

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
PN10, DN50 to DN250 | Handwheel Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

DN 50 to DN 250

» **Pressure Rating**

DN50 - DN250: 10 bar

» **Body Material**

GGG40 /1.4408

» **Flange Drillings**

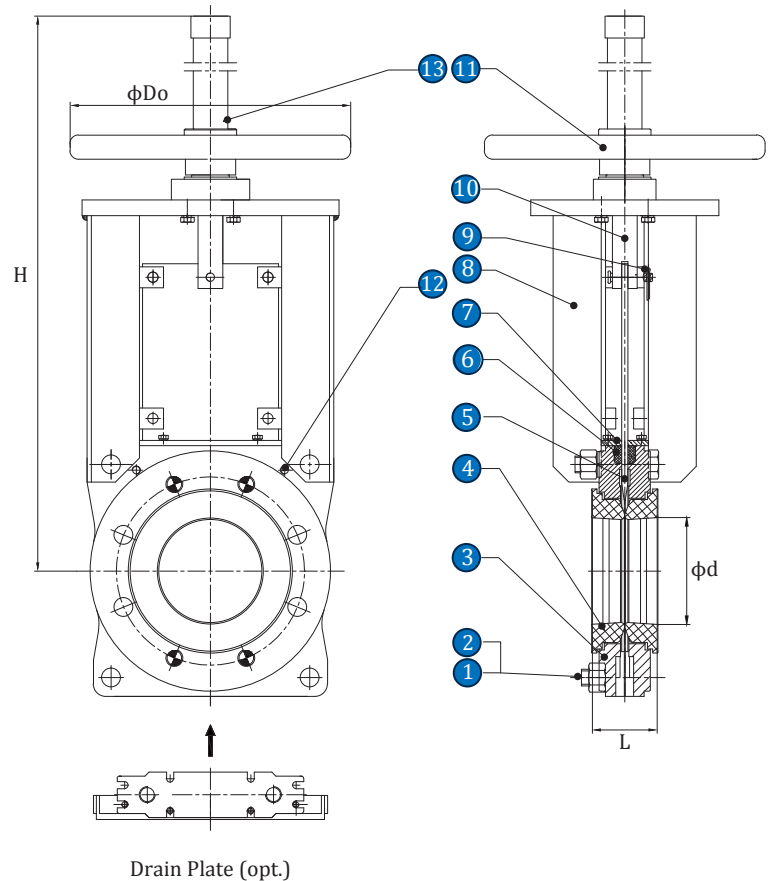
EN 1092 PN 10

» **Temperature Range**

-20°C to 110°C

» **Standards and Specifications**

Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001



**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	A2-70
2	NUT	A2-70
3	BODY	GGG40 / 1.4408
4	SLEEVE	NATURAL GUM RUBBER
5	GATE	SS316
6	PACKING	EPDM
7	GLAND	ANSI 1045 / SS316
8	SUPPORT YOKE	ASTM A36
9	PIN	ASTM A276 410 / SS316
10	STEM	ASTM A182 F6a
11	HANDWHEEL	CS/DI
12	PLUG	AISI 1035 + Ni
13	STEM PROTECTOR	ASTM A36

**Dimensions (mm):**

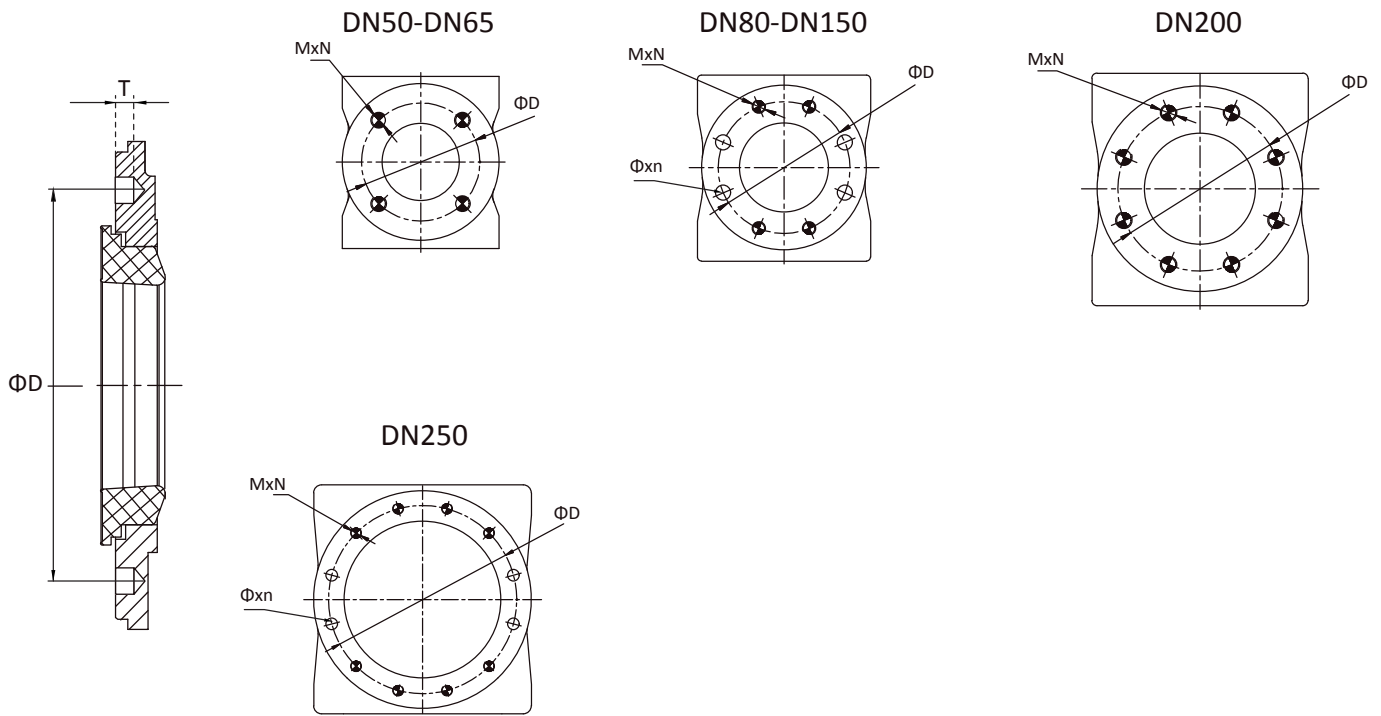
DN	$\phi d$	L (required)	L (installed)	$\phi D_o$	H
50	51	57	54	300	487
65	64	57	54	300	521
80	76	62	57	300	560
100	102	62	57	300	583
125	127	65	60	400	643
150	154	68	63.5	400	770
200	204	81	76	400	874
250	254	83	79	500	1060

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
PN10, DN50 to DN250 | Handwheel Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

DN	$\Phi D$	M x N	$\Phi \times n$	T
50	125	M16 x 4	-	11
65	145	M16 x 4	-	11
80	160	M16 x 4	$\Phi 18 \times 4$	10
100	180	M16 x 4	$\Phi 18 \times 4$	12
125	210	M16 x 4	$\Phi 18 \times 4$	10
150	240	M20 x 4	$\Phi 22 \times 4$	13
200	295	M20 x 8	-	15
250	350	M20 x 8	$\Phi 22 \times 4$	17

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
PN10, DN50 to DN600 | Bevel Gear Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

DN 50 to DN 600

» **Pressure Rating**

DN50 - DN400: 10 bar  
DN450 - DN600: 6 bar

» **Body Material**

GGG40 / 1.4408

» **Flange Drillings**

EN 1092 PN10

» **Temperature Range**

-20°C to 110°C

» **Standards and Specifications**

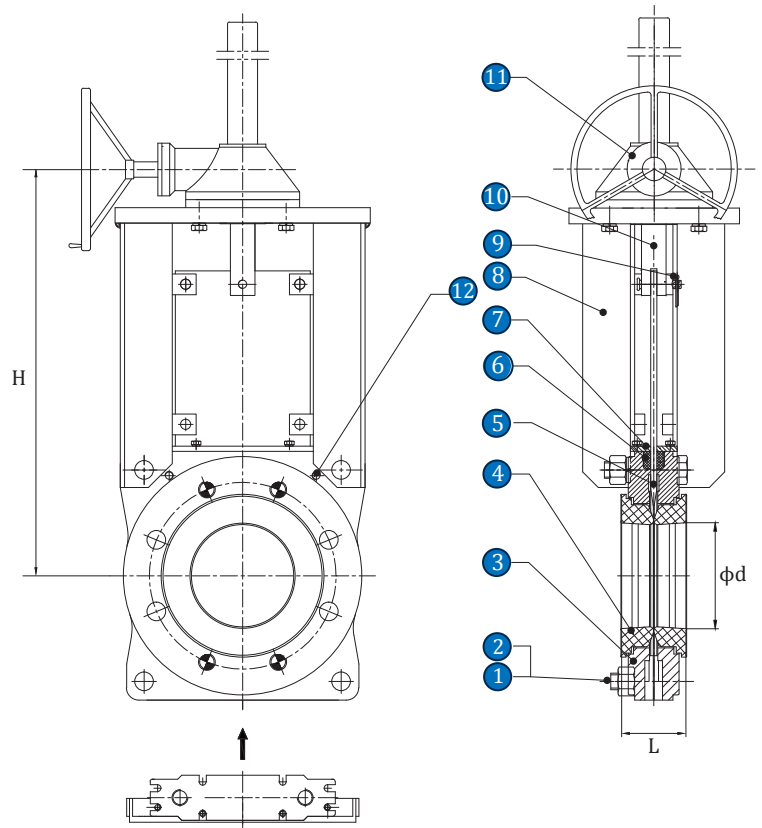
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	A2-70
2	NUT	A2-70
3	BODY	GGG40 / 1.4408
4	SLEEVE	NATURAL GUM RUBBER
5	GATE	SS316
6	PACKING	EPDM
7	GLAND	ANSI 1045 / SS316
8	SUPPORT YOKE	ASTM A36
9	PIN	ASTM A276 410
10	STEM	ASTM A182 F6a / SS316
11	BEVEL GEAR	CS/DI
12	PLUG	AISI 1035 + Ni

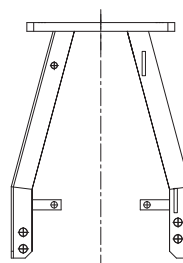
**Dimensions (mm):**

DN	Φd	L (required)	L (installed)	H
50	51	57	54	325
65	64	57	54	-
80	76	62	57	397
100	102	62	57	445
125	127	65	60	490
150	154	68	63.5	550
200	204	81	76	631
250	254	83	79	738
300	296	89	83	865
350	344	89	83	950
400	390	102	95	1101
450	438	103	96	1267
500	492	131	121	1305
600	590	132	121	1480



Drain Plate (opt.)

