

### DN225 DN225 DN225 DN225 DN225

#### PVC/HDPE OD=250mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	250mm	DSC225-250	Not Required
AC	257mm	DSC250-275	DSCB08/240-250
AVC	285mm	DSC265-290	DSCB16/240-250
S/SL	265mm	DSC250-275	DSCB08/240-250

#### Super Sleeve S/SL OD=265mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	250mm	DSC250-275	DSCB08/240-250
AC	257mm	DSC265-290	DSCB08/156-166
AVC	285mm	DSC250-275	Not Required
S/SL	265mm	DSC250-275	Not Required

#### Australian Vitrified Clay OD=285mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	250mm	DSC265-290	DSCB16/240-250
AC	257mm	DSC265-290	DSCB08/156-166
AVC	285mm	DSC265-290	Not Required
S/SL	265mm	DSC265-290	Not Required

#### Asbestos Cement AC OD=257mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	250mm	DSC250-275	DSCB16/240-250
AC	257mm	DSC250-275	Not Required
AVC	285mm	DSC265-290	DSCB08/156-166
S/SL	265mm	DSC250-275	DSCB08/156-166

### Why use a Shear Banded Coupling?

The stainless steel shear band ensures the integrity of the joint and keeps pipes aligned under load. When repairing or joining pipes in unstable ground conditions, Deks Shear Banded Couplings will give the stability and resistance to shear forces imposed by ground movement or heavy above ground loads.

### Causes of misalignment

- Improper back fill or trench beddings.
- Expansion/contraction of soil caused by water conditions, flooding, temperature changes, earthquakes or settling soils.
- Vibration in and around transport areas such as highways, train tracks or airports.

### Misalignment results in:

- A stepped profile in the sewer line can create flow obstruction or blockages.
- Pipes pulling apart, causing leakage in the joint.
- Root infestation.



### Shear Banded Coupling Selection Guide

Deks Part Number	Pipe OD Range	Coupling Length	Carton Qty
DSC100-115	100-115	121	9
DSC110-125	110-125	121	9
DSC120-137	120-137	121	9
DSC125-150	125-150	137	9
DSC160-180	160-180	137	12
DSC175-200	175-200	150	12
DSC225-250	225-250	150	3
DSC250-275	250-275	150	3
DSC265-290	265-290	150	3

### Rubber Bush Selection Guide

Deks Part Number	Pipe OD Range (mm)	Bush OD (mm)	Bush Length (mm)	Bush Thickness (mm)	Carton Qty
DSCB08/105-115	105-115	131	55	8	96
DSCB08/115-125	115-125	143	60	8	36
DSCB08/150-160	150-160	178	60	8	36
DSCB08/156-166	156-166	182	60	8	36
DSCB08/160-170	160-170	185	60	8	16
DSCB08/170-180	170-180	196	60	8	16
DSCB08/240-250	240-250	268	60	8	16
DSCB08/255-264	255-265	282	60	8	16
DSCB15/105-115	105-115	145	60	15	36
DSCB16/154-164	154-164	197	60	16	16
DSCB16/240-250	240-250	284	60	16	16

\* For further details refer technical data sheets at [www.deks.com.au/products/plumbing-roofing/shear-banded-coupling](http://www.deks.com.au/products/plumbing-roofing/shear-banded-coupling)



### Using Shear Banded Couplings with Bushes

Deks Shear Banded Couplings can be used either by themselves or with a bush to repair, join or adapt pipelines. Specifically designed to connect and repair pipes of different materials or sizes used in sewage, drainage and other underground applications. Deks Shear Banded Couplings can be used with a bush to act as an adaptor between pipelines of differing materials. The use of a bush simplifies an effective waterproof connection by aligning both pipe materials to within 5mm. Couplings to be tightened to specified torques, as per data sheets and product labels.

### Other civil products available from DEKS



Visit [www.deks.com.au](http://www.deks.com.au) for further information

## Deks Shear Banded Couplings

Deks Shear Banded Couplings are specifically designed to connect and repair low pressure pipelines. The centre stainless steel shear band helps protect the joint against corrosive environments, earth movement, shear forces and heavy loads. The shear band helps to ensure pipe alignment while allowing joint flexibility. Deks Shear Banded Couplings can be used to join dissimilar pipe materials with the use of a rubber bush.



- ✓ High quality fittings  
Provides a high performance waterproof seal on low pressure pipes.
- ✓ EPDM Rubber - Type B  
Designed for sewerage, drainage and low pressure applications up to 250 kPa.
- ✓ Versatile  
Connect and repair pipelines of different materials or sizes in underground applications.
- ✓ Stainless Steel Shear Band - 316 Stainless  
Provides excellent resistance to heavy loads and shear forces and ensures joint flexibility and pipe alignment.
- ✓ Range of rubber bushes  
Fit to a range a varying pipe materials in one easy step.





