

COUPLINGS

BANJO COUPLING

SBE BANJO COUPLING HIGH PRESSURE

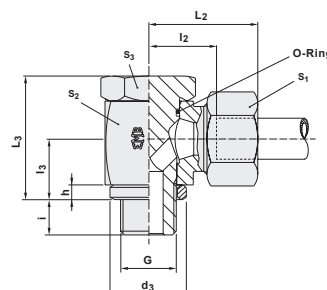
THE WORLD OF TUBE FITTINGS

SBE BANJO COUPLING HIGH PRESSURE BSP DKA

BSP parallel.

Edge sealing ring DKA match "narrow" counter bore according to DIN 3852/d4.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



description	pipe OD	PB series	S ₁	S ₂	S ₃	L ₂	l ₂	l ₃	L ₃	d ₃	i	h	G	MA* Nm	kg % pc
DS-SBE 6-RL	6	L 500	14	17	17	27	24	12.0	10.5	14	8	2.5	G 1/8" A	20	6.4
DS-SBE 8-RL	8	L 500	17	22	19	29	30	14.5	14.0	18	12	3.0	G 1/4" A	50	11.7
DS-SBE 10-RL	10	L 500	19	22	19	30	30	15.5	14.0	18	12	3.0	G 1/4" A	50	12.3
DS-SBE 12-RL	12	L 400	22	27	24	33	36	18.0	16.5	22	12	3.0	G 3/8" A	75	20.7
DS-SBE 15-RL	15	L 400	27	32	30	37	45	21.5	21.5	26	14	4.5	G 1/2" A	130	35.9
DS-SBE 18-RL	18	L 400	32	32	30	37	45	21.0	21.5	26	14	4.5	G 1/2" A	130	38.4
DS-SBE 22-RL	22	L 250	36	41	36	44	53	27.5	24.0	32	16	3.5	G 3/4" A	250	66.6
DS-SBE 28-RL	28	L 250	41	50	46	49	66	32.0	30.5	39	18	3.5	G 1" A	350	112.7
DS-SBE 35-RL	35	L 250	50	60	55	58	76	36.0	35.5	49	20	3.5	G 1 1/4" A	600	166.3
DS-SBE 42-RL	42	L 250	60	70	60	63	87	40.5	40.5	55	22	3.5	G 1 1/2" A	800	245.9
DS-SBE 6-RS	6	S 500	17	22	19	31	30	16.5	14.0	18	12	3.0	G 1/4" A	50	12.6
DS-SBE 8-RS	8	S 500	19	22	19	31	30	16.5	14.0	18	12	3.0	G 1/4" A	50	12.9
DS-SBE 10-RS	10	S 500	22	27	24	35	36	18.5	16.5	22	12	3.0	G 3/8" A	75	22.0
DS-SBE 12-RS	12	S 500	24	27	24	35	36	18.5	16.5	22	12	3.0	G 3/8" A	75	22.5
DS-SBE 14-RS	14	S 500	27	32	30	40	45	22.5	21.5	26	14	4.5	G 1/2" A	130	37.5
DS-SBE 16-RS	16	S 500	30	32	30	40	45	22.0	21.5	26	14	4.5	G 1/2" A	130	39.3
DS-SBE 20-RS	20	S 400	36	41	36	48	53	26.5	24.0	32	16	3.5	G 3/4" A	250	69.2
DS-SBE 25-RS	25	S 400	46	50	46	56	66	31.5	30.5	39	18	3.5	G 1" A	350	128.4
DS-SBE 30-RS	30	S 400	50	60	55	64	76	37.0	35.5	49	20	3.5	G 1 1/4" A	600	176.3
DS-SBE 38-RS	38	S 400	60	70	60	72	87	41.5	40.5	55	22	3.5	G 1 1/2" A	800	293.0

L₂ = approximate length with nut tightened

* Recommended tightening torques for stud threads G, with mating material steel

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.

