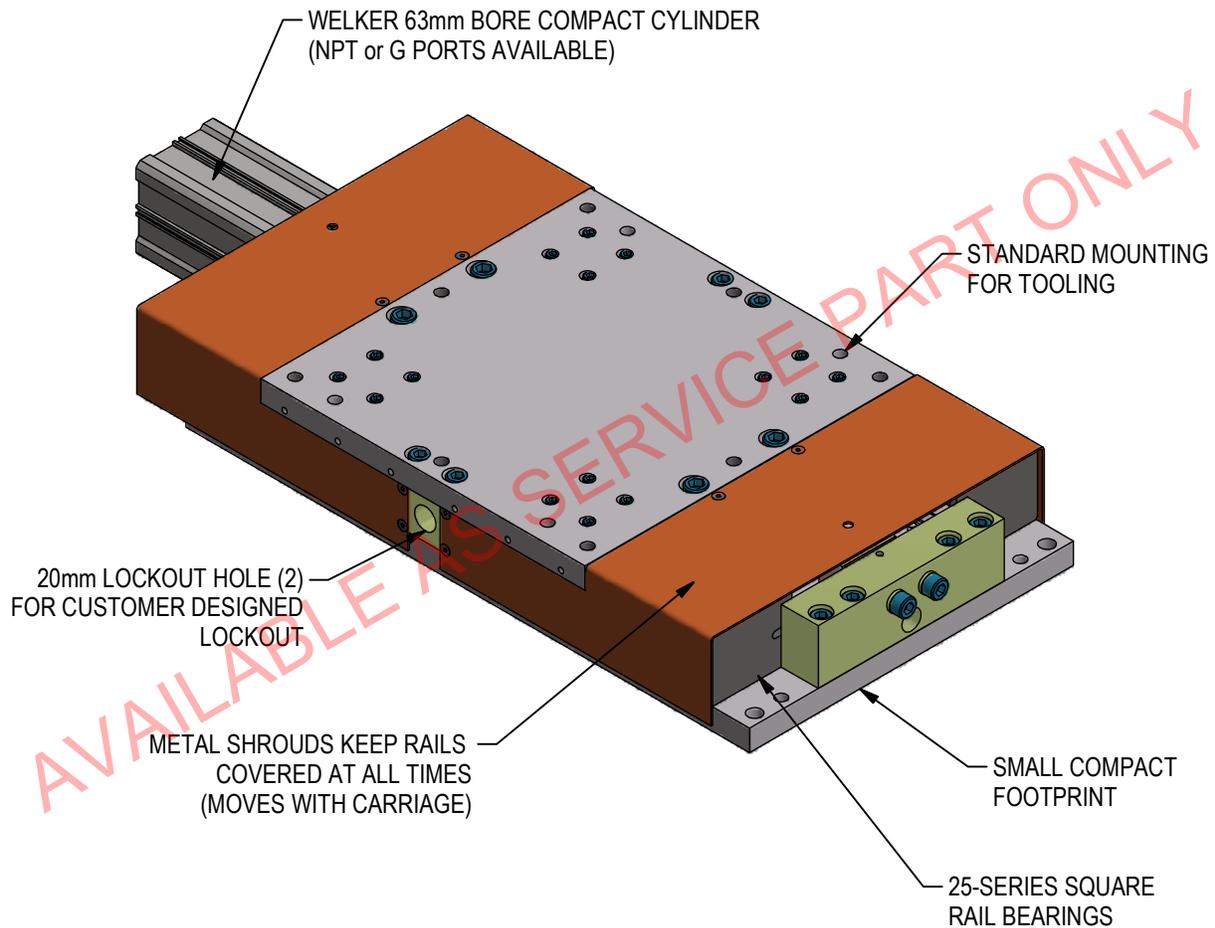


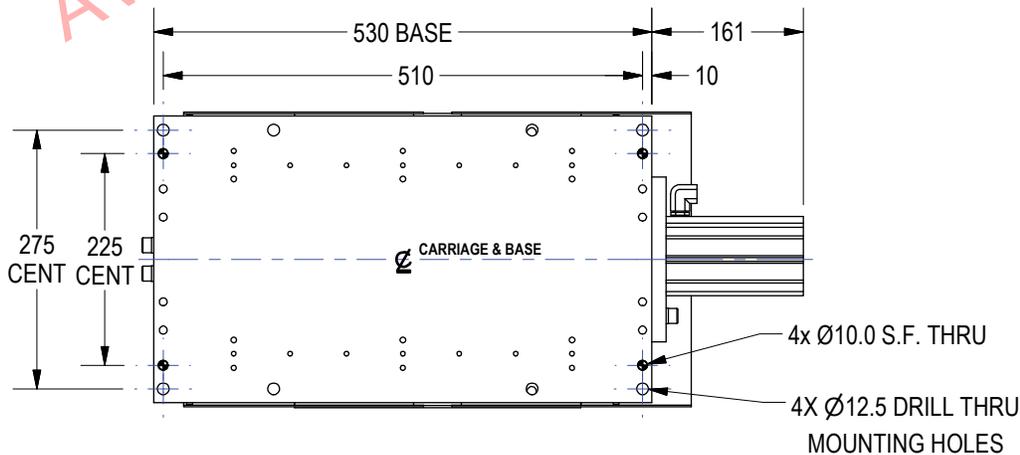
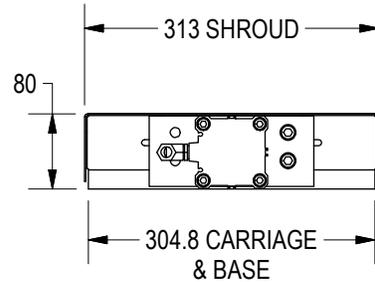
