

# NB

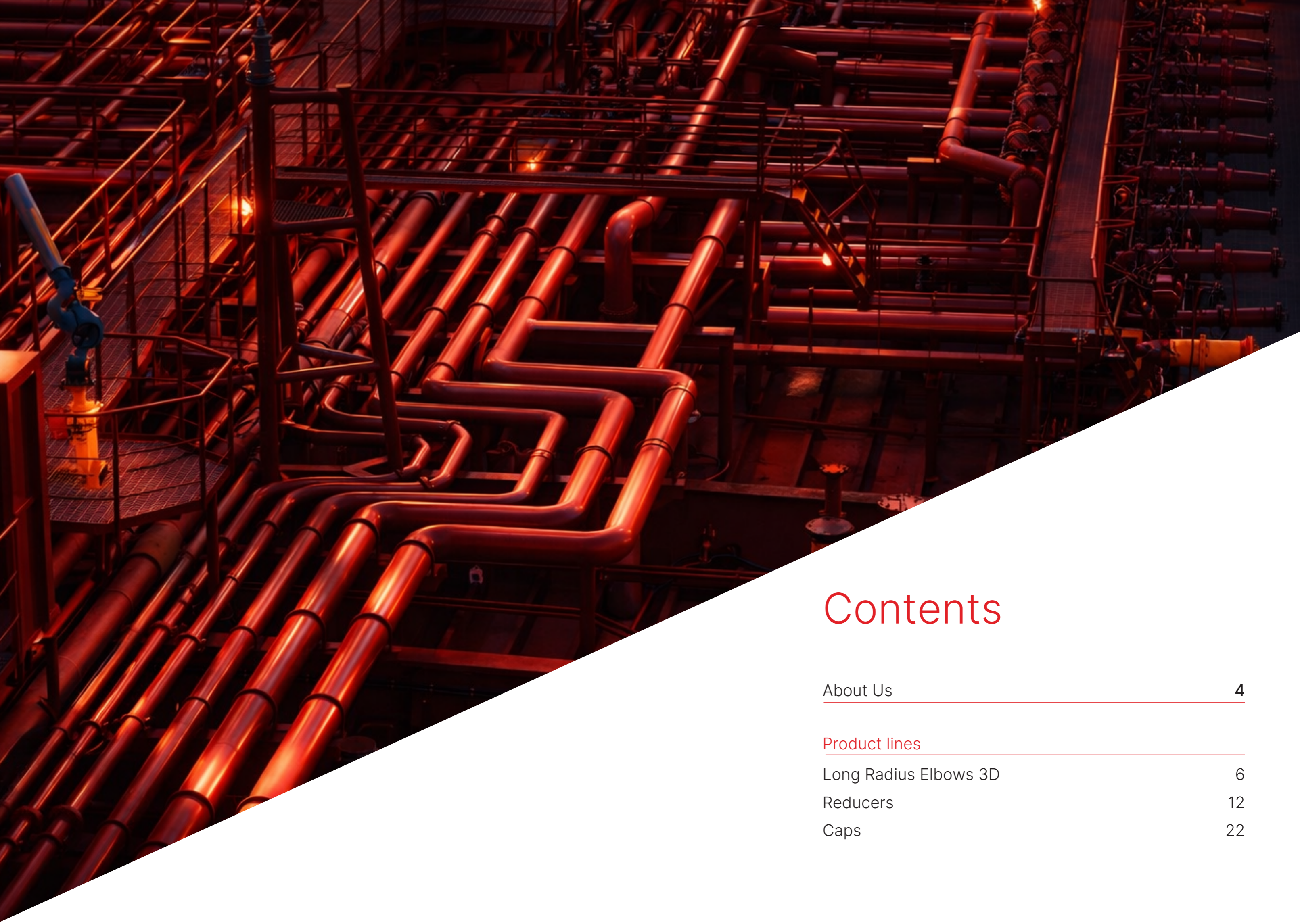
FITTINGS



**NB**  
FITTINGS

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MAKE A DIFFERENCE



# Contents

About Us 4

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## Product lines

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Long Radius Elbows 3D 6

Reducers 12

Caps 22

# What WE DO

At NB Fittings, we believe that real progress starts with doing things better — every day. Our mission is simple: to make a difference by delivering reliable elbows, caps and reducers that perform consistently in demanding piping systems around the world. We combine technical expertise, quality-driven processes and a forward-looking mindset to support industries where safety, durability and precision truly matter.

## Custom Manufacturing & Project-Based Solutions

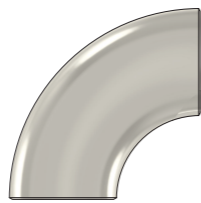
Custom-fabricated (welded) carbon steel elbows and reducers available upon request, manufactured to meet specific technical requirements and project specifications.

## Our PRODUCTS

Our products ensure secure connections, smooth flow transitions and long-term performance in demanding operating conditions. Each component is produced with strict quality control and is suitable for applications involving high pressure, temperature variations and continuous operation.

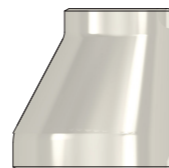
**01.**

ELBOWS  
LONG RADIUS  
3D



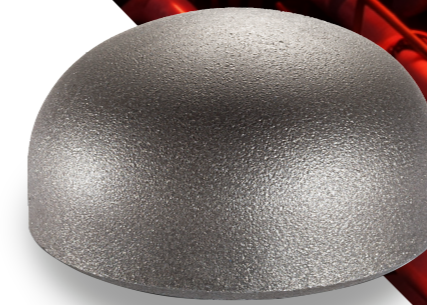
**02.**

CONCENTRIC  
AND ECCENTRIC  
REDUCERS



**03.**

CAPS



## Our APPROACH

Making a difference means more than delivering a product. It means creating value through every step of our work:

### Focus

specialization allows us to refine every detail

### Quality

consistent processes and controlled manufacturing

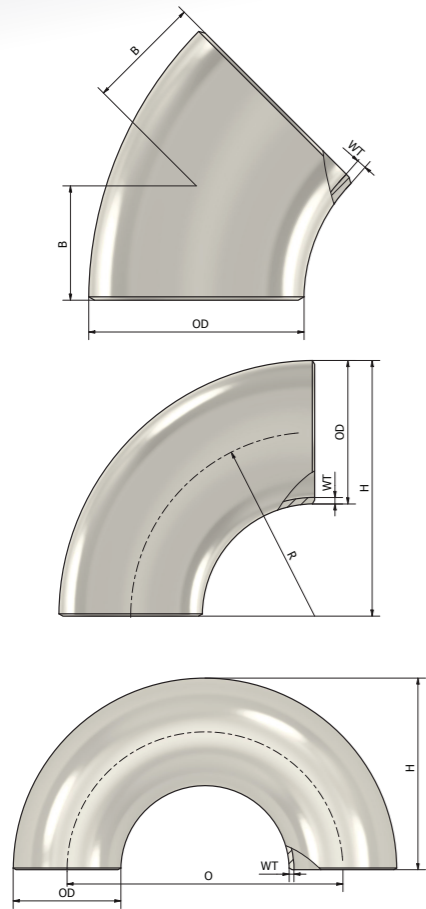
### Partnership

long-term relationships with customers and suppliers

We aim to be a trusted partner, not just a supplier.

