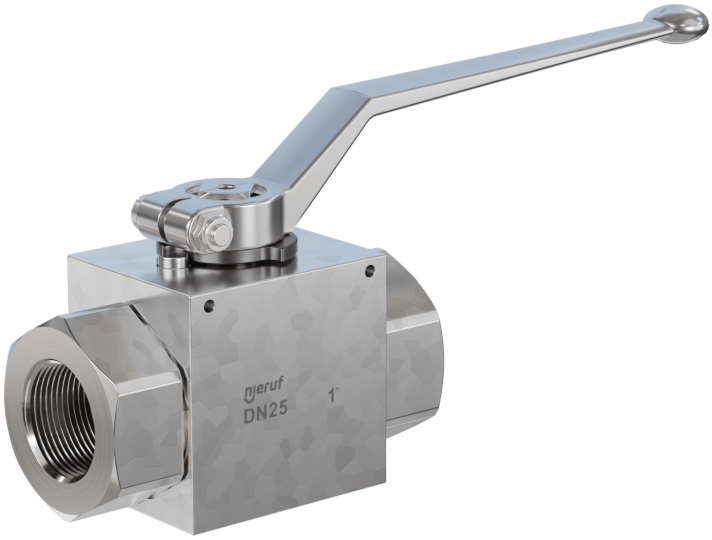
High-pressure ball valve TYPE GK21



Description:

High-pressure ball valve with threaded connection made of galvanized steel with reduced bore. Features a ball and handle for shutting off systems.

Product Features:

- Suitable for **liquid media**
- Used in hydraulic installations

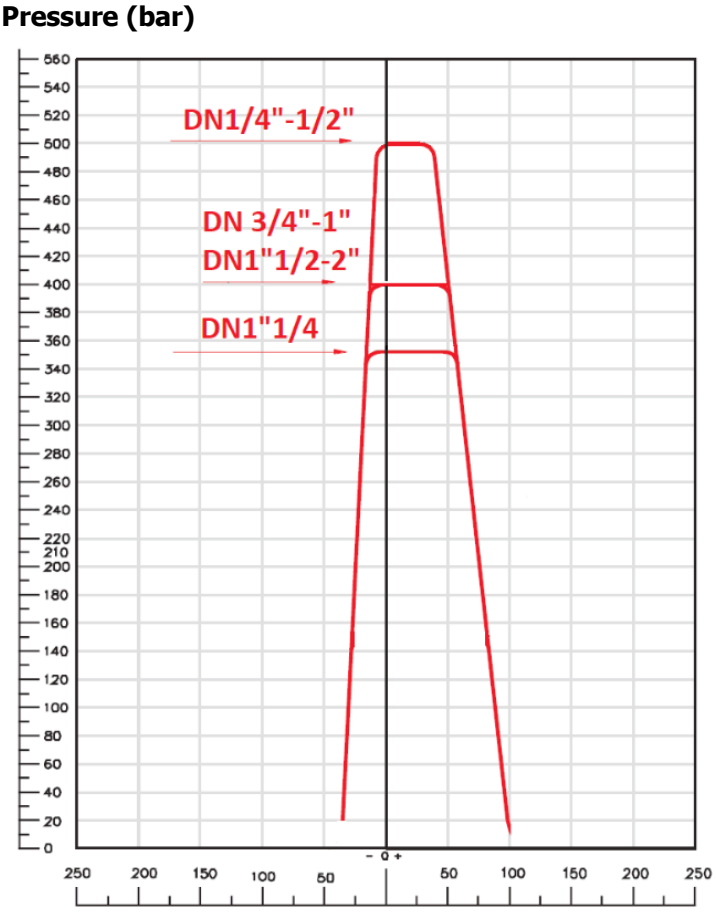
Sizes:
1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

Construction:
Reduced bore

Pressure:
max. 500 bar
(see pressure-temperature diagram)