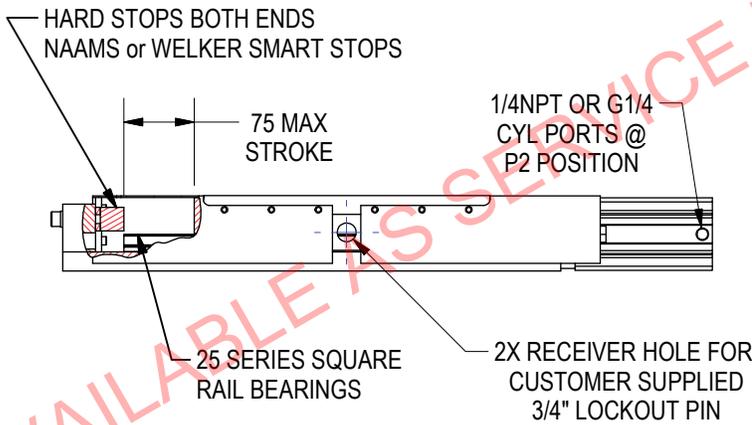
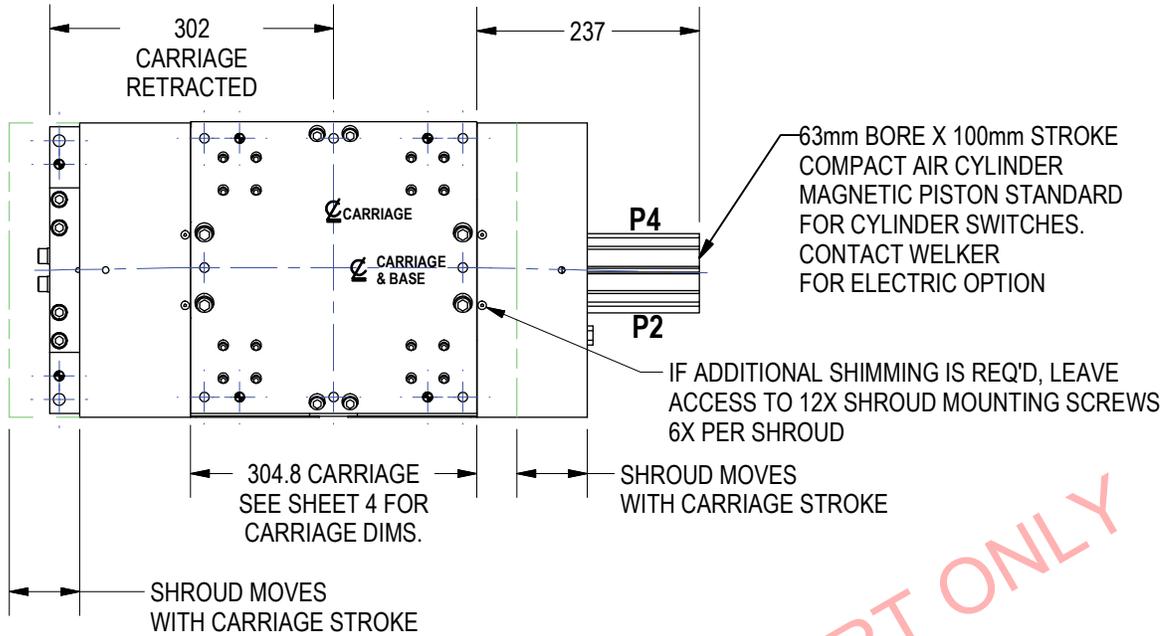
CS2 COMPACT POWERED SLIDE



