



Selective Cushioning Unit



Strato's selective cushioning unit (SCU) reduces costly operational delays caused by line-of-road failure.

Used as a replacement for hydraulic end of car cushioning devices, the SCU reduces hose separation and knuckle failure that can lead to train stoppages.

The SCU performs effectively for both train action and yard impact, thus protecting cargo and railcar from damage.

- ▶ **Flexible design can be customized to virtually any car type and cushioning needs.**
- ▶ **Highly engineered elastomer energy absorbing elements with significant hysteresis.**
- ▶ **All mechanical design - no hydraulics.**

Benefits

OF STRATO'S SELECTIVE CUSHIONING UNIT

Improved Train Handling

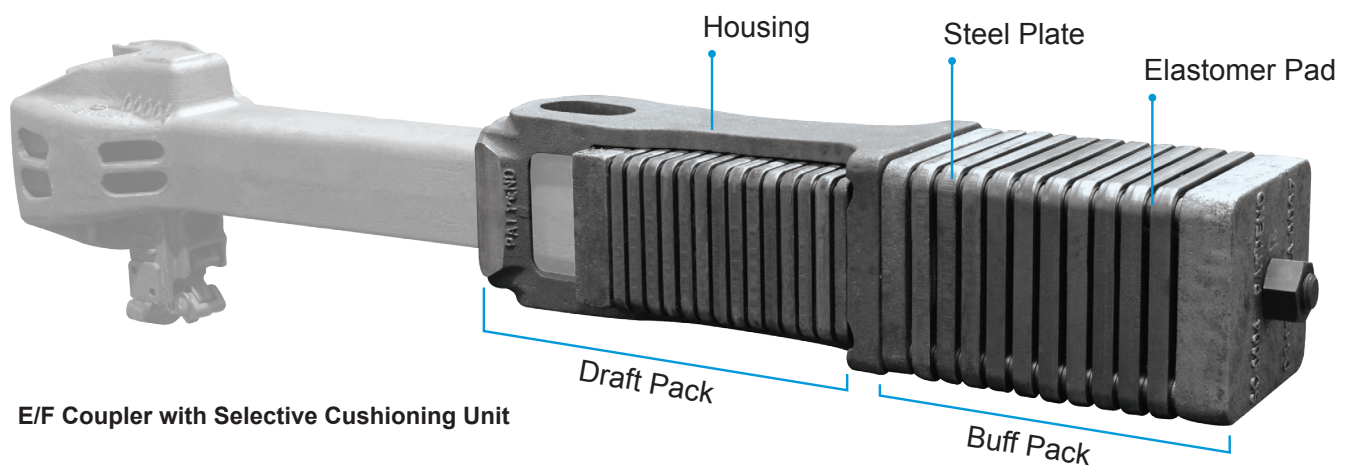
- Less overall movement
- Gradual transfer of train energy reduces slack action during force ramp-up
- Eliminates draft "snap" common with hydraulic cushioning
- Reduces hose separation and knuckle failure
- Neutral seeking

Minimal Retrofit Cost

- Adaptable length for short and long pockets
- Available for EOCC Pocket with and without mid lugs

Lower Life-Cycle Cost

- Two-piece unit
- Solid-state longevity
- Lasts three times longer than hydraulic EOCC unit without maintenance
- Reduced out-of-service life common with hydraulic cushioning maintenance requirements



E/F Coupler with Selective Cushioning Unit

Conditional Approval by the AAR Equipment Engineering Committee in Nov. 2018

Draft and Buff Pack available for EOCC

Short and Long Pocket with and without Lugs

DRAFT PACK

EOCC POCKET
without MID LUGS
Standard Width (SW)

EOCC POCKET
with MID LUGS
Narrow Width³ (NW)

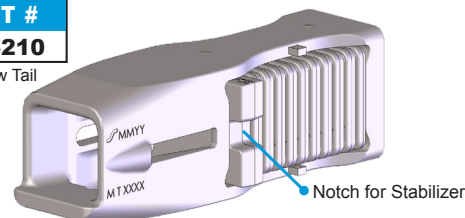
3.25"
Draft
travel
from
neutral
position

"E"
Housing

N/A

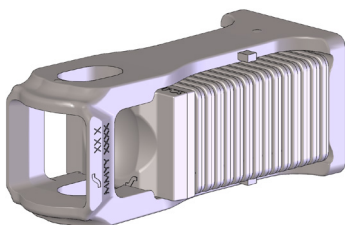
PART #
SC-5210

Narrow Tail



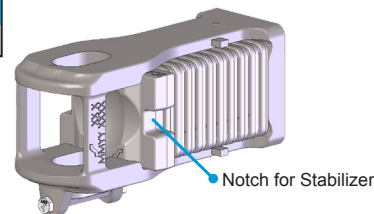
"F"
Housing

PART #
SC-1014



PART #
SC-3210

Narrow Tail



BUFF PACK

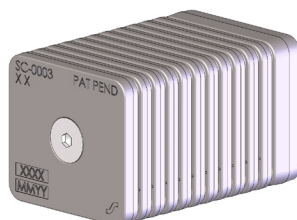
EOCC POCKET
without MID LUGS
(SW)

EOCC POCKET
with MID LUGS
(NW)

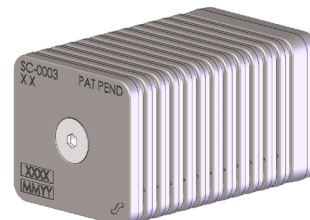
7.00"
Buff
travel¹

38.75"
POCKET
(short)

PART #
SC-2011



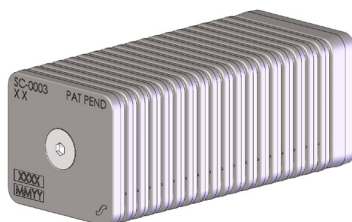
PART #
SC-2012



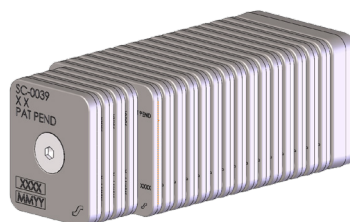
9.50"
Buff
travel²

48.75"
POCKET
(long)

PART #
SC-2018



PART #
SC-4019



¹ Draft and buff pack combined total travel 10.25".

² Draft and buff pack combined total travel 12.75".

³ NW - Tail of Housing is narrower to accommodate existing intermediate lugs in the draft



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