# Long Radius ELBOWS 3D

## Elbows Model 3D



## EN 10253-2 Elbows

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 25 - DN 250

Long radius elbows for controlled flow in pressure piping systems

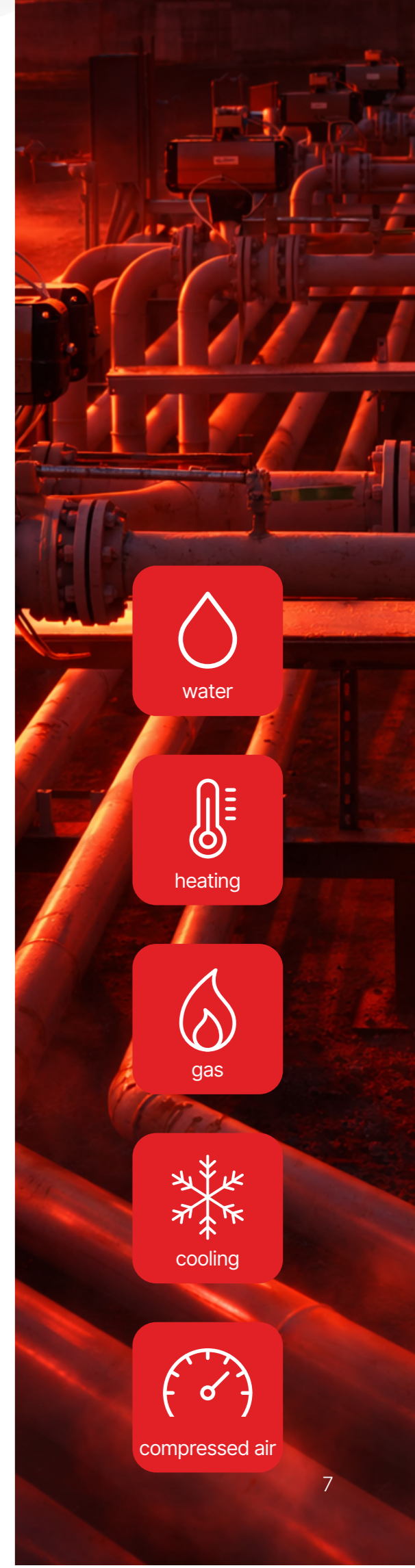
- Long radius geometry for reduced flow resistance
- Suitable for pressure piping systems
- Designed for full-penetration welded connections
- Dimensional accuracy according to EN 10253-2
- Carbon steel construction for mechanical stability

### EN 10253-2

DN	OD	WT	R	O	H	m
	mm	mm(SCH)	mm	mm	mm	Kg
25	33.7	2.6	38	76	56	0.12
25	33.7	2.9	38	76	56	0.13
25	33.7	3.2	38	76	56	0.14
25	33.7	3.6	38	76	56	0.16
25	33.7	4	38	76	56	0.18
25	33.7	4.5	38	76	56	0.19
25	33.7	5	38	76	56	0.21
32	42.4	2.6	48	96	69	0.19
32	42.4	2.9	48	96	69	0.21
32	42.4	3.2	48	96	69	0.23
32	42.4	3.6	48	96	69	0.26
32	42.4	4	48	96	69	0.29
32	42.4	4.5	48	96	69	0.32
32	42.4	5	48	96	69	0.35
40	48.3	2.6	57	114	82	0.26
40	48.3	2.9	57	114	82	0.29
40	48.3	3.2	57	114	82	0.32
40	48.3	3.6	57	114	82	0.36
40	48.3	4	57	114	82	0.39
40	48.3	4.5	57	114	82	0.44
40	48.3	5	57	114	82	0.49
40	48.3	5.6	57	114	82	0.53
40	48.3	6.3	57	114	82	0.59
50	60.3	2.9	76	152	106	0.49
50	60.3	3.2	76	152	106	0.54
50	60.3	3.6	76	152	106	0.60
50	60.3	4	76	152	106	0.67

### EN 10253-2

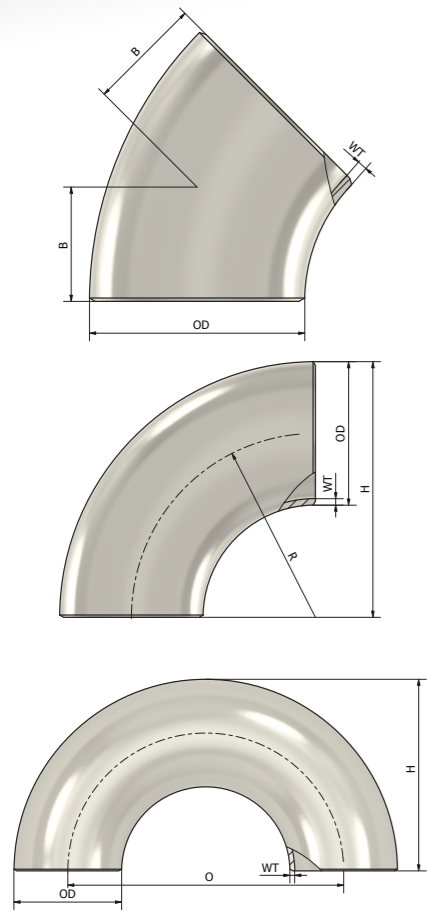
DN	OD	WT	R	O	H	m
	mm	mm(SCH)	mm	mm	mm	Kg
50	60.3	4.5	76	152	106	0.74
50	60.3	5	76	152	106	0.82
50	60.3	5.6	76	152	106	0.90
50	60.3	6.3	76	152	106	1.01
50	60.3	7.1	76	152	106	1.12
50	60.3	8	76	152	106	1.24
50	60.3	8.8	76	152	106	1.34
65	76.1	2.9	95	190	133	0.78
65	76.1	3.2	95	190	133	0.86
65	76.1	3.6	95	190	133	0.96
65	76.1	4	95	190	133	1.07
65	76.1	4.5	95	190	133	1.19
65	76.1	5	95	190	133	1.31
65	76.1	5.6	95	190	133	1.46
80	88.9	3.2	114	228	159	1.22
80	88.9	3.6	114	228	159	1.36
80	88.9	4	114	228	159	1.51
80	88.9	4.5	114	228	159	1.68
80	88.9	5	114	228	159	1.86
80	88.9	5.6	114	228	159	2.07
80	88.9	6.3	114	228	159	2.31
80	88.9	7.1	114	228	159	2.58
80	88.9	8	114	228	159	2.87
100	108	3.6	142.5	285	196	2.08
100	108	4	142.5	285	196	2.31
100	108	4.5	142.5	285	196	2.58
100	114.3	3.6	152	304	210	2.36



# Long Radius ELBOWS 3D



## Elbows Model 3D



## EN 10253-2 Elbows

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 25 - DN 250

Long radius carbon steel elbows are designed to ensure efficient flow redirection with minimal pressure loss and reduced turbulence.

