



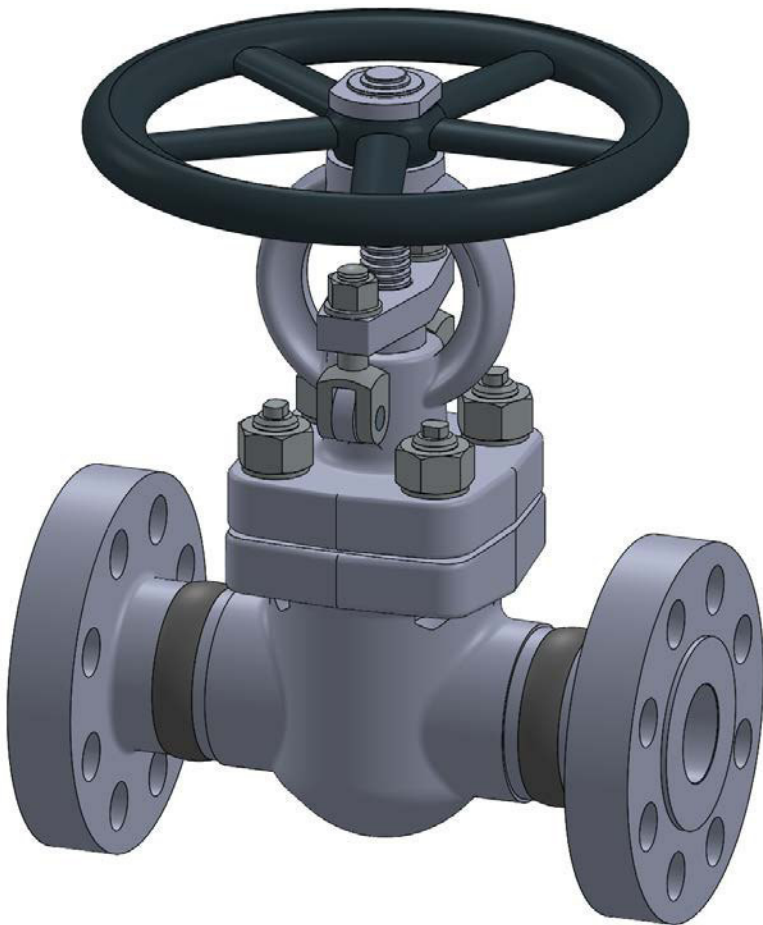
PHÖNIX

STRACK

DAUME
REGELARMATUREN



Solent & Pratt
Phönix Ltd



Gate Valve

Type S17

PN 10 - 160

Phönix Valve Group
Am Stadtbruch 6
34471 Volkmarsen

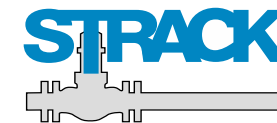
Phone:
web:
eMail:

+49 5693 988 0
www.phoenix-valvegroup.com
info@phoenix-valvegroup.com



Gate Valve / S17

DN 15 - 50
PN 10 / 25 / 40 / 63 / 100 / 160



Design

- Construction of forged components
- Flanged ends and Butt weld ends
- Full and straight bored
- Stem sealed by stuffing box
- Additional back seat at fully opened valve
- Rising stem

Dimensions

PN 10-25	Size / DN	15	20	25	40	50
	L _{Flange}	130	150	160	240	250
	H _{Closed}	262	274	274	356	356
	D	150	150	150	200	200
	Weight (kg)	6	6,5	7	14	15

PN 40	Size / DN	15	20	25	40	50
	L _{Flange}	130	150	160	240	250
	H _{Closed}	262	274	274	356	356
	D	150	150	150	200	200
	Weight (kg)	7	7,5	8	15	16

