NORTH SEA HYDRAULICS

Silicon Bellows

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

Inner diameter in mm's	Outer diameter in mm's	Total length in mm's	Code
27	37	120	NSH610-01-027
34	47	120	NSH610-01-034
38	50	120	NSH610-01-038
42	55	120	NSH610-01-042
48	61	130	NSH610-01-048
54	67	130	NSH610-01-054
60	73	130	NSH610-01-060
63	75	160	NSH610-01-063
76	89	180	NSH610-01-076
90	103	200	NSH610-01-090
102	115	200	NSH610-01-102
108	123	200	NSH610-01-108
114	129	200	NSH610-01-114
127	142	200	NSH610-01-127
133	146	200	NSH610-01-133
140	153	200	NSH610-01-140

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%) 70 hours at 125°C	21.3

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

NORTH SEA HYDRAULICS

Silicon Bellows 'Green'

Specifications

Inner wall	FKM
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and salt water transfer. Also suitable for most oils.

Inner diameter in mm's	Outer diameter in mm's	Total length in mm's	Code
25	37	120	NSH611-01-025
34	47	120	NSH611-01-034
38	50	120	NSH611-01-038
42	55	120	NSH611-01-042
48	61	130	NSH611-01-048
55	67	130	NSH611-01-055
60	73	130	NSH611-01-060
76	75	160	NSH611-01-076
90	89	180	NSH611-01-090
108	103	200	NSH611-01-108
114	115	200	NSH611-01-114
133	123	200	NSH611-01-133
140	129	200	NSH611-01-140
152	142	200	NSH611-01-152

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%)	21.3
70 hours at 125°C	

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

Silicon Bellows 'Red Spiral'

Specifications

Inner wall	FVMQ fluoro silicone
Reinforcement	Meta-aramide
Maximum temp.	200°C
Minimum temp.	-55°C
Material	Red silicone rubber
Application	Coolant, air, water and turbo purposes

Inner diameter in mm's	Outer diameter in mm's	Total length in mm's	Code
34	43	165	NSH612-01-034
48	57	165	NSH612-01-048
50	59	165	NSH612-01-050
60	69	200	NSH612-01-060
70	79	200	NSH612-01-070
76	86	200	NSH612-01-076
90	100	200	NSH612-01-090
90	100	160	NSH612-01-090-160
100	110	210	NSH612-01-100
114	126	160	NSH612-01-114

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%)	21.3
70 hours at 125°C	

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

Silicone Bellow Reducer

Product code: NSH607-01

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

Silicone Bellow Reducer 45° and 90°

Product code: NSH607-04

Product code: NSH607-03

Silicone blue bellow reducers are available in various elongated sizes.
Feel free to contact us for more information.

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%) 70 hours at 125°C	21.3

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

NORTH SEA HYDRAULICS

Silicone Elbow 45°

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

Inner diameter in mm's	Outer diameter in mm's	Leg length in mm's	Code
10	20	102	NSH606-03-010
28	38	102	NSH606-03-028
35	4	102	NSH606-03-035
42	52	102	NSH606-03-042
48	58	102	NSH606-03-048
75	85	102	NSH606-03-075
90	100	102	NSH606-03-090
100	110	102	NSH606-03-100
13	23	152	NSH606-01-013
16	26	152	NSH606-01-016
19	29	152	NSH606-01-019
22	32	152	NSH606-01-022
25	35	152	NSH606-01-025
28	42	152	NSH606-01-028
32	45	152	NSH606-01-032
35	48	152	NSH606-01-035
38	52	152	NSH606-01-038
42	55	152	NSH606-01-042
45	55	152	NSH606-01-045
48	58	152	NSH606-01-048
51	61	152	NSH606-01-051
60	70	152	NSH606-01-060
63	73	152	NSH606-01-063
70	80	152	NSH606-01-070
76	86	152	NSH606-01-076
80	90	152	NSH606-01-080
89	99	152	NSH606-01-089
102	112	152	NSH606-01-102

The 45° Elbow are also available in black. Feel free to contact us for more information.

