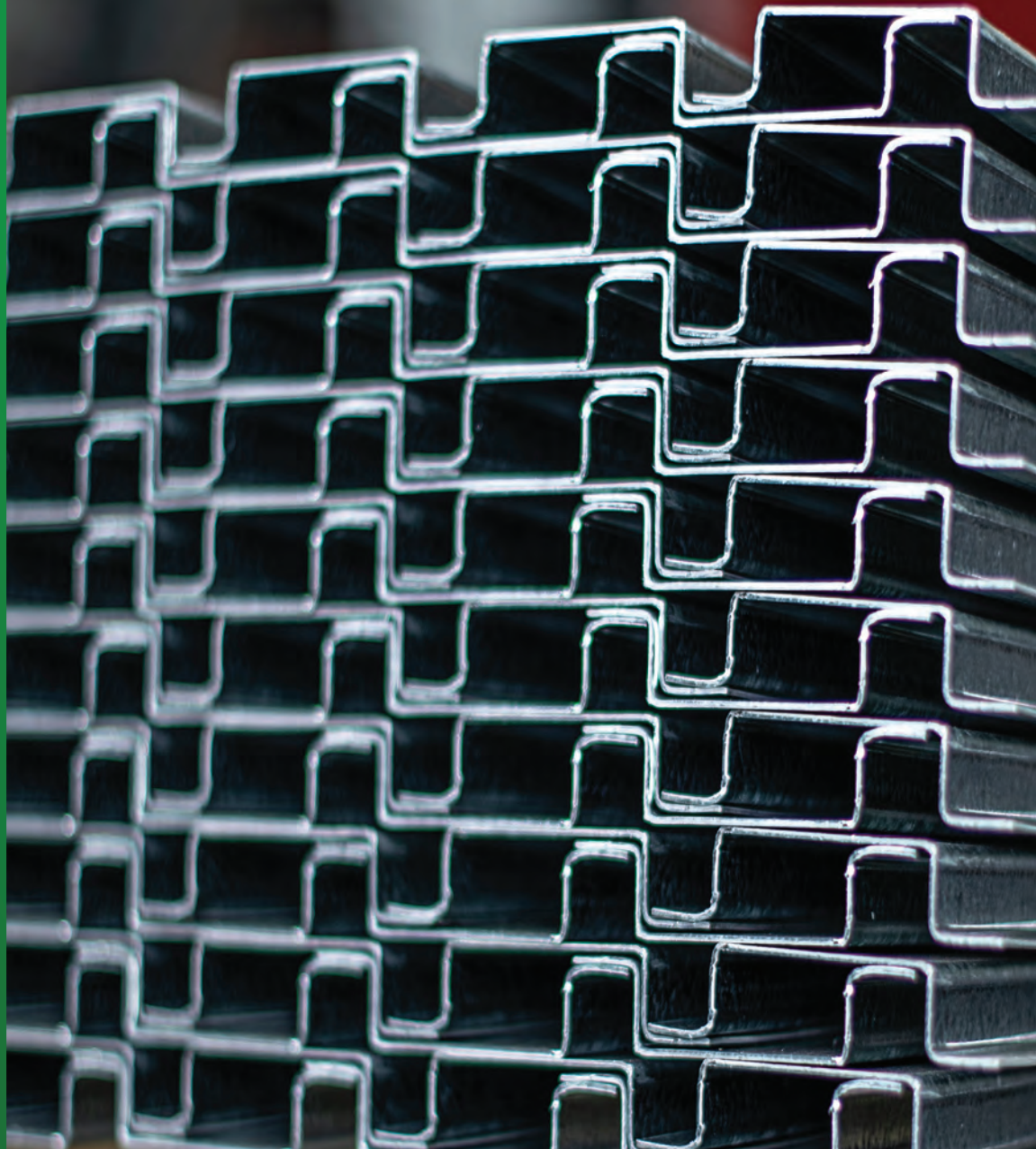




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CLADDING SYSTEM

# MILLFORM JUNCTION STUD SPECIFICATIONS AND SPAN TABLES

## JUNCTION STUDS



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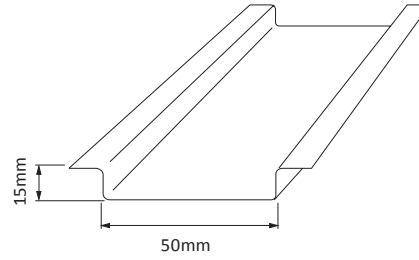
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## Junction Stud 0.75