Type:	Threaded ball valve with reduced bore
Connection:	BSP ISO 228-1 female thread
Body material:	1/4" to 1 1/4": Galvanized steel 1.0737 1 1/2" to 2": Galvanized steel 1.0570
Ball material:	Chrome-plated steel 1.0737
Seat:	POM
Stem material:	Steel 1.0737
Stem seal:	POM
Handle material:	1/4" to 1 1/4": Aluminum 1 1/2" to 2": Steel 1.0116
Temperature:	1/4" – 1 1/4": -20°C to +100°C – depending on operating pressure 1 1/2" – 2": -30°C to +100°C – depending on operating pressure
Max. pressure:	Max. 500 bar for 1/4" to 1/2" – depending on temperature max. 400 bar for 3/4" to 1" – depending on temperature Max. 350 bar for 1 1/4" – depending on temperature Max. 400 bar for 1 1/2" to 2" – depending on temperature

Pressure-temperature diagram (excluding steam):



Flow coefficient (Kvs values in m^3/h):

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Kvs	4.2	6.0	30.2	53.7	90.6	90.6	245.2	364.5

Torque values (in Nm, without safety coefficient)

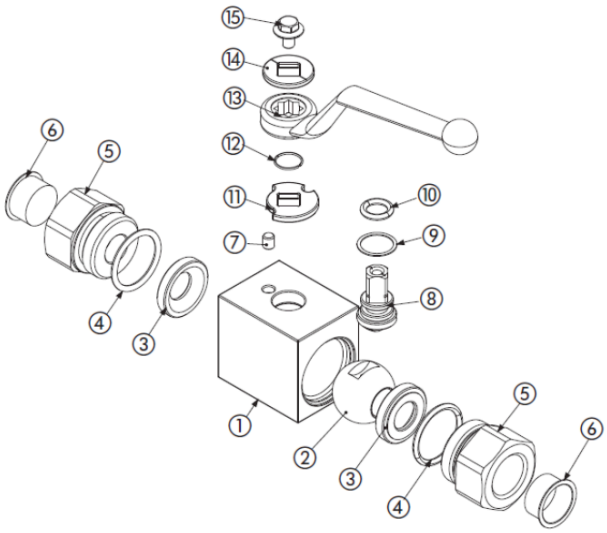
DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque	16	18	25	45	72	90	160	250

Standards:

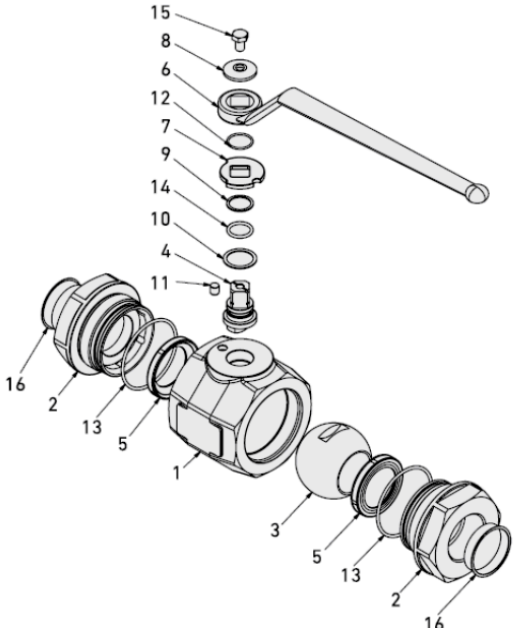
- DIRECTIVE 2014/68/EU:
  - DN 1/4" – 1": Article 4, §3, no CE marking
  - DN 1 1/4" – 2": Risk Category II, Module A2, CE0948
- Pressure tests in accordance with API 598
- BSP threads in accordance with ISO 228-1

Materials:

For sizes 1/4" to 1 1/4":



For sizes 1 1/2" to 2":