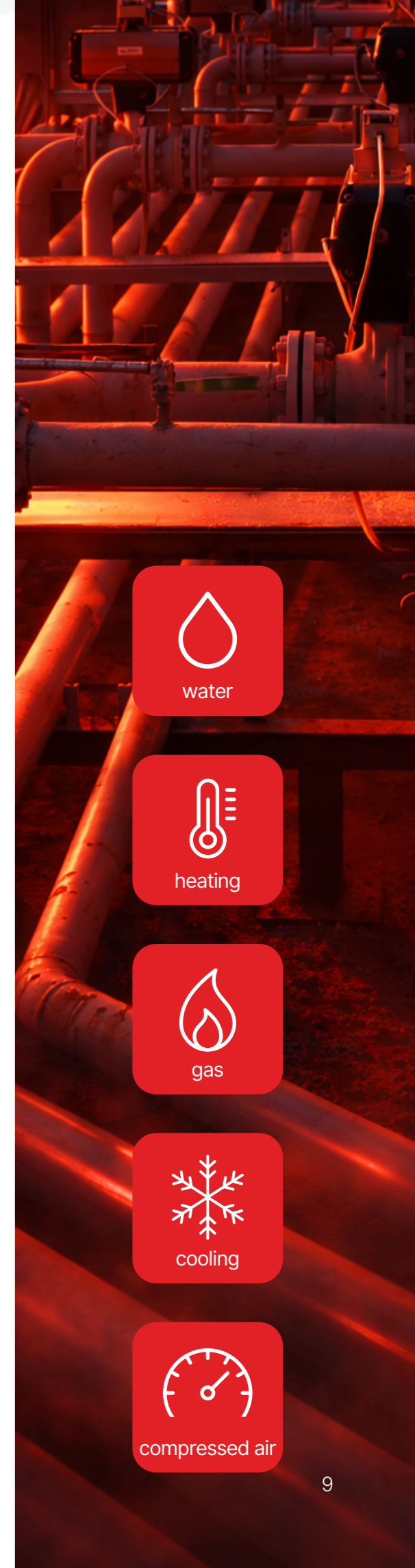
- Optimized long radius design for smooth flow
- High resistance to pressure and temperature
- Suitable for full-penetration welding
- Consistent quality and dimensional precision
- Ideal for industrial and energy applications

## EN 10253-2

DN	OD	WT	R	O	H	m
	mm	mm(SCH)	mm	mm	mm	Kg
100	114.3	4	152	304	210	2.61
100	114.3	4.5	152	304	210	2.92
100	114.3	5	152	304	210	3.23
100	114.3	5.6	152	304	210	3.60
100	114.3	6.3	152	304	210	4.02
100	114.3	7.1	152	304	210	4.50
100	114.3	8	152	304	210	5.03
100	114.3	8.8	152	304	210	5.50
100	114.3	10	152	304	210	6.17
100	114.3	11	152	304	210	6.79
100	114.3	12.5	152	304	210	7.52
125	133	4	181	362	247	3.63
125	133	5	181	362	247	4.51
125	133	5.6	181	362	247	5.02
125	133	6.3	181	362	247	5.62
125	139.7	4	190	380	260	4.00
125	139.7	4.5	190	380	260	4.50
125	139.7	5	190	380	260	4.98
125	139.7	5.6	190	380	260	5.55
125	139.7	6.3	190	380	260	6.52
125	139.7	7.1	190	380	260	6.96
125	139.7	8	190	380	260	7.80
125	139.7	8.8	190	380	260	8.50
125	139.7	10	190	380	260	9.60
125	139.7	11	190	380	260	10.46
125	139.7	12.5	190	380	260	12.07
150	159	4.5	216	432	295	5.84

## EN 10253-2

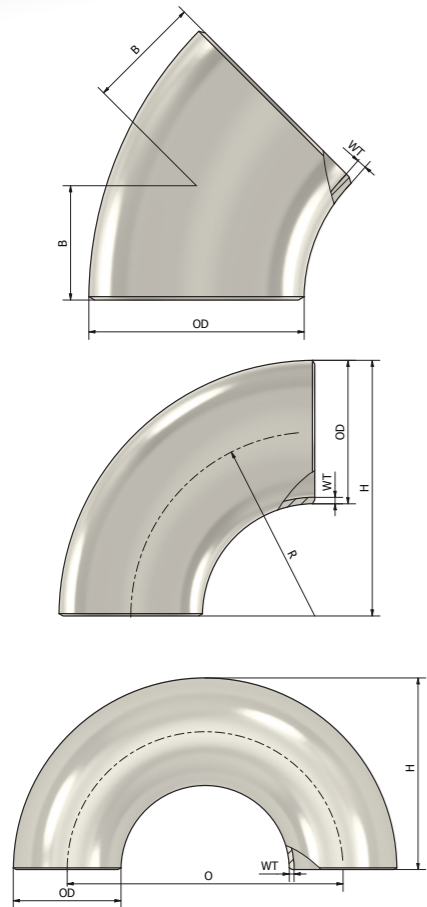
DN	OD	WT	R	O	H	m
	mm	mm(SCH)	mm	mm	mm	Kg
150	159	5.6	216	432	295	7.22
150	159	6.3	216	432	295	8.08
150	168.3	4	229	457	313	5.85
150	168.3	4.5	229	457	313	6.57
150	168.3	5.6	229	457	313	8.12
150	168.3	6.3	229	457	313	9.10
150	168.3	7.1	229	457	313	10.20
150	168.3	8	229	457	313	11.42
150	168.3	8.8	229	457	313	12.50
150	168.3	10	229	457	313	14.10
150	168.3	11	229	457	313	15.40
150	168.3	12.5	229	457	313	17.35
200	219.1	6.3	305	610	414	15.90
200	219.1	7.1	305	610	414	17.86
200	219.1	8	305	610	414	20.00
200	219.1	8.8	305	610	414	21.95
200	219.1	10	305	610	414	24.80
200	219.1	11	305	610	414	27.16
200	219.1	12.5	305	610	414	31.10
250	273	6.3	381	762	518	25.00
250	273	7.1	381	762	518	27.90
250	273	8	381	762	518	31.42
250	273	8.8	381	762	518	34.45
250	273	10	381	762	518	39.00
250	273	11	381	762	518	42.71
250	273	12.5	381	762	518	49.00



# Long Radius ELBOWS3D



## Elbows Model 3D



High-performance long radius elbows for low to high pressure applications

Long radius carbon steel elbows are engineered to provide smooth flow redirection and reduced pressure loss in piping systems operating under low to high pressure conditions. Their optimized geometry minimizes turbulence and mechanical stress, contributing to increased system efficiency and reliability.

Manufactured in accordance with ASME B16.9, these elbows ensure consistent dimensional accuracy, high mechanical strength, and excellent performance in demanding industrial environments.

