

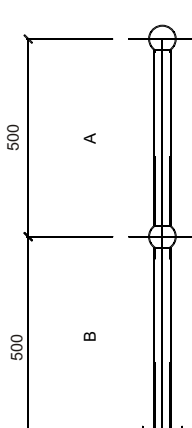
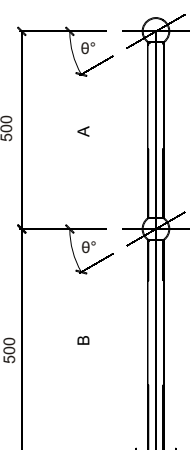
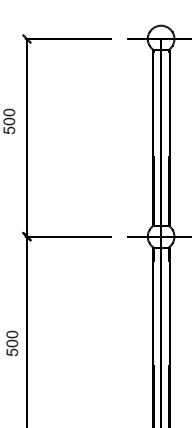
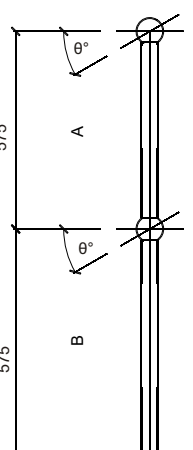
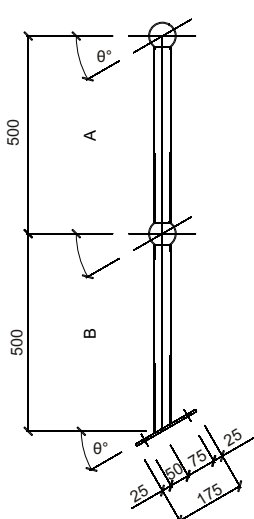
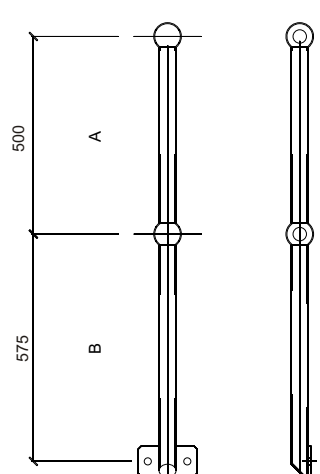
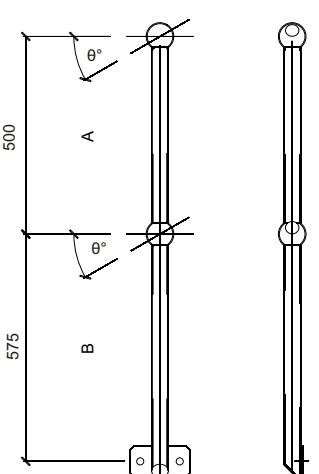
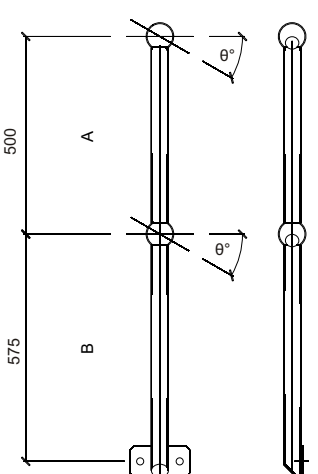
# rebRAIL

Versatile handrail/balustrade system manufactured to service the building, mechanical, industrial and commercial industries. Available in mild steel, 3CR12 stainless steel, Grades 304 and 316 stainless steel and brass.

Aesthetically pleasing for architectural applications and economical, due to ease of installation