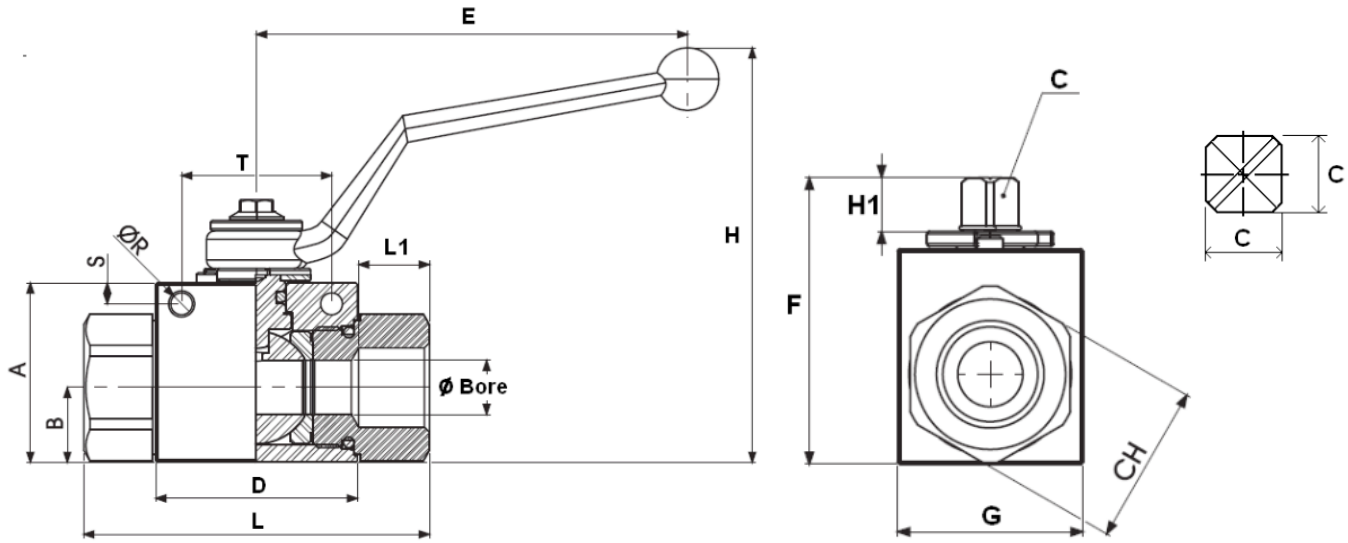


No.	Designation	Material
1	Body	Galvanized steel 1.0737
2	Ball	Chrome-plated steel 1.0737
3	Seat	POM
4	O-ring	NBR
5	Ends	Galvanized steel 1.0737
6	Caps	PVC
7	Spine	Steel 1.0737
8	Stem	Steel 1.0737
9	Stem seal	POM
10	O-ring	NBR
11	Washer	Steel 1.0116
12	Ring	Steel 1.4301
13	Handle	Aluminum
14	Handle washer	Steel 1.0116
15	Handle screw	Steel DIN 6921 8.8

No.	Designation	Material
1	Body	Galvanized steel 1.0570
2	Ends	Galvanized steel 1.0570
3	Ball	Chrome-plated steel 1.0737
4	Stem	Steel 1.0737
5	Seat	POM
6	Handle	Steel 1.0116
7	Washer	Steel 1.0116
8	Handle washer	Steel 1.0737
9	Ring	PTFE
10	Stem gasket	POM
11	Stopper	Steel 1.0737
12	Washer	Stainless steel 1.4301
13	O-ring body	NBR
14	O-ring stem	NBR
15	Screw	Steel ISO 4017 8.8
16	Caps	PVC

