



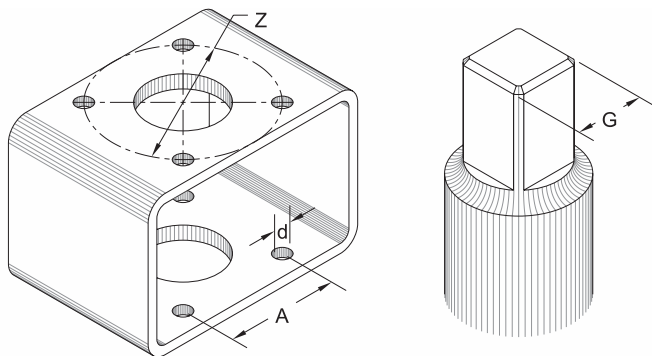
Understanding ISO 5211 STANDARDS

Standardized ISO 5211 Mounting for Reliable Valve Automation

ISO 5211 is the internationally recognized standard that defines the mounting interface between quarter-turn valves and actuators. By standardizing the bolt pattern, mounting flange dimensions, and drive square sizes, ISO 5211 allows actuators from many manufacturers to be installed on compatible valves without custom brackets or extensive modification.

ISO 5211 on GEMCO Valves

GEMCO'S high-performance **Spherical Disc valves** are designed with standard ISO 5211 actuator mounting, providing customers with broad actuator compatibility and simplifying automation projects. Combined with the P21 valve's cavity-free spherical disc design and full-port flow path, ISO 5211 mounting helps deliver reliable automated operation in demanding powder, bulk solids, slurry, and sanitary applications. GEMCO has long identified standard ISO 5211 actuator mounting as one of the key design advantages of the P21 valve.



MM INCH	A	Ød	ØZ	Number of Bolts	Bolt Ø	G
F03	25.4 1.00	5.5 7/32	36 1.417	4	M5 10 - 24	9 .354
F04	29.7 1.17	5.5 7/32	42 1.654	4	M5 10 - 24	11 .433
F05	35.4 1.39	6.5 5/16	50 1.969	4	M6 1/4 - 20	14 .551
F07	49.5 1.95	8.5 3/8	70 2.756	4	M8 5/16 - 18	17 .669
F10	72.1 2.84	10.5 7/16	102 4.016	4	M10 3/8 - 16	22 .866
F12	88.4 3.48	12.5 9/16	125 4.921	4	M12 1/2 - 13	27 1.063
F14	99 3.90	17 3/4	140 5.512	4	M16 5/8 - 11	36 1.417
F16	116.7 4.59	21 7/8	165 6.496	4	M20 3/4 - 10	46 1.811

Dimensions in mm and inch.



Why ISO 5211 Matters

CHOOSING VALVES WITH AN ISO 5211 MOUNTING INTERFACE PROVIDES LONG-TERM FLEXIBILITY AND SIMPLIFIES AUTOMATION PROJECTS.

GREATER ACTUATOR COMPATIBILITY

The standardized mounting pattern allows pneumatic, electric, and hydraulic actuators from many manufacturers to be mounted directly to the valve. This gives engineers the freedom to select the actuator best suited to their application rather than being limited to proprietary mounting systems.

SIMPLIFIED INSTALLATION

Because the mounting dimensions are standardized, installers can often mount actuators directly to the valve without custom adapter plates or fabricated brackets. This reduces installation time while improving alignment between the valve stem and actuator.

EASIER MAINTENANCE

If an actuator requires repair or replacement, another ISO 5211 compatible actuator can typically be installed with minimal modifications. Standardization helps reduce downtime and simplifies maintenance planning.

FUTURE FLEXIBILITY

Many facilities begin with manual operation and automate later. An ISO 5211 mounting pad allows future upgrades to pneumatic or electric automation without replacing the valve body.