Yoke: DN350 - DN600

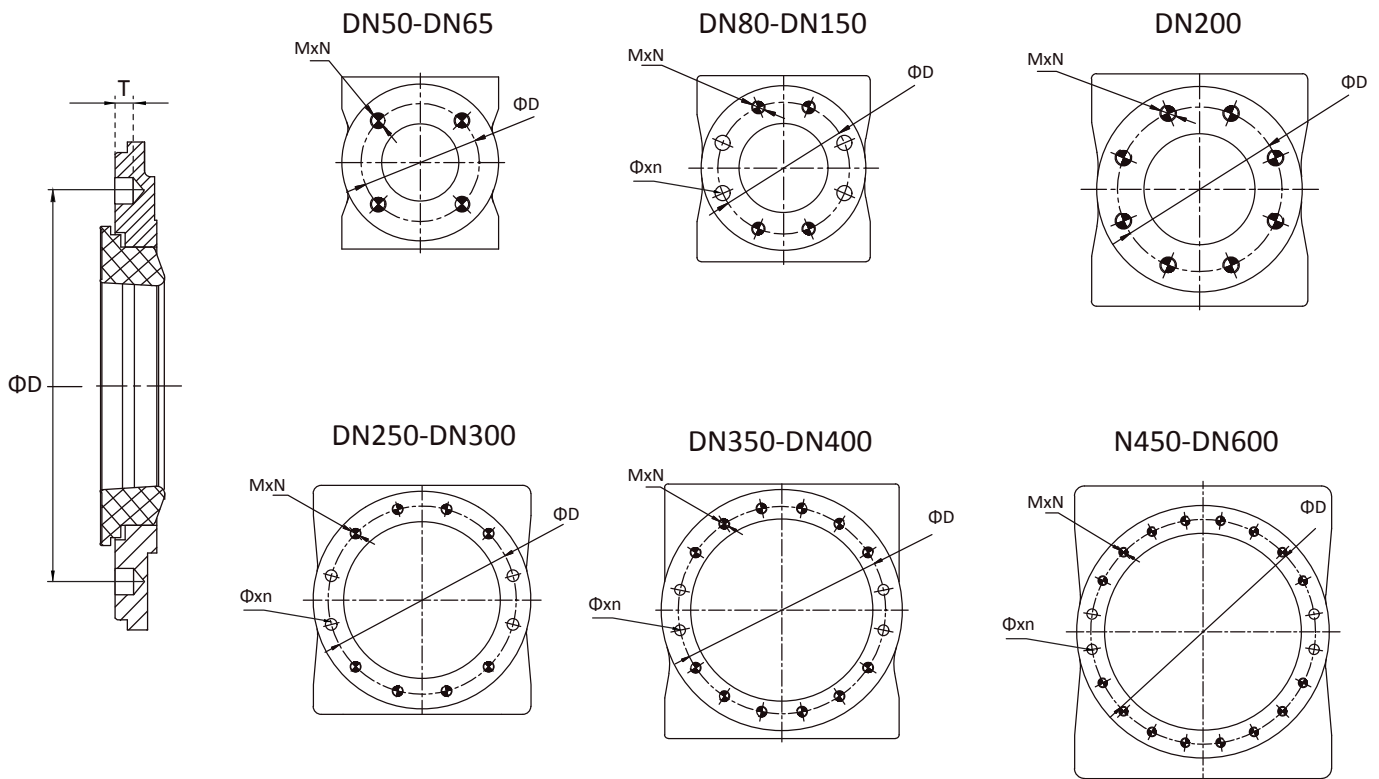


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
PN10, DN50 to DN600 | Bevel Gear Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

DN	ΦD	M x N	Φ x n	T
50	125	M16 x 4	-	11
65	145	M16 x 4	-	11
80	160	M16 x 4	Φ18 x 4	10
100	180	M16 x 4	Φ18 x 4	12
125	210	M16 x 4	Φ18 x 4	10
150	240	M20 x 4	Φ22 x 4	13
200	295	M20 x 8	-	15
250	350	M20 x 8	Φ22 x 4	17
300	400	M20 x 8	Φ22 x 4	17
350	460	M20 x 12	Φ22 x 4	15
400	515	M24 x 12	Φ26 x 4	18
450	565	M24 x 16	Φ26 x 4	20
500	620	M24 x 16	Φ26 x 4	27
600	725	M27 x 16	Φ30 x 4	25

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
PN10, DN50 to DN600 | Pneumatic Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

DN 50 to DN 600

» **Pressure Rating**

DN50 - DN400: 10 bar  
DN450 - DN600: 6 bar

» **Body Material**

GGG40 / 1.4408

» **Flange Drillings**

EN 1092 PN10

» **Temperature Range**

-20°C to 110°C

» **Standards and Specifications**

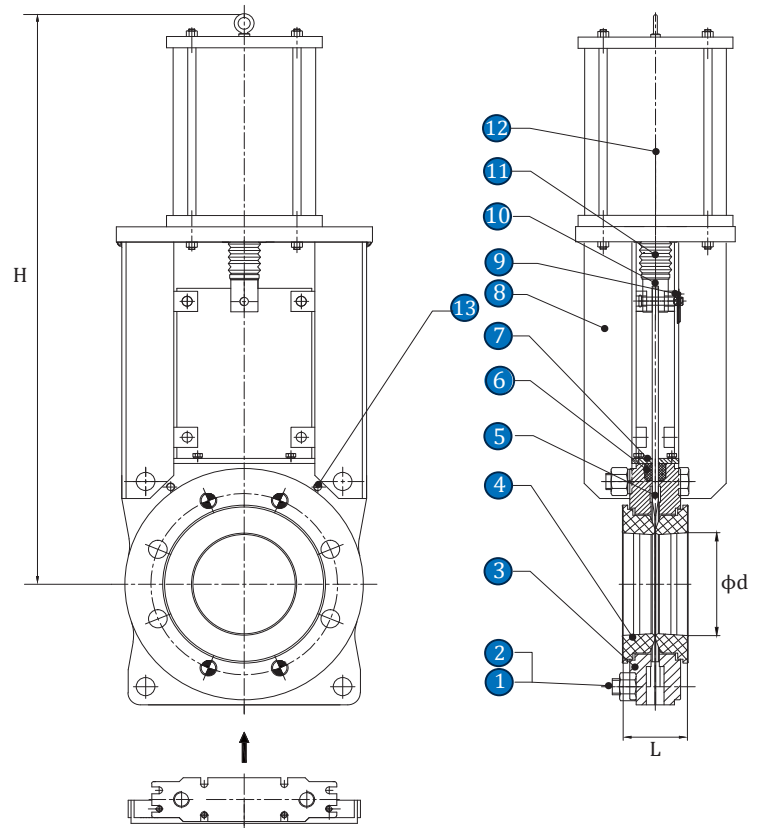
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	A2-70
2	NUT	A2-70
3	BODY	GGG40 / 1.4408
4	SLEEVE	NATURAL GUM RUBBER
5	GATE	SS316
6	PACKING	EPDM
7	GLAND	ANSI 1045 / SS316
8	SUPPORT YOKE	ASTM A36
9	PIN	ASTM A276 410
10	CYLINDER SHAFT	AISI 1045 + Cr / SS316
11	DUST COVER	COMPOSITE FABRIC
12	CYLINDER	COMBINATION
13	PLUG	AISI 1035 + Ni

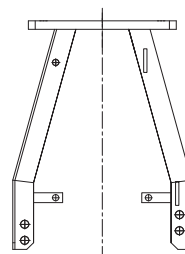
**Dimensions (mm):**

DN	Φd	L (required)	L (installed)	H
50	51	57	54	455
65	64	57	54	492
80	76	62	57	570
100	102	62	57	656
125	127	65	60	731
150	154	68	63.5	821
200	204	81	76	955
250	254	83	79	1140
300	296	89	83	1317
350	344	89	83	1490
400	390	102	95	1670
450	438	103	96	1840
500	492	131	121	1945
600	590	132	121	2225



Drain Plate (opt.)

Yoke: DN350 - DN600

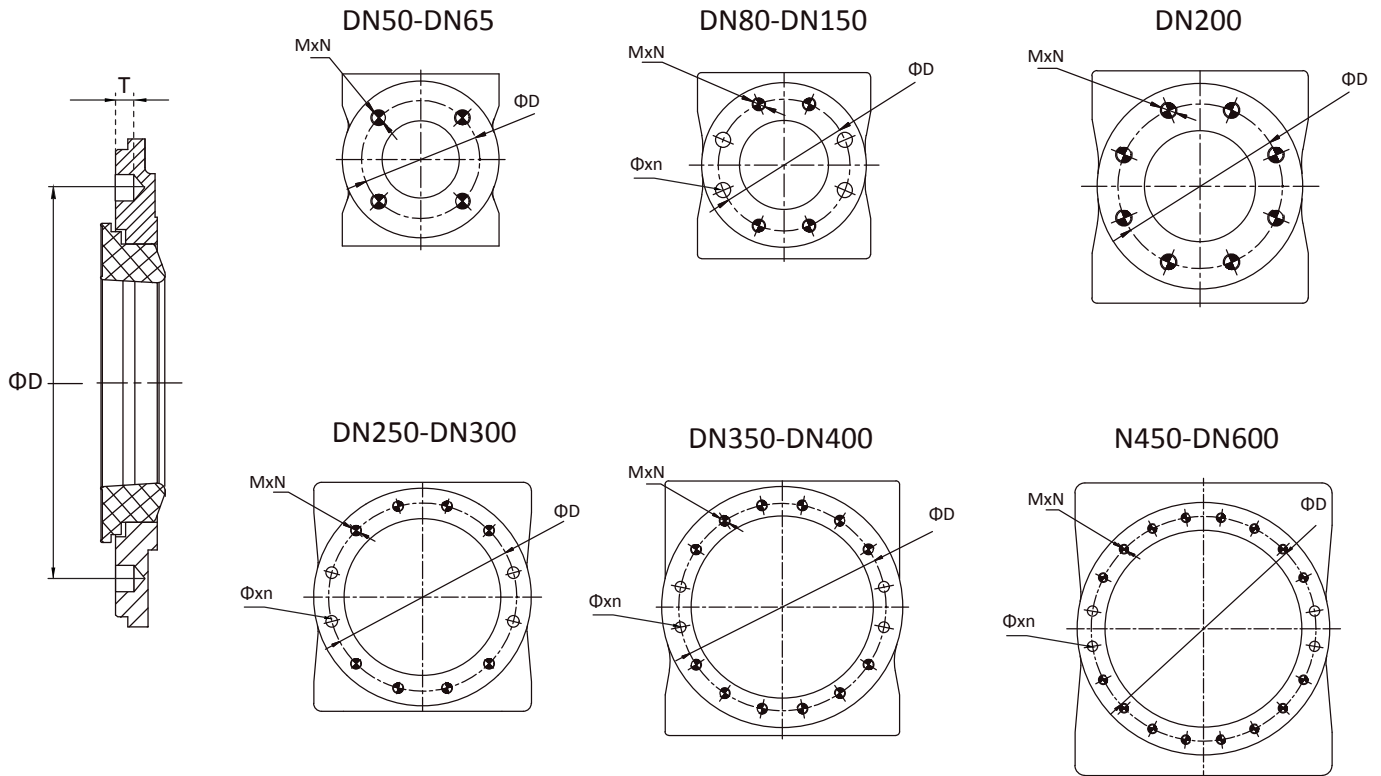


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
PN10, DN50 to DN600 | Pneumatic Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

DN	ΦD	M x N	Φ x n	T
50	125	M16 x 4	-	11
65	145	M16 x 4	-	11
80	160	M16 x 4	Φ18 x 4	10
100	180	M16 x 4	Φ18 x 4	12
125	210	M16 x 4	Φ18 x 4	10
150	240	M20 x 4	Φ22 x 4	13
200	295	M20 x 8	-	15
250	350	M20 x 8	Φ22 x 4	17
300	400	M20 x 8	Φ22 x 4	17
350	460	M20 x 12	Φ22 x 4	15
400	515	M24 x 12	Φ26 x 4	18
450	565	M24 x 16	Φ26 x 4	20
500	620	M24 x 16	Φ26 x 4	27
600	725	M27 x 16	Φ30 x 4	25

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
PN10, DN50 to DN250 | Handwheel Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