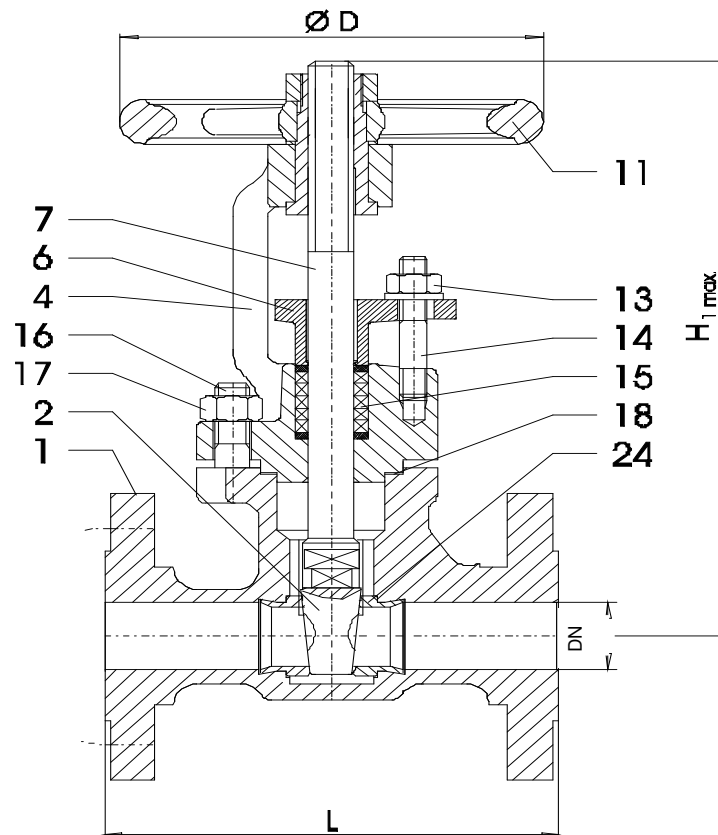
PN 63	Size / DN	15	20	25	40	50
	L _{Flange}	130	150	160	240	250
	H _{Closed}	262	274	274	356	356
	D	150	150	150	200	200
	Weight (kg)	8	8,5	9	16	17

PN100-160	Size / DN	15	20	25	40	50
	L _{Flange}	130	160	160	240	250
	H _{Closed}	262	274	274	356	356
	D	150	150	150	200	200
	Weight (kg)	9	10	10	19	20

Lift	25	25	27	54	54

Drag coefficient / Flow coefficient

Size / DN	15	20	25	40	50
ζ_v [-]	0,25	0,25	0,25	0,25	0,25
k_v [m ³ /h]	17,99	31,98	49,97	127	199



PHONIX reserves the right to change product design and specification without notice.

Gate Valve / S17

PN10 / 25 / 40 / 63 / 100 / 160 DN15 - DN50

Materials



Item	Part name	Heat resistant carbon steel			Low temperature steel		Stainless steel		
		Material * up to 400°C	DIN	Material * from -10°C up to 550°C	Material * from -50°C up to 300°C	DIN	Material * from -270°C up to 400°C	DIN	
1	Body	P250GH	1.0460	12CrMo19-5	1.7362	P355NL1	1.0566	X 2CrNiMo17-12-2	1.4404
24	Seat Overlay	X6CrNiMoTi17-12-2 (≈ 200 HRB)	1.4571 - ***	X6CrNiMoTi17-12-2 (≈ 200 HRB)	1.4571 - ***	X6CrNiMoTi17-12-2 (≈ 200 HRB)	1.4571 - ***	X6CrNiMoTi17-12-2	1.4571
2	Wedge Overlay	GX20Cr14 G Z 13 (≈ 300 HRB)	1.4027 1.4009***	G12CrMo19-5 Stellite 6 (≈ 42 HRC)	1.7363	GX5CrNiMo19-11-2 Stellite 6 (≈ 42 HRC)	1.4408	GX5CrNiMo19-11-2 Stellite 6 (≈ 42 HRC)	1.4408
4	Bonnet	P250GH	1.0460	12CrMo19-5	1.7362	P355NL1	1.0566	X 2CrNiMo17-12-2	1.4404
6	Gland follower	GP240GH	1.0619	GP240GH	1.0619	GS-10Ni14	1.5638	X6CrNiMoTi17-12-2	1.4571
7	Stem	X20Cr13	1.4021	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
11	Handwheel	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040
13	Hex.nut	Steel	5	Steel	5	A4-70		A4-70	
14	Stud bolt	Steel	5.6	Steel	5.6	A4-70		A4-70	
15	Packing	Graphite		Graphite		PTFE-Silk**		Graphite	
16	Stud bolt	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	A4-70		A4-70	
17	Hex.nut	25CrMo4	1.7218	25CrMo4	1.7218	A4-70		A4-70	
18	Bonnet gasket	Stainless steel / graphite		Stainless steel / graphite		Stainless steel / graphite		Stainless steel / graphite	
25	Threaded bushing	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057

