

Access Products Division



WEBFORGE

Webforge Contents

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- Lump Sum and Rate Contracts
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- Large Projects
- Computerised Job Tracking

Products:

- Bar Grating
- Handrailing
- Expanded Metal
- Balustrades
- Drainage Grates and Cast Covers
- Sunscreens

FLOORING

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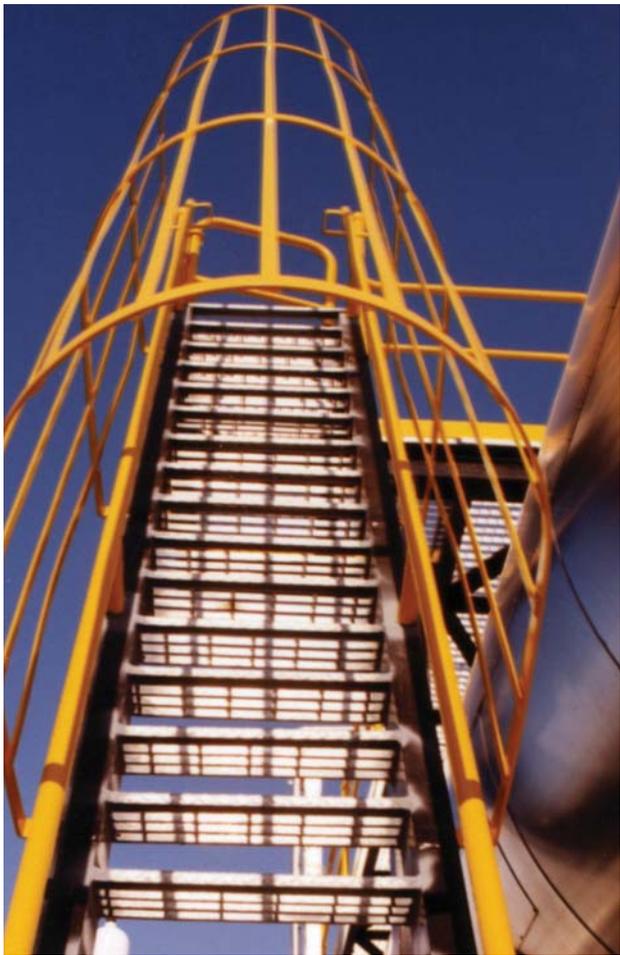
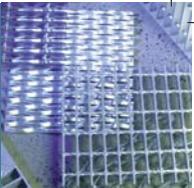
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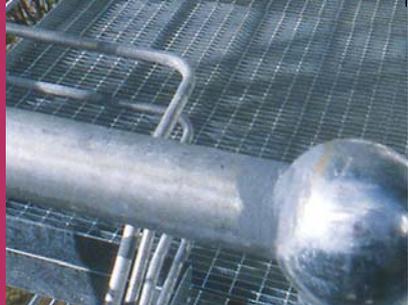
Our Products