### ASME B16.9 Elbows

material	wrought carbon steel & alloy steel
suitable for	low to high pressure piping systems
connection	full-penetration welding
dimensions	DN 1" - DN 10"

#### ASME B16.9 Elbows

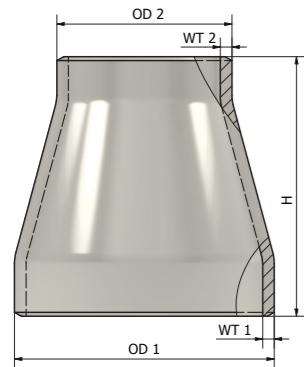
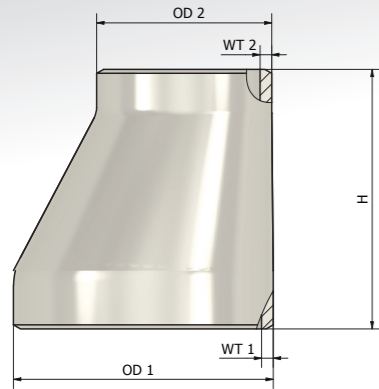
- Long radius design for optimized flow characteristics
- Suitable for low to high pressure piping systems
- Full-penetration welding connection
- High resistance to pressure and temperature variations
- Reliable performance in industrial and energy applications

### ASME B16.9

DN	OD	WT	R	B	O	H	m
	mm	mm (SCH)	mm	mm	mm	mm	Kg
1"	33.4	3.38 (STD / 40)	38	22	76	56	0.15
1"	33.4	4.55 (XS / 80)	38	22	76	56	0.19
1¼"	42.2	3.56 (STD / 40)	48	25	95	70	0.26
1¼"	42.2	4.85 (XS / 80)	48	25	95	70	0.34
1½"	48.3	3.68 (STD / 40)	57	29	114	83	0.36
1½"	48.3	5.08 (XS / 80)	57	29	114	83	0.49
2"	60.3	3.91 (STD / 40)	76	35	152	106	0.67
2"	60.3	5.54 (XS / 80)	76	35	152	106	0.90
2½"	73	5.16 (STD / 40)	95	44	190	132	1.29
2½"	73	7.01 (XS / 80)	95	44	190	132	1.71
3"	88.9	5.49 (STD / 40)	114	51	229	159	2.07
3"	88.9	7.62 (XS / 80)	114	51	229	159	2.87
4"	114.3	6.02 (STD / 40)	152	64	305	210	3.85
4"	114.3	8.56 (XS / 80)	152	64	305	210	5.50
4"	114.3	11.13 (120)	152	64	305	210	6.79
5"	141.3	6.55 (STD / 40)	190	79	381	262	6.52
5"	141.3	9.53 (XS / 80)	190	79	381	262	9.28
5"	141.3	12.7 (120)	190	79	381	262	12.07
6"	168.3	7.11 (STD / 40)	229	95	457	313	10.20
6"	168.3	10.97 (XS / 80)	229	95	457	313	15.40
8"	219.1	6.35 (20)	305	127	610	414	15.90
8"	219.1	7.04 (30)	305	127	610	414	17.86
8"	219.1	8.18 (STD / 40)	305	127	610	414	20.00
8"	219.1	10.31 (60)	305	127	610	414	25.54
8"	219.1	12.7 (XS / 80)	305	127	610	414	31.10
10"	273	6.35 (20)	381	159	762	518	25.00
10"	273	7.8 (30)	381	159	762	518	31.42
10"	273	9.27 (STD / 40)	381	159	762	518	36.23
10"	273	12.7 (XS / 60)	381	159	762	518	49.00



# REDUCERS



## EN 10253-2 Reducers

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 25 x 15 - DN 250 x 200

### Reducers for diameter transition in pressure piping systems

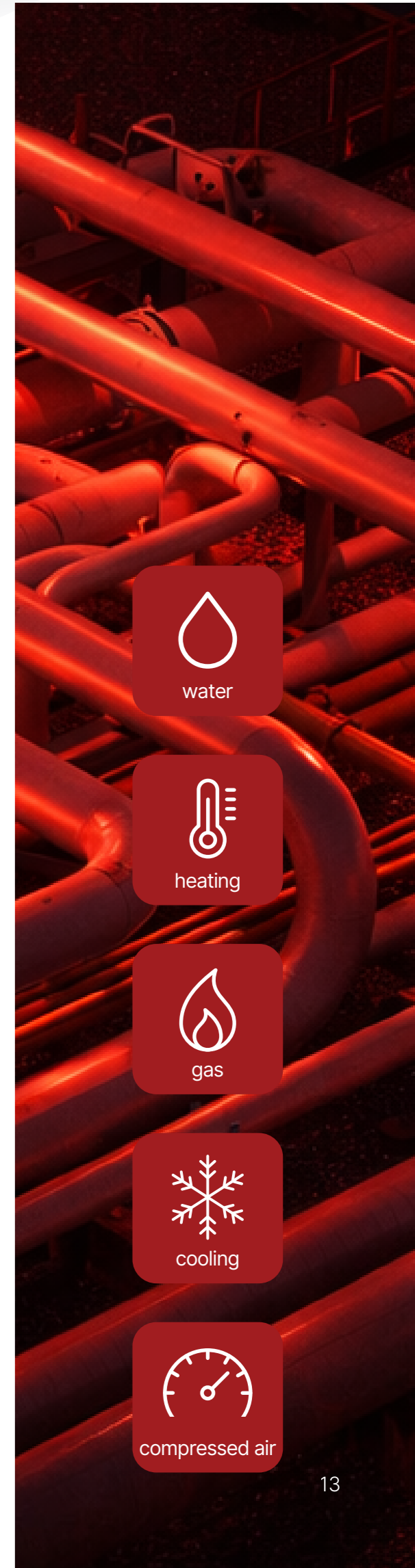
- Controlled diameter reduction for stable flow behavior
- Suitable for pressure piping systems
- Available in concentric and eccentric configurations
- Designed for full-penetration welded connections
- Dimensional accuracy according to EN 10253-2
- Carbon steel construction for structural integrity

## EN 10253-2

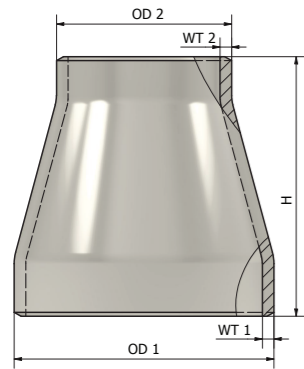
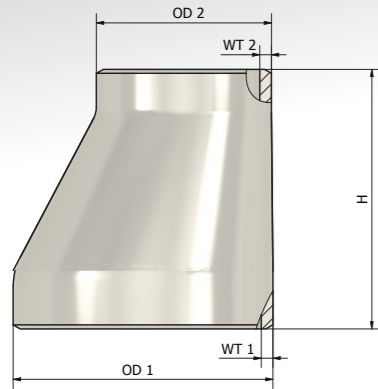
DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
25 x 15	33.7	2.6	21.3	2	51	0.10
25 x 15	33.7	2.6	21.3	2.6	51	0.10
25 x 15	33.7	3.2	21.3	2.6	51	0.12
25 x 20	33.7	2.6	26.9	2.3	51	0.10
25 x 20	33.7	3.2	26.9	2.6	51	0.12
32 x 15	42.4	2.6	21.3	2	51	0.13
32 x 15	42.4	3.6	21.3	2.6	51	0.18
32 x 15	42.4	3.6	21.3	3.2	51	0.17
32 x 20	42.4	2.6	26.9	2.3	51	0.13
32 x 20	42.4	3.6	26.9	2.6	51	0.18
32 x 25	42.4	2.6	33.7	2.6	51	0.13
32 x 25	42.4	3.6	33.7	3.2	51	0.18
40 x 20	48.3	2.6	26.9	2.3	64	0.19
40 x 20	48.3	3.6	26.9	2.6	64	0.25
40 x 20	48.3	4	26.9	3.2	64	0.28
40 x 25	48.3	2.6	33.7	2.6	64	0.19
40 x 25	48.3	3.6	33.7	3.2	64	0.25
40 x 25	48.3	4	33.7	4	64	0.28
40 x 25	48.3	5	33.7	4.5	64	0.34
40 x 32	48.3	2.6	42.4	2.6	64	0.19
40 x 32	48.3	3.6	42.4	3.6	64	0.25
40 x 32	48.3	4	42.4	4	64	0.28
40 x 32	48.3	5	42.4	5	64	0.34
40 x 32	48.3	6.3	42.4	6.3	64	0.42
40 x 32	48.3	8	42.4	8	64	0.51
50 x 25	60.3	4	33.7	4	76	0.42
50 x 25	60.3	5.6	33.7	4.5	76	0.57