WELKER SMART STOPS AVAILABLE
SHIM OPTIONS FOR STROKES UP TO 75mm
ALUMINUM CARRIAGE & BASE PLATE
WEIGHS ONLY 69 lbs.
500 lbs. LOAD CAPACITY

Released 1/16/15

GENERAL DIMENSIONS



UNIT WEIGHT: 69 LBS

SHEET 3

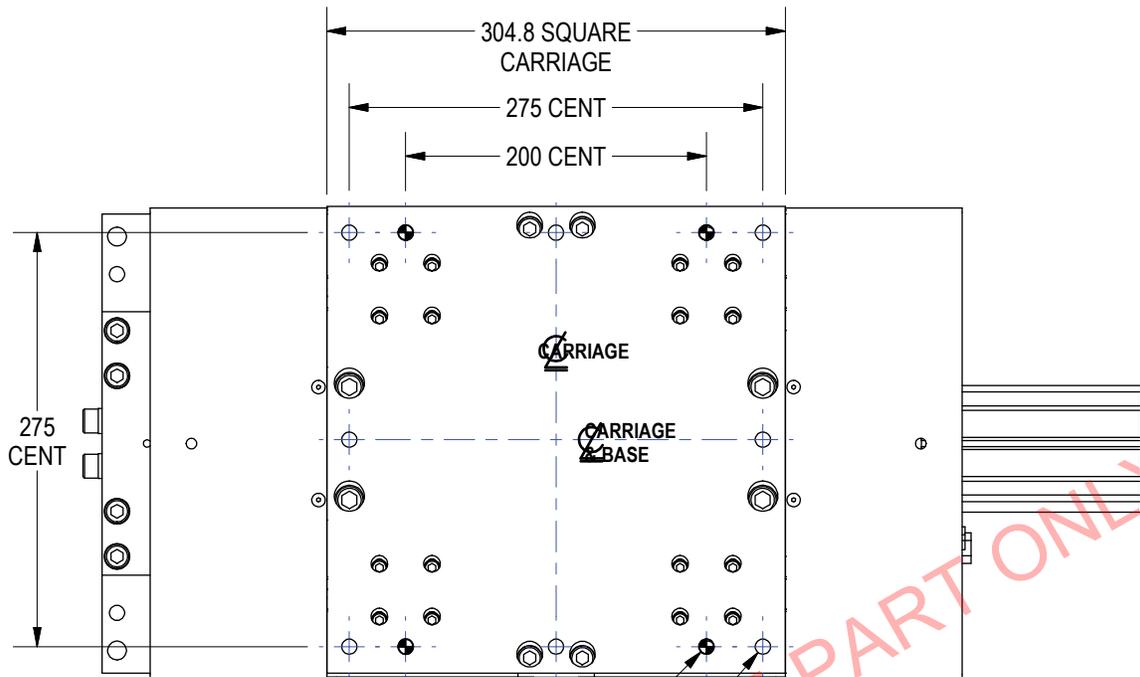
(DO NOT SCALE DRAWING)

