



**DOOGOOD™**

Australia

# Handrail Fittings

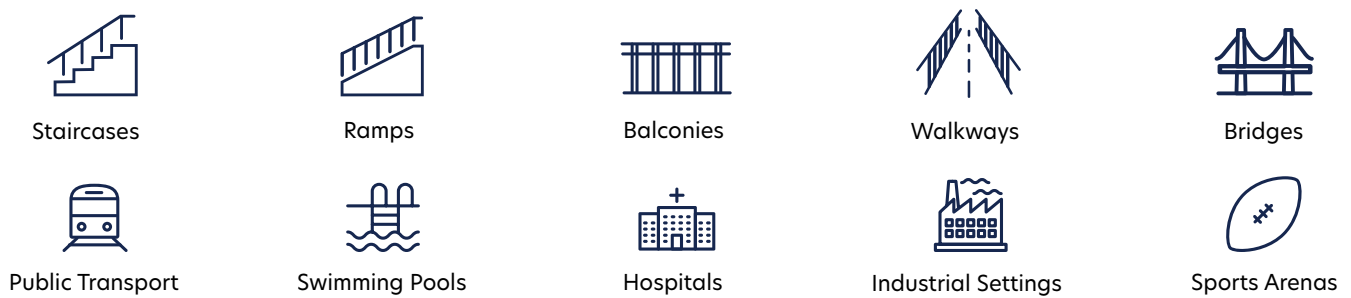
MODULAR FITTINGS CATALOGUE

# Doogood Handrail Fittings

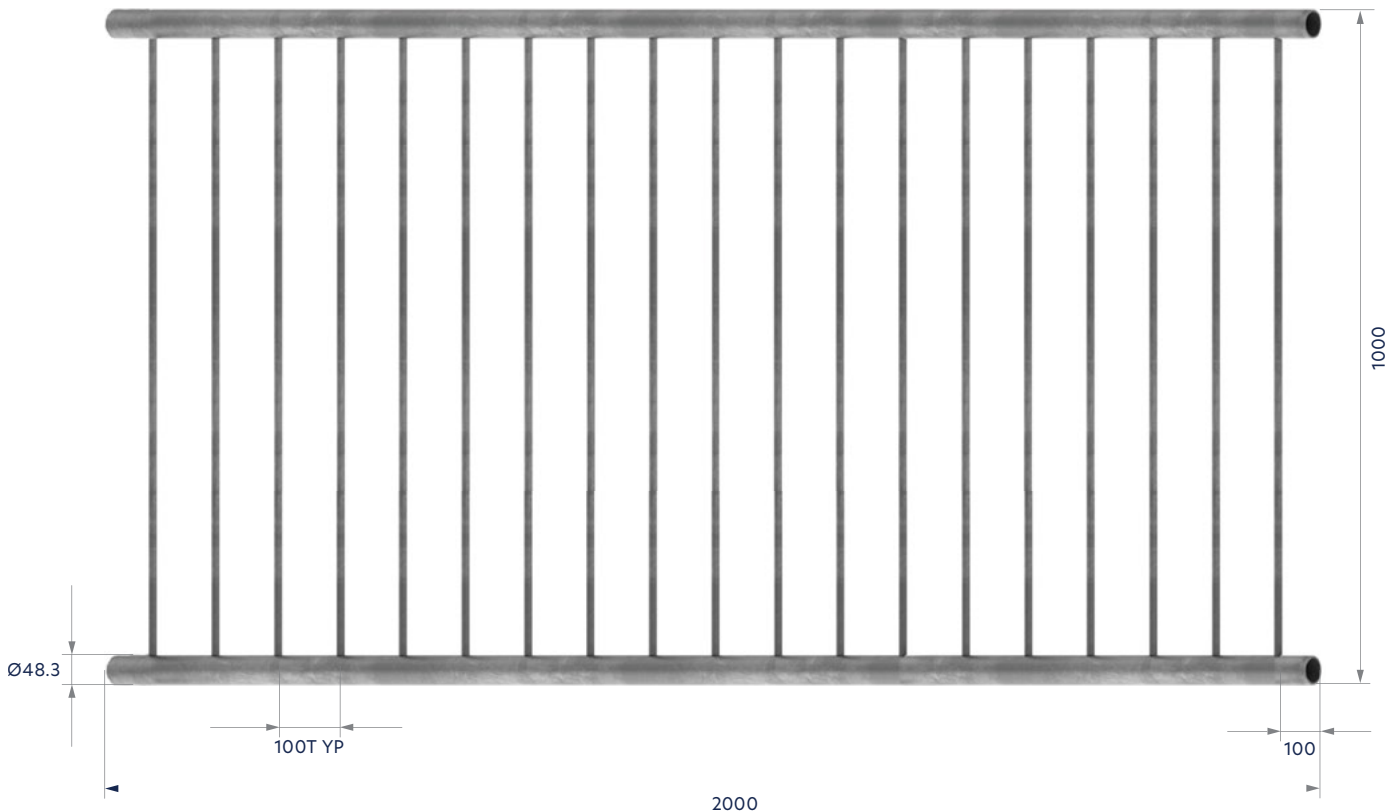
At Doogood Australia, we take pride in offering top-quality handrail fittings designed for both durability and style. Our range of fittings combines precision engineering with sleek design, ensuring secure and seamless connections for any project. Whether you're installing a new handrail system or upgrading an existing one, our fittings provide the perfect blend of safety, reliability, and aesthetic appeal.

