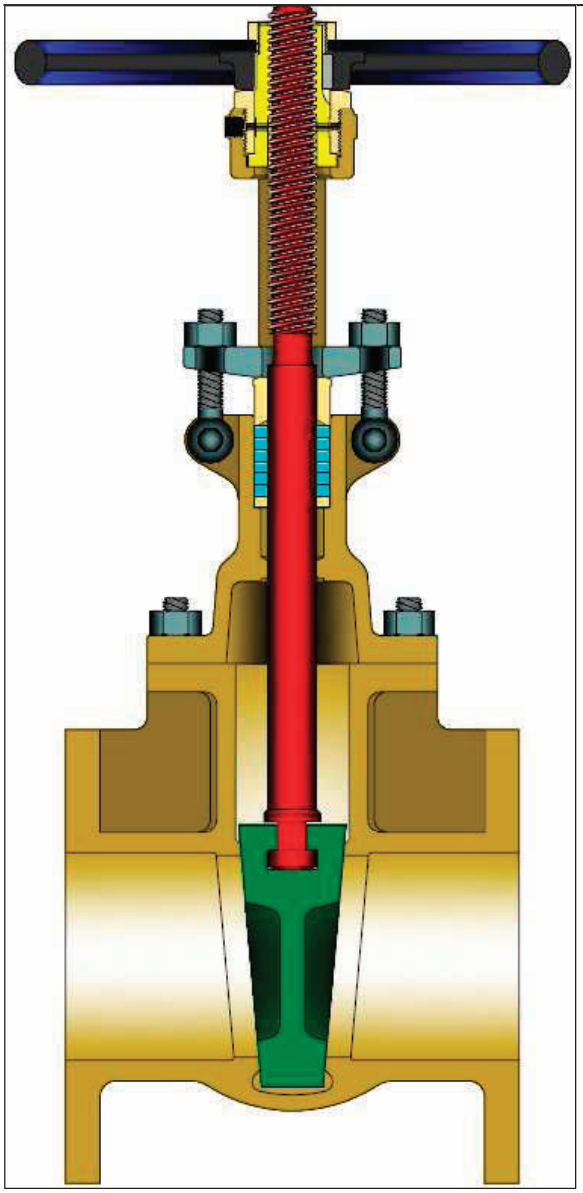
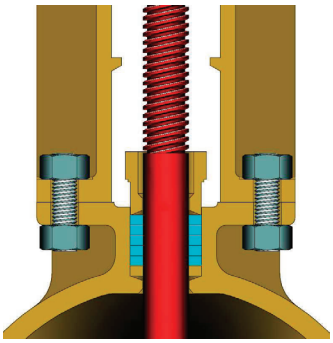
MSS SP-80 GATE VALVE
BOLTED BONNET, FLANGED ENDS
4 TO 12" (100 TO 300mm) CLASS 150
BRONZE RISING STEM



Class	Fig. No.
150	1414



(1) Yoke and Bonnet Design for Sizes 8" - 12"

STANDARD MATERIALS

PART	MATERIALS
Body	B62
Bonnet	B62
Set Screw	Steel
Wedge	B62
Gasket	Comm. Non-Asbestos
Stem	B16
Stem Bushing	B62
Body Bolt	300 SST
Body Nut	300 SST
Gland	B62
Gland Flange	A351 CF8
Packing	Graphite
Packing Washer	Bronze
Eyebolt	300 SST
Eyebolt Nut	300 SST
Eyebolt Pin	300 SST
Hand Wheel	A47 Gr. 32510
Hand Wheel Key	Steel
Hand Wheel Nut	Steel
Lubricant Fitting	Steel
Yokearms (1)	A47 Gr. 32510
Yokearm Ear Bolts (1)	Steel
Yokearm Ear Nuts (1)	Steel
Yokearm Bolts (1)	Steel
Yokearm Nuts (1)	Steel
Wheel Plate	Aluminum

(1) Sizes 8" - 12"

Design Specifications

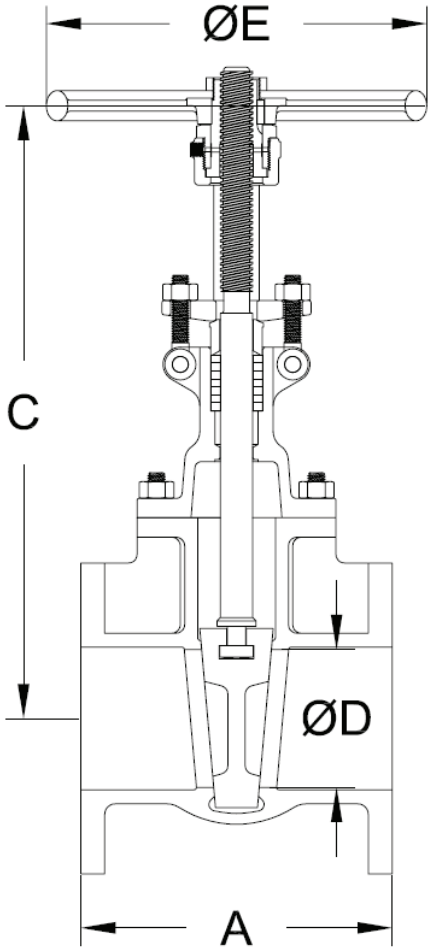
Item	Applicable Specification
Pressure - temperature ratings	MSS SP-80
General valve design	MSS SP-80
Flanged design	ASME B16.24
Materials	ASTM

DESIGN FEATURES:

- **Renewable** solid wedges.
- **Integral** seats.
- **Large** stuffing box.
- **Stems** are rotating / rising design.
- **Each** valve is shell and seat pressure tested per industry standard MSS SP-80.

GATE VALVE DIMENSIONS (CLASS 150).

SIZE	FIG 1414						
in / mm	A	C	D	E	WT	lb / kg	C_V
4	9.00	20.3	4.00	9.0	87		1020
100	229	496	98	221	39		
6	10.50	30.0	6.00	12.0	157		2440
150	267	735	147	294	71		
8	11.50	37.4	8.00	14.0	255		4500
200	292	916	196	343	116		
10	13.00	47.3	10.00	16.0	445		7000
250	330	1203	245	406	202		
12	14.00	55.5	12.00	16.0	714		10500
300	356	1410	294	406	324		



C = Center to top open

WT = Weight
C_V = Flow Coefficient