WELKER

ENGINEERED PRODUCTS

(800) 229-0890 www.welkerproducts.com

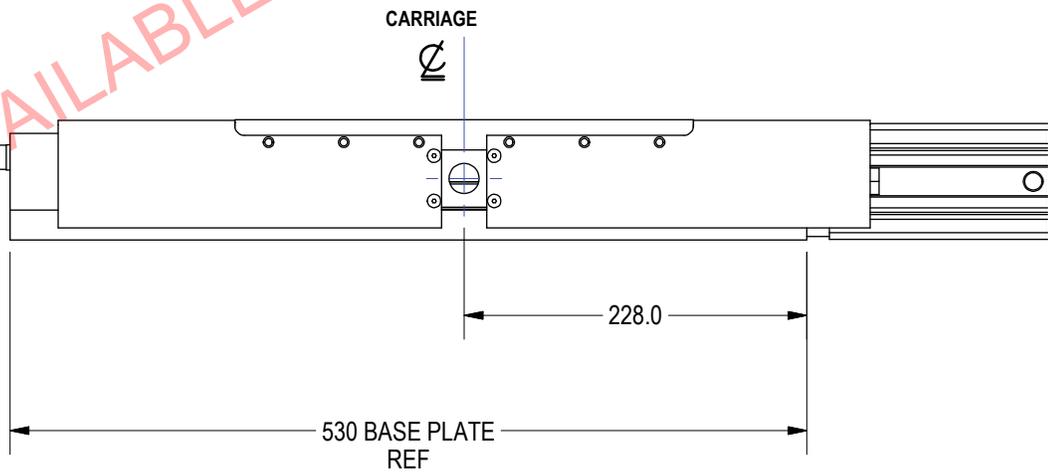
CARRIAGE DIMENSIONS



4X Ø10.0 DOWEL P.F. THRU

8X M12 X 1.75 TAP THRU

AVAILABLE AS SERVICE PART ONLY



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WELKER SMART STOP

WELKER SMART STOP does all stopping & sensing functions in one part.
SMART STOP minimizes engineering, field set up and operator adjustment time.

WELKER SMART STOP eliminates:

- Need for separate mounts, brackets & flags.
- Need for switch adjustments when shimming.
- Improper adjustment of outboard switches.
- Outboard switch vibrating loose in bracket.
- Protecting outboard proxies from being stepped on or bent in tools.

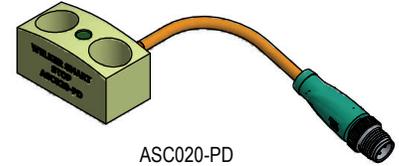
MODEL NO:

ASC020-PD FOR CROWNED, DRILL & C'BORE FOR M10 SHCS + DC SWITCH

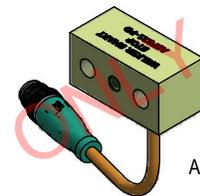
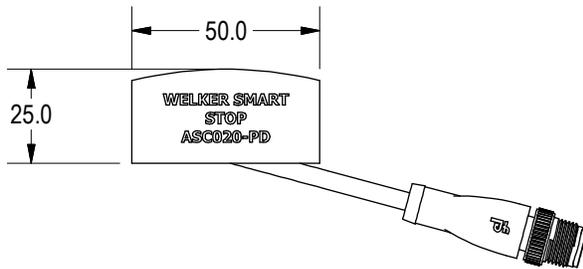
ASC021-PD FOR CROWNED, M10X1.5 TAP + DC SWITCH

ASF020-PD FOR FLAT, DRILL & C'BORE FOR M10 SHCS + DC SWITCH

ASF021-PD FOR FLAT, M10X1.5 TAP + DC SWITCH



ASC020-PD



ASF021-PD

General Specifications

Switching function	Normally Open (NO)
Output type	PNP
Rated operating distance, s _n	1.75mm
Output polarity	DC
Assured operating distance s _a	0 - 1.42 mm
Output type	3-wire

Nominal Ratings

Operating voltage, U _B	5 - 30 V DC
Switching frequency, f	0 - 6000 Hz
Reverse polarity protection	Reverse polarity protected
Short-circuit protection	Pulsing
Voltage drop, U _d	≤ 1.5 V
Operating current, I _L	0 - 100 mA
Off-state current, I _r	0 - 0.2 mA
No-load supply current, I ₀	≤ 15 mA

Indicators/Operating Means

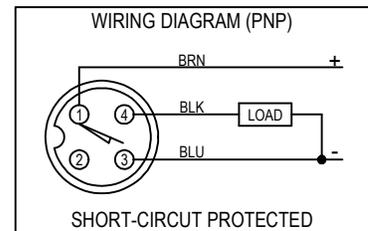
Operating voltage indicator	LED green
Switching state indicator	LED yellow

Ambient Conditions

Ambient temperature	-40 - 85 °C (-40 - 185 °F)
Storage temperature	-40 - 85 °C (-40 - 185 °F)

Mechanical Specifications

Connection type Connector plug	M12 x 1, 4-pin
Cable length	255mm
Degree of protection	IP67
Cable material	Weld spatter resistant, robotic quality POC
Cable color	Orange