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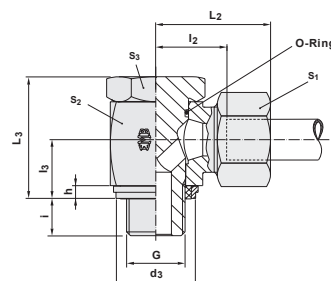
SBE BANJO COUPLING HIGH PRESSURE

SBE BANJO COUPLING HIGH PRESSURE BSP EDE

BSP parallel.

Sealing ring EDE (vulcanised NBR) for "narrow"
DIN 3852/d4 bore.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



description	pipe OD	PB series	S ₁	S ₂	S ₃	L ₂	l ₂	l ₃	L ₃	D ₉	i	h	G	MA* Nm	kg % pc
DS-SBE 6-RL/EDE	6	L 500	14	17	17	27	12.0	24	10.5	14.9	8	2.5	G 1/8" A	20	6.4
DS-SBE 8-RL/EDE	8	L 500	17	22	19	29	14.5	30	14.0	18.9	12	3.0	G 1/4" A	50	11.7
DS-SBE 10-RL/EDE	10	L 500	19	22	19	30	15.5	30	14.0	18.9	12	3.0	G 1/4" A	50	12.3
DS-SBE 12-RL/EDE	12	L 400	22	27	24	33	18.0	36	16.5	21.9	12	3.0	G 3/8" A	75	20.7
DS-SBE 15-RL/EDE	15	L 400	27	32	30	37	21.5	45	21.5	26.9	14	4.5	G 1/2" A	130	35.9
DS-SBE 18-RL/EDE	18	L 400	32	32	30	37	21.0	45	21.5	26.9	14	4.5	G 1/2" A	130	38.4
DS-SBE 22-RL/EDE	22	L 250	36	41	36	44	27.5	53	24.0	32.9	16	3.5	G 3/4" A	250	66.6
DS-SBE 28-RL/EDE	28	L 250	41	50	46	49	32.0	66	30.5	39.9	18	3.5	G 1" A	350	112.7
DS-SBE 35-RL/EDE	35	L 250	50	60	55	58	36.0	76	35.5	49.9	20	3.5	G 1 1/4" A	600	166.3
DS-SBE 42-RL/EDE	42	L 250	60	70	60	63	40.5	87	40.5	55.9	22	3.5	G 1 1/2" A	800	245.9
DS-SBE 6-RS/EDE	6	S 500	17	22	19	31	16.5	30	14.0	18.9	12	3.0	G 1/4" A	50	12.6
DS-SBE 8-RS/EDE	8	S 500	19	22	19	31	16.5	30	14.0	18.9	12	3.0	G 1/4" A	50	12.9
DS-SBE 10-RS/EDE	10	S 500	22	27	24	35	18.5	36	16.5	21.9	12	3.0	G 3/8" A	75	22.0
DS-SBE 12-RS/EDE	12	S 500	24	27	24	35	18.5	36	16.5	21.9	12	3.0	G 3/8" A	75	22.5
DS-SBE 14-RS/EDE	14	S 500	27	32	30	40	22.5	45	21.5	26.9	14	4.5	G 1/2" A	130	37.5
DS-SBE 16-RS/EDE	16	S 500	30	32	30	40	22.0	45	21.5	26.9	14	4.5	G 1/2" A	130	39.3
DS-SBE 20-RS/EDE	20	S 400	36	41	36	48	26.5	53	24.0	32.9	16	3.5	G 3/4" A	250	69.2
DS-SBE 25-RS/EDE	25	S 400	46	50	46	56	31.5	66	30.5	39.9	18	3.5	G 1" A	350	128.4
DS-SBE 30-RS/EDE	30	S 400	50	60	55	64	37.0	76	35.5	49.9	20	3.5	G 1 1/4" A	600	176.3
DS-SBE 38-RS/EDE	38	S 400	60	70	60	72	41.5	87	40.5	55.9	22	3.5	G 1 1/2" A	800	293.0

L₂ = approximate length with nut tightened

* Recommended tightening torques for stud threads G, with mating material steel

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.