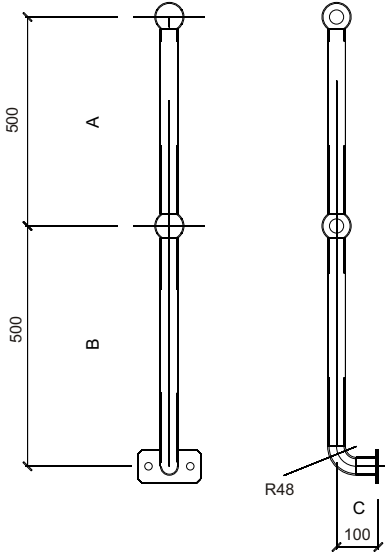
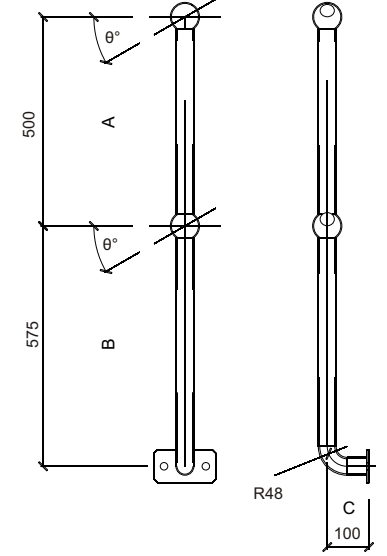
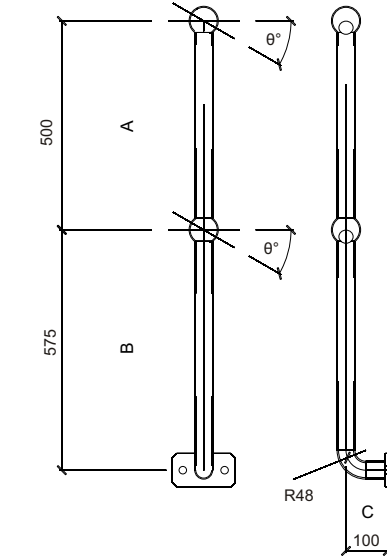
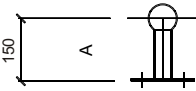
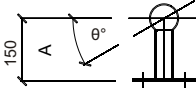
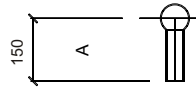
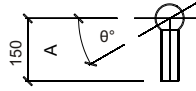
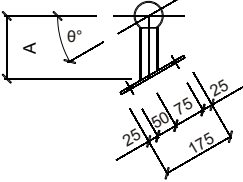
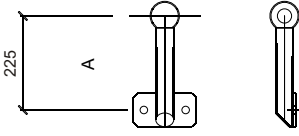
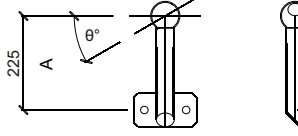
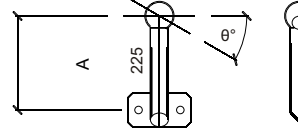
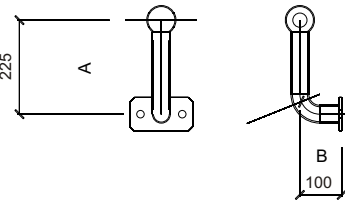
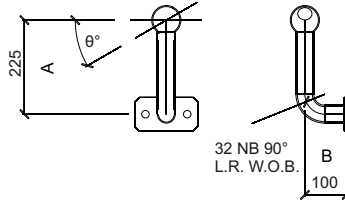
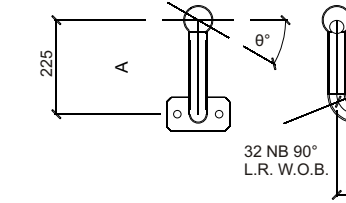
**STANCHION SPECIFICATION & NOTATION**  
**STD - DENOTES STANDARD SPL - DENOTES SPECIAL**

 <p><b>LEVEL TOP MOUNTED</b></p> <p>STD : RT 90° - 500 x 500            SPL : RT 90° - A x B</p>	 <p><b>ANGLED TOP MOUNTED</b></p> <p>STD : RT θ° - 500 x 575            SPL : RT θ° - A x B</p>	 <p><b>LEVEL PEG MOUNTED</b></p> <p>STD : RP 90° - 500 x 500            SPL : RP 90° - A x B</p>	 <p><b>ANGLED PEG MOUNTED</b></p> <p>STD : RP θ° - 500 x 575            SPL : RP θ° - A x B</p>
 <p><b>ANGLED BASE ANGLED TOP MOUNTED</b></p> <p>STD : RTA θ° - 500 x 500            SPL : RTA θ° - A x B</p>	 <p><b>LEVEL SIDE MOUNTED</b></p> <p>STD : RS 90° - 500 x 575            SPL : RS 90° - A x B</p>	 <p><b>ANGLED SIDE MOUNTED RHS GOING UP</b></p> <p>STD : RSR θ° - 500 x 575            SPL : RSR θ° - A x B</p>	 <p><b>ANGLED SIDE MOUNTED LHS GOING UP</b></p> <p>STD : RSL θ° - 500 x 575            SPL : RSL θ° - A x B</p>