NORTH SEA HYDRAULICS

Silicone Elbow 90°

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

Inner diameter in mm's	Outer diameter in mm's	Leg length in mm's	Code
8	18	152	NSH605-01-008
10	20	152	NSH605-01-010
13	23	152	NSH605-01-013
16	26	152	NSH605-01-016
19	29	152	NSH605-01-019
22	32	152	NSH605-01-022
25	35	152	NSH605-01-025
28	38	152	NSH605-01-028
32	42	152	NSH605-01-032
35	45	152	NSH605-01-035
38	48	152	NSH605-01-038
40	50	152	NSH605-01-040
42	52	152	NSH605-01-042
45	55	152	NSH605-01-045
48	58	152	NSH605-01-048
51	61	152	NSH605-01-051
55	65	152	NSH605-01-055
57	67	152	NSH605-01-057
60	70	152	NSH605-01-060
63	73	152	NSH605-01-063
65	75	152	NSH605-01-065
70	80	152	NSH605-01-070
76	86	152	NSH605-01-076
80	90	152	NSH605-01-080
83	93	152	NSH605-01-083
85	95	152	NSH605-01-085
89	99	152	NSH605-01-089
102	112	152	NSH605-01-102
115	125	152	NSH605-01-115
152	162	152	NSH605-01-152

NORTH SEA HYDRAULICS

Silicone Elbow 90°

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

Inner diameter in mm's	Outer diameter in mm's	Leg length in mm's	Code
12	22	250	NSH605-05-012
19	29	250	NSH605-05-019
22	32	250	NSH605-05-022
35	45	250	NSH605-05-035
38	48	250	NSH605-05-038
40	50	250	NSH605-05-040
42	52	250	NSH605-05-042
57	67	250	NSH605-05-057
60	70	250	NSH605-05-060
65	75	250	NSH605-05-065
70	80	250	NSH605-05-070
75	85	250	NSH605-05-075
80	90	250	NSH605-05-080
90	100	250	NSH605-05-090
102	112	250	NSH605-05-102

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%) 70 hours at 125°C	21.3

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

NORTH SEA HYDRAULICS

Silicone Hose Straight

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

diameter in mm's	Outer diameter in mm's	Total length in mm's	Code
10	20	1000	NSH601-01-010
13	23	1000	NSH601-01-013
16	26	1000	NSH601-01-016
19	29	1000	NSH601-01-019
22	32	1000	NSH601-01-022
25	35	1000	NSH601-01-025
28	38	1000	NSH601-01-028
30	40	1000	NSH601-01-030
32	42	1000	NSH601-01-032
35	45	1000	NSH601-01-035
38	48	1000	NSH601-01-038
40	50	1000	NSH601-01-040
42	52	1000	NSH601-01-042
45	55	1000	NSH601-01-045
48	58	1000	NSH601-01-048
51	61	1000	NSH601-01-051
55	65	1000	NSH601-01-055
57	67	1000	NSH601-01-057
60	70	1000	NSH601-01-060
65	75	1000	NSH601-01-065
70	80	1000	NSH601-01-070
76	86	1000	NSH601-01-076
80	90	1000	NSH601-01-080
102	112	1000	NSH601-01-102
114	124	1000	NSH601-01-114
120	130	1000	NSH601-01-120
127	137	1000	NSH601-01-127
140	150	1000	NSH601-01-140
152	162	1000	NSH601-01-152
160	170	1000	NSH601-01-160

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%)	21.3
70 hours at 125°C	

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

Silicone Hose Straight 2/3M

Specifications

Inner wall	Red silicone
Inner lay	Polyester inlay
Maximum temp.	180°C
Minimum temp.	-56°C
Material	Reinforced silicone rubber
Application	Coolant, air and water transfer. Also suitable for polar liquids, such as polyhydric alcohols and low-molecular ketones.

diameter in mm's	Outer diameter in mm's	Total length in mm's	Code
16	26	2000	NSH601-03-016/2
16	26	3000	NSH601-03-016/3
19	29	2000	NSH601-03-019/2
19	29	3000	NSH601-03-019/3

Other physical properties:

Shore (A)	70 +/- 5
Tensile strength (Mpa)	7.08
Elongation at break (%)	258
Compression set (%) 70 hours at 125°C	21.3

Change in properties following heat-ageing at 175°C for 70 hours

Shore (A)	+3
% Change in tensile strength	-11,86
% Change in elongation at break	-22,76

Typing errors may occurs, technical details are subject to change as improvements of prodcuts.