- ✓ Bikeway and pedestrian safety barrier systems
- ✓ Disability handrails
- ✓ Trolley parking & storage bays
- ✓ Mezzanine floor safety barriers & sliding pallet gates
- ✓ Road signs
- ✓ Retail displays & racking
- ✓ Exhibition stands & displays
- ✓ General signage
- ✓ Fall prevention systems, commercial, industrial & factory safety barriers
- ✓ Machinery enclosures & guards
- ✓ Roof and walkway guard rails

## APPLICATIONS



## BALUSTRADE PANEL Modular Fittings



**DOOGOOD™**

**HRP1000 GAL**

**HRP1000X2000B BLACK**

# AUSTRALIAN STANDARDS

Component	Compliance Standards
<b>Barrier Panels</b>	<ul style="list-style-type: none"> <li>AusRoad Guide to Road Design Part 6A - Paths for Walking and Cycling</li> <li>AS4792 - Hot-dip galvanised (zinc) coatings on ferrous hollow sections, applied by a continuous or a specialised process</li> <li>AS4680 - Hot-dip galvanised (zinc) coatings on fabricated ferrous articles</li> <li>AS1657 - Fixed platforms, walkways, stairways and ladders - Design, construction and installation</li> <li>AS1074 - Steel tubes and tubulars for ordinary service</li> </ul>
<b>Modular Clamps</b>	<ul style="list-style-type: none"> <li>AS4680 - Hot-dip galvanised (zinc) coatings on fabricated ferrous articles</li> <li>AS1657 - Fixed platforms, walkways, stairways and ladders - Design, construction and installation</li> </ul>
<b>Disability Compliant Handrail Fittings (DDA)*</b>	<ul style="list-style-type: none"> <li>AS1428 - Design for access and mobility Enhanced and additional requirements - Buildings and facilities</li> </ul>
<b>Powdercoating</b>	<ul style="list-style-type: none"> <li>AS4506 - Metal finishing - Thermoset powder coatings</li> </ul>