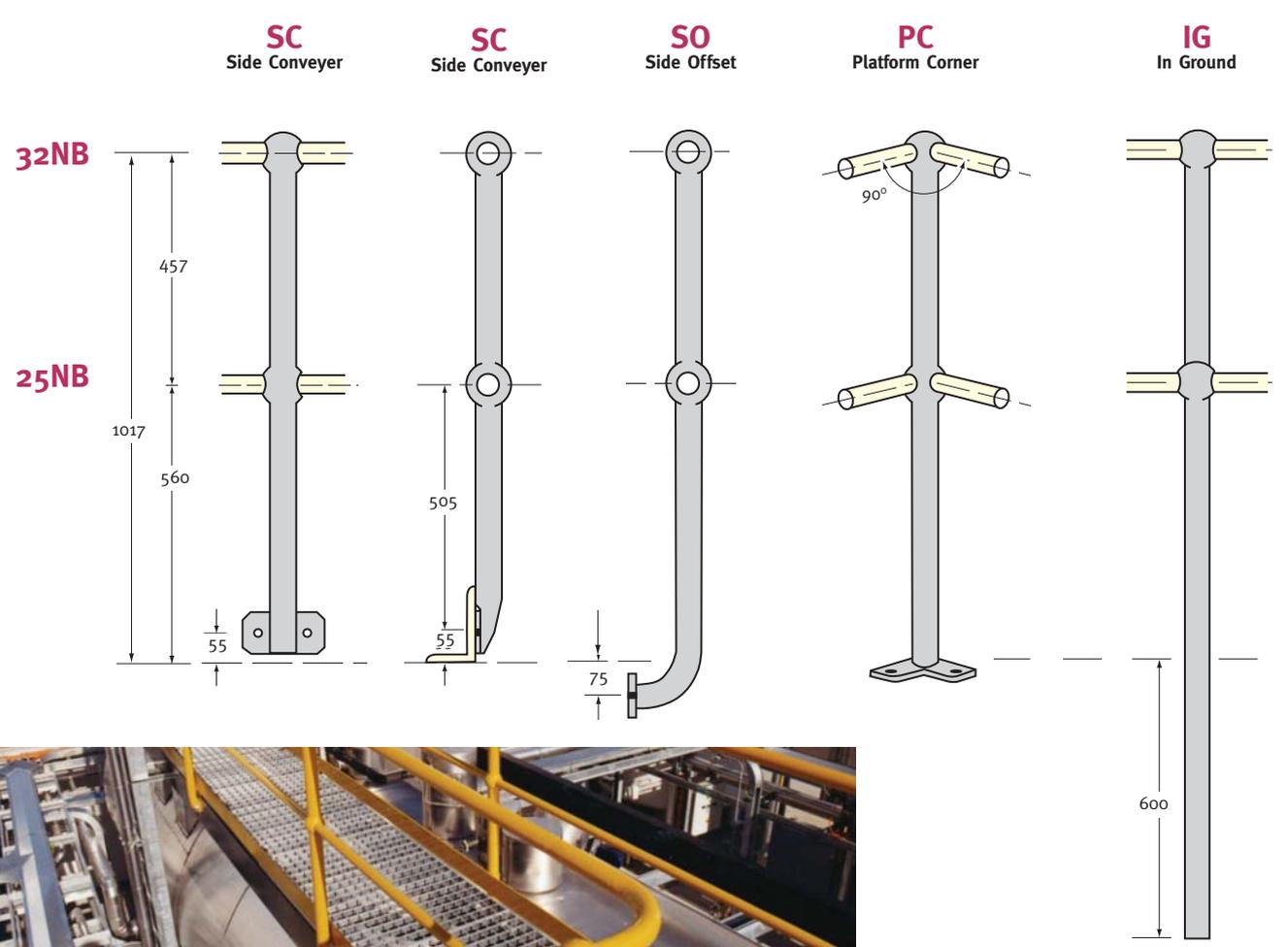
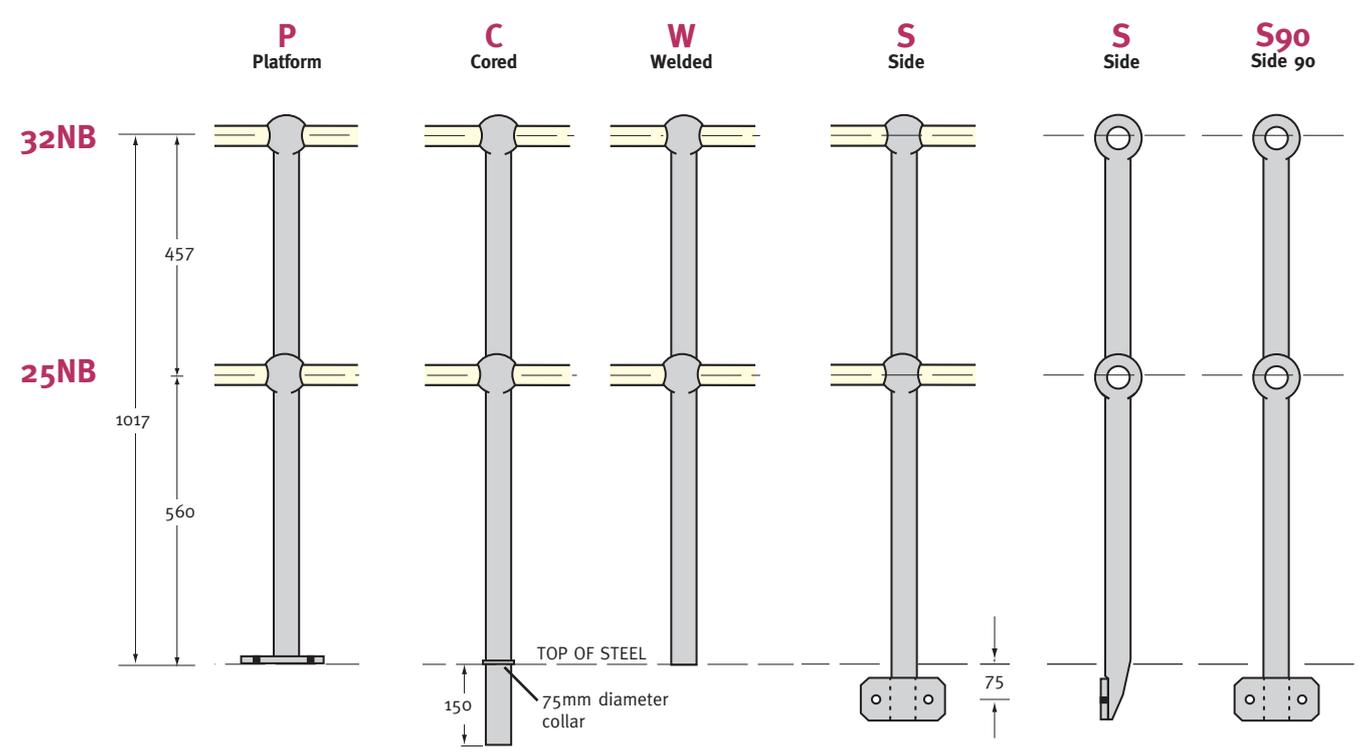
GALLERY



