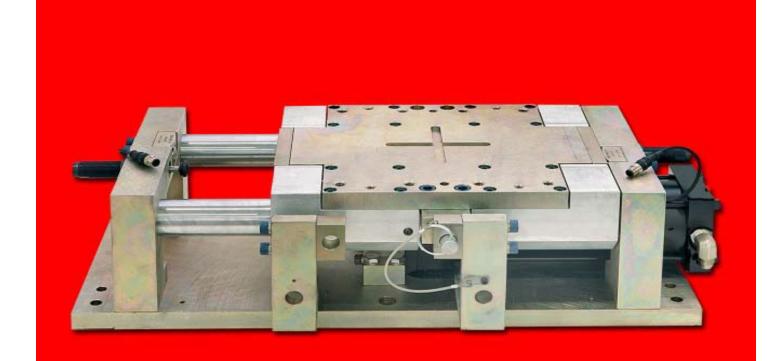
POWERED SLIDES



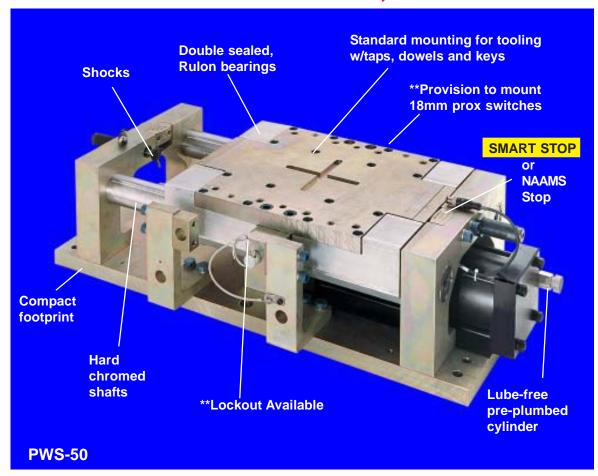
AVAILABLE WITH WELKER SMART STOP

FEATURES

Modular Construction Easily Serviceable Cylinder Mounts in any orientation Pre-engineered unit saves engineering time and reduces cost **Plated steel components**

** Plus**

POWERED SLIDES PWS50,75 & HDS 75



WELKER POWERED SLIDES are commercially available slides that provide all the desired features that engineers and designers need. The compact, yet robust powered slides have been designed to provide symmetry and flexibility of installation. PWS Slides are available in three sizes and capabilities. They can be mounted in any orientation and are designed to operate successfully in harsh environments.

Available pneumatic cylinders types are non-locking, duplex, locking and programmable. Hydraulic and electric powered slides are also available. Minimum stroke for powered slides is 50mm.

**The manual lockout brackets and proximity switch mounts are reversible and can be relocated in the field or called out in the part number. 5mm grind spacers are available for the NAAMS stops on both ends of the slide. Add "SP5" suffix when ordering. Spacers will also be added to manual lockout when this option is specified. Note: Using the "SP5" option reduces the stroke of the slide by 10mm.

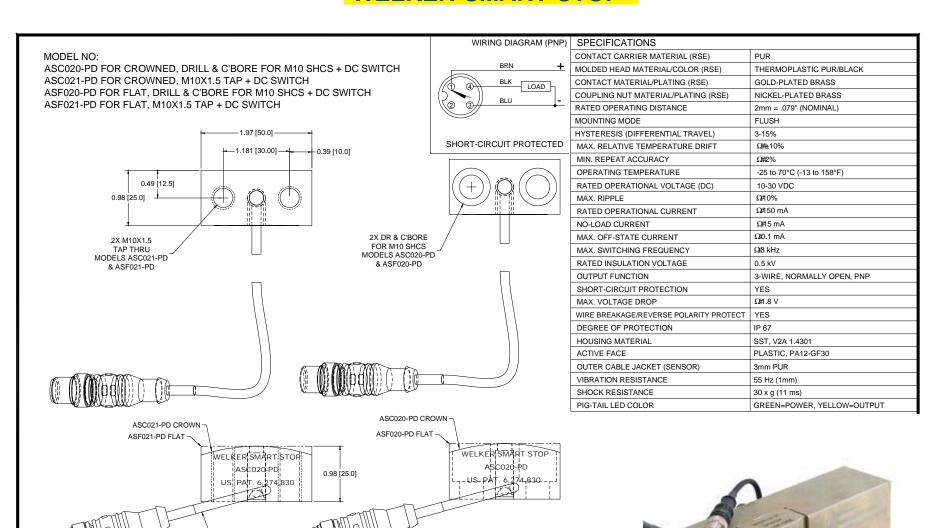
WELKER SMART STOP does all stopping and sensing functions in one part. SMART STOP minimizes engineering, field set up and operator adjustment time.