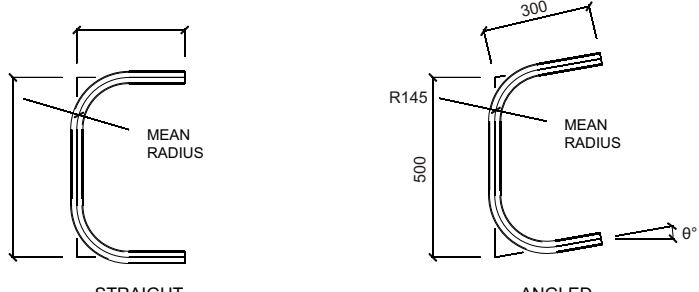
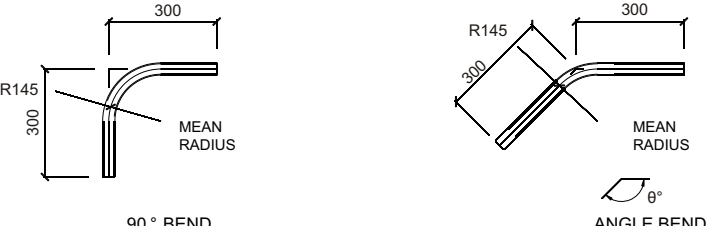
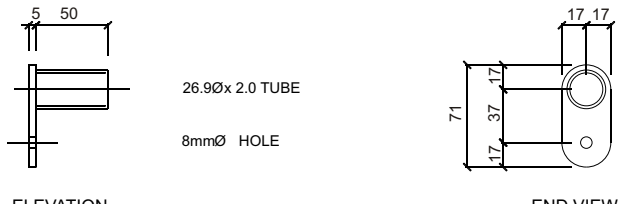
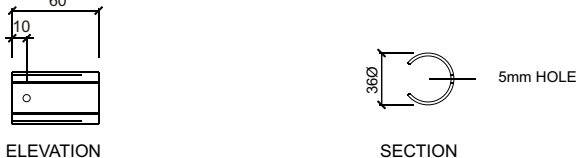