WEBFORGE Handrails



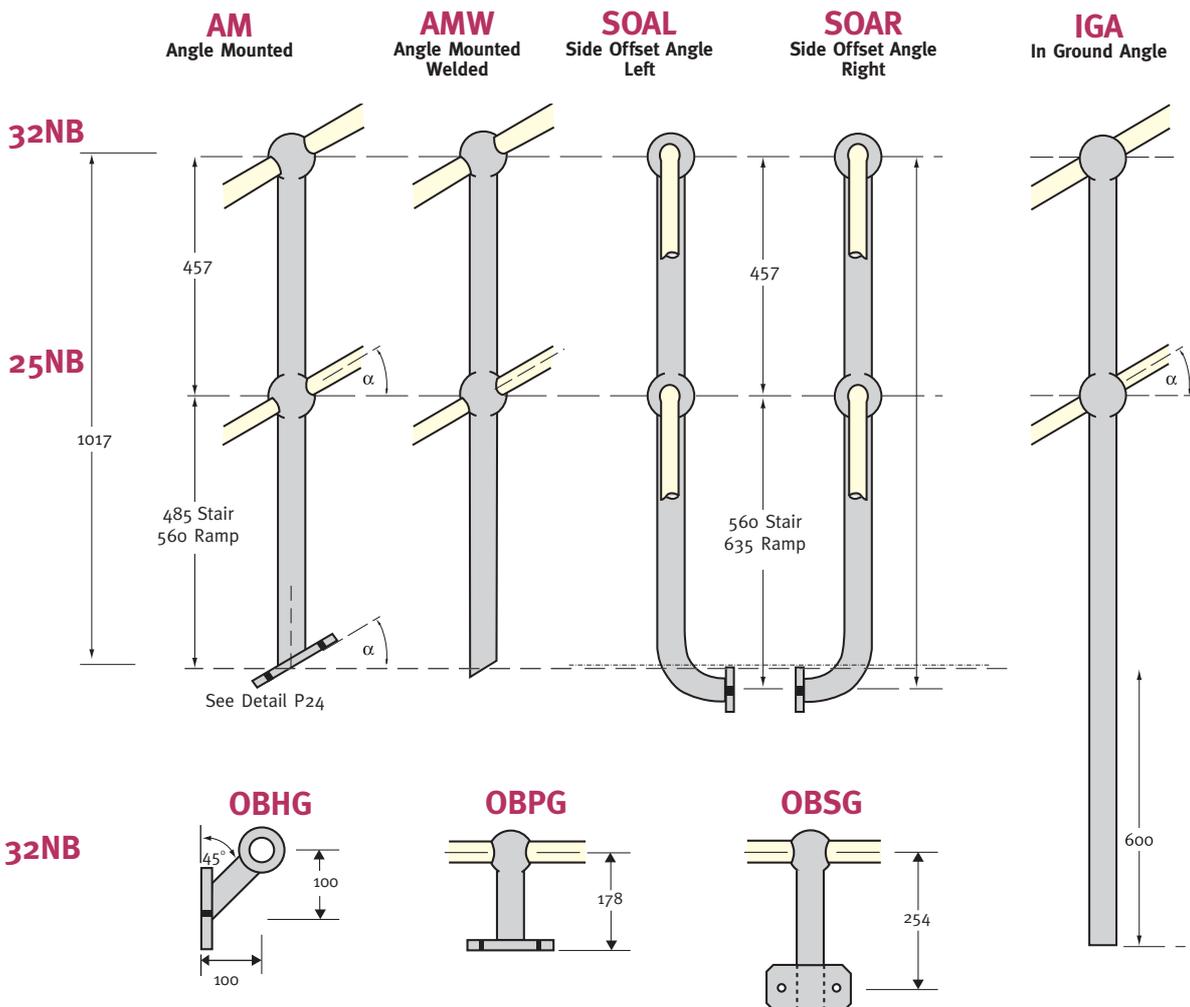
