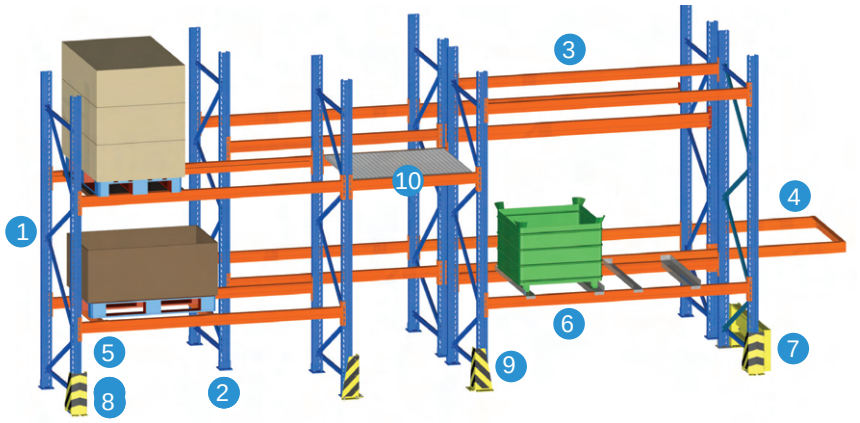
PAL RACK®

stow

The high quality pallet storage systems for goods of all sizes and weights.

CONVENTIONAL PALLET RACKING

The Stow Pal Rack® system consists of a full range of basic components and accessories WR IXO OO DOO RI \RXU UHTXLUHPHQWV 7KH V\VWHP LV GHV RI JRRGV RI DOO VL]HV DQG ZHLJKWV $OO FRPSRQHQWV KD VSHFLDOLVHG ODERUDWRULHV WR GHWHUPLQH WKHLU PHFKDO calculate the safe load capacity of each component and ensure that they meet the VWULQJHQW UHTXLUHPHQWV RI WKH)(0 FRGH IRU SDOOHW UD



1. The frame
2. The footplate
3. The beam
   7KH SLFN GHSRVLW VWDWLR
5. The pallet support
   7KH FRQWDLQHU VXSSRUW
   7KH IUDPH SURWHFWRU
   7KH XSULJKW SURWHFWRU
   7KH FRUQHU SURWHFWRU
) DOO WKURXJK SURWHFWLRQ

THE FRAMES

7KH EROWHG IUDPHV LQ OHQJWKV RI XS WR P LQ SDLQWHG RU JDOYDQL]HG RI XSULJKWV DQG D QXPEHU RI GLDJRQDOV 7KH ZLGH UDQJH RI W\SHV RI IUD FRQVWUXFWLRQ WR EH RSWLPL]HG IRU KHLJKWV RI XS WR P DQG ED\ ORDGV

Type	Width	Depth
PNFB 12, 13	85	65
PLFB 15, 16		65
PLFB 17, 18		65
3/)%		92
3/)%		92

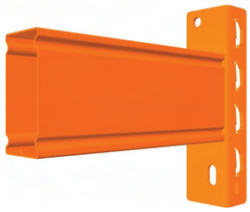
THE END CONNECTOR

7KH EROWOHVV FRQQHFWLRQ DO
HI FLHQW DVVHPEO\ 7KH VWDELO
rack is determined by the properties of the
FRQQHFWRU 7KH FRQQHFWRU LV PD
PLFUR DOOR\ VWHHO 7KH VDI
DFFLGHQWDO GLVORJH RI WKH E

THE BEAMS

6HYHUDO W\SHV RI EHDPV DUH DYDLODEOH WR
VXLW DOO SRVVLEOH FRQ JXUDWLRQV

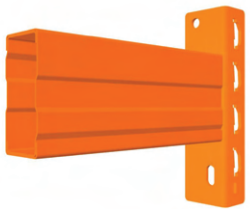
THE COLD FORMED TUBE BEAM



Type	Width	Depth
3 1 %		
3 1 %		
3 1 %		
3 1 %		
3 1 %		
3 1 %	125	
3 1 %		
3 1 %		
3 1 %		

7KLV WXEXODU EHDP VHFWLRQ LV U
ERWK WRS DQG ERWWRP DYRLGLQJ
when loading heavy pallets.

THE BOX BEAM



Type	Width	Depth
3 1 %		
3 1 %		
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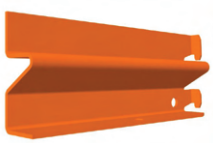
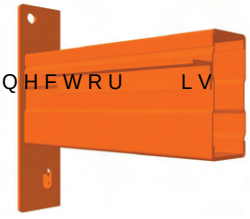
7KH EHDP LV FRPSRVHG RI WZR FRO
& SUR OHV ,W LV YHU\ UHVLVWDQW
provides great stiffness in both horizontal
DQG YHUWLFDO GLUHFWLRQV ZLWK
FDSDFLW\ RI XS WR WRQQHV SHU

THE SHELF BEAM FOR PICKING LEVELS



/,*+7 /2$'6
The light duty beam with
LQWHJUDWHG FRQQHFWRU LV
equipped with a standard edge
for shelves or panels of 28 mm
WKLFNQHVV



HEAVY LOADS
7KH ER[EHDP ZLWK VWHS GRZQ Z
/ SUR OH 7KH VKHOYHV DUH XVK ZL
of the beam.