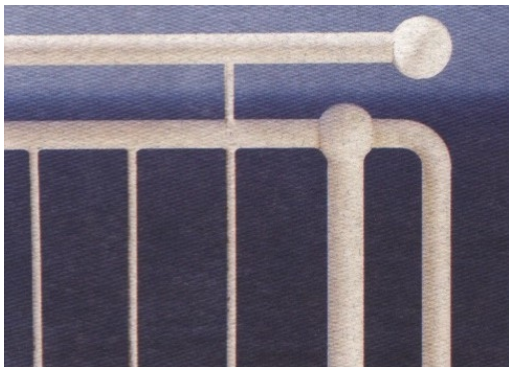
# STANCHION SPECIFICATION & NOTATION

STD - DENOTES STANDARD SPL - DENOTES SPECIAL

 <p><b>LEFT SIDE MOUNTED OFFSET</b></p> <p>STD : RSO 90° - 500 x 575 (100) SPL : RSO 90° - A x B (C)</p>	 <p><b>LEFT SIDE MOUNTED OFFSET</b></p> <p>STD : RSOR <math>\theta^\circ</math> - 500 x 575 (100) SPL : RSOR <math>\theta^\circ</math> - A x B (C)</p>	 <p><b>LEFT SIDE MOUNTED OFFSET LHS GOING UP</b></p> <p>STD : RSOL <math>\theta^\circ</math> - 500 x 575 (100) SPL : RSOL <math>\theta^\circ</math> - A x B (C)</p>	
 <p><b>SINGLE SPHERE LEVEL TOP MOUNTED</b></p> <p>STD : SBT 90° - 150 SPL : SBT 90° - A</p>	 <p><b>SINGLE SPHERE ANGLED TOP MOUNTED</b></p> <p>STD : SBT <math>\theta^\circ</math> - 150 SPL : SBT <math>\theta^\circ</math> - A</p>	 <p><b>SINGLE SPHERE LEVEL PEG MOUNTED</b></p> <p>STD : SBP 90° - 150 SPL : SBP 90° - A</p>	 <p><b>SINGLE SPHERE ANGLED PEG MOUNTED</b></p> <p>STD : SBP <math>\theta^\circ</math> - 150 SPL : SBP <math>\theta^\circ</math> - A</p>
 <p><b>SINGLE SPHERE BASE ANGLED TOP MOUNTED</b></p> <p>STD : SBTA <math>\theta^\circ</math> - 150 SPL : SBTA <math>\theta^\circ</math> - A</p>	 <p><b>SINGLE SPHERE LEVEL SIDE MOUNTED</b></p> <p>STD : SBS 90° - 150 SPL : SBS 90° - A</p>	 <p><b>SINGLE SPHERE ANGLED SIDE MOUNTED RHS GOING UP</b></p> <p>STD : SBSR <math>\theta^\circ</math> - 225 SPL : SBSR <math>\theta^\circ</math> - A</p>	 <p><b>SINGLE SPHERE ANGLED SIDE MOUNTED RHS GOING UP</b></p> <p>STD : SBSL <math>\theta^\circ</math> - 225 SPL : SBSL <math>\theta^\circ</math> - A</p>
 <p><b>SINGLE SPHERE LEVEL SIDE MOUNTED OFFSET</b></p> <p>STD : SBSO 90° - 225 (100) SPL : SBSO 90° - A (B)</p>	 <p><b>SINGLE SPHERE ANGLED SIDE MOUNTED OFFSET RHS GOING UP</b></p> <p>STD : SBSO <math>\theta^\circ</math> - 225 (100) SPL : SBSO <math>\theta^\circ</math> - A (B)</p>	 <p><b>SINGLE SPHERE ANGLED SIDE MOUNTED OFFSET LHS GOING UP</b></p> <p>STD : SBSOL <math>\theta^\circ</math> - 225 (100) SPL : SBSOL <math>\theta^\circ</math> - A (B)</p>	

DIAGRAMMATIC ILLUSTRATION OF BASIC COMPONENTS

 <p>150x80x6, 8 OR 10 PLATE. 10x10 SNIPES IN ALL CORNERS</p> <p>LEVEL BASE PLATE</p> <p>175x80x6, 8 OR 10 PLATE. 10x10 SNIPES IN ALL CORNERS</p> <p>RAKING BASE PLATE</p>	<p><b>BASEPLATES</b></p> <p>STANDARD HOLE DIAMETERS ARE AS FOLLOWS:- MILD STEEL.....18mm 3CR12, GRADE 304/316 STAINLESS STEEL, BRASS.....14mm</p>
 <p>MEAN RADIUS</p> <p>MEAN RADIUS</p> <p>STRAIGHT</p> <p>ANGLED</p>	<p><b>CLOSURES</b></p> <p>TWO STANDARD TYPES HAVING DIFFERENT MEAN RADII ARE MANUFACTURED: LONG RADIUS - MEAN RADIUS = 145mm SHORT RADIUS - MEAN RADIUS = 38mm THE LEG LENGTHS MAY BE ALTERED TO SUIT REQUIREMENTS DIAGRAM ILLUSTRATES STANDARD CLOSURES</p>
 <p>MEAN RADIUS</p> <p>MEAN RADIUS</p> <p>90° BEND</p> <p>ANGLE BEND</p>	<p><b>BENDS</b></p> <p>TWO STANDARD TYPES HAVING DIFFERENT MEAN RADII ARE MANUFACTURED: LONG RADIUS - MEAN RADIUS = 145mm SHORT RADIUS - MEAN RADIUS = 38mm THE LEG LENGTHS MAY BE ALTERED TO SUIT REQUIREMENTS DIAGRAM ILLUSTRATES STANDARD BENDS</p>
 <p>26.9Øx 2.0 TUBE</p> <p>8mmØ HOLE</p> <p>ELEVATION</p> <p>END VIEW</p>	<p><b>WALL BRACKETS</b></p> <p>DIAGRAM ILLUSTRATES STANDARD WALL BRACKET FOR FITTING INTO END OF HANDRAIL TUBE. SPECIAL ANGLED BRACKETS OR DIFFERING SHAPES AND SIZES CAN BE FABRICATED TO REQUIREMENTS</p>
 <p>ELEVATION</p> <p>SECTION</p> <p>5mm HOLE</p>	<p><b>SLIP JOINTS</b></p> <p>USED FOR CONNECTING BUTT-JOINTS IN HANDRAIL TUBE, OR CONNECTIONS TO BENDS AND CLOSURES. ASSISTS IN ALIGNMENT OF TUBING</p>
 <p>36Ø x 2.5 TUBE</p> <p>PEG ONLY</p> <p>PEG WITH BASEPLATE</p>	<p><b>PEG MOUNTING</b></p> <p>TWO STANDARD TYPES ARE OFFERED: PEG ONLY - FOR GROUTING INTO MORTICES, OR WELDING ONTO SUPPORT PEG WITH BASEPLATE - FOR BOLTING ONTO SUPPORTING STRUCTURE</p>