## CODE GUIDE

### HRF

Standard Fittings

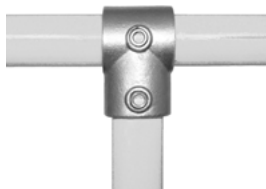
#### Pipe Size Chart

Reference	A	B	C	D	E
Nominal Bore (mm)	20nb	25nb	32nb	40nb	50nb

#### Configuration

1	Tee	5	Swivel
2	Cross	6	Joiner
3	Elbow	7	Misc
4	Flange		

## 1. TEES



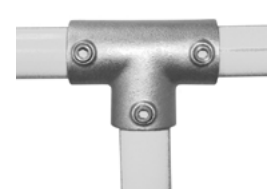
SHORT TEE

HRF101A	-	20nb
HRF101B	-	25nb
HRF101C	-	32nb
HRF101D	-	40nb
HRF101E	-	50nb
HRF101E/D	-	50nb post to 40nb rail



SHORT TEE 0-11°

HRF153C	-	32nb
HRF153D	-	40nb



LONG TEE

HRF104A	-	20nb
HRF104B	-	25nb
HRF104C	-	32nb
HRF104D	-	40nb
HRF104E	-	50nb



LONG TEE 0-11°

HRF155C	-	32nb
HRF155D	-	40nb



ADJUSTABLE SHORT TEE 30-45°

HRF129C	-	32nb
HRF129D	-	40nb



CLAMP ON TEE

HRF135C	-	32nb
HRF135D	-	40nb



SIDE OUTLET TEE

HRF176C	-	32nb
HRF176D	-	40nb



4 WAY TEE CONNECTOR

HRF177D	-	40nb
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TEE STRAIGHT DECLINE 30-45°

HRF180D	-	40nb
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TEE STRAIGHT INCLINE 30-45°

HRF181D	-	40nb
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TEE LEFT CORNER DECLINE 30-45°

HRF183D	-	40nb
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TEE RIGHT CORNER DECLINE 30-45°

HRF184D	-	40nb
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SHORT SLOPING TEE 11-29°

HRF253D	-	40nb (DDA)
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LONG SLOPING TEE 11-29°

HRF255D	-	40nb
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LONG TEE 30-45°

HRF127C	-	32nb
HRF127D	-	40nb

## 2. CROSSES



CROSS

HRF119A	-	20nb
HRF119B	-	25nb
HRF119C	-	32nb
HRF119D	-	40nb
HRF119E	-	50nb
HRF119E/D	-	50nb post to 40nb rail



90° CORNER

HRF116B	-	25nb
HRF116C	-	32nb
HRF116D	-	40nb
HRF116E	-	50nb



ADJUSTABLE LONG CROSS 30-45°

HRF130C	-	25nb
HRF130D	-	40nb



**INCLINED ANGLED CROSS CONNECTOR 0-11°**

<b>HRF156C</b>	-	32nb
<b>HRF156D</b>	-	40nb



**5 WAY CROSS**

<b>HRF158D</b>	-	40nb
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**CROSS OVER BRACKET**

<b>HRF161D</b>	-	40nb
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**CROSS STRAIGHT DECLINE 30-45°**

<b>HRF182D</b>	-	40nb
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**CROSS LEFT DECLINE 30-45°**

<b>HRF185D</b>	-	40nb
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**CROSS RIGHT DECLINE 30-45°**

<b>HRF186D</b>	-	40nb
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**LONG CROSS 11-29°**

<b>HRF256D</b>	-	40nb
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### 3. ELBOWS



**ELBOW 30-45°**

<b>HRF123D</b>	-	40nb
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**ELBOW 30-45°**

<b>HRF124C</b>	-	32nb
<b>HRF124D</b>	-	40nb



**ELBOW 90°**

<b>HRF125C</b>	-	32nb
<b>HRF125D</b>	-	40nb
<b>HRF125E</b>	-	50nb



**3 WAY 90° ELBOW**

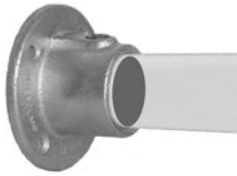
<b>HRF128A</b>	-	20nb
<b>HRF128B</b>	-	25nb
<b>HRF128C</b>	-	32nb
<b>HRF128D</b>	-	40nb