## DN100

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### Super Sleeve S/SL OD=123mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	110mm	DSC110-125	DSCB08/105-115
FRC	126mm	DSC110-125	Not Required
AC	122mm	DSC110-125	Not Required
Cast Iron	116mm	DSC110-125	Not Required
Concrete	140mm	DSC125-150	DSCB08/115-125
Gal	114mm	DSC110-125	Not Required
AVC	142mm	DSC125-150	DSCB08/115-125
S/SL	123mm	DSC110-125	Not Required
Naylor	130mm	DSC120-137	Not Required
Ductile Iron	122mm	DSC110-125	Not Required

### Australian Vitrified Clay OD=142mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	110mm	DSC125-150	DSCB15/105-115
FRC	126mm	DSC125-150	Not Available
AC	122mm	DSC125-150	DSCB08/115-125
Cast Iron	116mm	DSC125-150	DSCB15/105-115
Concrete	140mm	DSC125-150	Not Required
Gal	114mm	DSC125-150	DSCB15/105-115
AVC	142mm	DSC125-150	Not Required
S/SL	123mm	DSC125-150	Not Required
Naylor	130mm	DSC125-150	Not Available
Ductile Iron	122mm	DSC125-150	DSCB08/115-125

### Naylor OD=130mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC120-137	DSCB08/105-115
FRC	126mm	DSC120-137	Not Required
AC	122mm	DSC120-137	Not Required
Cast Iron	116mm	DSC120-137	DSCB08/105-115
Concrete	140mm	DSC125-150	Not Available
Gal	114mm	DSC120-137	DSCB08/105-115
AVC	142mm	DSC125-150	Not Available
S/SL	123mm	DSC120-137	Not Required
Naylor	130mm	DSC120-137	Not Required
Ductile Iron	122mm	DSC120-137	Not Required

### Fibre Reinforced Concrete FRC OD=126mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC110-125	DSCB08/105-115
FRC	126mm	DSC120-137	Not Required
AC	122mm	DSC120-138	Not Required
Cast Iron	116mm	DSC110-125	Not Required
Concrete	140mm	DSC125-150	Not Available
Gal	114mm	DSC110-125	Not Required
AVC	142mm	DSC125-150	Not Available
S/SL	123mm	DSC110-125	Not Required
Naylor	130mm	DSC120-137	Not Required
Ductile Iron	122mm	DSC120-137	Not Required

### PVC/HDPE OD=110mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC100-115	Not Required
FRC	126mm	DSC110-125	DSCB08/105-115
AC	122mm	DSC110-125	DSCB08/105-115
Cast Iron	116mm	DSC100-115	Not Required
Concrete	140mm	DSC125-150	DSCB15/105-115
Gal	114mm	DSC100-115	Not Required
AVC	142mm	DSC125-150	DSCB15/105-115
S/SL	123mm	DSC110-125	DSCB08/105-115
Naylor	130mm	DSC120-137	DSCB08/105-115
Ductile Iron	122mm	DSC110-125	DSCB15/105-115

### Ductile Iron & Asbestos Cement OD=122mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC110-125	DSCB08/105-115
FRC	126mm	DSC110-125	Not Required
AC	122mm	DSC110-125	Not Required
Cast Iron	116mm	DSC110-125	Not Required
Concrete	140mm	DSC125-150	DSCB08/105-125
Gal	114mm	DSC110-125	Not Required
AVC	142mm	DSC125-150	DSCB08/115-125
S/SL	123mm	DSC110-125	Not Required
Naylor	130mm	DSC120-137	Not Required
Ductile Iron	122mm	DSC110-125	Not Required

### Concrete OD=140mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC125-150	DSCB15/105-115
FRC	126mm	DSC125-150	Not Available
AC	122mm	DSC125-150	DSCB08/115-125
Cast Iron	116mm	DSC125-150	DSCB15/105-115
Concrete	140mm	DSC125-150	Not Required
Gal	114mm	DSC125-150	DSCB15/105-115
AVC	142mm	DSC125-150	Not Required
S/SL	123mm	DSC125-150	Not Required
Naylor	130mm	DSC125-150	Not Available
Ductile Iron	122mm	DSC125-150	DSCB08/115-125

