

For use in China, Europe, Middle East, North America and South East Asia only.

# Handles and Gear Operators

## Handle Configuration Options and Descriptions

Model / Series		Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating		Body Material	Disc Material	Stem Material	Seat Material	Stem Seal	Mounting Type	Actuation Type		Optional Feature 1	Optional Feature ...		Actuation Option
GR	-	0100	L0	A1	00	16	-	D1	D01	S2	E0	00	K	B	-	NP1	TPZ	+	HS-12

The below table lists all available isolation valve handles. Not all handles are compatible with all isolation valve products. This table should be used to understand the components of a given model code, not to configure a manually actuated valve.

Config. No.	Handle Model	Operation and Locking	Handle Material	Notchplate Material	Mounting Type	Coating / Painting
HS-02	F301 (ISO)	90° - Lockable	Carbon Steel	Zinc Coated Steel	Knock-on	Black
HS-03	F301 (ISO)	90° - Lockable	Ductile Iron	Stainless Steel 304	Bolt-on	Black
HS-04	F301 (ISO)	90° - Lockable	Carbon Steel	Stainless Steel 304	Bolt-on	Black
HS-08	F401 (Non-ISO)	90° - Lockable	Ductile Iron	Stainless Steel 304	Bolt-on	Keystone Blue
HS-09	F401 (Non-ISO)	90° - Lockable	Ductile Iron	Zinc Coated Steel	Bolt-on	Keystone Blue
HS-10	F401 (Non-ISO)	90° - Lockable	Carbon Steel	Stainless Steel 304	Bolt-on	Keystone Blue
HS-11	F401 (Non-ISO)	90° - Lockable	Carbon Steel	Zinc Coated Steel	Bolt-on	Keystone Blue
HS-12	F401 (Non-ISO)	90° - Lockable	Carbon Steel	Zinc Coated Steel	Knock-on	Keystone Blue
HS-13	F401 (Non-ISO)	90° - Lockable	Stainless Steel 304	Stainless Steel 304	Bolt-on	Natural Finish
HS-25	F414 (ISO)	90° - Lockable	Carbon Steel	Stainless Steel 304 & Plastic	Bolt-on	Black
HS-27	F410 (Non-ISO)	90° - Lockable	Composite	Composite	Bolt-on	Black
HS-28	F419 (ISO)	90° - Lockable	Composite	Composite	Bolt-on	Black
HS-32	F401 (Non-ISO, K-LOK)	90° - Lockable	Ductile Iron	Zinc Coated Steel	Bolt-on	Keystone Blue
HS-51	F301 (ISO) – S38 K-LOK	90° - Lockable SQ	Carbon Steel	Stainless Steel 304	Bolt-on	Black
HS-52	F301 (ISO) – S38 K-LOK	90° - Lockable SQ	Ductile Iron	Stainless Steel 304	Bolt-on	Black
HS-00	Default Factory Handle / Lever					
HZ	Special					

### NOTES

1. The bolting is always in "Metric".
2. 90° - Lockable are all "90° Quarter-Turn, lockable in 10 positions".
3. The designation HZ is used for handles that have been configured with an option not listed in the above table.

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Disc Material	Stem Material	Seat Material	Stem Seal	Operator Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option
	GR	0100	L0	A1	00	16	D1	D01	S2	E0	00	K	B	NP1	TPZ

Config. No.	Gear Operator Model	Locking	Handwheel		Mounting Thread	Coating / Painting	Options		Variants
			Material	Orientation			Chainwheel	Switchbox	
GS-000	Standard Factory Gear Operator	Not Lockable	Standard	Standard	Metric / Imperial	Standard	-	-	Standard
GS-001	S500 - Keystone (Non-ISO, Imperial)	Not Lockable	Cast Iron	Right-Hand Side	Imperial	Paint - Blue RAL5013	-	-	Standard
GS-004	F455 - Keystone CM (ISO, Metric)	Not Lockable	Cast Iron	Right-Hand Side	Metric	ESPC - Black RAL9005	-	-	Standard
GS-006	F455 - Keystone WM (ISO, Metric)	Not Lockable	Mild Steel	Right-Hand Side	Metric	ESPC - Black RAL9005	-	-	Standard
GS-007	F455 - Keystone WM (ISO, Metric)	Not Lockable	Mild Steel	Left-Hand Side	Metric	ESPC - Black RAL9005	-	-	Standard
GS-008	S500 - Keystone (Non-ISO, Imperial)	Not Lockable	Cast Iron	Right-Hand Side	Imperial	Paint - Blue RAL5013	Standard Chain Wheel	-	Standard
GS-018	F455 - Keystone CM (ISO, Metric)	Lockable (including Padlock)	Cast Iron	Right-Hand Side	Metric	ESPC - Black RAL9005	-	-	Standard
GS-020	F455 - Keystone WM (ISO, Metric)	Lockable (including Padlock)	Mild Steel	Right-Hand Side	Metric	ESPC - Black RAL9005	-	-	Standard
GS-059	F427 - Keystone (Non-ISO, Imperial)	Not Lockable	Cast Iron	Right-Hand Side	Imperial	Paint - Blue RAL5013	-	-	Standard
GZ	Special								

**NOTE**

The designation GZ is used for gear operators that have been configured with an option not listed in the above table.

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