DN 50 to DN 250

» **Pressure Rating**

DN50 - DN250: 7 bar

» **Body Material**

GGG40 / 1.4408

» **Flange Drillings**

EN 1092 PN10

» **Temperature Range**

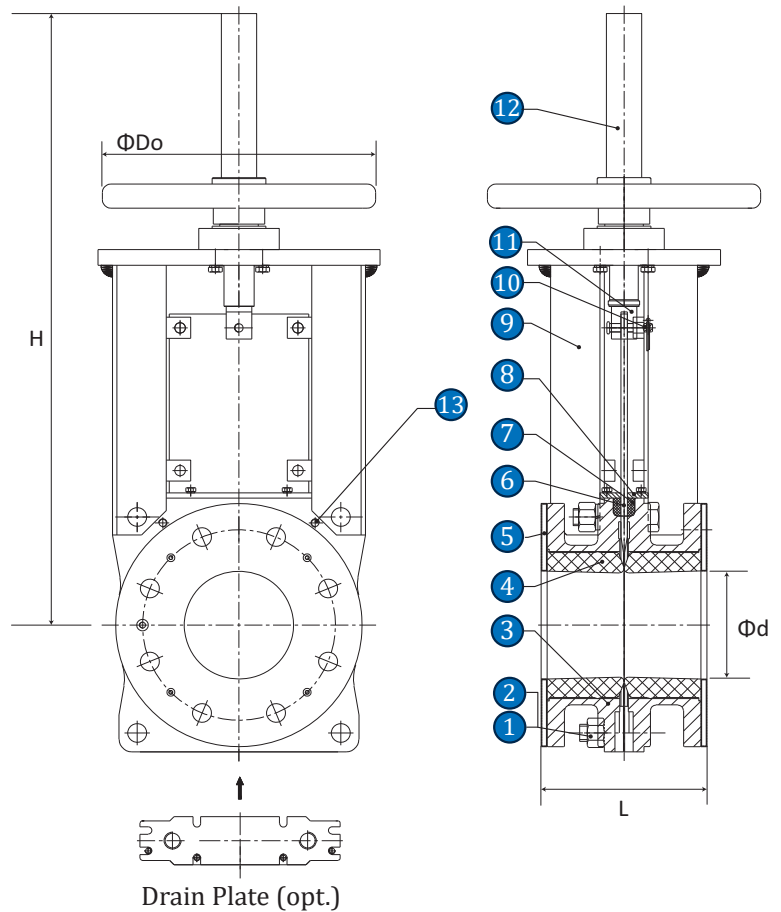
-20°C to 110°C

» **Standards and Specifications**

Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	A2-70
2	NUT	A2-70
3	BODY	GGG40 / 1.4408
4	SLEEVE	NATURAL GUM RUBBER
5	RETAINER RING	CS+NR
6	GATE	SS316
7	PACKING	EPDM
8	GLAND FOLLOWER	AISI 1045 / SS316
9	YOKE	ASTM A36
10	PIN	ASTM A276 410
11	STEM	ASTM A182 F6a / SS316
12	HANDWHEEL	CS/DI
13	PLUG	AISI 1035+ Ni



**Dimensions (mm):**

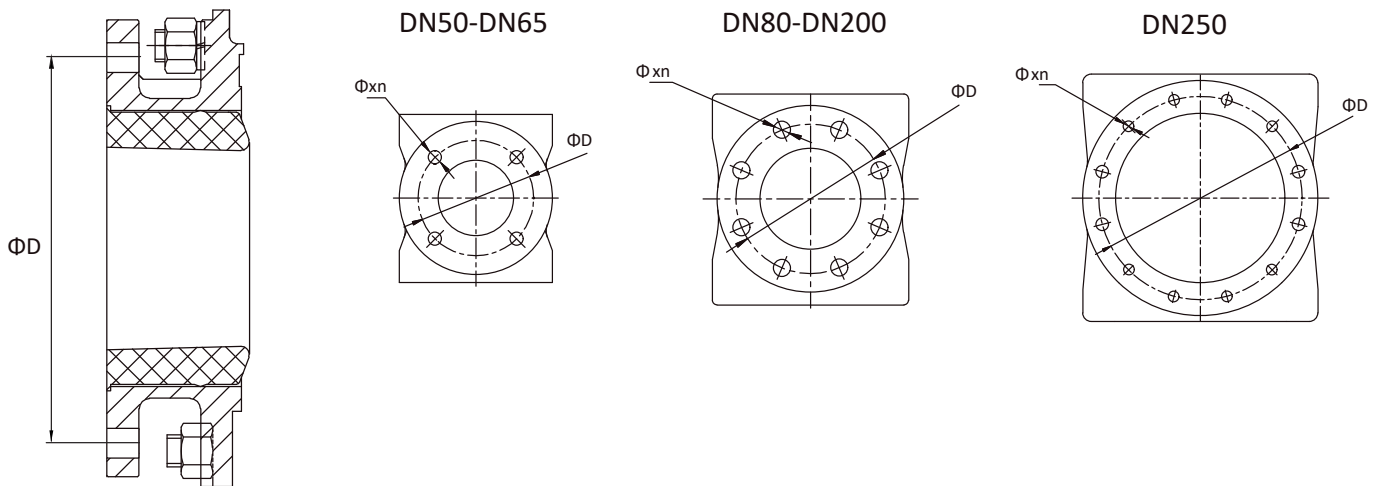
DN	$\Phi d$	L	$\Phi D_o$	H
50	51	175	300	405
65	60	175	300	450
80	71	175	300	515
100	98.5	175	300	597
125	122	178	300	650
150	148	178	400	770
200	197	184	400	875
250	246	226	500	1060

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
 PN10, DN50 to DN250 | Handwheel Operation

**MODEL: KSD-SKG**

- Flange and Bolting Dimensions



**Dimensions (mm):**

DN	ΦD	Φ x n
50	125	Φ18 x 4
65	145	Φ18 x 4
80	160	Φ18 x 8
100	180	Φ18 x 8
125	210	Φ18 x 8
150	240	Φ22 x 8
200	295	Φ22 x 8
250	350	Φ22 x 12



# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
PN10, DN50 to DN900 | Bevel Gear Operation

**MODEL: KSD-SKG**

- » **Seat Design**  
Elastomer Sleeve Seats
- » **Size Range**  
DN 50 to DN 900
- » **Pressure Rating**  
DN50 - DN600: 7 bar  
DN650 - DN900: 5 bar
- » **Body Material**  
GGG40 /1.4408
- » **Flange Drillings**  
EN 1092 PN10

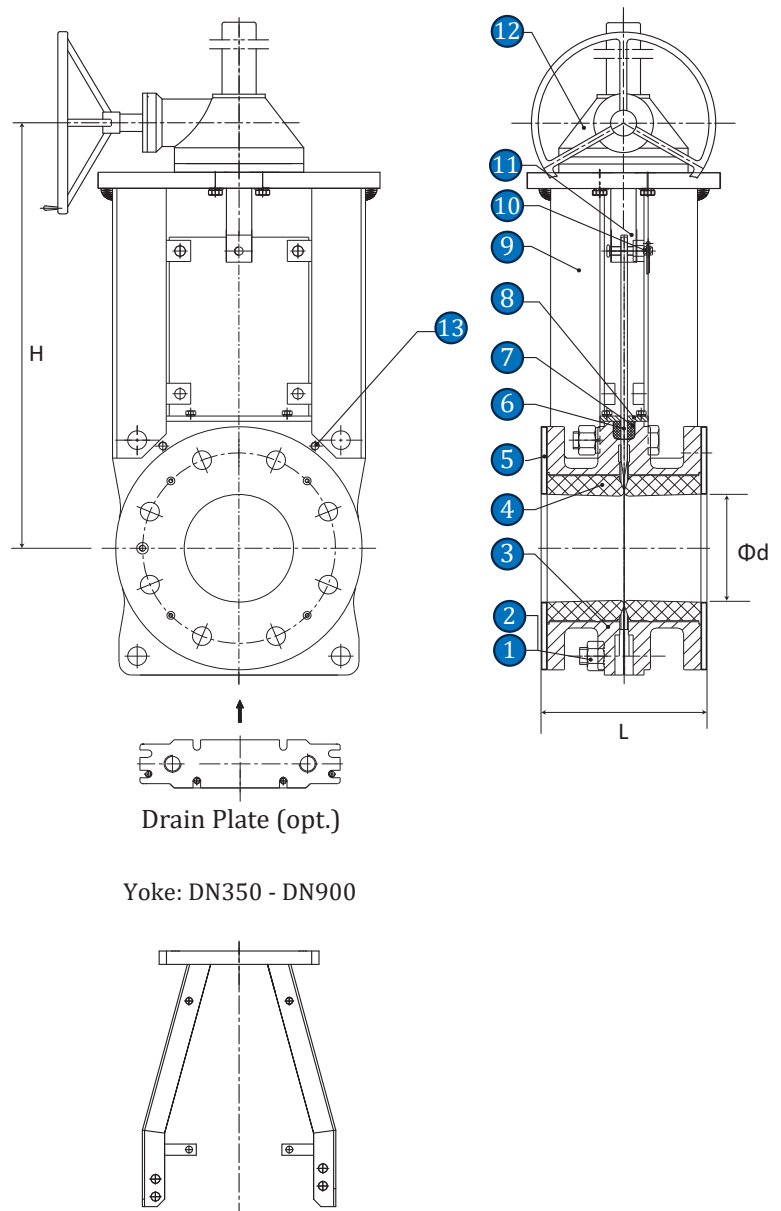
- » **Temperature Range**  
-20°C to 110°C
- » **Standards and Specifications**  
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	A2-70
2	NUT	A2-70
3	BODY	GGG40 / 1.4408
4	SLEEVE	NATURAL GUM RUBBER
5	RETAINER RING	CS+NR
6	GATE	SS316
7	PACKING	EPDM
8	GLAND FOLLOWER	AISI 1045 / SS316
9	YOKE	ASTM A36
10	PIN	ASTM A276 410 / SS316
11	STEM	ASTM A182 F6a
12	BEVEL GEAR	CS/DI
13	PLUG	AISI 1035+ Ni

**Dimensions (mm):**

DN	Φd	L	H
50	51	175	-
65	60	175	-
80	71	175	397
100	98.5	175	440
125	122	178	490
150	148	178	550
200	197	184	631
250	246	226	733
300	292	257	850
350	336	257	950
400	375	279	1095
450	425	311	1265
500	470	359	1280
600	584	372	1430
700	686	372	-
800	788	395	-
900	889	470	-