### 50 x 15 Junction Stud

JUNCTION STUD - 50 X 15 X 0.75 BMT: **JS50150.75** (0.59kg/m)

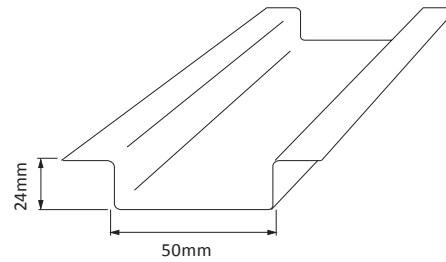
**Standard Pack:** 50 Lengths x 6M



### 50 x 24 Junction Stud

JUNCTION STUD - 50 X 24 X 0.75 BMT: **JS50240.75** (0.80kg/m)

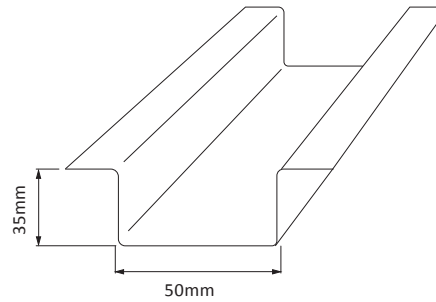
**Standard Pack:** 50 Lengths x 6M



### 50 x 35 Junction Stud

JUNCTION STUD - 50 X 35 X 0.75 BMT: **JS50350.75** (0.91kg/m)

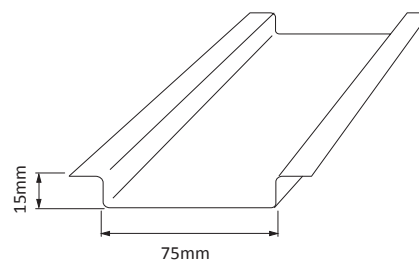
**Standard Pack:** 50 Lengths x 6M



### 75 x 15 Junction Stud

JUNCTION STUD - 75 X 15 X 0.75 BMT: **JS75150.75** (0.80kg/m)

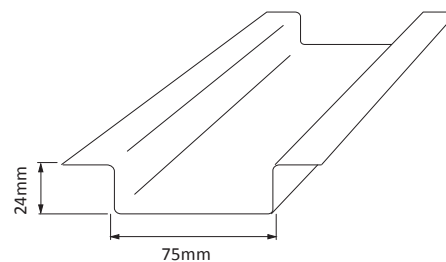
**Standard Pack:** 50 Lengths x 6M



### 75 x 24 Junction Stud

JUNCTION STUD - 75 X 24 X 0.75 BMT: **JS75240.75** (0.91kg/m)

**Standard Pack:** 50 Lengths x 6M



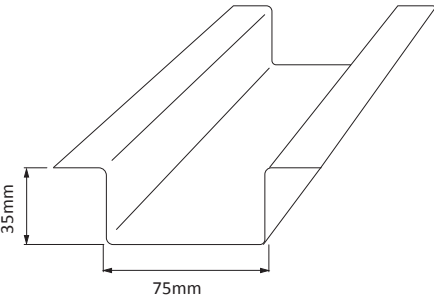
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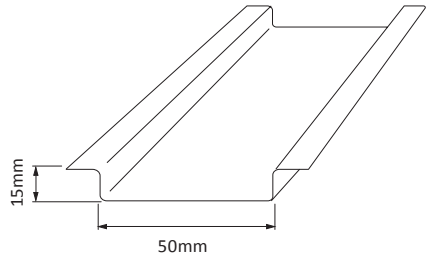
# Junction Stud 0.75