THE PICK & DEPOSIT STATION

7KH 3LFN 'HSRVLW VWDWLRQ VHU
EHWZHHQ WKH SDOOHW KDQGOLQ
DV 91$ WUXFNV DQG WKH WUXFN
RXWERXQG 7KH 6WDWLRQ FDQ E
FHQWHULQJ GHYLFH IRU D PRUH DF
RI WKH SDOOHWV

THE ACCESSORIES

THE FOOTPLATE AND LEVELLING PLATE

$ UDQJH RI GHGLFDWHG IRRWSODWHV KDYH E,HQ GRXEOH UDFNV URZ VSDFHUV DU
GHVLJQHG IRU VSHFL F DSSOLFDWLRQV 91$EHWZHHQ HDFK SDLU RI IUDPHV W
DSSOLFDWLRQV +LJK %D\ V\VWHPV HWF 7KHVH EH XVHG IRU [LQJ WKH VSU
ORDG EHDULQJ FDSDFLW\ GHSHQGV RQ WKH SURWHFWLRQ V\VWHP
HIIHFWLYH DUHD RI WKH IRRWSODWH DV ZHOO DV
WKH W\SH RI FRQFUHWH VODE)RU VRPH DSSOLFDWLRQV VLQJOH
7KH UDFNLQJ LV DGMXVWHG E\ PHDQV RI XVHG LQ FRPELQDWLRQ ZLWK IUDPH
OHYHOOLQJ SODWHV LQ DFFRUGDQFH ZLWK F WKH HFWHG ZLWK WKH VR FDOOHG
applied regulations. After levelling, the VSDFHUV
UDFNLQJ LV DQFKRUHG

THE ROW SPACER

THE CONTAINER SUPPORT

7KH FRQWDLQHU VXSSRUW
is equipped with a side
JXLGDQFH DQG RSWLRQDOO\
ZLWK DQ LQWHJUDWHG EDFN
VWRS ,W LV UHFRPPHQGHG
for safe storage of metal
FRQWDLQHUV

THE SPRINKLER SYSTEM

7KH VSULQNOHU V\VWHP LV FRQQH
URZ VSDFHUV ZKLFK OLQN WKH W
RI WKH GRXEOH UDFN 7KH XH EH
SDOOHWV GHSHQGV RQ WKH ORFD
RIWHQ PP

THE PALLET SUPPORT BAR

The pallet support bar is
used to support pallets
of poor quality or when
SDOOHWV DUH SODFHG ZLWK WKH
PP VLGH IDFLQJ WKH
aisle. A pair of galvanised
FROG UROOHG SDOOHW VXSSRUWV
FDQ WDNH D ORDG RI XS WR
NJ

THE PICK AND DEPOSIT STATION

7KH 3LFN 'HSRVLW 6WDWLRQ LV LQVWDOOHG D
aisles.

STRENGHTENING METHODS

$GGLQJ EUDFLQJ LQ WKH GRZQ D
the racking will increase the load capacity of the
IUDPHV :KHQ WKH VLQJOH UDFN
connected to the adjacent double rack by means of
D WRS WLH ,QGXFWLYH JXLGDQFH
LV XVHG ZLWK êYHU\ QDUURZ DLVOH

1. THE BRACED RACKING

$GGLQJ EUDFLQJ LQ WKH GRZQ DLVOH GLUHFWLRQ RI WKH UDFNLQJ ZLOO LQFUHDVH WKH ORDG FDSDFLW\ RI WKH IUDPHV)RU $6 56 V\VWHPV WKH EUDFLQJ LV QHHGHG WR PHHW WKH DVVHPEO\ WROHUDQFHV

7KH YHUWLFDO EUDFLQJ FDOOHG WKH VSLQH EUDFLQJ LV ORFDWHG DW WKH EDFN RI WKH UDFN ,W ZRUNV LQ WKH [\ SODQH 7KH KRUL]RQWDO EUDFLQJ FDOOHG WKH SODQ EUDFLQJ LV ORFDWHG LQ EHWZHHQ WZR EHDPV JLYLQJ VWDELOLW\ LQ WKH [] SODQH

WRS YLHZ RI WKH EUDFHG VLQJOH
WZR HQGXFWLYH UDFN

2. TOP TIED RACKING

:KHQ WKH VLQJOH UDFN LV WRR VOHQGHU LW LV FRQQHFWHG WR WKH DGMDFHQW GRXEOH UDFN E\ PHDQV RI D WRS WLH 7KH WOP WLH LV mounted on extended front uprights.
)RU DXWRPDWHG UDFNLQJ WKH WRS WLH LV DOVR XVHG WR VXSSRUW WKH WRS UDLO

3. VERY NARROW AISLE RACKING

7KLV W\SH RI UDFNLQJ LV RSHUDWHG ZLWK êYHU\ QDUURZ DLVOHë WUXFNV 7KH\ DUH JXLGHG WKURXJK WKH DLVOH DOORZLQJ IDVWHU DQG HDVLHU RSHUDWLRQ ,QGXFWLYH JXLGDQFH RIWHQ UHSODFHV WKH UDLO JXLGDQFH 7KH GHVLJQ RI WKH JURXQG JXLGDQFH GHSHQGV YHU\ PXFK RQ WKH W\SH RI OLIW WUXFN 7KH ORZ JXLGDQFH SUR OHV DOORZ SODFLQJ SDOOHWV RQ WKH RRU WKH KLJK JXLGDQFH SUR OHV require extra bottom beams.