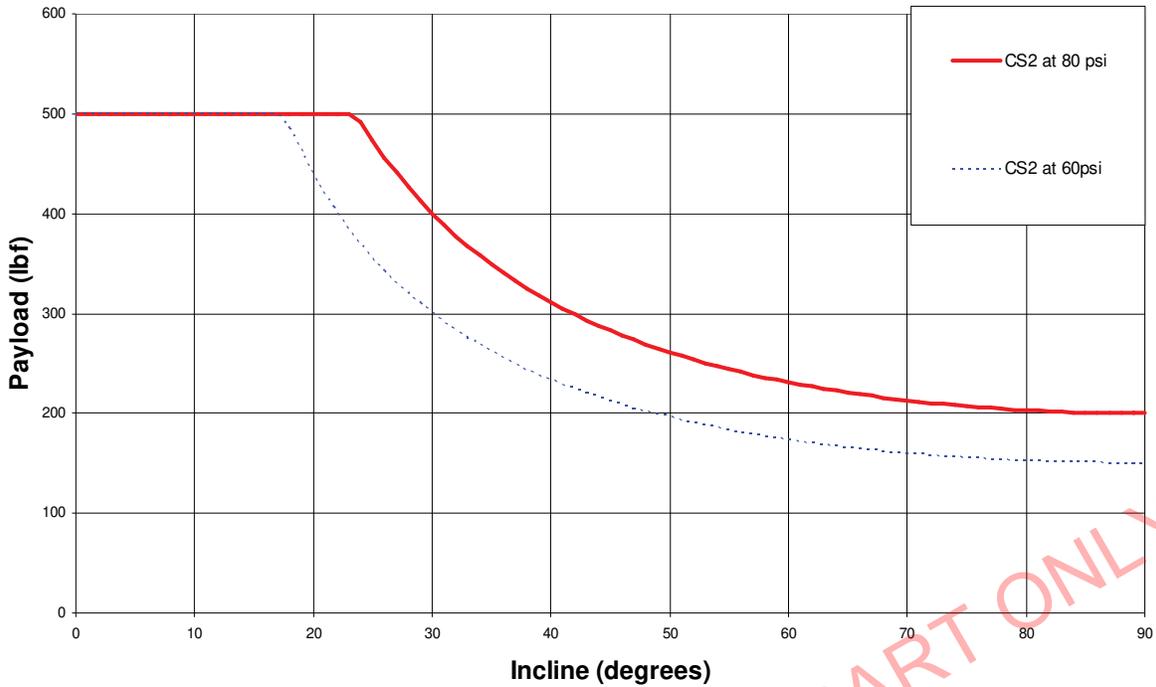
(DO NOT SCALE DRAWING)



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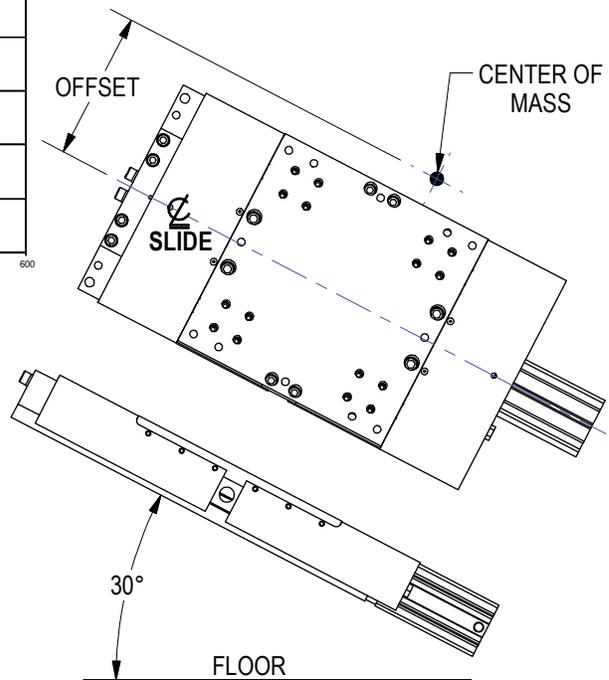
Rail Slide Load-Incline Capacity



Rail Slide Load-Moment Capacity



Applications are evaluated in two separate calculations: payload and moment load. An approvable application meets both criteria. For applications outside the graph safety zone, contact Welker.



Loading Example for CS2 Slide:

For an application with a 250 lbf (1.1 kN) payload, offset 8 inches and operating at a 30 degree incline, first verify if the payload falls inside the "Load-Incline" chart. The 250 lbf payload falls under the 60 psi curve at the 30° incline. This is an acceptable payload. Next, the center of mass, at 8" offset has an applied moment load of 2000 in-lbf. (226 N-m). Using the Moment-Load Capacity chart at 250 lbf, shows an allowable moment load of approx. 11,000 in-lbf (1243 N-m). The 2000 in-lb moment is less than the 11,000 allowable. This is an acceptable moment load. Note that the offset distance is the same regardless of the slide orientation to the floor.

(DO NOT SCALE DRAWING)

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