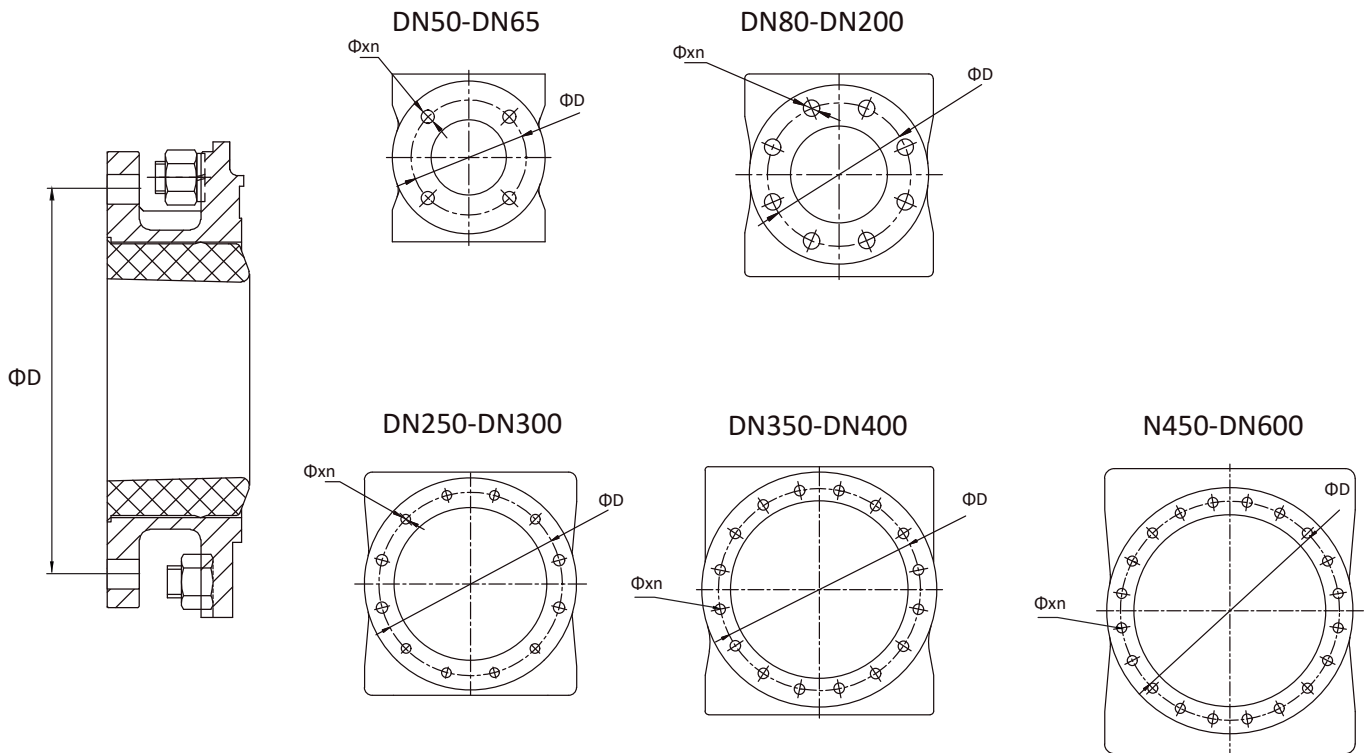


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
PN10, DN50 to DN900 | Bevel Gear Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

DN	ΦD	Φ x n
50	125	Φ18 x 4
65	145	Φ18 x 4
80	160	Φ18 x 8
100	180	Φ18 x 8
125	210	Φ18 x 8
150	240	Φ22 x 8
200	295	Φ22 x 8
250	350	Φ22 x 12
300	400	Φ22 x 12
350	460	Φ22 x 16
400	515	Φ26 x 16
450	565	Φ26 x 20
500	620	Φ26 x 20
600	725	Φ30 x 20
700	840	Φ30 x 24
800	950	Φ33 x 24
900	1050	Φ33 x 28

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
 PN10, DN50 to DN900 | Pneumatic Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

DN 50 to DN 900

» **Pressure Rating**

DN50 - DN600: 7 bar  
 DN650 - DN900: 5 bar

» **Body Material**

GGG40 / 1.4408

» **Flange Drillings**

EN 1092 PN10

» **Temperature Range**

-20°C to 110°C

» **Standards and Specifications**

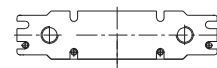
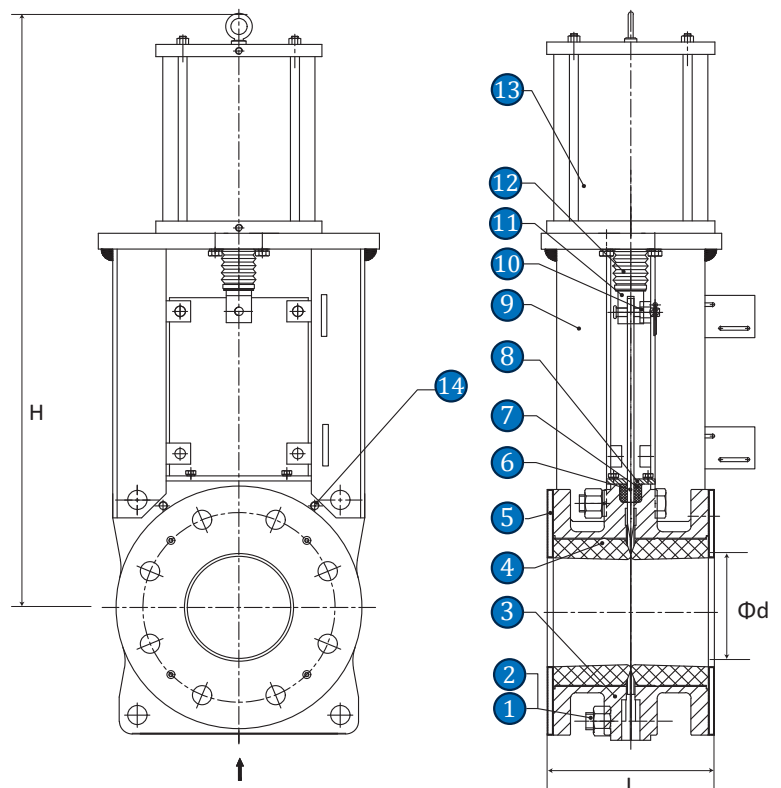
Design and test standard according to MSS-SP81  
 DIN EN 10204 3.1 Certificate  
 PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	A2-70
2	NUT	A2-70
3	BODY	GGG40 / 1.4408
4	SLEEVE	NATURAL GUM RUBBER
5	RETAINER RING	CS+NR
6	GATE	SS316
7	PACKING	EPDM
8	GLAND FOLLOWER	AISI 1045 / SS316
9	YOKE	ASTM A36
10	PIN	ASTM A276 410
11	CYLINDER SHAFT	AISI 1045 + Cr / SS316
12	DUST COVER	COMPOSITE FABRIC
13	CYLINDER	COMBINATION
14	PLUG	AISI 1035 + Ni

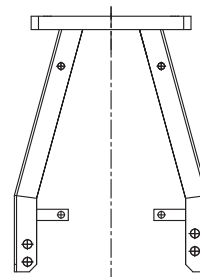
**Dimensions (mm):**

DN	Φd	L	H
50	51	175	455
65	60	175	492
80	71	175	570
100	98.5	175	661
125	122	178	731
150	148	178	821
200	197	184	955
250	246	226	1140
300	292	257	1342
350	336	257	1490
400	375	279	1690
450	425	311	1910
500	470	359	2010
600	584	372	2295
700	686	372	-
800	788	395	-
900	889	470	-



Drain Plate (opt.)

Yoke: DN350 - DN900

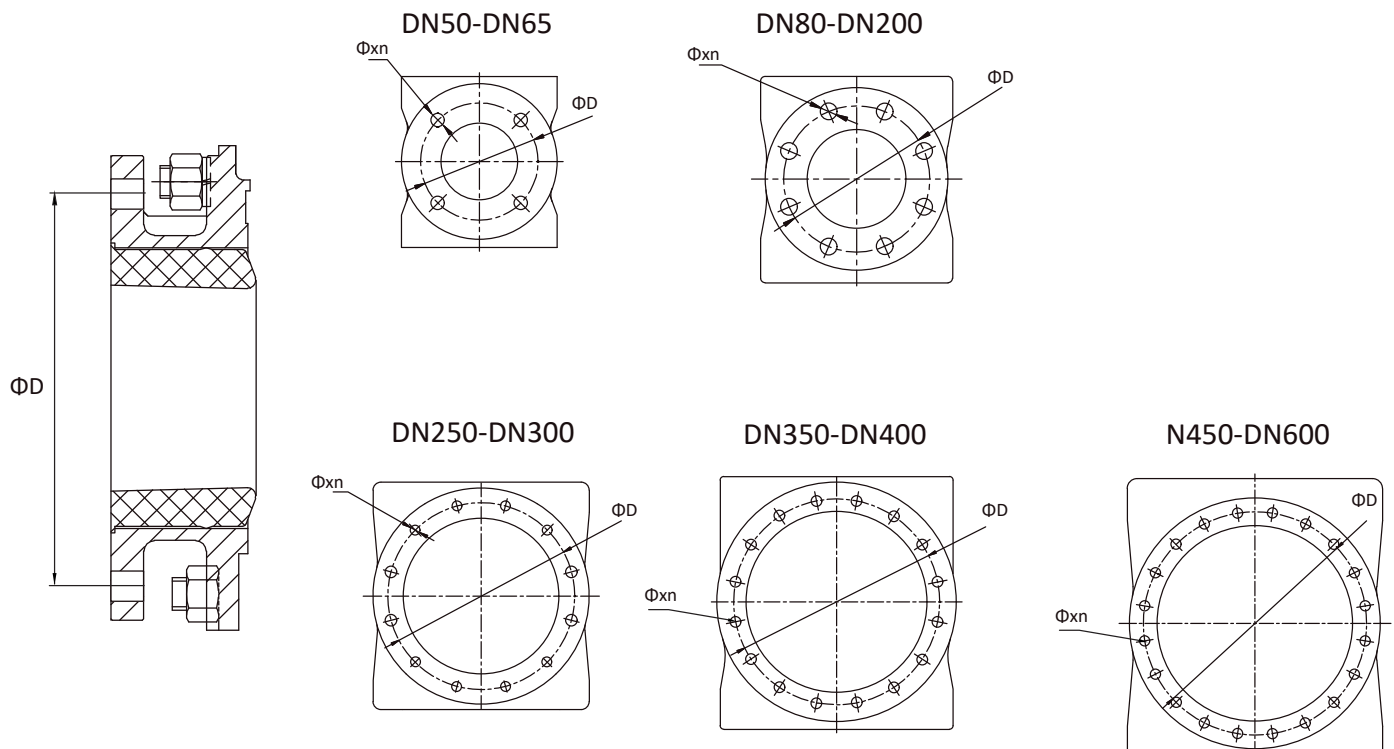


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
PN10, DN50 to DN900 | Pneumatic Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

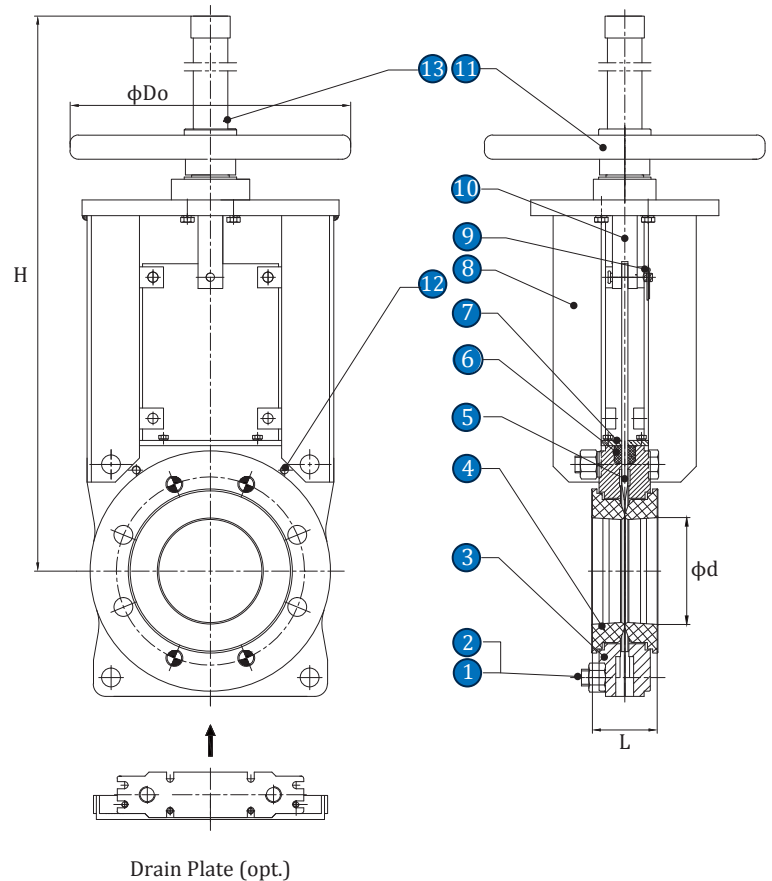
DN	$\Phi D$	$\Phi \times n$
50	125	$\Phi 18 \times 4$
65	145	$\Phi 18 \times 4$
80	160	$\Phi 18 \times 8$
100	180	$\Phi 18 \times 8$
125	210	$\Phi 18 \times 8$
150	240	$\Phi 22 \times 8$
200	295	$\Phi 22 \times 8$
250	350	$\Phi 22 \times 12$
300	400	$\Phi 22 \times 12$
350	460	$\Phi 22 \times 16$
400	515	$\Phi 26 \times 16$
450	565	$\Phi 26 \times 20$
500	620	$\Phi 26 \times 20$
600	725	$\Phi 30 \times 20$
700	840	$\Phi 30 \times 24$
800	950	$\Phi 33 \times 24$
900	1050	$\Phi 33 \times 28$