## EN 10253-2

DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
50 x 32	60.3	2.9	42.4	2.6	76	0.31
50 x 32	60.3	3.6	42.4	3.6	76	0.38
50 x 32	60.3	4	42.4	4	76	0.42
50 x 32	60.3	5.6	42.4	5	76	0.57
50 x 40	60.3	4	48.3	4	76	0.42
50 x 40	60.3	5.6	48.3	5	76	0.57
50 x 40	60.3	7.1	48.3	6.3	76	0.71
65 x 25	76.1	2.9	33.7	2.6	89	0.47
65 x 25	76.1	3.6	33.7	3.2	89	0.57
65 x 25	76.1	4.5	33.7	3.2	89	0.79
65 x 25	76.1	5.6	33.7	4	89	0.87
65 x 25	76.1	7.1	33.7	4.5	89	1.08
65 x 32	76.1	2.9	42.4	2.6	89	0.47
65 x 32	76.1	3.6	42.4	3.6	89	0.57
65 x 32	76.1	4.5	42.4	3.6	89	0.79
65 x 32	76.1	5.6	42.4	4	89	0.87
65 x 32	76.1	7.1	42.4	5	89	1.08
65 x 40	76.1	2.9	48.3	2.6	89	0.47
65 x 40	76.1	3.6	48.3	3.6	89	0.57
65 x 40	76.1	4.5	48.3	4	89	0.79
65 x 40	76.1	5.6	48.3	4	89	0.87
65 x 40	76.1	7.1	48.3	5	89	1.08
65 x 50	76.1	2.9	60.3	2.9	89	0.47
65 x 50	76.1	3.6	60.3	3.6	89	0.57
65 x 50	76.1	4.5	60.3	4	89	0.79
65 x 50	76.1	5.6	60.3	4	89	0.87
65 x 50	76.1	7.1	60.3	5.6	89	1.08



# REDUCERS



## EN 10253-2 Reducers

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 25 x 15 - DN 250 x 200

Reducers for welded pressure piping systems

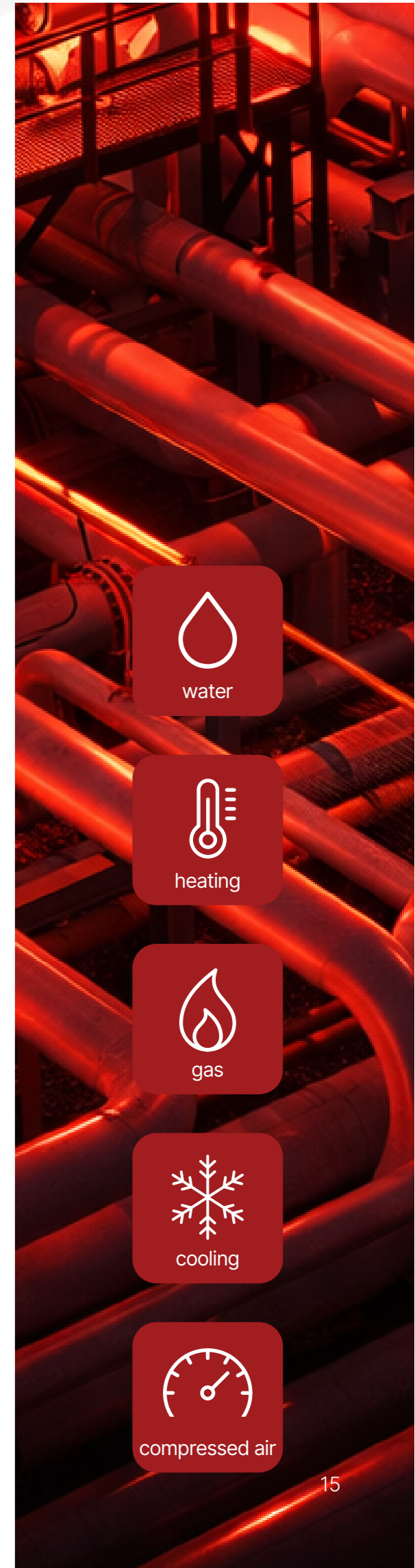
- Designed for diameter transition in pressure piping
- Suitable for full-penetration welded connections
- Available in concentric and eccentric configurations
- Dimensional accuracy according to EN 10253-2
- Carbon steel construction for structural reliability

### EN 10253-2

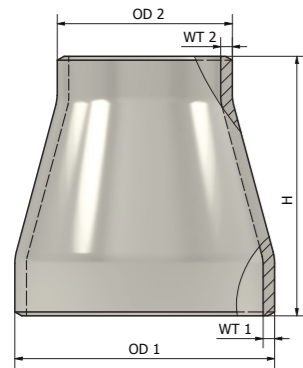
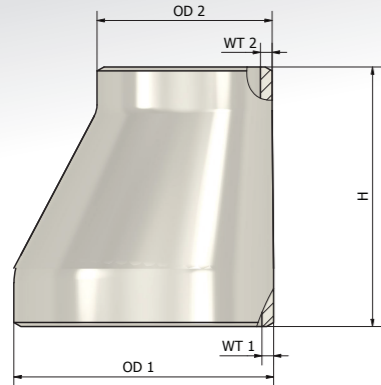
DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
80 x 25	88.9	3.2	33.7	2.6	89	0.61
80 x 25	88.9	4.5	33.7	4	89	0.61
80 x 25	88.9	5.6	33.7	4.5	89	1.04
80 x 32	88.9	3.2	42.4	2.6	89	0.61
80 x 32	88.9	4	42.4	3.6	89	0.75
80 x 32	88.9	5.6	42.4	4	89	1.02
80 x 32	88.9	8	42.4	5	89	1.42
80 x 32	88.9	8	42.4	6.3	89	1.55
80 x 40	88.9	3.2	48.3	2.6	89	0.60
80 x 40	88.9	4	48.3	3.6	89	0.75
80 x 40	88.9	5.6	48.3	4	89	1.02
80 x 40	88.9	8	48.3	5.6	89	1.42
80 x 50	88.9	3.2	60.3	2.9	89	0.60
80 x 50	88.9	4	60.3	3.6	89	0.75
80 x 50	88.9	5.6	60.3	4	89	1.02
80 x 50	88.9	8	60.3	5.6	89	1.42
80 x 65	88.9	3.2	76.1	2.9	89	0.60
80 x 65	88.9	4	76.1	3.6	89	0.75
80 x 65	88.9	5.6	76.1	5.6	89	1.02
80 x 65	88.9	8	76.1	7.1	89	1.42
100 x 32	114.3	3.6	42.4	2.6	102	0.98
100 x 32	114.3	4.5	42.4	3.2	102	0.98
100 x 32	114.3	5.6	42.4	4	102	0.98
100 x 32	114.3	6.3	42.4	3.6	102	1.68
100 x 32	114.3	8.8	42.4	4	102	2.29
100 x 40	114.3	3.6	48.3	2.6	102	1.00
100 x 40	114.3	4.5	48.3	3.6	102	1.24