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BANJO COUPLING

SBE BANJO COUPLING HIGH PRESSURE

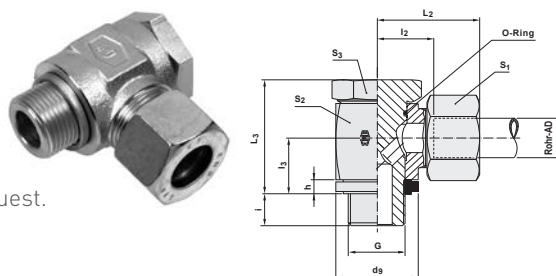
THE WORLD OF TUBE FITTINGS

SBE BANJO COUPLING HIGH PRESSURE BSP KDE

BSP parallel.

Metal joint ring KDE.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



description	pipe OD	PB series	S ₁	S ₂	S ₃	L ₂	l ₂	l ₃	L ₃	D ₉	i	h	G	MA* Nm	kg % pc
DS-SBE 6-RL/KDE	6	L 500	14	17	17	27	12.0	10.5	24	17	8	2.5	G 1/8" A	20	6.4
DS-SBE 8-RL/KDE	8	L 500	17	22	19	29	14.5	14.0	30	22	12	3.0	G 1/4" A	50	11.9
DS-SBE 10-RL/KDE	10	L 500	19	22	19	30	15.5	14.0	30	22	12	3.0	G 1/4" A	50	12.5
DS-SBE 12-RL/KDE	12	L 400	22	27	24	33	18.0	16.5	36	27	12	3.0	G 3/8" A	75	21.0
DS-SBE 15-RL/KDE	15	L 400	27	32	30	37	21.5	21.5	45	32	14	4.5	G 1/2" A	130	36.5
DS-SBE 18-RL/KDE	18	L 400	32	32	30	37	21.0	21.5	45	32	14	4.5	G 1/2" A	130	39.0
DS-SBE 22-RL/KDE	22	L 250	36	41	36	44	27.5	24.0	53	41	16	3.5	G 3/4" A	250	67.7
DS-SBE 28-RL/KDE	28	L 250	41	50	46	49	32.0	30.5	66	46	18	3.5	G 1" A	350	113.5
DS-SBE 35-RL/KDE	35	L 250	50	60	55	58	36.0	35.5	76	57	20	3.5	G 1 1/4" A	600	167.7
DS-SBE 42-RL/KDE	42	L 250	60	70	60	63	40.5	40.5	87	64	22	3.5	G 1 1/2" A	800	247.7
DS-SBE 6-RS/KDE	6	S 500	17	22	19	31	16.5	14.0	30	22	12	3.0	G 1/4" A	50	12.7
DS-SBE 8-RS/KDE	8	S 500	19	22	19	31	16.5	14.0	30	22	12	3.0	G 1/4" A	50	13.1
DS-SBE 10-RS/KDE	10	S 500	22	27	24	35	18.5	16.5	36	27	12	3.0	G 3/8" A	75	22.2
DS-SBE 12-RS/KDE	12	S 500	24	27	24	35	18.5	16.5	36	27	12	3.0	G 3/8" A	75	22.8
DS-SBE 14-RS/KDE	14	S 500	27	32	30	40	22.5	21.5	45	32	14	4.5	G 1/2" A	130	38.0
DS-SBE 16-RS/KDE	16	S 500	30	32	30	40	22.0	21.5	45	32	14	4.5	G 1/2" A	130	39.9
DS-SBE 20-RS/KDE	20	S 400	36	41	36	48	26.5	24.0	53	41	16	3.5	G 3/4" A	250	70.3
DS-SBE 25-RS/KDE	25	S 400	46	50	46	56	31.5	30.5	66	46	18	3.5	G 1" A	350	129.2
DS-SBE 30-RS/KDE	30	S 400	50	60	55	64	37.0	35.5	76	57	20	3.5	G 1 1/4" A	600	177.7
DS-SBE 38-RS/KDE	38	S 400	60	70	60	72	41.5	40.5	87	64	22	3.5	G 1 1/2" A	800	294.8