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
CLASS 150, 2" to 10" | Handwheel Operation

**MODEL: KSD-SKG**

- » **Seat Design**  
Elastomer Sleeve Seats
- » **Size Range**  
2" to 10"
- » **Pressure Rating**  
2" - 10": 150 psi
- » **Body Material**  
ASTM A536 65-45-12 / CF8M
- » **Flange Drillings**  
ASME B16.5 CL150
- » **Temperature Range**  
-4°F to 230°F
- » **Standards and Specifications**  
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001



## Materials List:

NO	PART NAME	MATERIAL
1	BOLT	ASTM A193 B8
2	NUT	ASTM A194 8
3	BODY	DI / CF8M
4	SLEEVE	NATURAL GUM RUBBER
5	GATE	SS316
6	PACKING	EPDM
7	GLAND	ANSI 1045 / SS316
8	SUPPORT YOKE	ASTM A36
9	PIN	ASTM A276 410
10	STEM	ASTM A182 F6a / SS316
11	HANDWHEEL	CS/DI
12	PLUG	AISI 1035 + Ni
13	STEM PROTECTOR	ASTM A36

## Dimensions (mm):

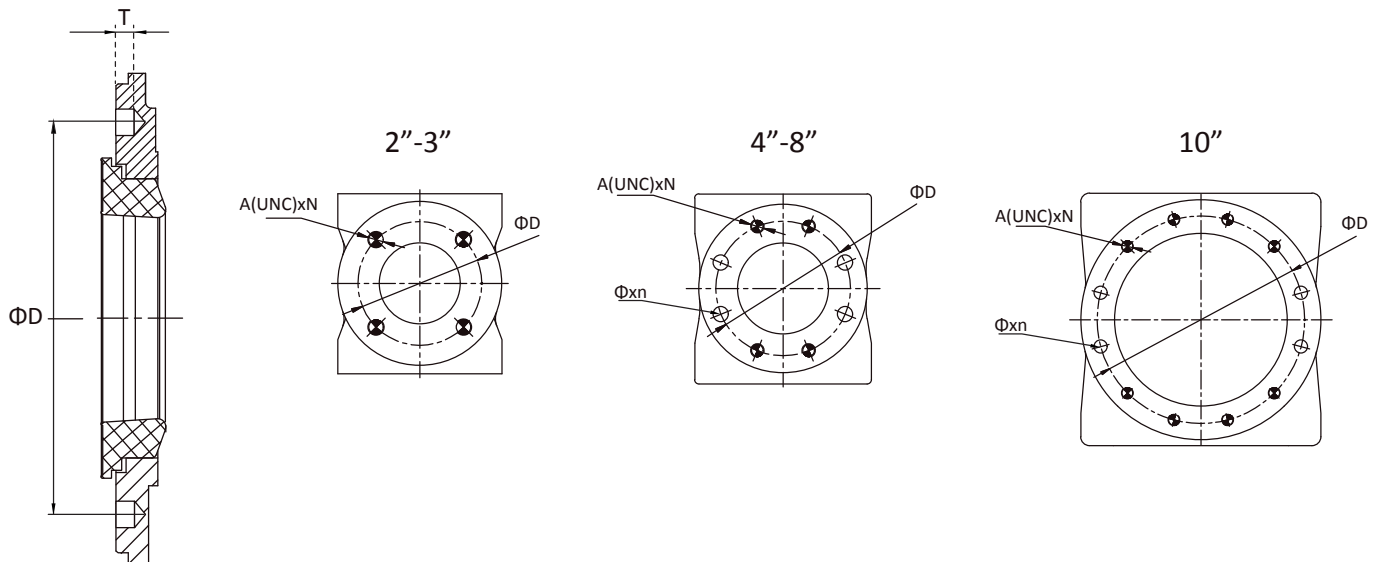
inch	φd	L (required)	L (installed)	φDo	H
2"	51	57	54	300	487
2½"	64	57	54	300	521
3"	76	62	57	300	560
4"	102	62	57	300	583
5"	127	65	60	400	643
6"	154	68	63.5	400	770
8"	204	81	76	400	874
10"	254	83	79	500	1060

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
CLASS 150, 2" to 10" | Handwheel Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

inch	ΦD	A (UNC) x N	Φ x n	T
2"	120.7	5/8"-11 x 4	-	11
2½"	139.7	5/8"-11 x 4	-	11
3"	152.4	5/8"-11 x 4	-	11
4"	190.5	5/8"-11 x 4	Φ18 x 4	11
5"	215.9	3/4"-10 x 4	Φ22 x 4	10
6"	241.3	3/4"-10 x 4	Φ22 x 4	13
8"	298.5	3/4"-10 x 4	Φ22 x 4	15
10"	362	7/8"-9 x 8	Φ26 x 4	17

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
CLASS 150, 2" to 24" | Bevel Gear Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

2" to 24"

» **Pressure Rating**

2" - 16": 150 psi

18" - 24": 90 psi

» **Body Material**

ASTM A536 65-45-12 / CF8M

» **Flange Drillings**

ASME B16.5 CL150

» **Temperature Range**

-4°F to 230°F

» **Standards and Specifications**

Design and test standard according to MSS-SP81

DIN EN 10204 3.1 Certificate

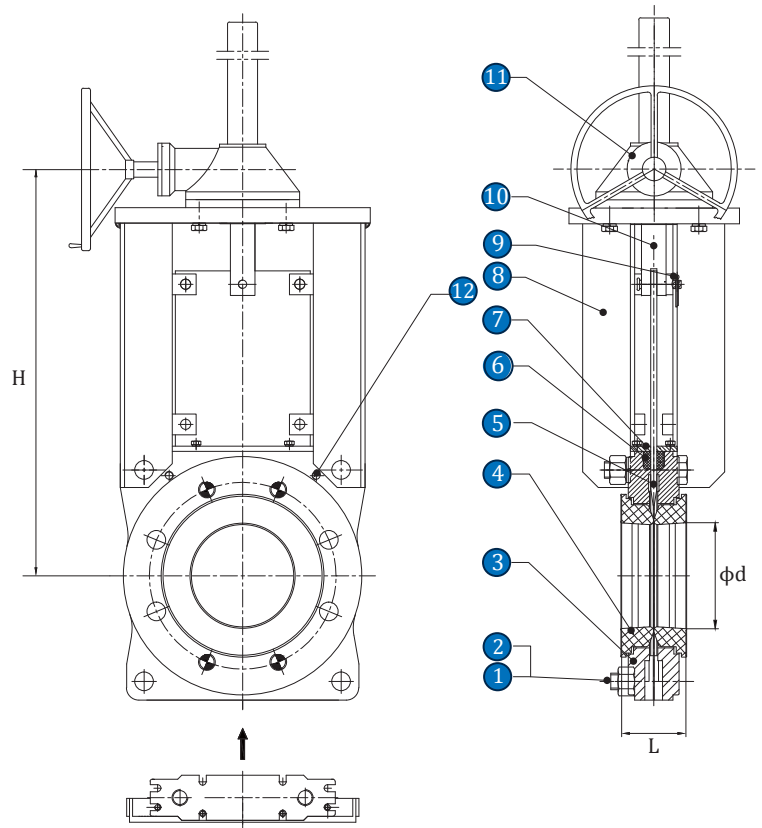
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	ASTM A193 B8
2	NUT	ASTM A194 8
3	BODY	DI / CF8M
4	SLEEVE	NATURAL GUM RUBBER
5	GATE	SS316
6	PACKING	EPDM
7	GLAND	ANSI 1045 / SS316
8	SUPPORT YOKE	ASTM A36
9	PIN	ASTM A276 410
10	STEM	ASTM A182 F6a / SS316
11	BEVEL GEAR	CS/DI
12	PLUG	AISI 1035 + Ni

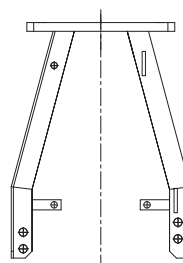
**Dimensions (mm):**

inch	Φd	L (required)	L (installed)	H
2"	51	57	54	325
2½"	64	57	54	-
3"	76	62	57	397
4"	102	62	57	445
5"	127	65	60	490
6"	154	68	63.5	550
8"	204	81	76	631
10"	254	83	79	738
12"	296	89	83	865
14"	344	89	83	950
16"	390	102	95	1101
18"	438	103	96	1267
20"	492	131	121	1305
24"	590	132	121	1480



Drain Plate (opt.)

Yoke: DN350 - DN600

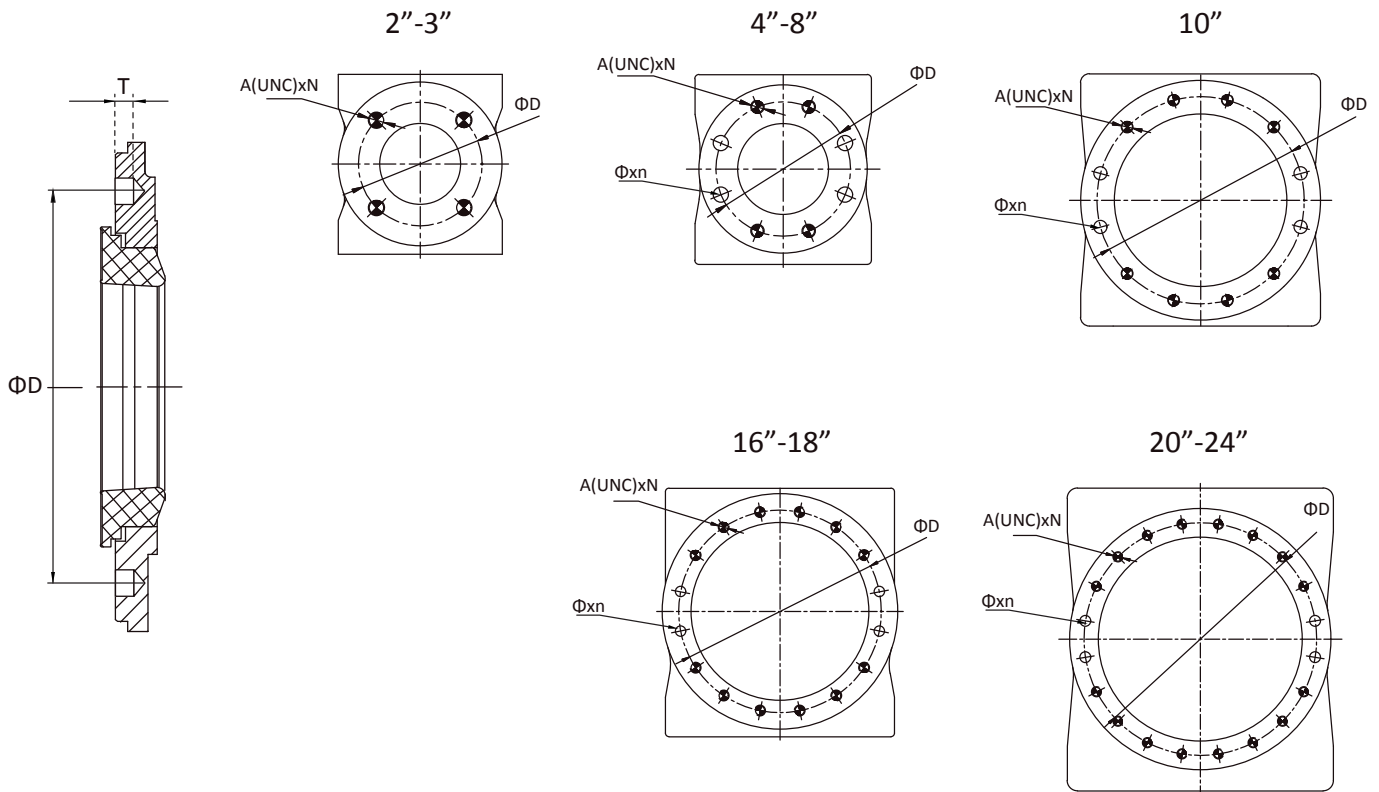


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
CLASS 150, 2" to 24" | Bevel Gear Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