<b>75 x 35 Junction Stud</b>
JUNCTION STUD - 75 X 35 X 0.75 BMT: <b>JS75350.75</b> (1.09kg/m)
<b>Standard Pack:</b> 50 Lengths x 6M

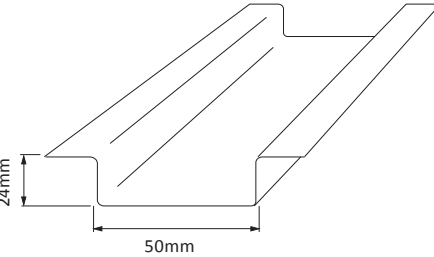


# Junction Stud 1.10

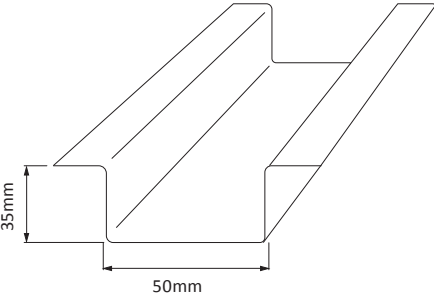
<b>50 x 15 Junction Stud</b>
JUNCTION STUD - 50 X 15 X 1.10 BMT: <b>JS5015</b> (0.89kg/m)
<b>Standard Pack:</b> 50 Lengths x 6M



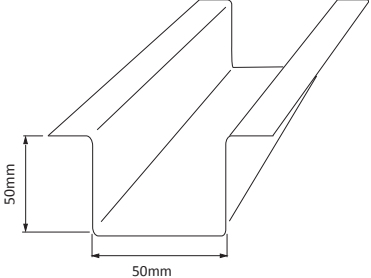
<b>50 x 24 Junction Stud</b>
JUNCTION STUD - 50 X 24 X 1.10 BMT: <b>JS5024</b> (1.13kg/m)
<b>Standard Pack:</b> 50 Lengths x 6M



<b>50 x 35 Junction Stud</b>
JUNCTION STUD - 50 X 35 X 1.10 BMT: <b>JS5035</b> (1.33kg/m)
<b>Standard Pack:</b> 50 Lengths x 6M



<b>50 x 50 Junction Stud</b>
JUNCTION STUD - 50 X 50 X 1.10 BMT: <b>JS5050</b> (1.56kg/m)
<b>Standard Pack:</b> 50 Lengths x 6M

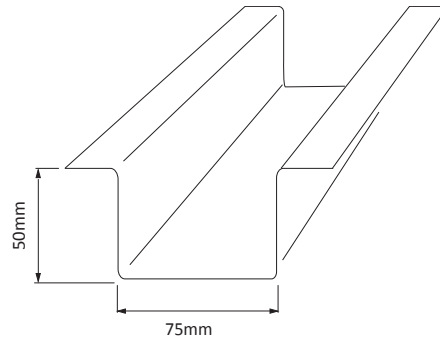


# Junction Stud 1.10

## 75 x 50 Junction Stud

JUNCTION STUD - 75 X 50 X 1.10 BMT: **JS7550** (1.91kg/m)

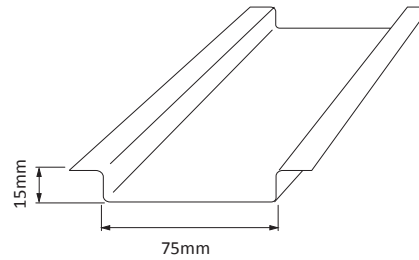
**Standard Pack:** 50 Lengths x 6M



## 75 x 15 Junction Stud

JUNCTION STUD - 75 X 15 X 1.10 BMT: **JS7515** (1.13kg/m)