### EN 10253-2

DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
100 x 40	114.3	6.3	48.3	4	102	1.71
100 x 40	114.3	8.8	48.3	5	102	2.34
100 x 50	114.3	3.6	60.3	2.9	102	1.00
100 x 50	114.3	4.5	60.3	3.6	102	1.24
100 x 50	114.3	6.3	60.3	4.5	102	1.71
100 x 50	114.3	8.8	60.3	5.6	102	2.34
100 x 65	114.3	3.6	76.1	2.9	102	1.00
100 x 65	114.3	4.5	76.1	3.6	102	1.24
100 x 65	114.3	6.3	76.1	5.6	102	1.71
100 x 65	114.3	8.8	76.1	7.1	102	2.34
100 x 80	114.3	3.6	88.9	3.2	102	1.00
100 x 80	114.3	4.5	88.9	4	102	1.24
100 x 80	114.3	6.3	88.9	5.6	102	1.71
100 x 80	114.3	8.8	88.9	8	102	2.34
125 x 50	139.7	4	60.3	2.9	127	1.70
125 x 50	139.7	5	60.3	3.6	127	2.11
125 x 50	139.7	6.3	60.3	4	127	2.63
125 x 50	139.7	8.8	60.3	5.6	127	4.06
125 x 65	139.7	4	76.1	2.9	127	1.70
125 x 65	139.7	5	76.1	3.6	127	2.11
125 x 65	139.7	6.3	76.1	5.6	127	2.63
125 x 65	139.7	8.8	76.1	6.3	127	4.06
125 x 65	139.7	10	76.1	7.1	127	4.06
125 x 80	139.7	4	88.9	3.2	127	1.70
125 x 80	139.7	5	88.9	4	127	2.11
125 x 80	139.7	6.3	88.9	5.6	127	2.63
125 x 80	139.7	8.8	88.9	6.3	127	4.06



# REDUCERS



## EN 10253-2 Reducers

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 25 x 15 - DN 250 x 200

Reducers for structural continuity in pressure piping

- Gradual diameter transition to reduce stress concentration
- Designed for welded pressure piping systems
- Full-penetration welding compatibility
- Dimensional tolerances in accordance with EN 10253-2
- Carbon steel construction for mechanical durability.

### EN 10253-2

DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
125 x 80	139.7	10	88.9	8	127	4.06
125 x 100	139.7	4	114.3	3.6	127	1.70
125 x 100	139.7	5	114.3	4.5	127	2.11
125 x 100	139.7	6.3	114.3	6.3	127	2.63
125 x 100	139.7	8.8	114.3	6.3	127	4.06
125 x 100	139.7	10	114.3	8.8	127	4.06
150 x 50	168.3	4.5	60.3	2.9	140	2.54
150 x 50	168.3	7.1	60.3	4.5	140	3.95
150 x 65	168.3	4.5	76.1	2.9	140	2.54
150 x 65	168.3	5.6	76.1	3.6	140	3.15
150 x 65	168.3	7.1	76.1	5.6	140	3.95
150 x 65	168.3	8.8	76.1	6.3	140	5.97
150 x 65	168.3	11	76.1	7.1	140	5.97
150 x 80	168.3	4.5	88.9	3.2	140	2.54
150 x 80	168.3	5.6	88.9	4	140	3.15
150 x 80	168.3	7.1	88.9	5.6	140	3.95
150 x 80	168.3	8.8	88.9	6.3	140	3.95
150 x 80	168.3	11	88.9	8	140	5.97
150 x 100	168.3	4.5	114.3	3.6	140	2.54
150 x 100	168.3	5.6	114.3	4.5	140	3.15
150 x 100	168.3	7.1	114.3	6.3	140	3.95
150 x 100	168.3	11	114.3	8.8	140	5.97
150 x 125	168.3	4.5	139.7	4	140	2.54
150 x 125	168.3	5.6	139.7	5	140	3.15
150 x 125	168.3	7.1	139.7	6.3	140	3.95
150 x 125	168.3	8.8	139.7	6.3	140	3.95
150 x 125	168.3	11	139.7	10	140	5.97

### EN 10253-2

DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
200 x 80	219.1	6.3	88.9	3.2	152	5.03
200 x 80	219.1	7.1	88.9	4	152	5.64
200 x 80	219.1	8	88.9	5.6	152	6.33
200 x 100	219.1	6.3	114.3	3.6	152	5.03
200 x 100	219.1	7.1	114.3	5.6	152	5.64
200 x 100	219.1	8	114.3	6.3	152	6.33
200 x 125	219.1	6.3	139.7	4	152	5.03
200 x 125	219.1	7.1	139.7	5	152	5.64
200 x 125	219.1	8	139.7	6.3	152	6.33
200 x 150	219.1	6.3	168.3	4.5	152	5.03
200 x 150	219.1	7.1	168.3	5.6	152	5.64
200 x 150	219.1	8	168.3	7.1	152	6.33
250 x 100	273	6.3	114.3	3.6	178	7.38
250 x 100	273	8.8	114.3	4.5	178	10.21
250 x 100	273	10	114.3	6.3	178	11.55
250 x 125	273	6.3	139.7	4	178	7.38
250 x 125	273	8.8	139.7	5	178	10.21
250 x 125	273	10	139.7	6.3	178	11.55
250 x 150	273	6.3	168.3	4.5	178	7.38
250 x 150	273	8.8	168.3	5.6	178	10.21
250 x 150	273	10	168.3	7.1	178	11.55
250 x 200	273	6.3	219.1	6.3	178	7.38
250 x 200	273	8.8	219.1	7.01	178	10.21
250 x 200	273	10	219.1	8	178	11.55



water



heating



gas

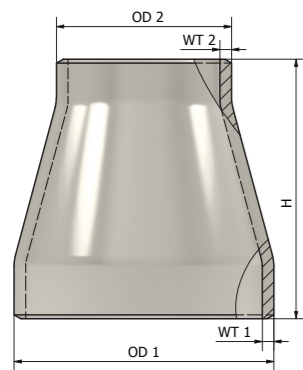
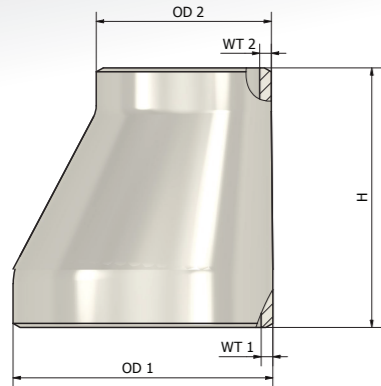


cooling



compressed air

# REDUCERS



## Optimized diameter transition for welded piping systems

Carbon steel reducers are engineered to provide a controlled transition between different nominal pipe sizes in welded piping systems. Their design ensures uniform stress distribution and stable flow conditions, reducing the risk of turbulence, pressure loss, and mechanical overload at diameter change points.

