

# LOCK COMPARISON

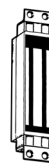
**YD30S & YD30D LOCKS**



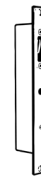
**M450 MAG LOCK**



**1561 SHEAR LOCK**



**ES81000 V LOCK**



**351M LOCK**



USER SELECTABLE MODES	Fail Safe & Fail Secure	Fail-Safe	Fail-Safe	Fail Safe & Fail Secure	Fail-Safe
DOOR HEADSPACE	Zero impact	Protrudes into doorway	Zero impact	Zero impact	Zero impact
HOLDING FORCE	1,000kg (2,200lb)	453kg (1,000lb)	907kg (2,000lb)	1,000kg (2,200lb)	510kg (1,124lb)
APPLICATION	High traffic volume YD30S: Single acting doors YD30D: Double acting doors	High traffic volume Single acting doors	High traffic volume Single and double acting doors	Medium traffic volume Single and double acting doors	High traffic volume Single and double acting doors
LIFECYCLE	1,000,000	1,000,000+	1,000,000+	500,000	1,000,000
BOLT PIN DIMENSIONS	Extension: 13mm (1/2") Thickness: 10mm (3/8") x2 Pieces for the YD30D	NA	NA	Extension: 19mm (3/4") Diameter: Ø11mm (7/16")	Extension: 10mm (3/8") Length: 30mm (1 3/16")
DOOR MISALIGNMENT CORRECTION	YD30S: 8mm (5/16") YD30D: ±8mm (±5/16")	NA	Zero	±6mm (1/4")	Zero
SIDE LOAD RELEASE	600kg (1,350 lb)	453kg (1,000lb)	Zero	15kg (33lb) fail safe 100kg (220lb) powered	510kg (1,124lb)
DOOR GAP	0 – 6mm (0 - 1/4")	NA	0 – 3mm (0 - 1/8")	3 - 8mm (1/8" - 5/16")	2 - 4.5mm (5/64 - 5/32")
LOCKING UNDER PRELOAD	8kg increasing to 30kg as door aligns	NA	Unpublished	20kg (12V) & 35kg (24V)	Unpublished
UNLOCKING TIME	< 0.3 seconds	< 0.3 seconds	< 0.3 seconds	1 second under preload	< 0.3 seconds
LOCKING TIME	1 second	< 0.3 seconds	< 0.3 seconds	3 seconds	2 seconds
INPUT VOLTAGE	10.2 – 27.6VDC	12 - 24VDC	10.8 - 26.4VDC	11.4 – 26VDC	12/ 24 / 48VDC
CURRENT DRAW	Max: 750mA @12VDC Holding: 40mA @12VDC	Max: 750mA @12VDC Holding: 750mA @12VDC	Max: 650mA @12VDC Holding: 650mA @12VDC	Max: 1,000mA @12VDC Holding: 35mA @12VDC	Max: 880mA @12VDC Holding: 480mA @12VDC
MONITORS	Built in; Bolt Position Door Position	Optional; Magnetic Bond Door Position Relock Time Delay	Optional; Magnetic Bond Door Position Visual Status Indicator	Built in; Bolt Position Door Position	Built in; Bolt Position Door Position
IP RATING	IP53	Unpublished	Unpublished	IP53	IP40
OPERATING TEMP	-10 to +60C (14° to 140° F)	0° to +49°C (32° to 120° F)	Unpublished	-10 to +60C (14° to 140° F)	-15 to +50C (5° to 122° F)
DIMENSIONS	YD30S: 160 x 30 x 47mm YD30D: 255 x 30 x 47mm	260 x 45 x 76mm	203 x 38 x 41mm	256 x 30 x 42mm	200 x 25 x 42mm
PRICE	YD30S: \$\$ YD30D: \$\$\$\$	\$	\$\$	\$\$\$	\$\$