**ELBOW 0-11°**

<b>HRF154C</b>	-	32nb
<b>HRF154D</b>	-	40nb

## 4. FLANGES



ROUND WALL OR FLOOR FLANGE

HRF131C	-	32nb
HRF131D	-	40nb
HRF131E	-	50nb



FOOT FLANGE

HRF132A	-	20nb
HRF132B	-	25nb
HRF132C	-	32nb



LOWLINE WALL BRACKET

HRF139D	-	40nb (DDA)
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INCLINE ANGLED FLANGE 0-11°

HRF152C	-	32nb
HRF152D	-	40nb



HEAVY DUTY BASE FLANGE

HRF232D	-	40nb
HRF232E	-	50nb



HEAVY DUTY SQUARE BASE FLANGE

HRF233D	-	40nb
HRF233E	-	50nb



TOE PLATE BASE FLANGE

HRF242D	-	40nb
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HEAVY DUTY SIDE FLANGE

HRF246D	-	40nb
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EXTRA HEAVY DUTY FLANGE 30-45°

HRF251D	-	40nb
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EXTRA HEAVY DUTY FLANGE 11-29°

HRF252D	-	40nb
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SIDE PALM FIXING

HRF146C	-	32nb
HRF146D	-	40nb
HRF146E	-	50nb

## 5. SWIVELS



**ADJUSTABLE HORIZONTAL ANGLE CONNECTOR**

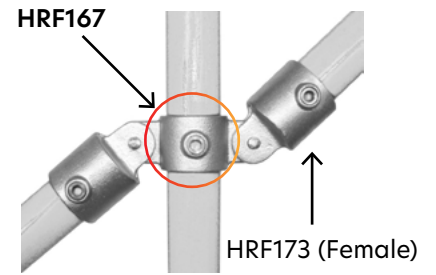
<b>HRF148C</b>	-	32nb
<b>HRF148D</b>	-	40nb
<b>HRF148E/D</b>	-	50nb post to 40nb rail

Note: sold individually but used in pairs.



**ADJUSTABLE ANGLE CONNECTOR**

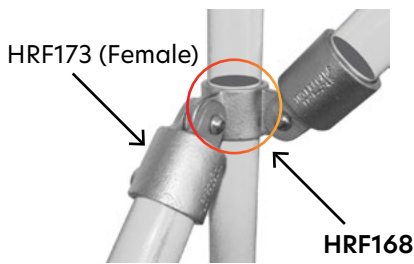
<b>HRF166C</b>	-	32nb
<b>HRF166D</b>	-	40nb



**DOUBLE SWIVEL COMBINATION**

<b>HRF167C</b>	-	32nb
<b>HRF167D</b>	-	40nb

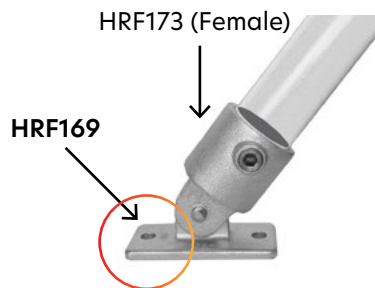
Note: sold individually but used in pairs.



**90° CORNER SWIVEL COMBINATION**

<b>HRF168C</b>	-	32nb
<b>HRF168D</b>	-	40nb

Note: sold individually but used in pairs.