L₂ = approximate length with nut tightened

* Recommended tightening torques for stud threads G, with mating material steel

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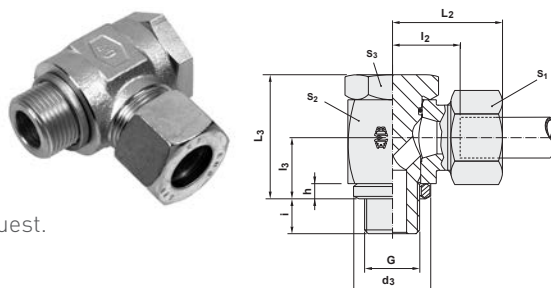
SBE BANJO COUPLING HIGH PRESSURE

SBE BANJO COUPLING HIGH PRESSURE METRIC DKA

Metric parallel.

Edge sealing ring DKA match "narrow" counter bore according to DIN 3852/d4.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



description	pipe OD	PB series	S ₁	S ₂	S ₃	L ₂	L ₂	L ₃	L ₃	d ₃	i	h	G	MA* Nm	kg % pc
DS-SBE 6-ML	6	L 500	14	17	17	27	12.0	10.5	24.0	14	8	2.5	M 10x1	25	6.5
DS-SBE 8-ML	8	L 500	17	22	19	29	14.5	14.0	30.0	17	12	3.0	M 12x1.5	50	11.4
DS-SBE 10-ML	10	L 500	19	22	19	30	15.5	14.0	30.0	19	12	3.0	M 14x1.5	60	12.5
DS-SBE 12-ML	12	L 400	22	27	24	33	18.0	16.5	36.0	21	12	3.0	M 16x1.5	90	20.3
DS-SBE 15-ML	15	L 400	27	30	27	36	20.5	18.5	39.5	23	12	3.0	M 18x1.5	110	28.8
DS-SBE 18-ML	18	L 400	32	32	30	37	21.0	21.5	45.0	27	14	4.5	M 22x1.5	150	38.8
DS-SBE 22-ML	22	L 250	36	41	36	44	27.5	24.0	53.0	31	16	3.5	M 26x1.5	350	65.8
DS-SBE 28-ML	28	L 250	41	50	46	49	32.0	30.5	66.0	39	18	3.5	M 33x2	400	110.3
DS-SBE 35-ML	35	L 250	50	60	55	58	36.0	35.5	76.0	49	20	3.5	M 42x2	600	166.3
DS-SBE 42-ML	42	L 250	60	70	60	63	40.5	40.5	87.0	55	22	3.5	M 48x2	800	249.9
DS-SBE 6-MS	6	S 500	17	22	19	31	16.5	14.0	30.0	17	12	3.0	M 12x1.5	50	12.2
DS-SBE 8-MS	8	S 500	19	22	19	31	16.5	14.0	30.0	19	12	3.0	M 14x1.5	60	13.2
DS-SBE 10-MS	10	S 500	22	27	24	35	18.5	16.5	36.0	21	12	3.0	M 16x1.5	90	21.7
DS-SBE 12-MS	12	S 500	24	30	27	36	20.0	18.5	39.5	23	12	3.0	M 18x1.5	110	28.0
DS-SBE 14-MS	14	S 500	27	32	30	40	22.5	20.0	48.5	25	14	3.0	M 20x1.5	130	37.4
DS-SBE 16-MS	16	S 500	30	32	30	40	22.0	21.5	45.0	27	14	4.5	M 22x1.5	150	39.4
DS-SBE 20-MS	20	S 400	36	41	36	48	26.5	24.0	53.0	32	16	3.5	M 27x2	350	68.8
DS-SBE 25-MS	25	S 400	46	50	46	56	31.5	30.5	66.0	39	18	3.5	M 33x2	400	126.0
DS-SBE 30-MS	30	S 400	50	60	55	64	37.0	35.5	76.0	49	20	3.5	M 42x2	600	176.3
DS-SBE 38-MS	38	S 400	60	70	60	72	41.5	40.5	87.0	55	22	3.5	M 48x2	800	296.9

L₂ = approximate length with nut tightened

* Recommended tightening torques for stud threads G, with mating material steel

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BANJO COUPLING

SBE BANJO COUPLING HIGH PRESSURE

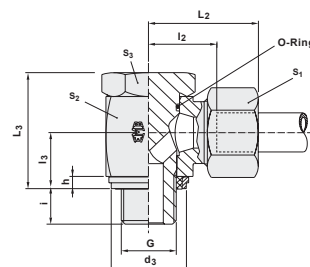
THE WORLD OF TUBE FITTINGS

SBE BANJO COUPLING HIGH PRESSURE METRIC EDE

Metric parallel.