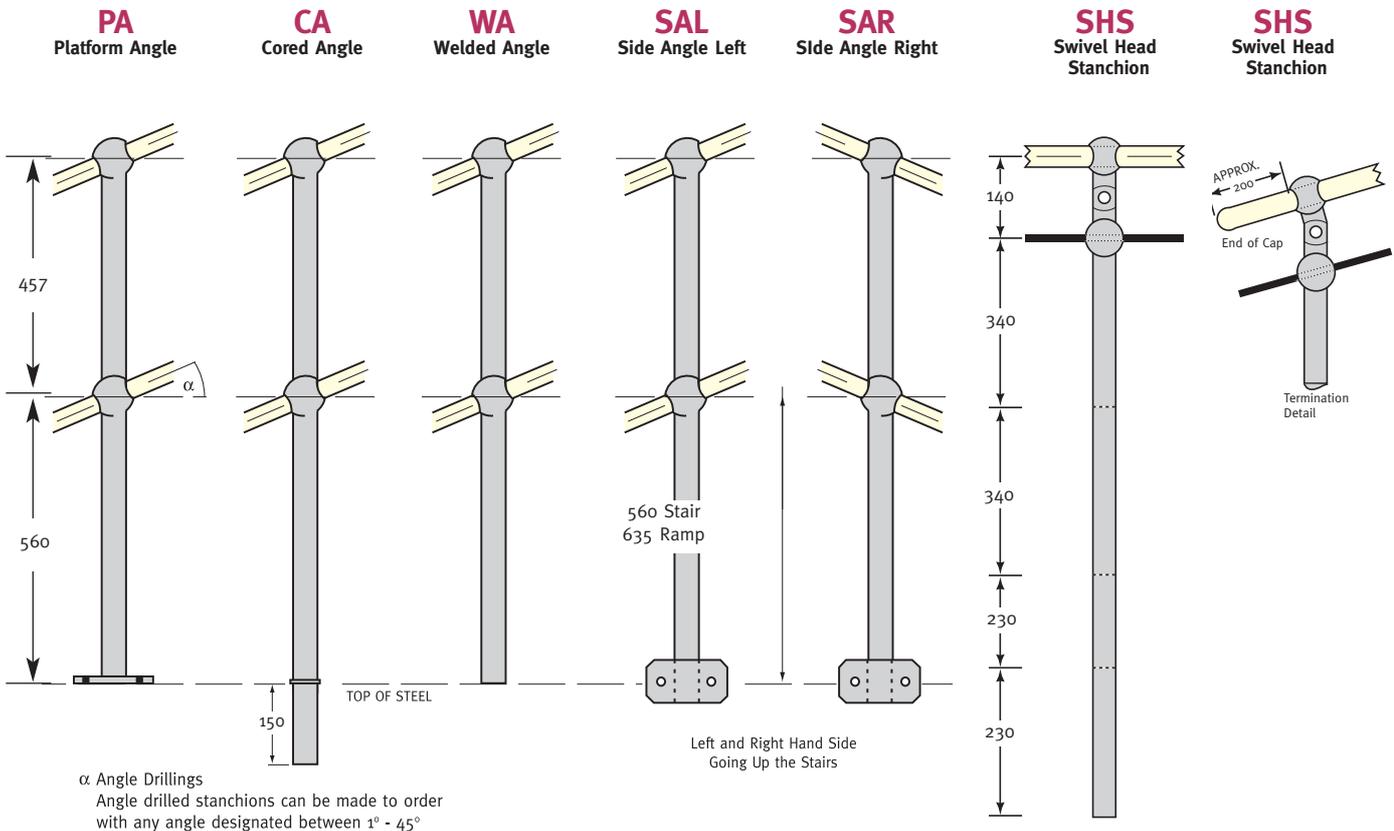
STANCHIONS