WELKER SMART STOP eliminates:

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



WELKER SMART STOP



Download CAD drawings @welkerbearing.com

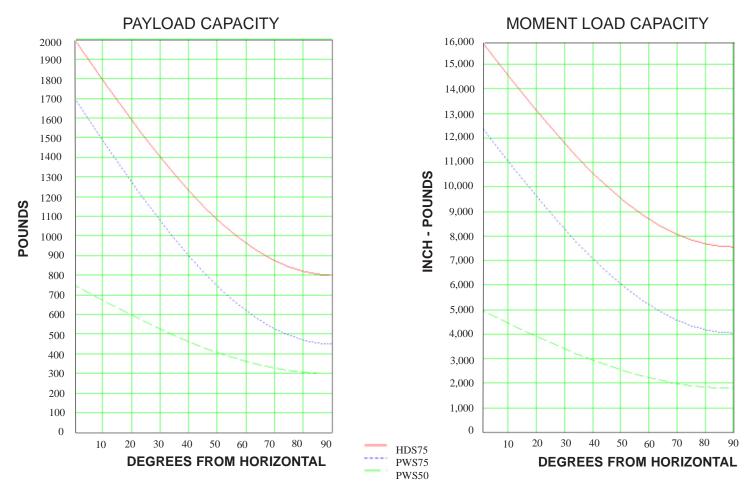
ANTI-VIBRATION DETENT

EUROFAST M12X1

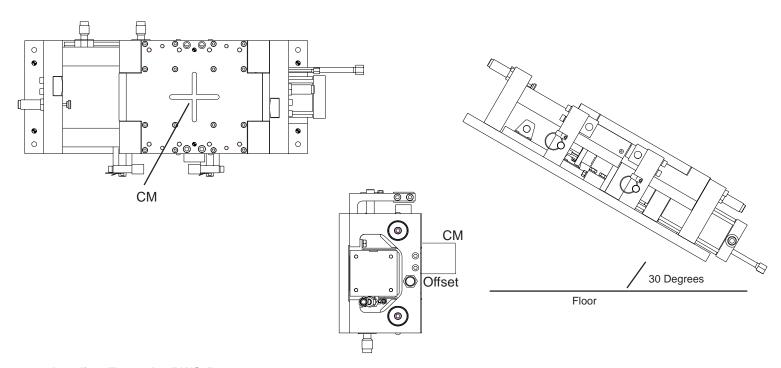
MALE 4 PIN

Ø4.22mm FIREFAST 300mm TOTAL LENGTH

INCLUDING CONNECTOR

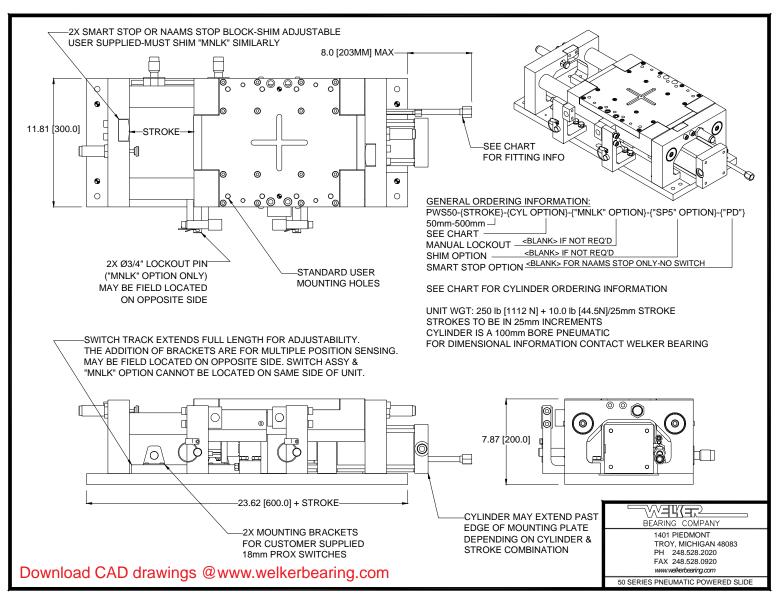


Applications are evaluated in two separate calculations: payload and moment load. An approvable application meets both criteria. For applications outside either graph safety zone, contact Welker.



