



## Attachments for Slipsheet Applications.

### APPLICATIONS

These push/pulls are rugged, heavy duty attachments for high cycle slipsheet applications requiring high productivity with low maintenance. The Cascade dedicated push/pulls are the best performing and durable push/pull available.

### FEATURES

#### *High production slipsheet handling capabilities*

- High visibility pantograph, gripper jaw and faceplate
- Full bottom taper/adjustable platens
- 4° tilting faceplate
- Chamfered platen corners and gripper jaw design protects the slipsheet

#### *Strength and durability in demanding applications*

- High strength, rigid pantograph for safe load packing
- T-1 steel platens
- Protected hydraulics
- "Cushion" cylinders reduce operating noise
- Simplified hydraulic circuit

#### *Easy, versatile mounting*

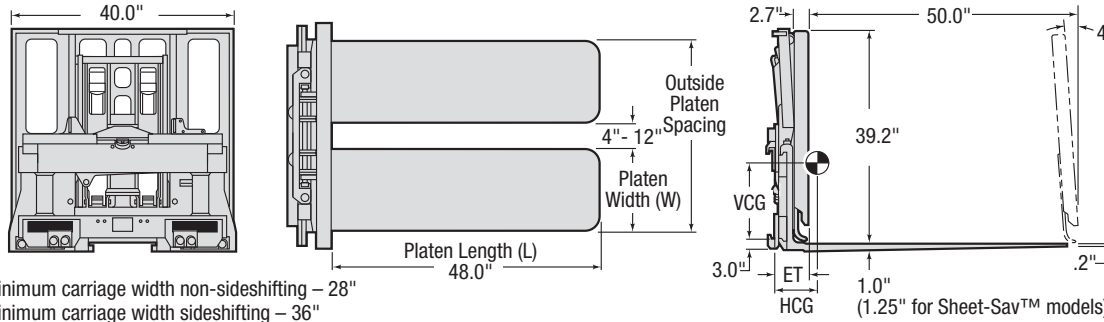
- Sideshift J-plate is automatically engaged when the push/pull is set on the truck carriage
- No false carriage is required on quick disconnect models
- Sideshift feature provides 4 inches (100mm) of sideshift in each direction

### OPTIONS

- Quick-change hydraulic couplers
- Quick-disconnect mounting
- Hydraulic flow control valve
- Extended height and width faceplates
- Extended push strokes
- Faceplate stop group
- Attachment mounted solenoid adaption group
- Optional platen sizes
- Forks and multiple fork groups
- Class III mounting (45E only)



*A rugged, heavy duty push/pull for general slip sheet applications.*



Minimum carriage width non-sideshifting – 28"  
 Minimum carriage width sideshifting – 36"