## BASIC STANDARD COMPONENT SPECIFICATION

COMPONENT DESCRIPTION	MILD STEEL PRIMED/GALV	3CR12 STAINLESS	GRADE 304/316 STAINLESS	BRASS
BASE PLATE	150X80X10	150X80X8	150X80X8	150X80X6
STANCHION	42.8 O/D X 2.5	41.3 O/D X 1.5	41.3 O/D X 1.5	31.8 O/D X 1.5
SHERE	70 DIAMETER	70 DIAMETER	70 DIAMETER	70 DIAMETER
HANDRAIL TUBE	34.1 O/D X 2.0	31.8 O/D X 1.5	31.8 O/D X 1.5	31.4 O/D X 1.5

## CHOICE OF MATERIALS

### MILD STEEL:

- Untreated for corrosion protection by client if required
- Primed high quality shop primer for overcoating with paint
- Hot dip galvanized Dipped to SABS 763 specification

### 3CR12 STAINLESS STEEL:

- Pickled and passivated after fabrication dressing

### GRADE 304/316 STAINLESS STEEL:

- Satin polished To even 180 grit grained finish
- Highly polished To mirror type chromed effect finish

### BRASS:

- Highly polished mirror type finish

## METHOD OF FIXING

Stanchions should be spaced at 1500mm maximum centers

Brickwork or Masonry Suitable expanding type anchor bolts

Steel or Timber Suitable through bolt fasteners

## VERSATILITY

Baseplates - Size and shape can be purpose made to suit any particular application

Stanchion - Diameter, wall thickness and length can be altered to accommodate various applications

Spheres - Overall diameter may not be changed, but hole diameter and position may be varied to suit requirements

Handrail Tube- Overall diameter may be altered to accommodate various applications

## AVAILABILITY

All components are wholly manufactured in our workshop in New Germany. As a result, special items can be fabricated at short notice. All standard components are available ex stock.