Loading Example: PWS-50

An application with 400 lbf. load, offset 6 inches and operating at a 30 degree incline has an applied moment load of 240 in*lbf. with a 30 degree incline, the allowable payload is 500 lb. The allowable moment load is 3400 in*lbf. Note that the offset, in inches, is the same regardless of the slide orientation to the floor. Round shafting makes calculations the same for all slide orientations.

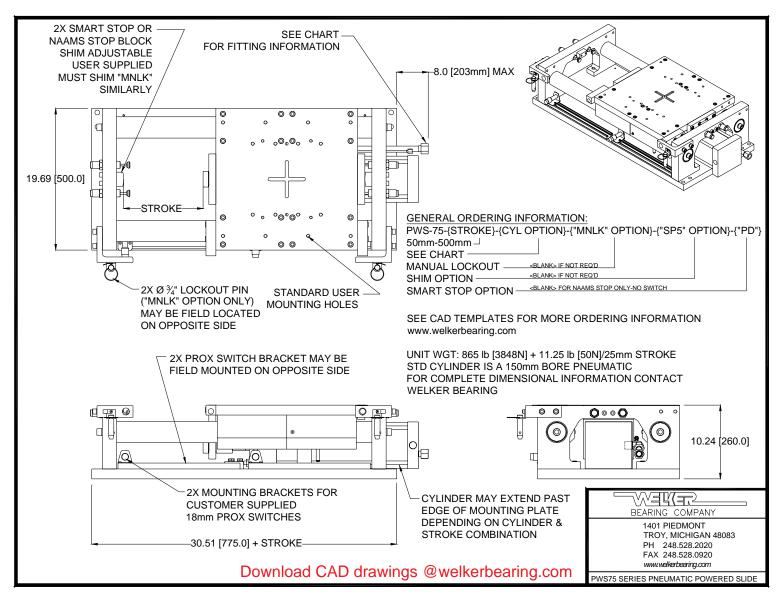


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CYL OPTION	CYL TYPE	CYL BRAKE PORTS	MAIN CYL PORTS
-WEL1	NON-LOCK	N/A	1/2 NPT
-WEL2	NON-LOCK	N/A	#10 SAE
-WEL3	NON-LOCK	N/A	1/2 G
-WEL4	LOCK	1/4 NPT	1/2 NPT
-WEL5	LOCK	#4 SAE	#10 SAE
-WEL6	LOCK	1/4 G	1/2 G
-WEL7	NON-LOCK DUPLEX	N/A	1/2 NPT
-WEL8	NON-LOCK DUPLEX	N/A	#10 SAE
-WEL9	NON-LOCK DUPLEX	N/A	1/2 G
-WEL10	LOCKING DUPLEX	1/4 NPT	1/2 NPT
-WEL11	LOCKING DUPLEX	#4 SAE	#10 SAE
-WEL12	LOCKING DUPLEX	1/4 G	1/2 G
-WEL13	DOUBLE FORCE	N/A	1/2 NPT
-WEL14	DOUBLE FORCE	N/A	#10 SAE
-WEL15	DOUBLE FORCE	N/A	1/2 G

Fitting Notes:

Brake port and any cylinder ports inside of slide end plate will be hard piped out the back of slide with 1/2" O.D. tubing with #8 female, 37 degree flare fitting, for cylinder ports, and 1/4" O.D. tubing with #4 female, 37 degree flare fitting, for brake port.