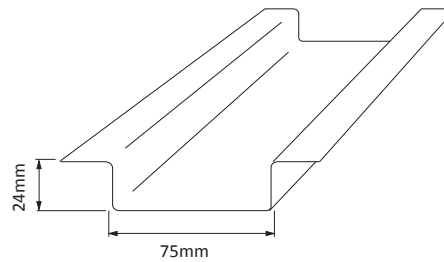
**Standard Pack:** 50 Lengths x 6M



## 75 x 24 Junction Stud

JUNCTION STUD - 75 X 24 X 1.10 BMT: **JS7524** (1.33kg/m)

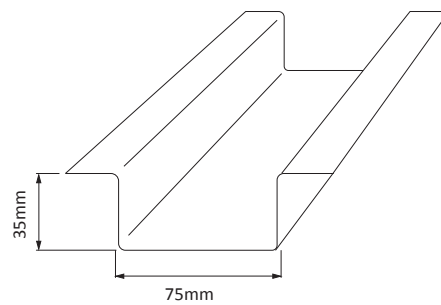
**Standard Pack:** 50 Lengths x 6M



## 75 x 35 Junction Stud

JUNCTION STUD - 75 X 35 X 1.10 BMT: **JS7535** (1.56kg/m)

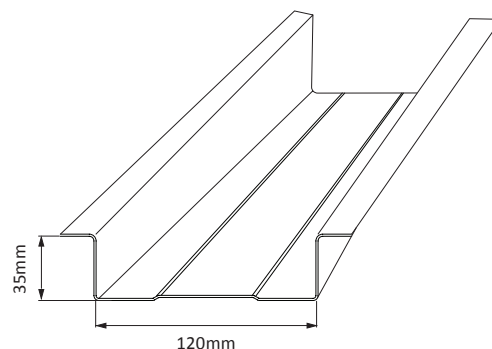
**Standard Pack:** 50 Lengths x 6M



## 120 x 35 Junction Stud

JUNCTION STUD - 120 X 35 X 1.10 BMT: **JS12035** (1.97kg/m)

**Standard Pack:** 50 Lengths x 6M



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## Design Codes, Standards & Guidelines

ASNZS 4600-2005 – Cold-formed Steel Structures

## Assumptions

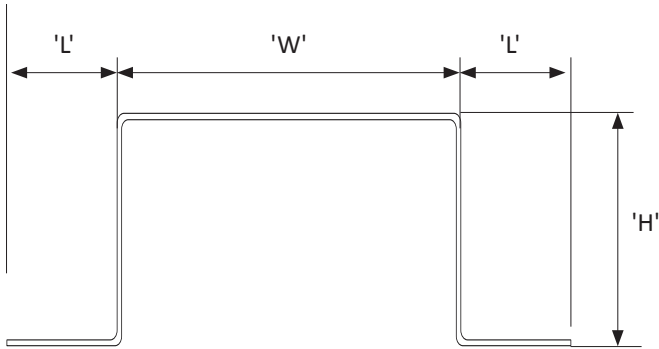
1. When using the tables, loads are to be determined using the AS1170 series.
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300 mm centres by the supported claddings.
4. Design capacities consider inwards/outwards loadings. The lowest value displayed.

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# SPAN TABLES - JUNCTION STUD 0.55/0.75

## Member Schedule – Junction Studs



DESCRIPTION	Steel Grade (AS1397)	Nom Width "W"	Nom Height "H"	Leg Return "L"	BMT
		<b>W</b>	<b>H</b>	<b>L</b>	
JS50x35-0.55	G550	50	35	27	0.55
JS50x15-0.75	G550	50	15	12	0.75
JS50x24-0.75	G550	50	24	20	0.75
JS50x35-0.75	G550	50	35	18	0.75
JS50x50-0.75	G550	50	50	18	0.75
JS75x15-0.75	G550	75	15	16	0.75
JS75x24-0.75	G550	75	24	16	0.75
JS75x35-0.75	G550	75	35	20	0.75
JS75x50-0.75	G550	75	50	19	0.75
JS120x35-0.75	G550	120	35	20	0.75