inch	ΦD	A (UNC) x N	Φ x n	T
2"	120.7	5/8"-11 x 4	-	11
2½"	139.7	5/8"-11 x 4	-	11
3"	152.4	5/8"-11 x 4	-	11
4"	190.5	5/8"-11 x 4	Φ18 x 4	11
5"	215.9	3/4"-10 x 4	Φ22 x 4	10
6"	241.3	3/4"-10 x 4	Φ22 x 4	13
8"	298.5	3/4"-10 x 4	Φ22 x 4	15
10"	362	7/8"-9 x 8	Φ26 x 4	17
12"	432	7/8"-9 x 8	Φ26 x 4	17
14"	476.3	1"-8 x 8	Φ29 x 4	14
16"	540	1"-8 x 12	Φ29 x 4	17
18"	577.9	1 ⅛"-7 x 12	Φ32 x 4	18
20"	635	1 ⅛"-7 x 16	Φ32 x 4	25
24"	749.3	1¼"-7 x 16	Φ35 x 4	25



# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
CLASS 150, 2" to 24" | Pneumatic Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

2" to 24"

» **Pressure Rating**

2" - 16": 150 psi  
18" - 24": 90 psi

» **Body Material**

ASTM A536 65-45-12 / CF8M

» **Flange Drillings**

ASME B16.5 CL150

» **Temperature Range**

-4°F to 230°F

» **Standards and Specifications**

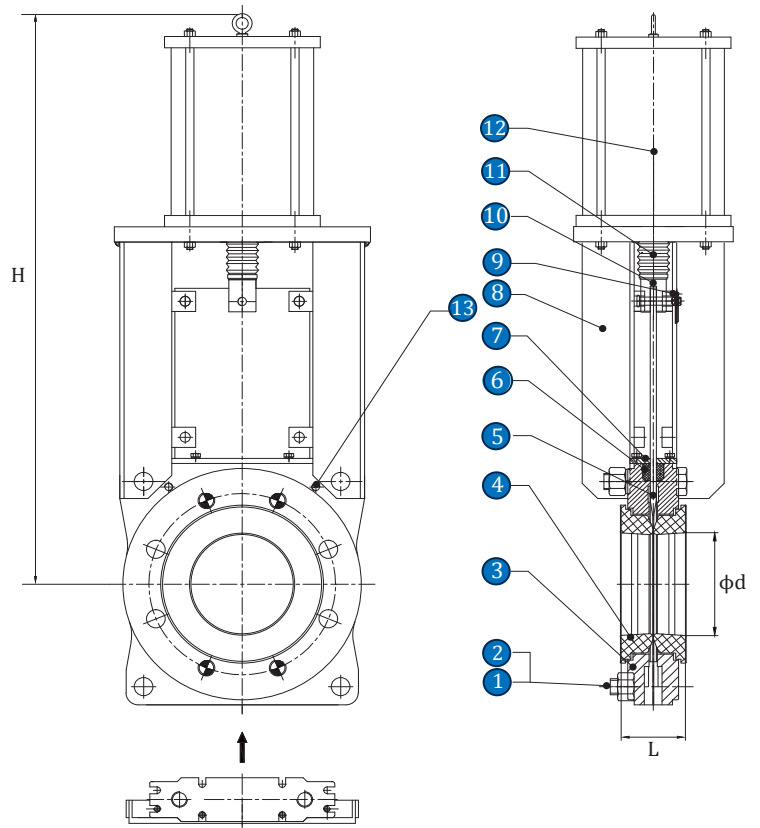
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	ASTM A193 B8
2	NUT	ASTM A194 8
3	BODY	DI / CF8M
4	SLEEVE	NATURAL GUM RUBBER
5	GATE	SS316
6	PACKING	EPDM
7	GLAND	ANSI 1045 / SS316
8	SUPPORT YOKE	ASTM A36
9	PIN	ASTM A276 410
10	CYLINDER SHAFT	AISI 1045 + Cr / SS316
11	DUST COVER	COMPOSITE FABRIC
12	CYLINDER	COMBINATION
13	PLUG	AISI 1035 + Ni

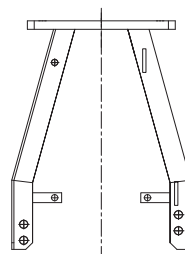
**Dimensions (mm):**

inch	Φd	L (required)	L (installed)	H
2"	51	57	54	455
2½"	64	57	54	492
3"	76	62	57	570
4"	102	62	57	656
5"	127	65	60	731
6"	154	68	63.5	821
8"	204	81	76	955
10"	254	83	79	1140
12"	296	89	83	1317
14"	344	89	83	1490
16"	390	102	95	1670
18"	438	103	96	1840
20"	492	131	121	1945
24"	590	132	121	2225



Drain Plate (opt.)

Yoke: DN350 - DN600

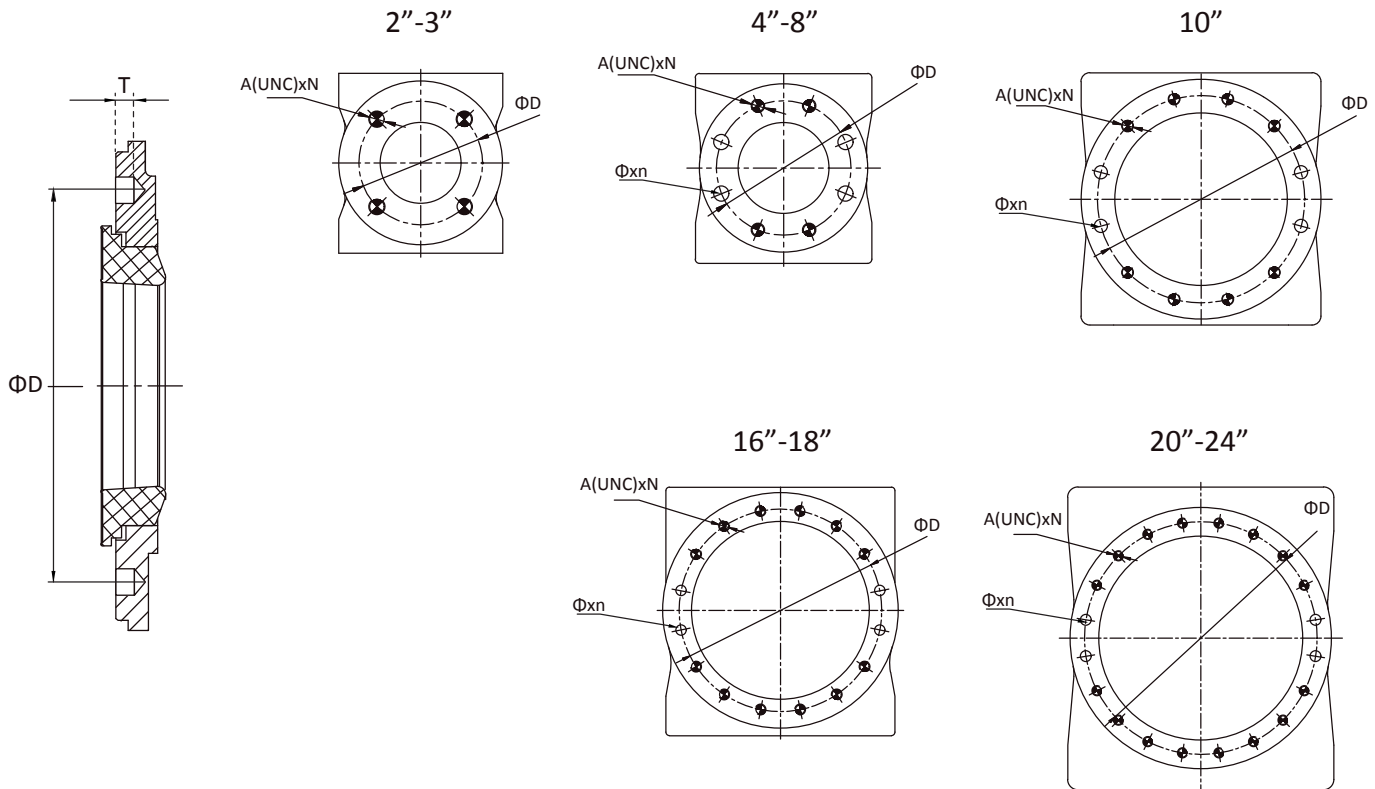


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Lug Type  
CLASS 150, 2" to 24" | Pneumatic Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

inch	ΦD	A (UNC) x N	Φ x n	T
2"	120.7	5/8"-11 x 4	-	11
2½"	139.7	5/8"-11 x 4	-	11
3"	152.4	5/8"-11 x 4	-	11
4"	190.5	5/8"-11 x 4	Φ18 x 4	11
5"	215.9	3/4"-10 x 4	Φ22 x 4	10
6"	241.3	3/4"-10 x 4	Φ22 x 4	13
8"	298.5	3/4"-10 x 4	Φ22 x 4	15
10"	362	7/8"-9 x 8	Φ26 x 4	17
12"	432	7/8"-9 x 8	Φ26 x 4	17
14"	476.3	1"-8 x 8	Φ29 x 4	14
16"	540	1"-8 x 12	Φ29 x 4	17
18"	577.9	1 ⅛ "-7 x 12	Φ32 x 4	18
20"	635	1 ⅛ "-7 x 16	Φ32 x 4	25
24"	749.3	1¼ "-7 x 16	Φ35 x 4	25