### Cast Iron OD=116mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC100-115	Not Required
FRC	126mm	DSC110-125	Not Required
AC	122mm	DSC110-125	Not Required
Cast Iron	116mm	DSC110-125	Not Required
Concrete	140mm	DSC125-150	DSCB15/105-115
Gal	114mm	DSC110-125	Not Required
AVC	142mm	DSC125-150	DSCB15/105-115
S/SL	123mm	DSC110-125	Not Required
Ductile Iron	122mm	DSC110-125	Not Required

### GAL OD=114mm (Socket 1)

Joining to (Socket 2)	(OD)mm	Coupling	Bush
PVC/HDPE	110mm	DSC100-115	Not Required
FRC	126mm	DSC110-125	Not Required
AC	122mm	DSC110-125	Not Required
Cast Iron	116mm	DSC110-125	Not Required
Concrete	140mm	DSC125-150	DSCB15/105-115
Gal	114mm	DSC110-125	Not Required
AVC	142mm	DSC125-150	DSCB15/105-115
S/SL	123mm	DSC110-125	Not Required
Ductile Iron	122mm	DSC110-125	Not Required



## DN150

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### Super Sleeve S/SL & FRC OD=179mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	160mm	DSC160-180	DSCB08/150-160
FRC	179mm	DSC160-180	Not Required
AC	177mm	DSC160-180	Not Required
Cast Iron	177mm	DSC160-180	Not Required
Concrete	197mm	DSC175-200	DSCB08/170-180
Gal	166mm	DSC160-180	DSCB08/156-166
AVC	194mm	DSC175-200	DSCB16/154-164
S/SL	179mm	DSC160-180	Not Required
Ductile Iron	177mm	DSC160-180	Not Required

### PVC/HDPE OD=160mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	160mm	DSC160-180	Not Required
FRC	179mm	DSC160-180	DSCB08/150-160
AC	177mm	DSC160-180	DSCB08/150-160
Cast Iron	177mm	DSC160-180	DSCB08/150-160
Concrete	197mm	DSC175-200	DSCB16/154-164
Gal	166mm	DSC160-180	DSCB08/160-170
AVC	194mm	DSC175-200	DSCB16/154-164
S/SL	179mm	DSC160-180	DSCB08/150-160
Ductile Iron	177mm	DSC160-180	DSCB08/150-160

### Australian Vitrified Clay OD=194mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	160mm	DSC175-200	DSCB16/154-164
FRC	179mm	DSC175-200	DSCB08/170-180
AC	177mm	DSC175-200	DSCB08/170-180
Cast Iron	177mm	DSC175-200	DSCB08/170-180
Concrete	197mm	DSC175-200	Not Required
Gal	166mm	DSC175-200	DSCB08/160-170
AVC	194mm	DSC175-200	Not Required
S/SL	179mm	DSC175-200	DSCB08/170-180
Ductile Iron	177mm	DSC175-200	DSCB08/170-180

### Ductile, Cast Iron & Asbestos Cement OD=177mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	160mm	DSC160-180	DSCB08/150-160
FRC	179mm	DSC160-180	Not Required
AC	177mm	DSC160-180	Not Required
Cast Iron	177mm	DSC160-180	Not Required
Concrete	197mm	DSC175-200	DSCB08/170-180
Gal	166mm	DSC160-180	DSCB08/156-166
AVC	194mm	DSC175-200	DSCB16/154-164
S/SL	179mm	DSC160-180	Not Required
Ductile Iron	177mm	DSC160-180	Not Required

### Concrete OD=197mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	160mm	DSC175-200	DSCB16/154-164
FRC	179mm	DSC175-200	DSCB08/170-180
AC	177mm	DSC175-200	DSCB08/170-180
Cast Iron	177mm	DSC175-200	DSCB08/170-180
Concrete	197mm	DSC175-200	Not Required
Gal	166mm	DSC175-200	DSCB16/154-164
AVC	194mm	DSC175-200	Not Required
S/SL	179mm	DSC175-200	DSCB08/170-180
Ductile Iron	177mm	DSC175-200	DSCB08/170-180

### Gal OD=166mm (Socket 1)

Joining to (Socket 2)	OD(mm)	Coupling	Bush
PVC/HDPE	160mm	DSC160-180	DSCB08/160-170
FRC	179mm	DSC160-180	DSCB08/156-166
AC	177mm	DSC160-180	DSCB08/156-166
Cast Iron	177mm	DSC160-180	DSCB08/156-166
Concrete	197mm	DSC175-200	DSCB16/154-164
Gal	166mm	DSC160-180	Not Required
AVC	194mm	DSC175-200	DSCB16/154-164
S/SL	179mm	DSC160-180	DSCB08/156-166
Ductile Iron	177mm	DSC160-180	DSCB08/156-166