Manufactured in accordance with ASME B16.9, these reducers offer reliable dimensional accuracy and mechanical performance, making them suitable for low to high pressure industrial piping applications.

### ASME B16.9 Reducers

material	wrought carbon steel & alloy steel
suitable for	low to high pressure piping systems
connection	full-penetration welding
dimensions	DN 1" x 1/2" - DN 10" x 8"

#### Reducers for diameter transition in ASME piping systems

- Designed for ASME welded piping systems
- Controlled diameter transition for flow stability
- Suitable for full-penetration welded connections
- Dimensional compliance with ASME B16.9
- Carbon steel construction for pressure applications

### ASME B16.9

DN	OD1 mm	WT1 mm(SCH)	OD2 mm	WT2 mm(SCH)	H mm	m Kg
1" x 1/2"	33.4	3.38 (STD / 40)	21.3	2.77 (STD / 40)	51	0.13
1" x 3/4"	33.4	3.38 (STD / 40)	26.7	2.87 (STD / 40)	51	0.13
1 1/4" x 1/2"	42.2	3.56 (STD / 40)	21.3	2.77 (STD / 40)	51	0.17
1 1/4" x 3/4"	42.2	3.56 (STD / 40)	26.7	2.87 (STD / 40)	51	0.17
1 1/4" x 1"	42.2	3.56 (STD / 40)	33.4	3.38 (STD / 40)	51	0.17
1 1/2" x 3/4"	48.3	3.68 (STD / 40)	26.7	2.87 (STD / 40)	64	0.25
1 1/2" x 1"	48.3	3.68 (STD / 40)	33.4	3.38 (STD / 40)	64	0.25
1 1/2" x 1"	48.3	5.08 (XS / 80)	33.4	4.55 (XS / 80)	64	0.34
1 1/2" x 1 1/4"	48.3	3.68 (STD / 40)	42.2	3.56 (STD / 40)	64	0.25
1 1/2" x 1 1/4"	48.3	5.08 (XS / 80)	42.2	4.85 (XS / 80)	64	0.34
1 1/2" x 1 1/4"	48.3	7.14 (160)	42.2	6.35 (160)	64	0.46
2" x 1"	60.3	3.91 (STD / 40)	33.4	3.38 (STD / 40)	76	0.42
2" x 1"	60.3	5.54 (XS / 80)	33.4	4.55 (XS / 80)	76	0.57
2" x 1 1/4"	60.3	3.91 (STD / 40)	42.2	3.56 (STD / 40)	76	0.42
2" x 1 1/4"	60.3	5.54 (XS / 80)	42.2	4.85 (XS / 80)	76	0.57
2" x 1 1/2"	60.3	3.91 (STD / 40)	48.3	3.68 (STD / 40)	76	0.42
2" x 1 1/2"	60.3	5.54 (XS / 80)	48.3	5.08 (XS / 80)	76	0.57
2 1/2" x 1 1/4"	73	5.16 (STD / 40)	42.2	3.56 (STD / 40)	89	0.83
2 1/2" x 1 1/4"	73	7.01 (XS / 80)	42.2	4.85 (XS / 80)	89	1.03
2 1/2" x 1 1/2"	73	5.16 (STD / 40)	48.3	3.68 (STD / 40)	89	0.83
2 1/2" x 1 1/2"	73	7.01 (XS / 80)	48.3	5.08 (XS / 80)	89	1.03
2 1/2" x 2"	73	5.16 (STD / 40)	60.3	3.91 (STD / 40)	89	0.83
2 1/2" x 2"	73	7.01 (XS / 80)	60.3	5.54 (XS / 80)	89	1.03
3" x 1"	88.9	5.49 (STD / 40)	33.4	3.38 (STD / 40)	89	1.02
3" x 1 1/4"	88.9	5.49 (STD / 40)	42.2	3.56 (STD / 40)	89	1.02
3" x 1 1/2"	88.9	5.49 (STD / 40)	48.3	3.68 (STD / 40)	89	1.02
3" x 1 1/2"	88.9	7.62 (XS / 80)	48.3	5.08 (XS / 80)	89	1.42
3" x 2"	88.9	5.49 (STD / 40)	60.3	3.91 (STD / 40)	89	1.02
3" x 2"	88.9	7.62 (XS / 80)	60.3	5.54 (XS / 80)	89	1.42