# KNIFE GATE VALVE

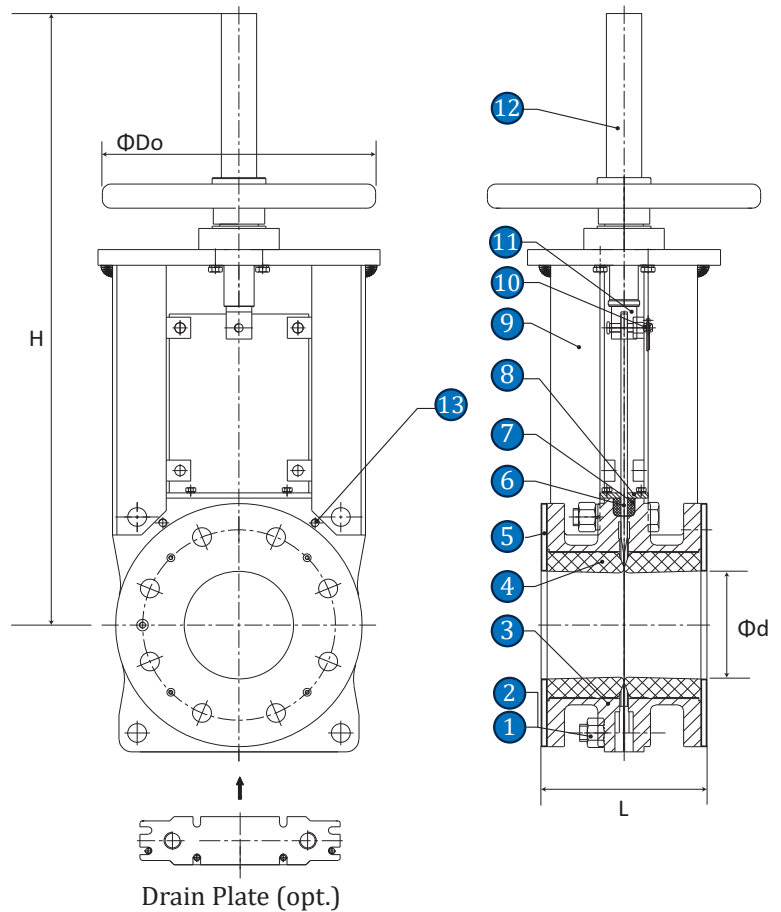
Slurry Knife Gate Valve - Flanged Type  
CLASS 150, 2" to 10" | Handwheel Operation

**MODEL: KSD-SKG**

- » **Seat Design**  
Elastomer Sleeve Seats
- » **Size Range**  
2" to 10"
- » **Pressure Rating**  
2" - 10": 105 psi
- » **Body Material**  
ASTM A536 65-45-12 / CF8M
- » **Flange Drillings**  
ASME B16.5 CL150
- » **Temperature Range**  
-4°F to 230°F
- » **Standards and Specifications**  
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	ASTM A193 B8
2	NUT	ASTM A194 8
3	BODY	DI / CF8M
4	SLEEVE	NATURAL GUM RUBBER
5	RETAINER RING	CS+NR
6	GATE	SS316
7	PACKING	EPDM
8	GLAND FOLLOWER	AISI 1045 / SS316
9	YOKE	ASTM A36
10	PIN	ASTM A276 410
11	STEM	ASTM A182 F6a / SS316
12	HANDWHEEL	CS/DI
13	PLUG	AISI 1035+ Ni



**Dimensions (mm):**

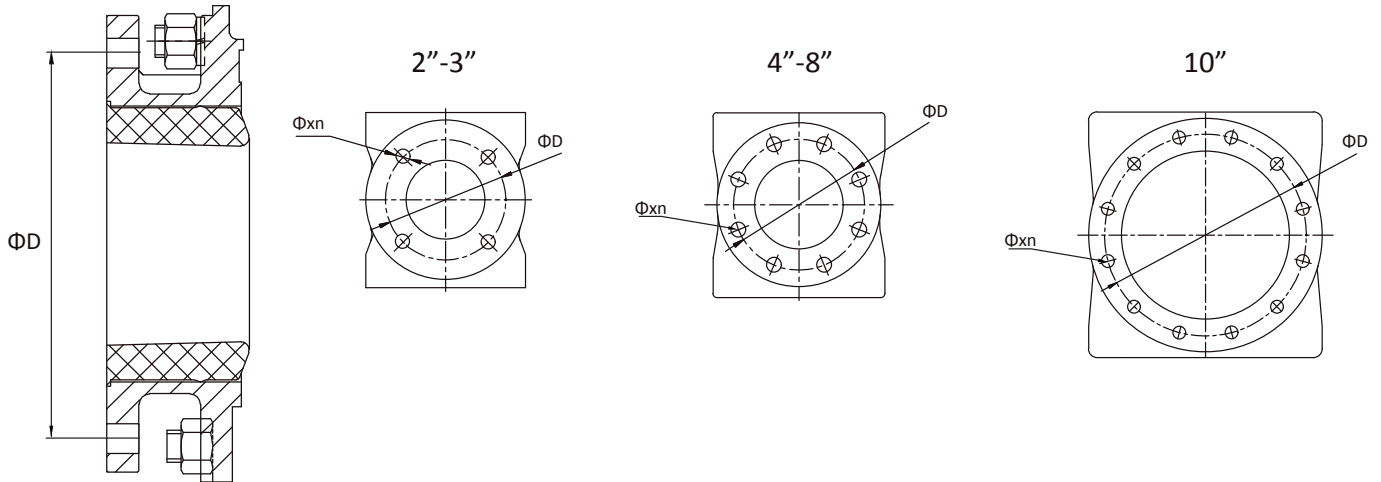
inch	$\Phi d$	L	$\Phi Do$	H
2"	51	175	300	405
2½"	60	175	300	450
3"	71	175	300	515
4"	98.5	175	300	597
5"	122	178	300	650
6"	148	178	400	770
8"	197	184	400	875
10"	246	226	500	1060

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
CLASS 150, 2" to 10" | Handwheel Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

inch	ΦD	Φ x n
2"	120.7	Φ18 x 4
2½"	139.7	Φ18 x 4
3"	152.4	Φ18 x 4
4"	190.5	Φ18 x 8
5"	215.9	Φ22 x 8
6"	241.3	Φ22 x 8
8"	298.5	Φ22 x 8
10"	362	Φ26 x 12

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
CLASS 150, 2" to 36" | Bevel Gear Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

2" to 36"

» **Pressure Rating**

2" - 24": 105 psi

26" - 36": 75 psi

» **Body Material**

ASTM A536 65-45-12 / CF8M

» **Flange Drillings**

ASME B16.5 CL150

» **Temperature Range**

-4°F to 230°F

» **Standards and Specifications**

Design and test standard according to MSS-SP81

DIN EN 10204 3.1 Certificate

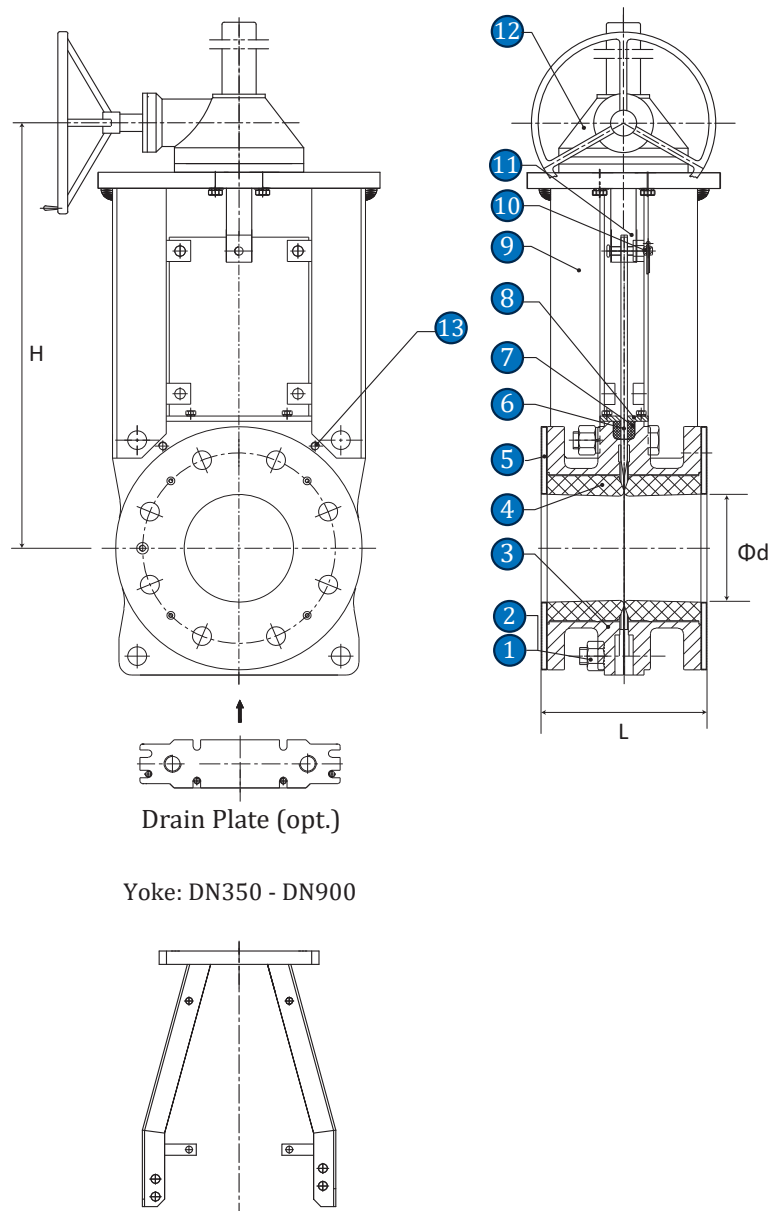
PED 2014/68/EU; ISO 9001

**Materials List:**

NO	PART NAME	MATERIAL
1	BOLT	ASTM A193 B8
2	NUT	ASTM A194 8
3	BODY	DI / CF8M
4	SLEEVE	NATURAL GUM RUBBER
5	RETAINER RING	CS+NR
6	GATE	SS316
7	PACKING	EPDM
8	GLAND FOLLOWER	AISI 1045 / SS316
9	YOKE	ASTM A36
10	PIN	ASTM A276 410
11	STEM	ASTM A182 F6a / SS316
12	BEVEL GEAR	CS/DI
13	PLUG	AISI 1035+ Ni

**Dimensions (mm):**

DN	Φd	L	H
2"	51	175	-
2½"	60	175	-
3"	71	175	397
4"	98.5	175	440
5"	122	178	490
6"	148	178	550
8"	197	184	631
10"	246	226	733
12"	292	257	850
14"	336	257	950
16"	375	279	1095
18"	425	311	1265
20"	470	359	1280
24"	584	372	1430
26"	635	372	-
28"	686	372	-
30"	737	394	-
32"	788	394	-
34"	838	470	-
36"	889	470	-