Sealing ring EDE (vulcanised NBR) for "narrow"
DIN 3852/d4 bore.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



description	pipe OD	PB series	S ₁	S ₂	S ₃	L ₂	l ₂	l ₃	L ₃	d ₃	i	h	d ₉	G	MA* Nm	kg % pc
DS-SBE 6-ML/EDE	6	L 500	14	17	17	27	12.0	10.5	24.0	14.9	8	2.5	8	M 10x1	25	6.6
DS-SBE 8-ML/EDE	8	L 500	17	22	19	29	14.5	14.0	30.0	16.9	12	3.0	12	M 12x1.5	50	11.6
DS-SBE 10-ML/EDE	10	L 500	19	22	19	30	15.5	14.0	30.0	18.9	12	3.0	12	M 14x1.5	60	12.7
DS-SBE 12-ML/EDE	12	L 400	22	27	24	33	18.0	16.5	36.0	21.9	12	3.0	12	M 16x1.5	90	20.7
DS-SBE 15-ML/EDE	15	L 400	27	30	27	36	20.5	18.5	39.5	23.9	12	3.0	12	M 18x1.5	110	28.8
DS-SBE 18-ML/EDE	18	L 400	32	32	30	37	21.0	21.5	45.0	26.9	14	4.5	14	M 22x1.5	150	39.3
DS-SBE 22-ML/EDE	22	L 250	36	41	36	44	27.5	24.0	53.0	31.9	16	3.5	16	M 26x1.5	350	67.0
DS-SBE 28-ML/EDE	28	L 250	41	50	46	49	32.0	30.5	66.0	39.9	18	3.5	18	M 33x2	400	111.1
DS-SBE 35-ML/EDE	35	L 250	50	60	55	58	36.0	35.5	76.0	49.9	20	3.5	20	M 42x2	600	167.7
DS-SBE 42-ML/EDE	42	L 250	60	70	60	63	40.5	40.5	87.0	55.9	22	3.5	22	M 48x2	800	251.7
DS-SBE 6-MS/EDE	6	S 500	17	22	19	31	16.5	14.0	30.0	16.9	12	3.0	12	M 12x1.5	50	12.5
DS-SBE 8-MS/EDE	8	S 500	19	22	19	31	16.5	14.0	30.0	18.9	12	3.0	12	M 14x1.5	60	13.3
DS-SBE 10-MS/EDE	10	S 500	22	27	24	35	18.5	16.5	36.0	21.9	12	3.0	12	M 16x1.5	90	22.0
DS-SBE 12-MS/EDE	12	S 500	24	30	27	36	20.0	18.5	39.5	23.9	12	3.0	12	M 18x1.5	110	28.3
DS-SBE 16-MS/EDE	16	S 500	30	32	30	40	22.0	21.5	45.0	26.9	14	4.5	14	M 22x1.5	150	39.8
DS-SBE 20-MS/EDE	20	S 400	36	41	36	48	26.5	24.0	53.0	32.9	16	3.5	16	M 27x2	350	69.9
DS-SBE 25-MS/EDE	25	S 400	46	50	46	56	31.5	39.0	66.0	39.9	18	3.5	18	M 33x2	400	126.8
DS-SBE 30-MS/EDE	30	S 400	50	60	55	64	37.0	49.0	76.0	49.9	20	3.5	20	M 42x2	600	177.6
DS-SBE 38-MS/EDE	38	S 400	60	70	60	72	41.5	55.0	87.0	55.9	22	3.5	22	M 48x2	800	298.7