Finding The Right Stanchion



STANCHIONS

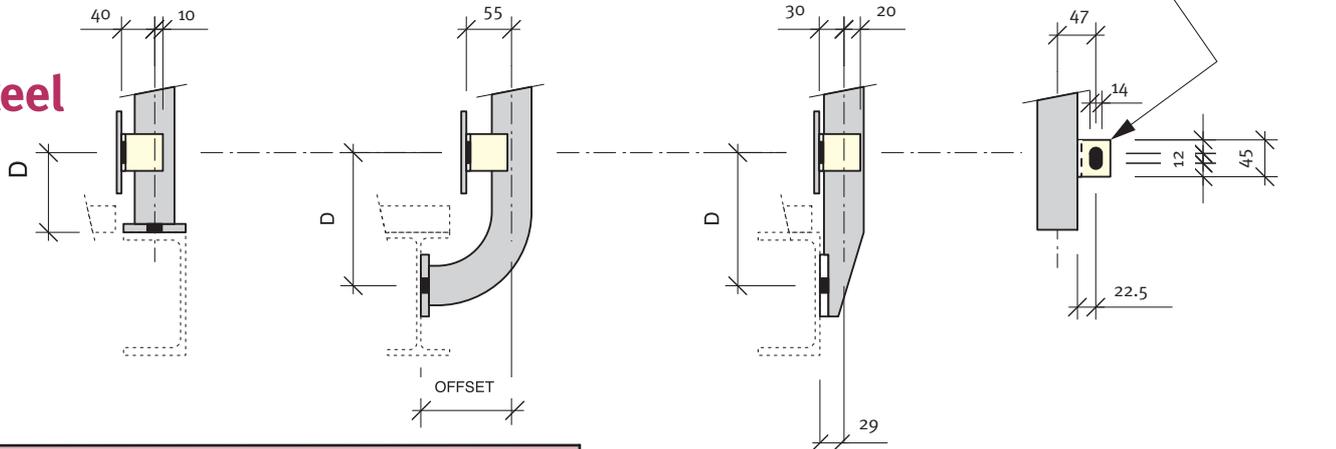


Options

Kickplate Mounting Brackets

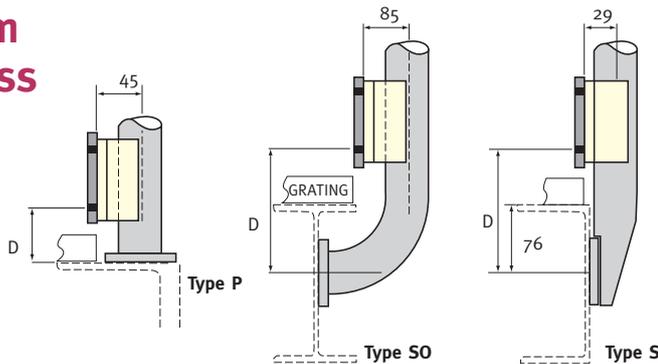
Slot allows 7mm up/down adjustment to kickplate. All kickplate brackets are mounted right side when viewed from walking surface.

Steel



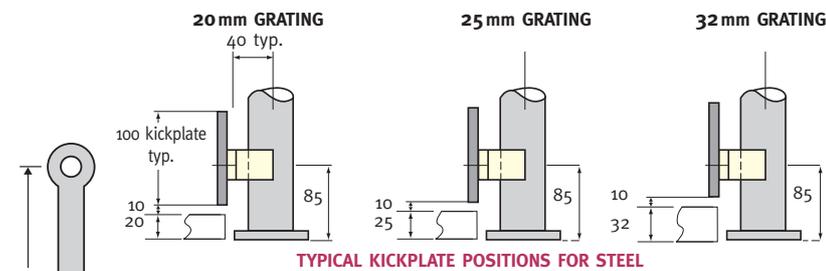
DIMENSION 'D' FOR VARIOUS STANCHION TYPES				
Grating Height mm	Nil	20, 25, 32	40, 45, 50	60, 65
P,W,C	D=60	D=85	D=100	D=120
S & SO	D=135	D=160	D=180	D=195

Aluminium & Stainless Steel

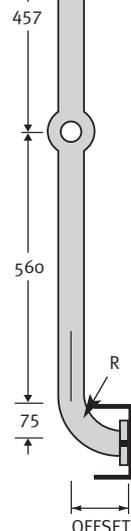


DIMENSION 'D' FOR VARIOUS STANCHION TYPES				
Grating Height mm	Nil	20, 25, 32	40, 45, 50	60, 65
P,W,C	D=40	D=65	D=80	D=100
S & SO	D=115	D=140	D=160	D=175

Slot allows 7mm up/down adjustment to kickplate. All kickplate brackets are mounted right side when viewed from walking surface.



TYPICAL KICKPLATE POSITIONS FOR STEEL



SIZE	'SO' TYPE OFFSETS		UNIVERSAL BEAMS		
	CHANNELS STEEL OFFSET	ALUM. OFFSET	SECTION	STEEL OFFSET	ALUM. OFFSET
150 x 75	110	150	200UB	110	150
180 x 75	110	150	250UB	110	150
200 x 75	110	150	310UB	130	150
230 x 75	110	150	360UB	130	150
250 x 90	130	150	410UB	130	150
300 x 90	130	150	460UB	130	165
380 x 100	130	165	530UB	140	165

Aluminium Stanchion centres should not exceed 1800mm.
Steel SO Stanchion offset should not exceed 250mm if compliance with AS 1657 is required.