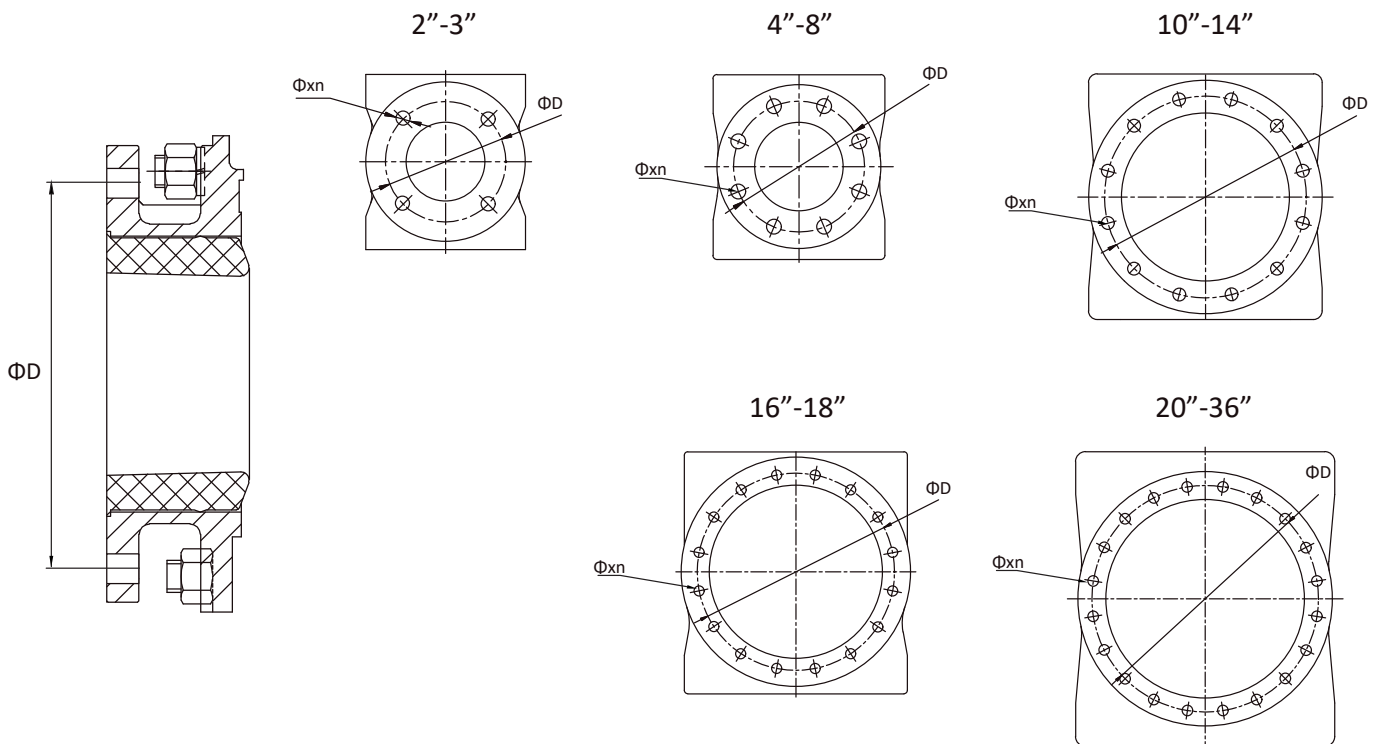


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
CLASS 150, 2" to 36" | Bevel Gear Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

DN	ΦD	Φ x n
2"	120.7	Φ18 x 4
2½"	139.7	Φ18 x 4
3"	152.4	Φ18 x 4
4"	190.5	Φ18 x 8
5"	215.9	Φ22 x 8
6"	241.3	Φ22 x 8
8"	298.5	Φ22 x 8
10"	362	Φ26 x 12
12"	432	Φ26 x 12
14"	476.3	Φ29 x 12
16"	540	Φ29 x 16
18"	577.9	Φ32 x 16
20"	635	Φ32 x 20
24"	749.3	Φ35 x 20
26"	806.4	Φ35 x 24
28"	863.6	Φ35 x 28
30"	914.4	Φ35 x 28
32"	977.9	Φ42 x 28
34"	1028.7	Φ42 x 32
36"	1085.8	Φ42 x 32

# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
CLASS 150, 2" to 36" | Pneumatic Operation

**MODEL: KSD-SKG**

» **Seat Design**

Elastomer Sleeve Seats

» **Size Range**

2" to 36"

» **Pressure Rating**

2" - 24": 105 psi  
26" - 36": 75 psi

» **Body Material**

ASTM A536 65-45-12 / CF8M

» **Flange Drillings**

ASME B16.5 CL150

» **Temperature Range**

-4°F to 230°F

» **Standards and Specifications**

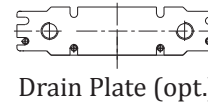
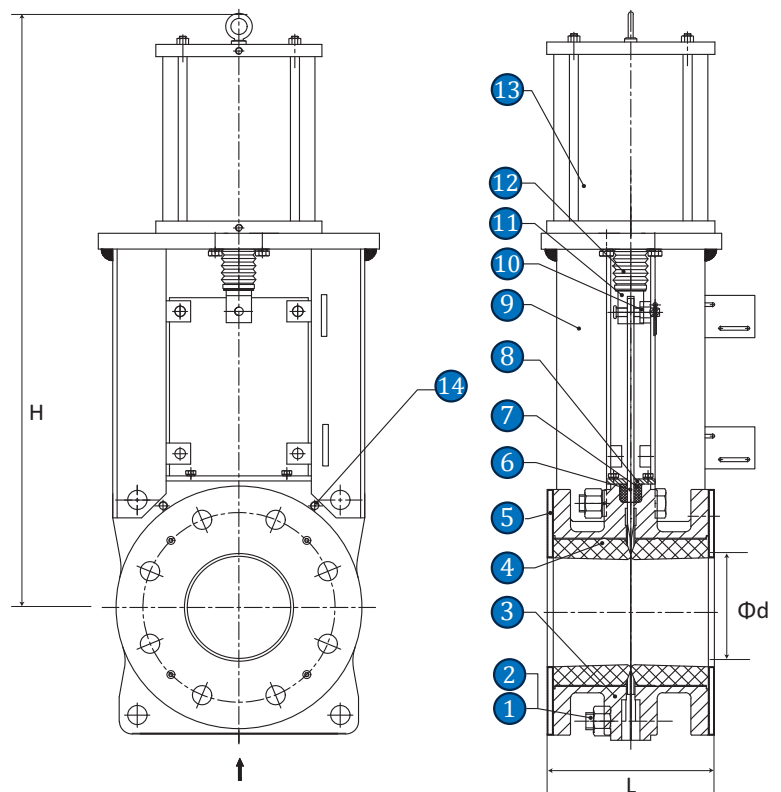
Design and test standard according to MSS-SP81  
DIN EN 10204 3.1 Certificate  
PED 2014/68/EU; ISO 9001

**Materials List:**

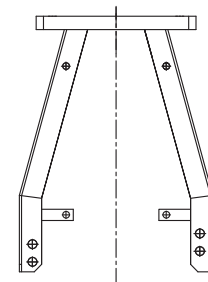
NO	PART NAME	MATERIAL
1	BOLT	ASTM A193 B8
2	NUT	ASTM A194 8
3	BODY	DI / CF8M
4	SLEEVE	NATURAL GUM RUBBER
5	RETAINER RING	CS+NR
6	GATE	SS316
7	PACKING	EPDM
8	GLAND FOLLOWER	AISI 1045 / SS316
9	YOKE	ASTM A36
10	PIN	ASTM A276 410
11	CYLINDER SHAFT	AISI 1045 + Cr / SS316
12	DUST COVER	COMPOSITE FABRIC
13	CYLINDER	COMBINATION
14	PLUG	AISI 1035 + Ni

**Dimensions (mm):**

DN	Φd	L	H
2"	51	175	455
2½"	60	175	492
3"	71	175	570
4"	98.5	175	661
5"	122	178	731
6"	148	178	821
8"	197	184	955
10"	246	226	1140
12"	292	257	1342
14"	336	257	1490
16"	375	279	1690
18"	425	311	1910
20"	470	359	2010
24"	584	372	2295
26"	635	372	-
28"	686	372	-
30"	737	394	-
32"	788	394	-
34"	838	470	-
36"	889	470	-



Yoke: DN350 - DN900

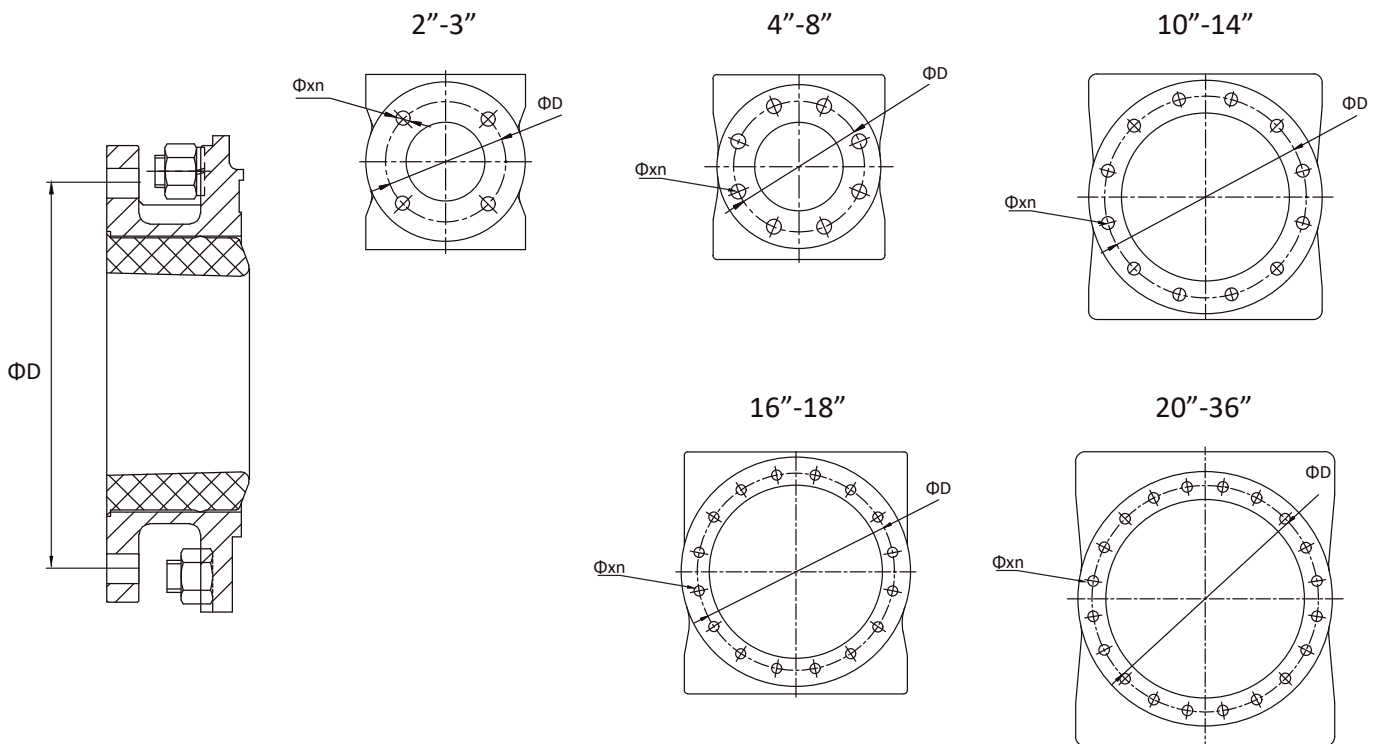


# KNIFE GATE VALVE

Slurry Knife Gate Valve - Flanged Type  
CLASS 150, 2" to 36" | Pneumatic Operation

**MODEL: KSD-SKG**

## Flange and Bolting Dimensions



### Dimensions (mm):

DN	ΦD	Φ x n
2"	120.7	Φ18 x 4
2½"	139.7	Φ18 x 4
3"	152.4	Φ18 x 4
4"	190.5	Φ18 x 8
5"	215.9	Φ22 x 8
6"	241.3	Φ22 x 8
8"	298.5	Φ22 x 8
10"	362	Φ26 x 12
12"	432	Φ26 x 12
14"	476.3	Φ29 x 12
16"	540	Φ29 x 16
18"	577.9	Φ32 x 16
20"	635	Φ32 x 20
24"	749.3	Φ35 x 20
26"	806.4	Φ35 x 24
28"	863.6	Φ35 x 28
30"	914.4	Φ35 x 28
32"	977.9	Φ42 x 28
34"	1028.7	Φ42 x 32
36"	1085.8	Φ42 x 32