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# Junction Stud – 0.55

## Design Capacities (kPa)

### JS50X35 – 0.55

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	6.95	12.72	24.46	8.83	16.98	5.21	9.54	18.34	6.62	12.74
750	3.09	3.77	7.25	2.62	5.03	2.32	2.83	5.44	1.96	3.77
1000	1.74	1.59	3.06	1.10	2.12	1.30	1.19	2.29	0.83	1.59
1250	1.11	0.81	1.57	0.57	1.09	0.83	0.61	1.17	0.42	0.82
1500	0.77	0.47	0.91	0.33	0.63	0.58	0.35	0.68	0.25	0.47
1750	0.57	0.30	0.57	0.21	0.40	0.43	0.22	0.43	0.15	0.30
2000	0.43	0.20	0.38	0.14	0.27	0.33	0.15	0.29	0.10	0.20
2250	0.34	0.14	0.27	0.10	0.19	0.26	0.10	0.20	0.07	0.14

**Notes:**

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.



# Junction Stud – 0.75

## Design Capacities (kPa)

### JS50X15 – 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	2.53	2.62	5.04	1.82	3.50	1.90	1.96	3.78	1.36	2.62
750	1.12	0.78	1.49	0.54	1.04	0.84	0.58	1.12	0.40	0.78
1000	0.63	0.33	0.63	0.23	0.44	0.47	0.25	0.47	0.17	0.33
1250	0.40	0.17	0.32	0.12	0.22	0.30	0.13	0.24	0.09	0.17
1500	0.28	0.10	0.19	0.07	0.13	0.21	0.07	0.14	0.05	0.10
1750	0.21	0.06	0.12	0.04	0.08	0.15	0.05	0.09	0.03	0.06
2000	0.16	0.04	0.08	0.03	0.05	0.12	0.03	0.06	0.02	0.04
2250	0.12	0.03	0.06	0.02	0.04	0.09	0.02	0.04	0.01	0.03

### JS50X24 – 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	5.27	8.12	15.62	5.64	10.85	3.95	6.09	11.72	4.23	8.14
750	2.34	2.41	4.63	1.67	3.21	1.76	1.81	3.47	1.25	2.41
1000	1.32	1.02	1.95	0.71	1.36	0.99	0.76	1.46	0.53	1.02
1250	0.84	0.52	1.00	0.36	0.69	0.63	0.39	0.75	0.27	0.52
1500	0.59	0.30	0.58	0.21	0.40	0.44	0.23	0.43	0.16	0.30
1750	0.43	0.19	0.36	0.13	0.25	0.32	0.14	0.27	0.10	0.19
2000	0.33	0.13	0.24	0.09	0.17	0.25	0.10	0.18	0.07	0.13
2250	0.26	0.09	0.17	0.06	0.12	0.20	0.07	0.13	0.05	0.09

#### Notes:

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.

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# Junction Stud – 0.75

## Design Capacities (kPa)

### JS50X35 – 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	11.03	19.12	36.76	13.28	25.53	8.27	14.34	27.57	9.96	19.15
750	4.90	5.66	10.89	3.93	7.56	3.68	4.25	8.17	2.95	5.67
1000	2.76	2.39	4.60	1.66	3.19	2.07	1.79	3.45	1.24	2.39
1250	1.76	1.22	2.35	0.85	1.63	1.32	0.92	1.76	0.64	1.23
1500	1.23	0.71	1.36	0.49	0.95	0.92	0.53	1.02	0.37	0.71
1750	0.90	0.45	0.86	0.31	0.60	0.68	0.33	0.64	0.23	0.45
2000	0.69	0.30	0.57	0.21	0.40	0.52	0.22	0.43	0.16	0.30
2250	0.54	0.21	0.40	0.15	0.28	0.41	0.16	0.30	0.11	0.21

### JS50X50 – 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	19.89	41.09	79.03	28.54	54.88	14.92	30.82	59.27	21.40	41.16
750	8.84	12.18	23.42	8.46	16.26	6.63	9.13	17.56	6.34	12.20
1000	4.97	5.14	9.88	3.57	6.86	3.73	3.85	7.41	2.68	5.15
1250	3.18	2.63	5.06	1.83	3.51	2.39	1.97	3.79	1.37	2.63
1500	2.21	1.52	2.93	1.06	2.03	1.66	1.14	2.20	0.79	1.52
1750	1.62	0.96	1.84	0.67	1.28	1.22	0.72	1.38	0.50	0.96
2000	1.24	0.64	1.23	0.45	0.86	0.93	0.48	0.93	0.33	0.64
2250	0.98	0.45	0.87	0.31	0.60	0.74	0.34	0.65	0.23	0.45

**Notes:**

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.