Special materials on request

* Pressure-temperature-rating see appendix

** ≥ 220°C Packing of pure graphite

*** Stellite on request

Specification

Marking EN19, AD-A4, CE

Face-to-face dimensions

Flanged option DIN EN 558-1 / ≤ PN25: DN15-25 row 1 and DN40-150 row 15, PN40: DN15-25 row 1 and DN40-150 row 26, PN63: DN15-25 row 1 and DN40-50 row 26, PN100-160: row 2

Butt weld ends DIN EN 12982 up to PN100

Socket weld ends

Connections

Flanged option DIN EN 1092-1 up to PN100 / DIN 2512 PN160

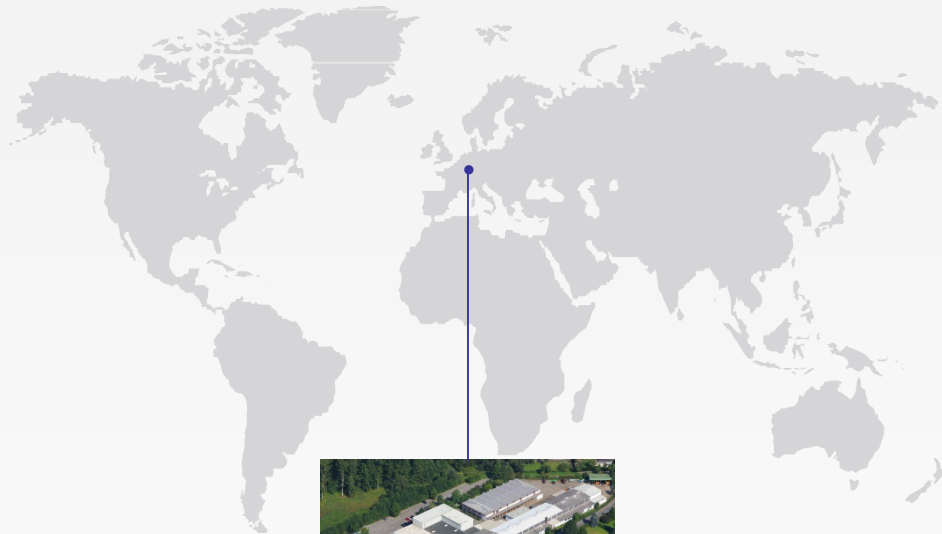
Butt weld ends DIN EN 12627

Socket weld ends DIN EN 12760

Testing standard AD-2000, DIN 3230 section 3, DIN EN 12266

PHÖNIX reserves the right to change product design and specification without notice.

Contact us



Volkmarsen, Germany

Sales and Operations

Phönix Valve Group GmbH

Volkmarsen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Phönix Armaturen Werke-Bregel GmbH

Volkmarsen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Strack GmbH

Volkmarsen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

PAW SARL

Genay Cedex, France
Phone: +33 437 408 195
Email: commercial@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Daume Regelarmaturen GmbH

Volkmarsen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Solent & Pratt Phönix Ltd.

Volkmarsen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com



While this information is presented in good faith and believed to be accurate, Phönix Valve Group GmbH, does not guarantee satisfactory results from reliance on such information. Nothing contained herein is to be construed as a warranty or guarantee, expressed or implied, regarding the performance, merchantability, fitness or any other matter with respect to the products, nor as a recommendation to use any product or process in conflict with any patent. Phönix Valve Group GmbH, reserves the right, without notice, to alter or improve the designs or specifications of the products described herein.

© 2022 Phönix Valve Group. All rights reserved. Specifications are subject to change without notice. All trademarks are property of their respective owners

Printed in Germany
09/22-R0