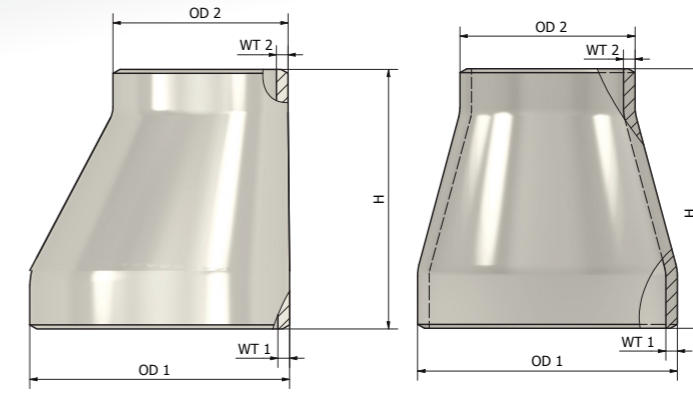


# REDUCERS



## ASME B16.9

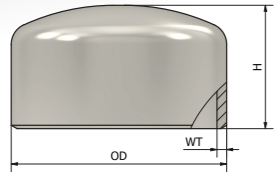
DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
3" x 2½"	88.9	5.49 (STD / 40)	73	5.16 (STD / 40)	89	1.02
3" x 2½"	88.9	7.62 (XS / 80)	73	7.01 (XS / 80)	89	1.42
4" x 1¼"	114.3	6.02 (STD / 40)	42.2	3.56 (STD / 40)	102	1.71
4" x 1¼"	114.3	8.56 (XS / 80)	42.2	4.85 (XS / 80)	102	2.34
4" x 1½"	114.3	6.02 (STD / 40)	48.3	3.68 (STD / 40)	102	1.71
4" x 1½"	114.3	8.56 (XS / 80)	48.3	5.08 (XS / 80)	102	2.34
4" x 2"	114.3	6.02 (STD / 40)	60.3	3.91 (STD / 40)	102	1.71
4" x 2"	114.3	8.56 (XS / 80)	60.3	5.54 (XS / 80)	102	2.34
4" x 2½"	114.3	6.02 (STD / 40)	73	5.16 (STD / 40)	102	1.71
4" x 2½"	114.3	8.56 (XS / 80)	73	7.01 (XS / 80)	102	2.34
4" x 3"	114.3	6.02 (STD / 40)	88.9	5.49 (STD / 40)	102	1.71
4" x 3"	114.3	8.56 (XS / 80)	88.9	7.62 (XS / 80)	102	2.34
5" x 2"	141.3	6.55 (STD / 40)	60.3	3.91 (STD / 40)	127	2.66
5" x 2"	141.3	9.53 (XS / 80)	60.3	5.54 (XS / 80)	127	4.11
5" x 2½"	141.3	6.55 (STD / 40)	73	5.16 (STD / 40)	127	2.66
5" x 2½"	141.3	9.53 (XS / 80)	73	7.01 (XS / 80)	127	4.11
5" x 3"	141.3	6.55 (STD / 40)	88.9	5.49 (STD / 40)	127	2.66
5" x 3"	141.3	9.53 (XS / 80)	88.9	7.62 (XS / 80)	127	4.11
5" x 4"	141.3	6.55 (STD / 40)	114.3	6.02 (STD / 40)	127	2.66
5" x 4"	141.3	9.53 (XS / 80)	114.3	8.56 (XS / 80)	127	4.11
6" x 2"	168.3	7.11 (STD / 40)	60.3	3.91 (STD / 40)	140	3.95
6" x 2"	168.3	10.97 (XS / 80)	60.3	5.54 (XS / 80)	140	5.97
6" x 2½"	168.3	7.11 (STD / 40)	73	5.16 (STD / 40)	140	3.95
6" x 2½"	168.3	10.97 (XS / 80)	73	7.01 (XS / 80)	140	5.97
6" x 3"	168.3	7.11 (STD / 40)	88.9	5.49 (STD / 40)	140	3.95



## ASME B16.9

DN	OD1	WT1	OD2	WT2	H	m
	mm	mm <sup>(SCH)</sup>	mm	mm <sup>(SCH)</sup>	mm	Kg
6" x 3"	168.3	10.97 (XS / 80)	88.9	7.62 (XS / 80)	140	5.97
6" x 4"	168.3	7.11 (STD / 40)	114.3	6.02 (STD / 40)	140	3.95
6" x 4"	168.3	10.97 (XS / 80)	114.3	8.56 (XS / 80)	140	5.97
6" x 5"	168.3	7.11 (STD / 40)	141.3	6.55 (STD / 40)	140	3.95
6" x 5"	168.3	10.97 (XS / 80)	141.3	9.53 (XS / 80)	140	5.97
8" x 3"	219.1	6.35 (20)	88.9	5.49 (STD / 40)	152	5.03
8" x 3"	219.1	7.04 (30)	88.9	5.49 (STD / 40)	152	5.64
8" x 3"	219.1	8.18 (STD / 40)	88.9	5.49 (STD / 40)	152	6.33
8" x 4"	219.1	6.35 (20)	114.3	6.02 (STD / 40)	152	5.03
8" x 4"	219.1	7.04 (30)	114.3	6.02 (STD / 40)	152	5.64
8" x 4"	219.1	8.18 (STD / 40)	114.3	6.02 (STD / 40)	152	6.33
8" x 5"	219.1	7.04 (30)	141.3	6.55 (STD / 40)	152	5.64
8" x 5"	219.1	8.18 (STD / 40)	141.3	6.55 (STD / 40)	152	6.33
8" x 6"	219.1	8.18 (STD / 40)	168.3	7.11 (STD / 40)	152	6.33
10" x 4"	273	6.35 (20)	114.3	6.02 (STD / 40)	178	7.38
10" x 4"	273	7.8 (30)	114.3	6.02 (STD / 40)	178	9.31
10" x 4"	273	9.27 (STD / 40)	114.3	6.02 (STD / 40)	178	11.55
10" x 5"	273	7.8 (30)	141.3	6.55 (STD / 40)	178	9.31
10" x 5"	273	9.27 (STD / 40)	141.3	6.55 (STD / 40)	178	11.55
10" x 6"	273	7.8 (30)	168.3	7.11 (STD / 40)	178	9.31
10" x 6"	273	9.27 (STD / 40)	168.3	7.11 (STD / 40)	178	11.55
10" x 8"	273	6.35 (20)	219.1	6.35 (20)	178	7.38
10" x 8"	273	7.8 (30)	219.1	7.04 (30)	178	9.31
10" x 8"	273	9.27 (STD / 40)	219.1	8.18 (STD / 40)	178	11.55





## EN 10253-2

DN	OD	WT	H	m
mm	mm	mm(SCH)	mm	Kg
25	33.7	2.6	25	0.09
25	33.7	3.2	25	0.11
25	33.7	3.6	25	0.12
32	42.4	2.6	38	0.10
32	42.4	3.6	38	0.14
32	42.4	4	38	0.16
40	48.3	2.6	38	0.12
40	48.3	3.6	38	0.17
40	48.3	4	38	0.19
50	60.3	2.9	38	0.17
50	60.3	3.6	38	0.23
50	60.3	4	38	0.23
65	76.1	2.9	38	0.24
65	76.1	3.6	38	0.30
65	76.1	5.6	38	0.46
80	88.9	3.2	51	0.38
80	88.9	4	51	0.47
80	88.9	4.5	88.9	0.47
80	88.9	5.6	51	0.66
100	114.3	3.6	64	0.70
100	114.3	4	64	0.7
100	114.3	4.5	64	0.7
100	114.3	5	64	0.7
100	114.3	5.6	64	0.7
100	114.3	6.3	64	1.17
125	139.7	4	76	1.21
125	139.7	4.5	76	1.21

### EN 10253-2 Caps

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 25 - DN 250

### ASME B16.9 Caps

material	carbon steel & alloy steel
suitable for	pressure piping systems
connection	full-penetration welding
dimensions	DN 1" - DN 10"

Secure closure and pressure resistance for piping systems

- Reliable sealing of pipe ends
- Uniform stress distribution under pressure
- Suitable for full-penetration welded connections
- Compliance with EN and ASME standards
- Carbon steel construction for mechanical durability

## EN 10253-2

DN	OD	WT	H	m
mm	mm	mm(SCH)	mm	Kg
125	139.7	5	76	1.21
125	139.7	5.6	76	1.21
125	139.7	6.3	76	1.91
150	168.3	4.5	89	1.84
150	168.3	5.6	89	2.29
150	168.3	7.1	89	2.90
200	219.1	6.3	102	4.09
200	219.1	7.1	102	4.61
200	219.1	8	102	5.19
250	273	6.3	127	6.22

## ASME B16.9

DN	OD	WT	H	m
mm	mm	mm(SCH)	mm	Kg
1"	33.4	3.38 (STD / 40)	38	0.11
1¼"	42.2	3.56 (STD / 40)	38	0.14
1½"	48.3	3.68 (STD / 40)	38	0.17
2"	60.3	3.91 (STD / 40)	38	0.23
2"	60.3	4.5	38	0.33
3"	88.9	5.49 (STD / 40)	51	0.66
4"	114.3	6.02 (STD / 40)	64	1.17
5"	141.3	6.55 (STD / 40)	76	1.93
6"	168.3	7.11 (STD / 40)	89	2.90
8"	219.1	6.35 (20)	102	4.09
8"	219.1	8.18 (STD / 40)	102	5.19
10"	273	6.35 (20)	127	6.22