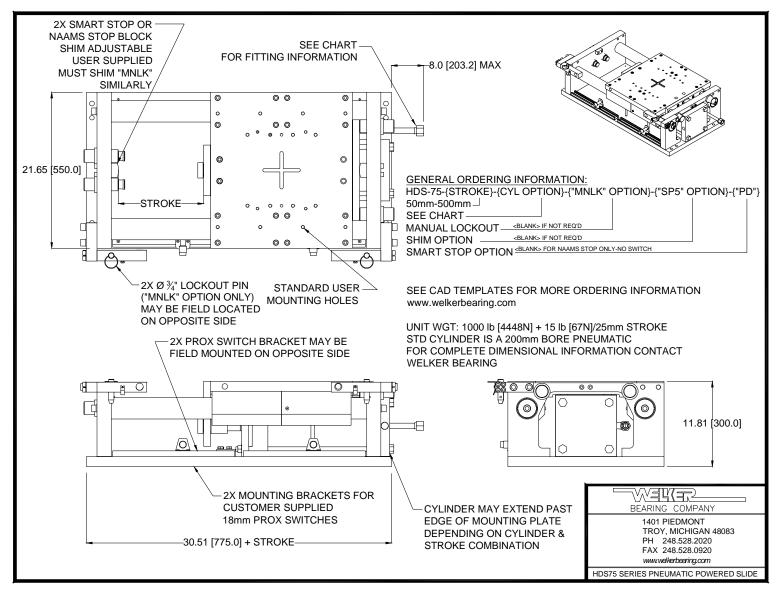


PWS75 CHART

CYL OPTION	CYL TYPE	CYL BRAKE PORTS	MAIN CYL PORTS
-WEL1	NON-LOCK	N/A	3/4 NPT
-WEL2	NON-LOCK	N/A	#12 SAE
-WEL3	NON-LOCK	N/A	3/4 G
-WEL4	LOCK	1/4 NPT	3/4 NPT
-WEL5	LOCK	#4 SAE	#12 SAE
-WEL6	LOCK	1/4 G	3/4 G
-WEL7	NON-LOCK DUPLEX	N/A	3/4 NPT
-WEL8	NON-LOCK DUPLEX	N/A	#12 SAE
-WEL9	NON-LOCK DUPLEX	N/A	3/4 G
-WEL10	LOCKING DUPLEX	1/4 NPT	3/4 NPT
-WEL11	LOCKING DUPLEX	#4 SAE	#12 SAE
-WEL12	LOCKING DUPLEX	1/4 G	3/4 G
-WEL13	DOUBLE FORCE	N/A	3/4 NPT
-WEL14	DOUBLE FORCE	N/A	#12 SAE
-WEL15	DOUBLE FORCE	N/A	3/4 G

Fitting Notes:

Brake port and any cylinder ports inside of slide end plate will be hard piped out the back of the slide with 3/4" O.D. tubing with #12 female 37 degree flare fitting, for cylinder ports, and 1/4" O.D. tubing with #4 female 37 degree flare fitting, for brake port.



Download CAD drawings @www.welkerbearing.com

HDS75 CHART

CYL OPTION	CYL TYPE	CYL BRAKE PORTS	MAIN CYL PORTS
-WEL1	NON-LOCK	N/A	3/4 NPT
-WEL2	NON-LOCK	N/A	#12 SAE
-WEL3	NON-LOCK	N/A	3/4 G
-WEL7	NON-LOCK DUPLEX	N/A	3/4 NPT
-WEL8	NON-LOCK DUPLEX	N/A	#12 SAE
-WEL9	NON-LOCK DUPLEX	N/A	3/4 G

Fitting Notes:

Brake port and any cylinder ports inside of slide end plate will be hard piped out the back of the slide with 3/4" O.D. tubing with #12 female 37 degree flare fitting, for cylinder ports, and 3/8" O.D. tubing with #6 female 37 degree flare fitting, for brake port.



PRODUCTS

Lubrication-Free Linear Slides & Gibs

Lubrication-Free Shot Pin Packages

Lubrication-Free Lock-Out Pin Packages

Lubrication-Free Gapless Locating Pin Clamp Packages

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Rulon ® Bearings

CIP Composite Bearings

Sintered & Cast Bronze Bearings

Welker Friction Rollers & Sintered Miter Gears

Pacific[™] Bearing Systems

Call your Welker representative for specific application information. (800) 229-0890

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