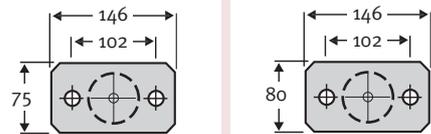
RADIUS R
Steel & Stainless Steel 90mm
Aluminium 140mm

Base Plates

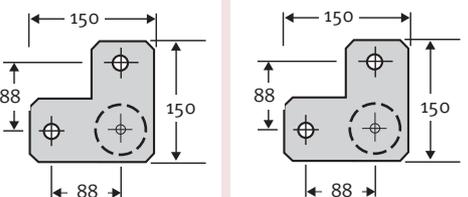
Steel

Aluminium

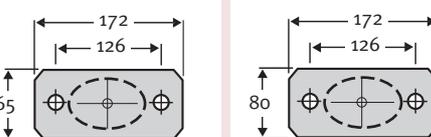
STANDARD & ANGLE MOUNTED From 0°-14°



CORNER

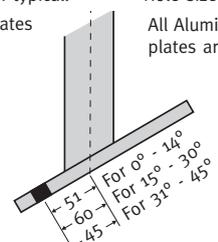


ANGLE MOUNTED ONLY From 15°-45°



Hole size 17.5 mm typical.
All steel base plates are 10mm thick.

Hole size 17.5 mm typical.
All Aluminium base plates are 12mm thick.



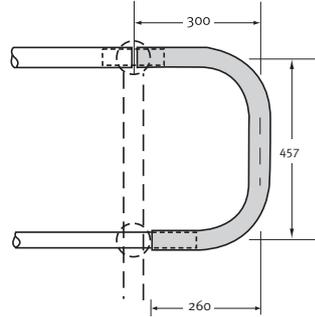
Bends/Closures/Gates



Horizontal Closure Bends (HCB)

Standard Pipe:

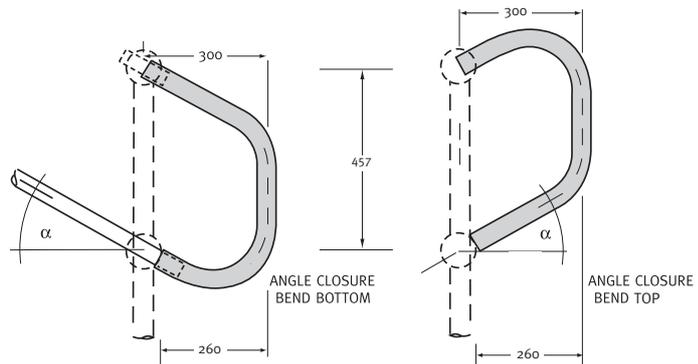
32NB 3.2mm WT
Available in other pipe sizes. See specifications on page 25.



Angle Closure Bends (ACB)

Standard Pipe:

32NB 3.2mm WT
Available in other pipe sizes. See specifications on page 25.
Available with a value from 1° - 45°



Rail Bends (RB)

Standard Pipe:

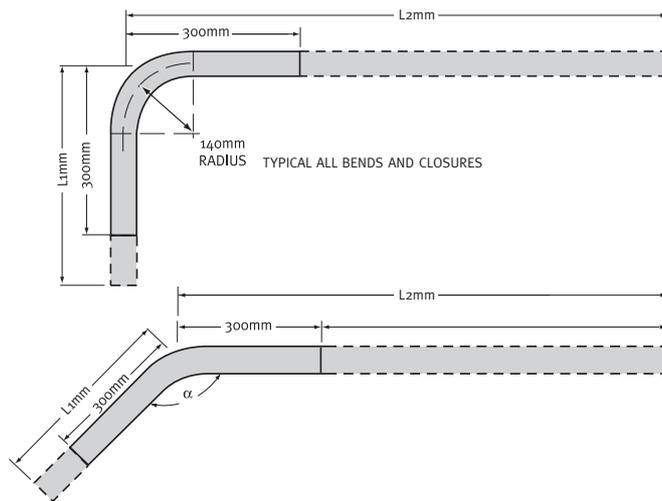
Handrail 32NB 3.2mm WT
Knee rail 25NB 3.2mm WT

Standard Leg:

300mm x 300mm

Non-Standard Leg:

L1 + L2 ≤ 6500



Slip Joints

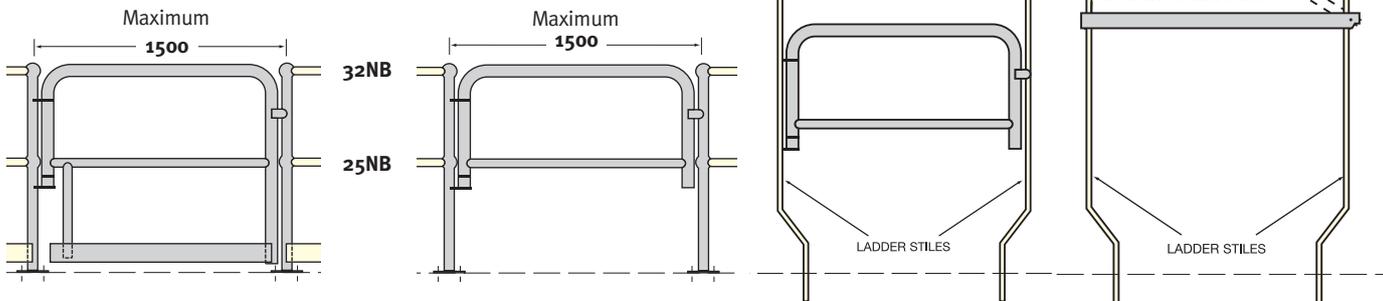
Steel

SJ20G - Suits 20NB rail
SJ25G - Suits 25NB rail
SJ32G - Suits 32NB rail
SJ40G - Suits 40NB rail

