1.25	45	16	-	10	11	11
	RK-MAGR-1N		M10x1	45	16	-	10	11	11
	RK-MAGR-2N		3/8"-24	45	16	-	10	11	11
45° male elbow (with a nut) 	RK-MAG45R-0N	chromium plated steel	M10x1.25	22	50	16	10	11	11
	RK-MAG45R-1N		M10x1	22	50	16	10	11	11
	RK-MAG45R-2N		3/8"-24	22	50	16	10	11	11
90° male elbow (with a nut) 	RK-MAG90R-0N	chromium plated steel	M10x1.25	40	37	16	10	11	11
	RK-MAG90R-1N		M10x1	40	37	16	10	11	11
	RK-MAG90R-2N		3/8"-24	40	37	16	10	11	11

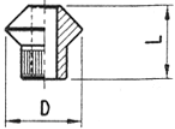
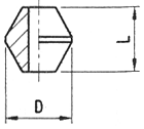
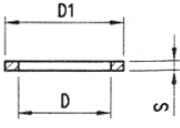
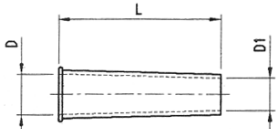
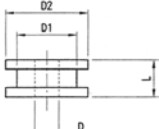
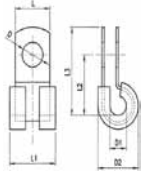
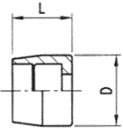
# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - assembly parts

description	code	material	thread size	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	CH [mm]
<b>BANJO bolt</b> 	RK-BFSA-0N	chromium plated steel	M10x1.25	-	25	19	6	-	12
	RK-BFSA-1N		M10x1	-	25	19	6	-	12
	RK-BFSA-2N		3/8"-24	-	25	19	6	-	12
	RK-BFSE-00	anodized aluminium	M10x1.25	-	25	19	6	-	12
	RK-BFSE-01		M10x1	-	25	19	6	-	12
	RK-BFSE-02		3/8"-24	-	25	19	6	-	12
<b>BANJO double bolt</b> 	RK-BFDA-0N	chromium plated steel	M10x1.25	-	35	29	6	-	12
	RK-BFDA-1N		M10x1	-	35	29	6	-	12
	RK-BFDA-2N		3/8"-24	-	35	29	6	-	12
	RK-BFDE-00	anodized aluminium	M10x1.25	-	35	29	6	-	12
	RK-BFDE-01		M10x1	-	35	29	6	-	12
	RK-BFDE-02		3/8"-24	-	35	29	6	-	12
<b>BANJO bolt for bleed</b> 	RK-BFSAS-0N	chromium plated steel	M10x1.25	-	35	19	5	12	12
	RK-BFSAS-1N		M10x1	-	35	19	5	12	12
	RK-BFSAS-2N		3/8"-24	-	35	19	5	12	12
	RK-BFSS-00	anodized aluminium	M10x1.25	-	35	19	5	12	12
	RK-BFSS-01		M10x1	-	35	19	5	12	12
	RK-BFSS-02		3/8"-24	-	35	19	5	12	12
<b>BANJO double bolt for bleed</b> 	RK-BFDAS-0N	chromium plated steel	M10x1.25	-	46	29	5	12	12
	RK-BFDAS-1N		M10x1	-	46	29	5	12	12
	RK-BFDAS-2N		3/8"-24	-	46	29	5	12	12
	RK-BFDS-00	anodized aluminium	M10x1.25	-	46	29	5	12	12
	RK-BFDS-01		M10x1	-	46	29	5	12	12
	RK-BFDS-02		3/8"-24	-	46	29	5	12	12
<b>BANJO bolt</b>  Harley D.	RK-BFDH-0	anodized aluminium	7/16"-24	18	33	23	10	-	12
<b>Socket</b> 	RK-CTFA-001N	chromium plated steel	3/8"-32	-	14	-	-	-	11
	RK-CTF-001	anodized aluminium	3/8"-32	-	14	-	-	-	12
<b>Locknut</b> 	RK-DB-1615N	chromium plated steel	M16x1.5	-	4	-	-	-	19
	RK-DB-100N		M10x1.25	-	5	-	-	-	15
	RK-DB-101N		M10x1	-	5	-	-	-	15
	RK-DB-102N		3/8"-24	-	5	-	-	-	15

# INDUSTRIAL HOSES - brake

## Fittings for PTFE brake hoses DN 3 - assembly parts

description	code	material	D [mm]	D1 [mm]	D2 [mm]	S [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
Biconic for fitting with female thread 	RK-BIC-001	brass	8	-	-	-	7.5	-	-	-
Bicone 	RK-BIC-000	rubber	8	-	-	-	7.5	-	-	-
Washer 	RK-RA-0100	anodized aluminium	10.2	13.5	-	1	-	-	-	-
	RK-RA-0120		10.2	15.5	-	1	-	-	-	-
Fairlead 	RK-PTG-10	rubber	10	8	-	-	40	-	-	-
Fairlead 	RK-FTC-01	rubber	6.5	15	21	-	10	-	-	-
	RK-FTC-02		8	15	21	-	10	-	-	-
	RK-FTC-03		8	15	16	-	14	-	-	-
Cushioned tube clamps 	RK-FZG-20	zinc plated steel / rubber	9	6.5	18	-	15	20	30	22
Clamping ring 	RK-OG-0600	brass	7.5	-	-	-	6	-	-	-