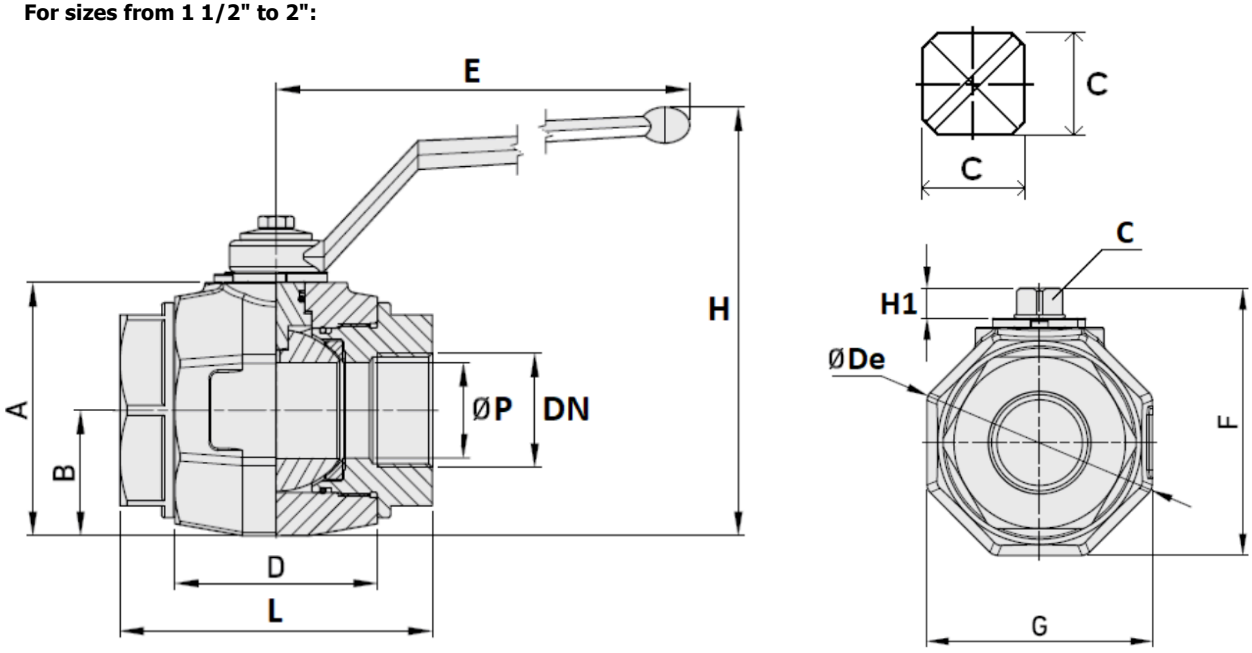
Dimensions:

For sizes from 1/4" to 1 1/4":



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Ø Bore	6	10	13	20	25	25
L	71	73	83	95	112	120
L1	15.5	15.5	17	21	24	24
E	110	110	110	180	180	180
H	91.5	96.5	99.5	106.5	116.5	116.5
H1	11	11	11	14	14	14
A	35	40	43	55	65	65
B	14.5	17.4	18.0	23.4	29.5	29.5
C	9	9	9	14	14	14
CH	24	30	32	41	50	55
D	42.4	44.4	48.4	62.5	66.5	66.5
F	49	54.25	57	73.5	83.5	83.5
G	30	35	37	45	55	55
Ø R	5.25	5.25	5.25	6.25	6.25	6.25
S	4.5	4.5	5	6	6	6
T	34	34	36	50	50	50
Weight (kg)	0.49	0.64	0.76	1.44	2.22	2.27

For sizes from 1 1/2" to 2":



DN	1 1/2"	2"
Ø P	40	50
L	131	140
L1	25	27
E	310	310
H	179.5	189
H1	14	14
A	106	115.5
B	52.5	58.5
C	17	17
CH	75	85
D	85	98
F	124.5	134
G	105	117
Ø De	113	126
Weight (kg)	6.75	8.71

Options (upon request):

- ATEX

Article number:

Type	Connection	Version	Size
GK21	**00 – BSP female thread**	**00 – Standard**	01 – 1/4" 02 – 3/8" 03 – 1/2" **04 – 3/4"** 05 – 1" 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

Example No. GK21000004

GK21	**00**	**00**	**04**

High pressure ball valve made of stainless steel

Connection: BSP female thread
Version: Standard
Size: 3/4”

Image similar, subject change without notice