**ADJUSTABLE SWIVEL BASE**

<b>HRF169C</b>	-	32nb
<b>HRF169D</b>	-	40nb



**ADJUSTABLE ANGLE SADDLE**

<b>HRF751C</b>	-	32nb (DDA)*
<b>HRF751D</b>	-	40nb (DDA)*
<b>HRF751E</b>	-	50nb (DDA)*



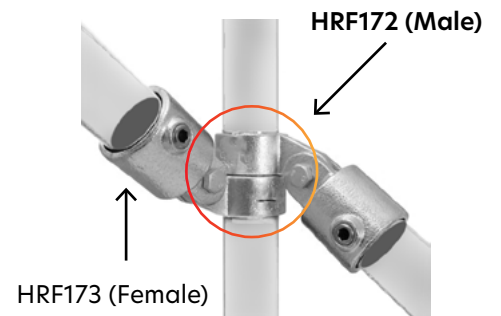
**OFFSET ADJUSTABLE ANGLE SADDLE**

<b>HRF752C</b>	-	32nb (DDA)
<b>HRF752D</b>	-	40nb (DDA)



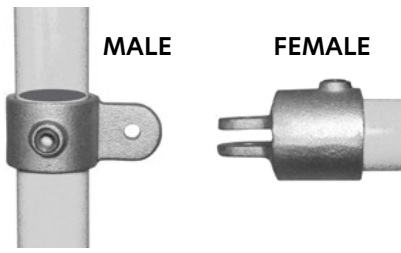
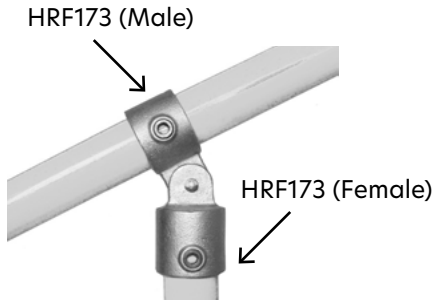
**ADJUSTABLE RAIL CONNECTOR**

<b>HRF764C</b>	-	32nb (DDA)
<b>HRF764D</b>	-	40nb (DDA)



**ADJUSTABLE SWIVEL COMBINATION**

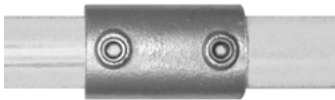
<b>HRF172C</b>	MALE	32nb
<b>HRF172D</b>	MALE	40nb
<b>HRF173C</b>	FEMALE	32nb
<b>HRF173D</b>	FEMALE	40nb



SINGLE SWIVEL COMBINATION		
HRF173C	-	32nb
HRF173D	-	40nb

SINGLE SWIVEL		
HRF173FC	FEMALE	32nb
HRF173FD	FEMALE	40nb
HRF173FE	FEMALE	50nb
HRF173MC	MALE	32nb
HRF173MD	MALE	40nb

## 6. JOINERS



EXTERNAL SLEEVE JOINER		
HRF149C	-	32nb
HRF149D	-	40nb
HRF149E	-	50nb



INTERNAL EXPANDING JOINER		
HRF150C	-	32nb
HRF150D	-	40nb



INTERNAL SLEEVE JOINER		
HRF151C	-	32nb (DDA)
HRF151D	-	40nb (DDA)
HRF151E	-	50nb (DDA)



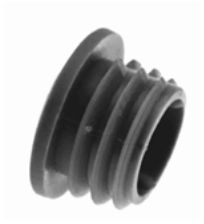
SLEEVED WALL BRACKET JOINER		
HRF235C	-	32nb
HRF235D	-	40nb



90° INTERNAL SLEEVE JOINER		
HRF725C	-	32nb (DDA)
HRF725D	-	40nb (DDA)



## 7. MISCELLANEOUS



**BLACK PLASTIC END CAP**

<b>IPC25RND</b>	-	25nb
<b>IPC32RND</b>	-	32nb
<b>IPC40RND</b>	-	40nb
<b>IPC50RND</b>	-	50nb