# Junction Stud – 0.75

## Design Capacities (kPa)

### JS75X15 – 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	3.68	3.05	5.86	2.12	4.07	2.76	2.28	4.39	1.59	3.05
750	1.63	0.90	1.74	0.63	1.21	1.23	0.68	1.30	0.47	0.90
1000	0.92	0.38	0.73	0.26	0.51	0.69	0.29	0.55	0.20	0.38
1250	0.59	0.19	0.37	0.14	0.26	0.44	0.15	0.28	0.10	0.20
1500	0.41	0.11	0.22	0.08	0.15	0.31	0.08	0.16	0.06	0.11
1750	0.30	0.07	0.14	0.05	0.09	0.23	0.05	0.10	0.04	0.07
2000	0.23	0.05	0.09	0.03	0.06	0.17	0.04	0.07	0.02	0.05
2250	0.18	0.03	0.06	0.02	0.04	0.14	0.03	0.05	0.02	0.03

### JS75X24 – 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	10.89	9.18	17.66	6.38	12.27	8.17	6.89	13.25	4.78	9.20
750	4.84	2.72	5.23	1.89	3.63	3.63	2.04	3.93	1.42	2.73
1000	2.72	1.15	2.21	0.80	1.53	2.04	0.86	1.66	0.60	1.15
1250	1.74	0.59	1.13	0.41	0.79	1.31	0.44	0.85	0.31	0.59
1500	1.21	0.34	0.65	0.24	0.45	0.91	0.26	0.49	0.18	0.34
1750	0.89	0.21	0.41	0.15	0.29	0.67	0.16	0.31	0.11	0.21
2000	0.68	0.14	0.28	0.10	0.19	0.51	0.11	0.21	0.07	0.14
2250	0.54	0.10	0.19	0.07	0.13	0.40	0.08	0.15	0.05	0.10

#### Notes:

- 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
- Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
- Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
- All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
- Highlighted cell – Where the deflection load exceeds the 'Str'.
- Design capacities consider inwards/outwards loadings. The lowest value displayed.

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# Junction Stud – 0.75

## Design Capacities (kPa)

### JS75X35 - 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	20.23	21.56	41.47	14.97	28.80	15.17	16.17	31.10	11.23	21.60
750	8.99	6.39	12.29	4.44	8.53	6.74	4.79	9.21	3.33	6.40
1000	5.06	2.70	5.18	1.87	3.60	3.79	2.02	3.89	1.40	2.70
1250	3.24	1.38	2.65	0.96	1.84	2.43	1.03	1.99	0.72	1.38
1500	2.25	0.80	1.54	0.55	1.07	1.69	0.60	1.15	0.42	0.80
1750	1.65	0.50	0.97	0.35	0.67	1.24	0.38	0.73	0.26	0.50
2000	1.26	0.34	0.65	0.23	0.45	0.95	0.25	0.49	0.18	0.34
2250	1.00	0.24	0.46	0.16	0.32	0.75	0.18	0.34	0.12	0.24

