

GCD Series Gas Cylinder Connections are designed and manufactured in compliance with DIN 477 Part 1.

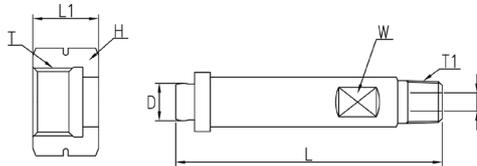
GCD connections apply to gas cylinder valves for test pressure up to 300 bar and designed for use on cylinders containing compressed gas, or gases liquefied and dissolved under pressure, and in conjunction with the relevant TRG codes or practice.

Complete Connection includes Connector, Nut and Gasket. Complete connections are supplied with gasket in loose as shown on picture.

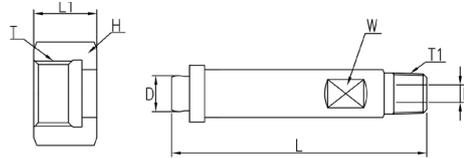
Feature

- Materials: Stainless Steel, Brass, and Brass Chrome Plated
- Re-usable PTFE Gasket (Patent Pending)
- Spare part available

Ordering Information and Dimensions
For complete connection

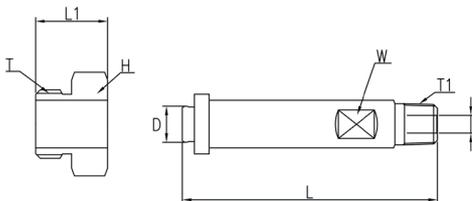


Complete Ordering Number	DIN Number	Dimensions, mm (in.)							W Wrench Flat	Gasket No.	
		T	T1	D	E	L	L1	H			
GCD-	1-SSA	1	W 21.8 LH	1/4" NPT	12(0.47)	5.9(0.23)	85(3.35)	21(0.83)	30(1.18)	12.9(0.51)	GPE2
	5-SSA	5	W 1 LH		7(0.27)	4.35(0.17)		22(0.87)	32(1.26)	12.9(0.51)	GPE1
	14-SSA	14	M 19 x 1.5 LH	1/8" NPT	9.5(0.37)	5(0.20)		18(0.71)	27(1.06)	9.85(0.39)	GPE3

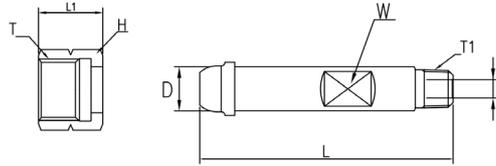


Complete Ordering Number	DIN Number	Dimensions, mm (in.)							W Wrench Flat	Gasket No.	
		T	T1	D	E	L	L1	H			
GCD-	6-SSA	6	W 21.8 RH	1/4" NPT	12(0.47)	5.9(0.23)	85(3.35)	21(0.83)	30(1.18)	12.9(0.51)	GPE2
	7-SSA	7	G 5/8		12(0.47)	5.9(0.23)		21(0.83)	30(1.18)		GPE2
	8-SSA	8	W 1 RH		7(0.28)	4.35(0.17)		22(0.87)	32(1.26)		GPE1
	9-11-SSA	9 (1)	G 3/4 RH		12(0.47)	5.9(0.23)		21(0.83)	32(1.26)		GPE2
	10-SSA	10	W 24.32 RH		12(0.47)	5.9(0.23)		21(0.83)	32(1.26)		GPE2
	11-SSA	11	G 3/8	1/8" NPT	9.5(0.37)	5(0.20)		18(0.71)	22(0.87)		GPE3

(1) supplied oxygen cleaned.



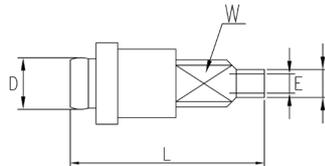
Complete Ordering Number	DIN Number	Dimensions, mm (in.)							W Wrench Flat	Gasket No.	
		T	T1	D	E	L	L1	H			
GCD-	13-SSA	13	G 5/8 RH	1/4" NPT	12(0.47)	5.9(0.23)	85(3.35)	24(0.94)	30(1.18)	12.9(0.51)	GPE2



Complete Ordering Number	DIN Number	Dimensions, mm (in.)								W Wrench Flat
		T	T1	D	E	L	L1	H		
GCD-4-SSA	4	G 3/8 LH	1/8" NPT	12.5(0.49)	5(0.2)	65(2.56)	16.5(0.65)	19(0.75)	9.85(0.39)	

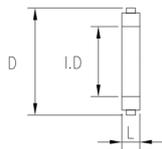
Weld Connector

Available only in SS316L material



Complete Ordering Number	DIN Number	Dimensions, mm (in.)				W Wrench Flat	Gasket No.
		D	d	L	E		
GCD-CD-SSL	-	12(0.47)	6.5(0.26)	45(1.77)	4.5(0.18)	7(0.28)	GPE2

PTFE Gasket Re-Useable



Gasket Ordering Number	Dimensions, mm (in.)			DIN Number
	L	D	I.D	
GPE1	3(0.12)	18(0.71)	7(0.28)	5,8
GPE2			11.8(0.46)	1,6,7,9,10,11,13
GPE3		14(0.55)	9(0.35)	14

Gasket Re-Usability: Care must be taken not to damage gasket by the nut being excessively tightened while complete connection is installed over gas cylinder valve. Prior to re-use, user must visually inspect each gasket to see if there are any damages.

Outer Ring: SS316

Oxygen Cleaning: To order gasket oxygen cleaned, suffix "11" to the ordering number. i.e., GPE1-11.

Material Designator

Material	Component Designator	Complete Connection Designator
SS316	SS	SSA
SS316L	SSL	SSLA
Brass	B	BA
Brass Chrome Plated	BCP	BCPA

Ordering Information

To order complete connection, select a complete ordering number.

i.e., GCD-1-SSA

- To order nut only, insert "N" into the complete ordering number. i.e., GCD-1-N-SS
- To order connector only, insert "C" into the complete ordering number. i.e., GCD-1-C-SS
- To order nut in brass, replace "SS" in the ordering number with the designator "B". i.e., GCD-1-N-B
- To order nut in brass chrome plated, replace "SS" in the ordering number with the designator "BCP". i.e., GCD-1-N-BCP
- To order gasket, select an applicable gasket ordering number. i.e., GPE1

Valve outlet connections and Service gases

The specification of different types of connection for each gas or group of gases is intended to preclude errors when filling or emptying such cylinders.

Connection Number	Service Gas
DIN 1	Methane, Hydrogen, Phosphine
DIN 4	Acetylene, Propane, Butane
DIN 5	Carbon Monoxide, Dichlorosilane, Hydrogen Sulfide
DIN 6	Ammonia, Argon, Carbon Dioxide, Helium, Krypton, Neon, Sulphur Hexafluoride, Xenon, Refrigerant Gases
DIN 7	Sulfur dioxide
DIN 8	Baron Trichloride, Baron Trifluoride, Chlorine, Hydrogen Bromide, Hydrogen Chloride, Nitrogen Trifluoride, Nitrous Oxide, Tungsten Hexafluoride
DIN 9	Oxygen
DIN 10	Nitrogen
DIN 11	Dinitrogen monoxide
DIN 13	Compressed air
DIN 14	Test gases (gases and gas mixtures used for metrological purposes)



Component Selection

The selection of component for any application or system design must be considered to ensure safe performance. Component function, material compatibility, component pressure and temperature rating, proper installation, operation and maintenance remain the sole responsibility of the system designer and the user. HSME Corporation accepts no liability for any improper selection, installation, operation or maintenance.