L₂ = approximate length with nut tightened

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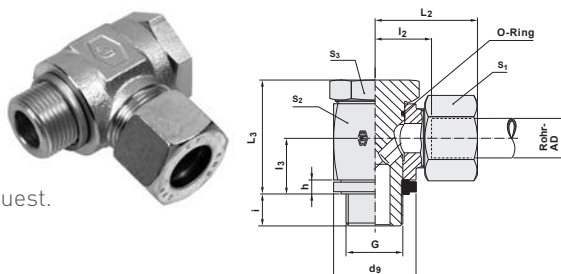
SBE BANJO COUPLING HIGH PRESSURE

SBE BANJO COUPLING HIGH PRESSURE METRIC KDE

Metric parallel.

Metal joint ring KDE.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



description	pipe OD	PB series	S ₁	S ₂	S ₃	L ₂	l ₂	l ₃	L ₃	d ₃	h	d ₉	G	MA* Nm	kg % pc
DS-SBE 6-ML/KDE	6	L 500	14	17	17	27	12.0	10.5	24.0	17	2.5	8	M 10x1	25	6.6
DS-SBE 8-ML/KDE	8	L 500	17	22	19	29	14.5	14.0	30.0	22	3.0	12	M 12x1.5	50	11.6
DS-SBE 10-ML/KDE	10	L 500	19	22	19	30	15.5	14.0	30.0	23	3.0	12	M 14x1.5	60	12.7
DS-SBE 12-ML/KDE	12	L 400	22	27	24	33	18.0	16.5	36.0	27	3.0	12	M 16x1.5	90	20.7
DS-SBE 15-ML/KDE	15	L 400	27	30	27	36	20.5	18.5	39.5	29	3.0	12	M 18x1.5	110	28.8
DS-SBE 18-ML/KDE	18	L 400	32	32	30	37	21.0	21.5	45.0	32	4.5	14	M 22x1.5	150	39.3
DS-SBE 22-ML/KDE	22	L 250	36	41	36	44	27.5	24.0	53.0	41	3.5	16	M 26x1.5	350	67.0
DS-SBE 28-ML/KDE	28	L 250	41	50	46	49	32.0	30.5	66.0	46	3.5	18	M 33x2	400	111.1
DS-SBE 35-ML/KDE	35	L 250	50	60	55	58	36.0	35.5	76.0	57	3.5	20	M 42x2	600	167.7
DS-SBE 42-ML/KDE	42	L 250	60	70	60	63	40.5	40.5	87.0	64	3.5	22	M 48x2	800	251.7
DS-SBE 6-MS/KDE	6	S 500	17	22	19	31	16.5	14.0	30.0	22	3.0	12	M 12x1.5	50	12.5
DS-SBE 8-MS/KDE	8	S 500	19	22	19	31	16.5	14.0	30.0	23	3.0	12	M 14x1.5	60	13.3
DS-SBE 10-MS/KDE	10	S 500	22	27	24	35	18.5	16.5	36.0	27	3.0	12	M 16x1.5	90	22.0
DS-SBE 12-MS/KDE	12	S 500	24	30	27	36	20.0	18.5	39.5	29	3.0	12	M 18x1.5	110	28.3
DS-SBE 16-MS/KDE	16	S 500	30	32	30	40	22.0	21.5	45.0	32	4.5	14	M 22x1.5	150	39.8
DS-SBE 20-MS/KDE	20	S 400	36	41	36	48	26.5	24.0	53.0	41	3.5	16	M 27x2	350	69.9
DS-SBE 25-MS/KDE	25	S 400	46	50	46	56	31.5	30.5	66.0	46	3.5	18	M 33x2	400	126.8
DS-SBE 30-MS/KDE	30	S 400	50	60	55	64	37.0	35.5	76.0	57	3.5	20	M 42x2	600	177.6
DS-SBE 38-MS/KDE	38	S 400	60	70	60	72	41.5	40.5	87.0	64	3.5	22	M 48x2	800	298.7

L₂ = approximate length with nut tightened

* Recommended tightening torques for stud threads G. with mating material steel

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.