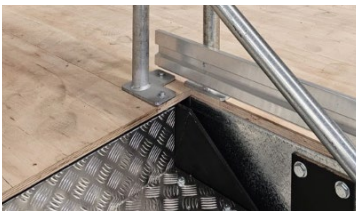
**ALUMINIUM CAP**

<b>HRF333C</b>	-	32nb
<b>HRF333D</b>	-	40nb



**GALVANISED STEEL CAP**

<b>K25</b>	-	25nb
<b>K32</b>	-	32nb
<b>K40</b>	-	40nb
<b>K50</b>	-	50nb



**KICK PLATE**

<b>HRF-AL200</b>	2000mm Kick Plate
<b>HRF-ALINTC</b>	Internal Corner
<b>HRF-END</b>	12 x 12 x 1.6 End Cap
<b>HRF-ALEXTC</b>	External Corner



**LOCKING COLLAR**

<b>HRF179C</b>	-	32nb
<b>HRF179D</b>	-	40nb



**DOUBLE FIXING BRACKET**

<b>HRF198C</b>	-	32nb
<b>HRF198D</b>	-	40nb



**SINGLE FIXING BRACKET**

<b>HRF199C</b>	-	32nb
<b>HRF199D</b>	-	40nb
<b>HRF199E</b>	-	50nb



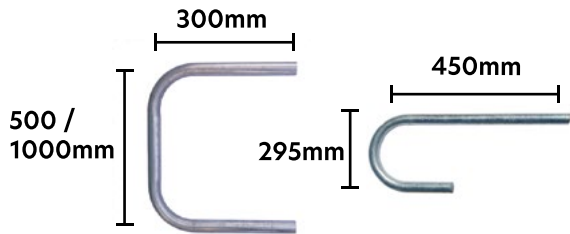
**GATE EYE**

<b>HRF138C</b>	-	32nb
<b>HRF138D</b>	-	40nb



**GATE HINGE**

<b>HRF140C</b>	-	32nb
<b>HRF140D</b>	-	40nb



END TERMINATIONS	
HRF-JEND-B	25nb
HRF-JEND-C	32nb
HRF-JEND-D	40nb
HRF-JEND-E	50nb
HRF-D500END-D	40nb - 500mm
HRF-D500END-E	50nb - 500mm
HRF-D1000END-D	40nb - 1000mm
HRF-D1000END-E	50nb - 1000mm

CONSUMABLES	
WTEK12-24X32GAL	WAFER HEAD 12-24 X 32 HEX TEK SCREWS - GAL (500)
BCHM10X25	M10 X 25 CUP HEAD BOLT GALVANISED EACH
NNYMG1000P2	M10 LOCKNUT CLASS 6 NYLON GAL EACH
DBOLT16X65G	GAL 16 X 65MM DYNA BOLT EACH
DBOLT12X60G	GAL 12 X 60MM DYNA BOLT EACH
TEK142022GAL	14-20 X 22 HEX B8 TEK SCREWS - GAL (500)
PFPD1414G	14-10 X 25 PENTAFORCE SECURITY SCREW GAL (1000)
PFD2-B	#2 PENTAFORCE SECURITY DRIVE BIT 50 MM EACH
HRF300SS	316 GRADE 5/16 X 15MM SPARE GRUB SCREW EACH
PFPD12G	12 X 14 X 25 PENTAFORCE SECURITY SCREW GAL (1000)



EPDM RING
HRF797C - 32nb (DDA)
HRF797D - 40nb (DDA)

HANDRAIL MOUNTING BRACKET
HRF748C - 32nb (DDA)
HRF748D - 40nb (DDA)



WALL SUPPORT BRACKET
HRF746S - 32nb/40nb (DDA)
HRF746L - 32nb/40nb (DDA)

POST SIDE SUPPORT BRACKET
HRF145D - 40nb

## 8. SAFETY BOLLARDS



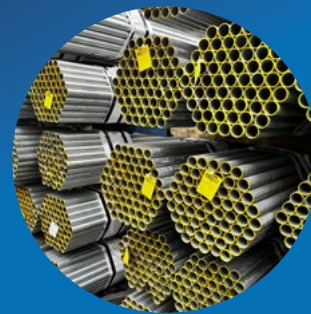
SAFETY BOLLARDS		
BOLL9009	80nb	90mm x 900mm
BOLL11510	100nb	115mm x 1000mm
BOLL14012	125nb	140mm x 1100mm
BOLL16513	150nb	165mm x 1300mm

## Need some premium Hot-dipped Galvanised Pipe?

Doogood is the leading provider of hot-dipped galvanised pipes and premium HDG products in Australia.