Aluminium

SJ40A - suits 40 OD rail
SJ46A - suits 46 OD rail

Gates/Drop Barriers



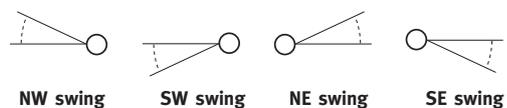
Gate/Drop Barrier Types

- Spring Loaded
- Self Closing
- Gravity Drop
- Padlock Option
- Combine with any stanchion
- Bracket variations for welding to columns
- Double Gates
- Locking Devices
- Kickplate Optional

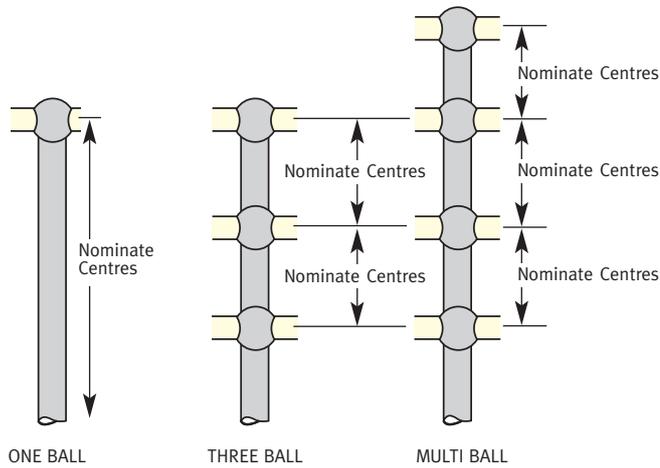
• Note: Compliance with AS1657 requires minimum width of 600mm.

Important

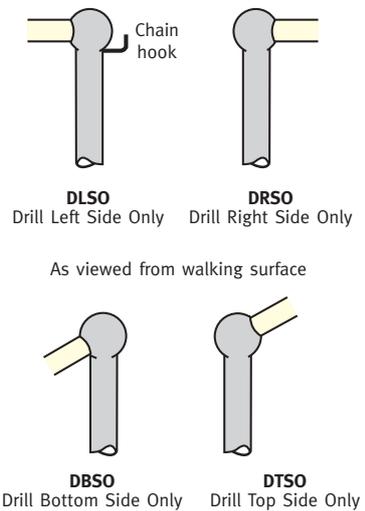
When ordering self closing gates, it is **essential** to nominate the swing direction, and type of Stanchion.



Options Ordering



Nominate Drillings & Centres



MATERIAL

Mild Steel
Stainless Steel
Aluminium

TREATMENT

Untreated Black- Steel
Galvanised - Steel
Electropolished - Stainless Steel
Powder Coated - Steel, Stainless Steel or Aluminium
Painted - Steel, Stainless Steel or Aluminium
Mill - Stainless Steel or Aluminium
Anodised - Aluminium

HOW TO ORDER STANCHIONS

1. Choose a type from page 22-23.
2. Choose a material type.
3. Choose a treatment.
4. Nominate a kickplate bracket height. See table page 24.
5. Nominate an offset if SO type stanchion.
6. Nominate an angle if an angle type stanchion.
7. Nominate the required options.
8. Enclose a sketch if needed to explain specials.

Examples:

PG Platform Galvanised
WB..... Welded Black
PA Platform Aluminium
SOG 110..... SO Galvanised 110 offset
SOGK 110 R140.. SO Galvanised 110 offset RH Kickplate D=140
SOGK 125 L160.. SO Galvanised 125 offset LH Kickplate D=160
SOHG 110 SO Heavy Duty Galvanised 110 offset
AMB 45 AM Black 45°
SG Special..... S Galvanised Drill 32/32
CG Special..... C Galvanised. Centres 450/450/550.
Drill 32/25/25. See Sketch Supplied.

HOW TO ORDER CLOSURES AND BENDS

1. Choose a type from page 25.
2. Choose a material.
3. Choose a treatment.
4. Choose a leg length if not standard.
5. Choose a pipe size.
6. Choose an angle if an ACB or RB.