### JS75X50 - 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	32.40	45.73	87.95	31.76	61.08	24.30	34.30	65.96	23.82	45.81
750	14.40	13.55	26.06	9.41	18.10	10.80	10.16	19.54	7.06	13.57
1000	8.10	5.72	10.99	3.97	7.63	6.07	4.29	8.25	2.98	5.73
1250	5.18	2.93	5.63	2.03	3.91	3.89	2.20	4.22	1.52	2.93
1500	3.60	1.69	3.26	1.18	2.26	2.70	1.27	2.44	0.88	1.70
1750	2.64	1.07	2.05	0.74	1.42	1.98	0.80	1.54	0.56	1.07
2000	2.02	0.71	1.37	0.50	0.95	1.52	0.54	1.03	0.37	0.72
2250	1.60	0.50	0.97	0.35	0.67	1.20	0.38	0.72	0.26	0.50
2500	1.29	0.37	0.70	0.25	0.49	0.97	0.27	0.53	0.19	0.37
2750	1.07	0.27	0.53	0.19	0.37	0.80	0.21	0.40	0.14	0.28

**Notes:**

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.

# Junction Stud – 0.75

## Design Capacities (kPa)

### JS120X35 - 0.75

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	25.20	23.87	45.91	16.58	31.88	18.90	17.90	34.43	12.43	23.91
750	11.20	7.07	13.60	4.91	9.45	8.40	5.30	10.20	3.68	7.08
1000	6.30	2.98	5.74	2.07	3.98	4.73	2.24	4.30	1.55	2.99
1250	4.03	1.53	2.94	1.06	2.04	3.02	1.15	2.20	0.80	1.53
1500	2.80	0.88	1.70	0.61	1.18	2.10	0.66	1.28	0.46	0.89
1750	2.06	0.56	1.07	0.39	0.74	1.54	0.42	0.80	0.29	0.56
2000	1.58	0.37	0.72	0.26	0.50	1.18	0.28	0.54	0.19	0.37
2250	1.24	0.26	0.50	0.18	0.35	0.93	0.20	0.38	0.14	0.26

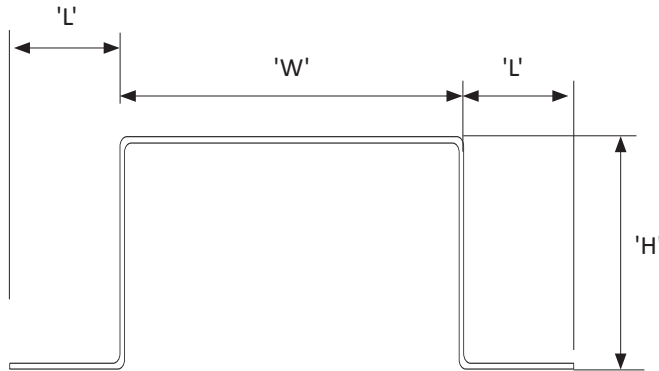
#### Notes:

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.

Where strength matters



## Member Schedule – Junction Studs



DESCRIPTION	Steel Grade (AS1397)	Nom Width "W"	Nom Height "H"	Leg Return "L"	BMT
		W	H	L	
JS50x15-1.10	G250	50	15	14	1.10
JS50x24-1.10	G250	50	24	18	1.10
JS50x35-1.10	G250	50	35	19	1.10
JS50x50-1.10	G250	50	50	17	1.10
JS75x15-1.10	G250	75	15	15	1.10
JS75x24-1.10	G250	75	24	17	1.10
JS75x35-1.10	G250	75	35	20	1.10
JS75x50-1.10	G250	75	50	20	1.10
JS120x35-1.10	G250	120	35	20	1.10

Date of issue – December 2018 – Millform Products



# Junction Stud – 1.10

## Design Capacities (kPa)

### JS50X15 - 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	3.83	4.60	8.84	3.19	6.14	2.87	3.45	6.63	2.40	4.61
750	1.70	1.36	2.62	0.95	1.82	1.28	1.02	1.97	0.71	1.36
1000	0.96	0.57	1.11	0.40	0.77	0.72	0.43	0.83	0.30	0.58
1250	0.61	0.29	0.57	0.20	0.39	0.46	0.22	0.42	0.15	0.29
1500	0.43	0.17	0.33	0.12	0.23	0.32	0.13	0.25	0.09	0.17
1750	0.31	0.11	0.21	0.07	0.14	0.23	0.08	0.15	0.06	0.11
2000	0.24	0.07	0.14	0.05	0.10	0.18	0.05	0.10	0.04	0.07
2250	0.19	0.05	0.10	0.04	0.07	0.14	0.04	0.07	0.03	0.05