Hot dipped galvanised pipes, posts and parts can withstand years of continuous usage and exposure to the elements without losing functionality, structural integrity, or aesthetic appeal. They are cost-effective and a lower-maintenance alternative to stainless steel.

Doogood holds approximately 3,000 tonne of HDG CHS pipe in various diameters and thicknesses. We can also assist with surface preparation and hot dip galvanising for custom projects, manufactured items and sections that are not stocked in HDG.



## Did you know we are Powder Coating specialists?

Doogood specialises in hard-wearing surface finishing for large and complex industrial and architectural components, sliding gates and metal fencing. We're equipped to service large items with dimensions up to 15m x 3m x 3m.

Our state-of-the-art, purpose-built steel pipe powder coating line features automated lines, batch coating systems, 5-stage Chromate tanks and in-house sandblasting facilities to ensure a flawless finish, first time, every time.

We use premium quality Dulux and Interpon powders available in hundreds of colours and shades giving us the ability to colour match existing components and colour themes or create a fresh new look.



## Chain Mesh is a cost-effective way to secure large perimeters

Doogood offers a complete range of chain mesh fencing solutions, including our premium Doobond and fusion bonded chain mesh wire. These wire options are ideal for use in extreme conditions, such as sporting and coastal applications as they are bonded to the wire, reducing splitting in high impact environments.

Fast and straightforward to install, chain mesh wire does not obstruct visibility and is durable and strong enough to withstand high winds and high velocity impact, which is why it is the perimeter safety barrier of choice for tennis courts, baseball and cricket fields and used to protect properties in cyclone-prone areas from flying debris.

Our manufacturing capabilities are expansive with six machines constantly operating to ensure you get all the wire products you need, when you need.



## Fencing solutions for Residential, Commercial and Civil projects

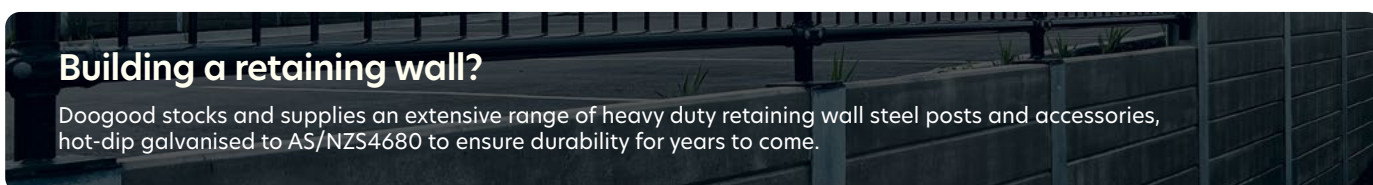
Doogood is one of the largest suppliers of quality steel and aluminium fencing in Australia to residential, commercial and civil fencing contractors.

Our everyday range is ready to go when you are, or we can customise a solution to your unique needs. Our range includes fencing suitable for residential boundaries, pools, schools, childcare, factories and high security applications.

We maintain large stock holdings with a huge range of styles in prefabricated steel fencing panels, fence posts, gates, and fencing supplies in our Melbourne storage facilities. We also manufacture quality-assured custom steel fencing and provide custom steel surface coating in-house, with fast turnaround times and delivery to anywhere in Australia.

## Building a retaining wall?

Doogood stocks and supplies an extensive range of heavy duty retaining wall steel posts and accessories, hot-dip galvanised to AS/NZS4680 to ensure durability for years to come.





**DOOGOOD™**  
Australia

## Steel Fencing Supply & Powder Coating

### Head Office

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