Examples:

ACB 32 G 45..... Angle Closure 32NB Galvanised 45°
ACB 25 G 45..... Angle Closure 25NB Galvanised 45°
HCB 32 B Horizontal Closure 32NB Black
HCB 25 B Horizontal Closure 25NB Black
RB 25 G 90..... Rail Bend 25NB Galvanised 90°
RB 32H B 135.... Rail Bend 32NB Heavy Duty Black 135°

HOW TO ORDER GATES/DROP BARRIERS

1. Choose a type from page 25.
2. Choose the stanchion type from page 22-23.
3. Choose material.
4. Choose a treatment.
5. Nominate a kickplate if required.
6. Nominate the swing direction.
7. Nominate the centre to centre dimension of the stanchions or advise if other.
8. Photocopy the sketch on page 25 and fill in the details if needed.

Examples:

Gate with two PG stanchions. Galvanised No Kickplate. 1250 centres. NW swing.
Gate without stanchions. Galvanised. With Kickplate. 1000 centre to centre of 32 NB pipe. SW swing.
Drop bar. Painted yellow. 700 inside styles.

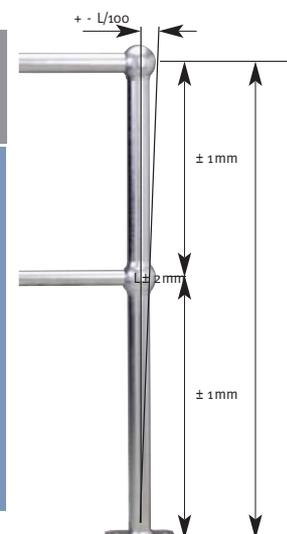
Specifications



MONOWILLS HANDRAILS

	Type	Standard			Jumbo
	Material	Mild Steel	Stainless Steel	Aluminium	Steel
MATERIAL SPECIFICATIONS	Grade	250	316L	6063-T6	250
	STANCHION - STANDARD NB OD Wall Thickness	40 48.3mm 3.2mm	48.26mm 2.77 sched 10	50mm 4.0mm	65 76mm 3.6mm
	STANCHION - HEAVY NB OD Wall Thickness	40 48.3mm 4.0mm	48.26mm 3.68mm sched 40		75 76 4.5mm
	BALL OD	76mm	76mm	76mm	125mm
	RAILS - STANDARD - HAND NB OD Wall Thickness Weight	32 42.4mm 3.2mm 3.17kg/m	42.16mm 2.77mm 2.73kg/m	46mm 3.5mm 1.27kg/m	65 76mm 3.6mm 6.57kg/m
	RAILS - STANDARD - KNEE NB OD Wall Thickness Weight	25 33.7mm 3.2mm 2.46kg/m	33.40mm 2.77mm 2.11kg/m	38mm 2mm 0.61kg/m	65 76mm 3.6mm 6.57kg/m
	RAILS - SPECIALS - HAND & KNEE NB OD Wall Thickness	25 to 40 33.7mm to 48.3mm 3.2mm to 4.0mm			
	PIPE OD = < 50mm OD > 50mm & = < 75mm Thickness Variation	+/-0.2mm - +/-10%	+/-0.2mm - +/-10%	+/-0.2mm - +/-10%	- +/-0.25mm +/-10%
MANUFACTURING TOLERANCES	BASE PLATES SPHERES DRILLING SPHERES HOLE ANGLE	+/-1mm 2-4mm oversize +/-1° any horizontal axis 0.5° in slope			
STANCHION SPACINGS	SPACING AS1657 AS1657 App.B Stanchion P Stanchion S Stanchion W Stanchion SO Stanchion C	2000mm 3000mm 2700mm 3000mm 3000mm 3000mm	2000mm 3000mm 2700mm 3000mm 3000mm 3000mm	1800mm 1800mm 1800mm - 1600mm 1800mm	- 4000 - - - -

	Type	Steel		Aluminium
		3.2mm WT	4.0mm WT	
MASS	PC, C, CA, SA, SC	4.85kg	5.30kg	2.10kg
	P, PA	4.75kg	5.20kg	2.05kg
	W, WA, AMW	3.85kg	4.40kg	1.66kg
	S	5.00kg	5.60kg	2.16kg
	SO	5.35kg	5.85kg	2.52kg
	SOAL/SOAR	5.30kg	5.60kg	2.29kg
	AM	4.45kg	5.00kg	1.92kg
	OBPG	1.60kg	1.90kg	0.69kg
	OBSG	2.0kg	2.30kg	0.86kg
	OBHG	1.30kg	1.60kg	0.69kg
	IG, IGA	6.0kg	7.0kg	2.64kg





WEBFORGE

Through its network of operations throughout Australia, New Zealand and Asia, Webforge has the resources and experience to service a complete range of projects whatever the complexity or size.

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