## PHOTOGRAPHIC ILLUSTRATION OF VARIOUS MATERIALS/FINISHES



MILD STEEL  
PRIMED

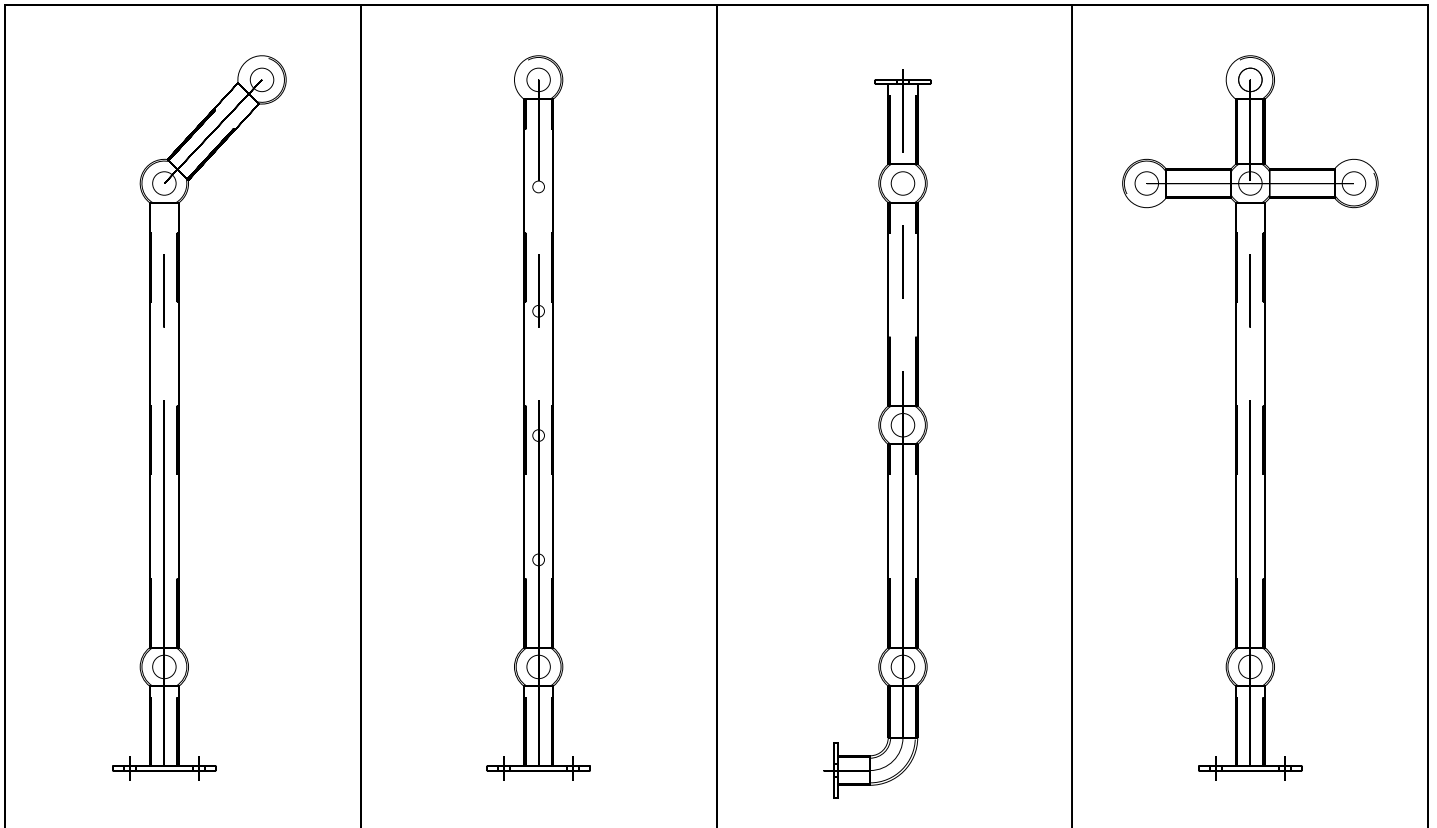
MILD STEEL  
GALVANISED

3 CR 12

GRADE 304/316  
STAINLESS STEEL

BRASS

## EXAMPLES OF SPECIAL STANCHIONS



### SAMPLE SPECIFICATION/METHOD OF MEASUREMENT

The following in "Rebrail" handrail/balustrade system all provided with a hot dip galvanized finish, as manufactured by Rebcon Engineering (Pty) Ltd

#### Item Description

Item Description	Unit
34mm diameter handrail tube .....	M
Extra on last for 90° bend .....	no
Extra on last for 160° bend .....	no
Extra on last for 500 straight closure .....	no
Extra on last for 500 angled closure .....	no
RT90° standard stanchion 1000 long .....	no
RT20° special stanchion 1080 long .....	no
Standard wall bracket .....	no
6mm Expansion bolt for fixing wall bracket ....	No
16mm Expansion bolt for fixing stanchion .....	No

#### •AREAS OF APPLICATION

- Safety/regulation rails
- Bar Foot rails
- Queue barrier rails
- Stair balustrading
- Wall mounted handrails
- Architectural balustrading with composite infill materials perforated plate, expanded metal, stainless steel wire rope, solid sections
- Hanging rails
- Node connections for designer shelving



Rebrail is a manufacturing division of Rebcon Engineering (Pty) Ltd which was established in 1978 and has specialised in the use of tubular handrail/balustrade systems for the building industry.