Capacity @ 24" Load Center	(606 mm)	Type	Platen Size WxL	Catalog Order No.	Mtg. Class/ Lower Hook Type	Outside Platen Spacing	Weight		Effective Thickness ET	Horizontal Center of Gravity HCG	Vertical Center of Gravity VCG
							lbs	kg			
3,500	1,590	Sideshifting Push/Pull	18" x 48"	35E-PPS-A001	II Bolt-On	40"-48"	1,105	502	6.5"	8.7"	8.8"
3,500	1,590	Sideshifting Push/Pull	18" x 48"	35E-PPS-Q002	II Q.D.	40"-48"	1,105	502	6.5"	8.7"	8.8"
3,500	1,590	Sideshifting Push/Pull	15" x 48"	35E-PPS-A003	II Bolt-On	34"-42"	1,055	479	6.5"	8.0"	9.3"
3,500	1,590	Sideshifting Push/Pull	15" x 48"	35E-PPS-Q004	II Q.D.	34"-42"	1,055	479	6.5"	8.0"	9.3"
3,500	1,590	Non-Sideshifting Push/Pull	18" x 48"	35E-PPB-A001	II Bolt-On	40"-48"	1,090	495	6.5"	8.8"	8.8"
3,500	1,590	Non-Sideshifting Push/Pull	18" x 48"	35E-PPB-Q002	II Q.D.	40"-48"	1,090	495	6.5"	8.8"	8.8"
3,500	1,590	Non-Sideshifting Push/Pull	15" x 48"	35E-PPB-A003	II Bolt-On	34"-42"	1,040	472	6.5"	8.1"	9.4"
3,500	1,590	Non-Sideshifting Push/Pull	15" x 48"	35E-PPB-Q004	II Q.D.	34"-42"	1,040	472	6.5"	8.1"	9.4"
3,500	1,590	Hyd. Adj. Platens & SS	18" x 48"	35E-PHS-A001	II Bolt-On	40"-48"	1,115	506	6.5"	8.7"	8.8"
3,500	1,590	Hyd. Adj. Platens & SS	18" x 48"	35E-PHS-Q002	II Q.D.	40"-48"	1,115	506	6.5"	8.7"	8.8"
3,500	1,590	Hyd. Adj. Platens & SS	15" x 48"	35E-PHS-A003	II Bolt-On	34"-42"	1,065	484	6.5"	8.0"	9.3"
3,500	1,590	Hyd. Adj. Platens & SS	15" x 48"	35E-PHS-Q004	II Q.D.	34"-42"	1,065	484	6.5"	8.0"	9.3"
3,500	1,590	Sideshifting Platens		35E-PPJ							Consult Cascade
3,500	1,590	Sideshifting Load Push	18" x 48"	35E-PLS-A001	II Bolt-On	40"-48"	1,005	456	6.5"	9.1"	8.5"
3,500	1,590	Sideshifting Load Push	18" x 48"	35E-PLS-Q002	II Q.D.	40"-48"	1,005	456	6.5"	9.1"	8.5"
3,500	1,590	Sideshifting Load Push	15" x 48"	35E-PLS-A003	II Bolt-On	34"-42"	955	434	6.5"	8.3"	9.0"
3,500	1,590	Sideshifting Load Push	15" x 48"	35E-PLS-Q004	II Q.D.	34"-42"	955	434	6.5"	8.3"	9.0"
3,500	1,590	Non-Sideshifting Load Push	18" x 48"	35E-PLB-A001	II Bolt-On	40"-48"	990	450	6.5"	9.2"	8.6"
3,500	1,590	Non-Sideshifting Load Push	18" x 48"	35E-PLB-Q002	II Q.D.	40"-48"	990	450	6.5"	9.2"	8.6"
3,500	1,590	Non-Sideshifting Load Push	15" x 48"	35E-PLB-A003	II Bolt-On	34"-42"	940	427	6.5"	8.4"	9.1"
3,500	1,590	Non-Sideshifting Load Push	15" x 48"	35E-PLB-Q004	II Q.D.	34"-42"	940	427	6.5"	8.4"	9.1"
4,500	2,045	Sideshifting Push/Pull	18" x 48"	45E-PPS-A001	II Bolt-On	40"-48"	1,135	515	6.5"	9.1"	8.5"
4,500	2,045	Sideshifting Push/Pull	18" x 48"	45E-PPS-Q002	II Q.D.	40"-48"	1,135	515	6.5"	9.1"	8.5"
4,500	2,045	Sideshifting Push/Pull	15" x 48"	45E-PPS-A003	II Bolt-On	34"-42"	1,080	490	6.5"	8.3"	9.0"
4,500	2,045	Sideshifting Push/Pull	15" x 48"	45E-PPS-Q004	II Q.D.	34"-42"	1,080	490	6.5"	8.3"	9.0"
4,500	2,045	Non-Sideshifting Push/Pull	18" x 48"	45E-PPB-A001	II Bolt-On	40"-48"	1,120	509	6.5"	9.2"	8.6"
4,500	2,045	Non-Sideshifting Push/Pull	18" x 48"	45E-PPB-Q002	II Q.D.	40"-48"	1,120	509	6.5"	9.2"	8.6"
4,500	2,045	Non-Sideshifting Push/Pull	15" x 48"	45E-PPB-A003	II Bolt-On	34"-42"	1,065	484	6.5"	8.4"	9.1"
4,500	2,045	Non-Sideshifting Push/Pull	15" x 48"	45E-PPB-Q004	II Q.D.	34"-42"	1,065	484	6.5"	8.4"	9.1"
4,500	2,045	Hyd. Adj. Platens & SS	18" x 48"	45E-PHS-A001	II Bolt-On	40"-48"	1,142	519	6.5"	9.1"	8.5"
4,500	2,045	Hyd. Adj. Platens & SS	18" x 48"	45E-PHS-Q002	II Q.D.	40"-48"	1,142	519	6.5"	9.1"	8.5"
4,500	2,045	Hyd. Adj. Platens & SS	15" x 48"	45E-PHS-A003	II Bolt-On	34"-42"	1,090	495	6.5"	8.3"	9.0"
4,500	2,045	Hyd. Adj. Platens & SS	15" x 48"	45E-PHS-Q004	II Q.D.	34"-42"	1,090	495	6.5"	8.3"	9.0"
4,500	2,045	Sideshifting Platens		45E-PPJ							Consult Cascade
4,500	2,045	Sideshifting Load Push	18" x 48"	45E-PLS-A001	II Bolt-On	40"-48"	1,035	470	6.5"	9.5"	8.2"
4,500	2,045	Sideshifting Load Push	18" x 48"	45E-PLS-Q002	II Q.D.	40"-48"	1,035	470	6.5"	9.5"	8.2"
4,500	2,045	Sideshifting Load Push	15" x 48"	45E-PLS-A003	II Bolt-On	34"-42"	980	445	6.5"	8.7"	8.8"
4,500	2,045	Sideshifting Load Push	15" x 48"	45E-PLS-Q004	II Q.D.	34"-42"	980	445	6.5"	8.7"	8.8"
4,500	2,045	Non-Sideshifting Load Push	18" x 48"	45E-PLB-A001	II Bolt-On	40"-48"	1,020	463	6.5"	9.6"	8.3"
4,500	2,045	Non-Sideshifting Load Push	18" x 48"	45E-PLB-Q002	II Q.D.	40"-48"	1,020	463	6.5"	9.6"	8.3"
4,500	2,045	Non-Sideshifting Load Push	15" x 48"	45E-PLB-A003	II Bolt-On	34"-42"	965	438	6.5"	8.8"	8.8"
4,500	2,045	Non-Sideshifting Load Push	15" x 48"	45E-PLB-Q004	II Q.D.	34"-42"	965	438	6.5"	8.8"	8.8"

Ⓜ This base unit is equipped with two solenoids and may be controlled with a single auxiliary valve on the truck. **IMPORTANT:** Solenoid voltage must match truck voltage. This unit is equipped with 12 volt solenoid. if you require a different voltage, please specify at time of order entry.

► Sideshifting Push/Pulls sideshift 4 inches either side of center.