### JS50X24 - 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	9.36	14.43	27.75	10.02	19.27	7.02	10.82	20.81	7.52	14.45
750	4.16	4.28	8.22	2.97	5.71	3.12	3.21	6.17	2.23	4.28
1000	2.34	1.80	3.47	1.25	2.41	1.75	1.35	2.60	0.94	1.81
1250	1.50	0.92	1.78	0.64	1.23	1.12	0.69	1.33	0.48	0.92
1500	1.04	0.53	1.03	0.37	0.71	0.78	0.40	0.77	0.28	0.54
1750	0.76	0.34	0.65	0.23	0.45	0.57	0.25	0.49	0.18	0.34
2000	0.58	0.23	0.43	0.16	0.30	0.44	0.17	0.33	0.12	0.23
2250	0.46	0.16	0.30	0.11	0.21	0.35	0.12	0.23	0.08	0.16

#### Notes:

- 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
- Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
- Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
- All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
- Highlighted cell – Where the deflection load exceeds the 'Str'.
- Design capacities consider inwards/outwards loadings. The lowest value displayed.

Where strength matters





# Junction Stud – 1.10

## Design Capacities (kPa)

### JS50X35 – 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	18.08	34.40	66.15	23.89	45.94	13.56	25.80	49.61	17.91	34.45
750	8.04	10.19	19.60	7.08	13.61	6.03	7.64	14.70	5.31	10.21
1000	4.52	4.30	8.27	2.99	5.74	3.39	3.22	6.20	2.24	4.31
1250	2.89	2.20	4.23	1.53	2.94	2.17	1.65	3.18	1.15	2.20
1500	2.01	1.27	2.45	0.88	1.70	1.51	0.96	1.84	0.66	1.28
1750	1.48	0.80	1.54	0.56	1.07	1.11	0.60	1.16	0.42	0.80
2000	1.13	0.54	1.03	0.37	0.72	0.85	0.40	0.78	0.28	0.54
2250	0.89	0.38	0.73	0.26	0.50	0.67	0.28	0.54	0.20	0.38

### JS50X50 – 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	31.34	78.22	150.42	54.32	104.46	23.50	58.67	112.82	40.74	78.35
750	13.93	23.18	44.57	16.09	30.95	10.45	17.38	33.43	12.07	23.21
1000	7.83	9.78	18.80	6.79	13.06	5.88	7.33	14.10	5.09	9.79
1250	5.01	5.01	9.63	3.48	6.69	3.76	3.75	7.22	2.61	5.01
1500	3.48	2.90	5.57	2.01	3.87	2.61	2.17	4.18	1.51	2.90
1750	2.56	1.82	3.51	1.27	2.44	1.92	1.37	2.63	0.95	1.83
2000	1.96	1.22	2.35	0.85	1.63	1.47	0.92	1.76	0.64	1.22
2250	1.55	0.86	1.65	0.60	1.15	1.16	0.64	1.24	0.45	0.86
2500	1.25	0.63	1.20	0.43	0.84	0.94	0.47	0.90	0.33	0.63
2750	1.03	0.47	0.90	0.33	0.63	0.77	0.35	0.68	0.24	0.47
3000	0.86	0.36	0.70	0.25	0.48	0.65	0.27	0.52	0.19	0.36

**Notes:**

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.



# Junction Stud – 1.10

## Design Capacities (kPa)

### JS75X15 – 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	6.01	5.25	10.10	3.65	7.01	4.51	3.94	7.57	2.73	5.26
750	2.67	1.56	2.99	1.08	2.08	2.00	1.17	2.24	0.81	1.56
1000	1.50	0.66	1.26	0.46	0.88	1.13	0.49	0.95	0.34	0.66
1250	0.96	0.34	0.65	0.23	0.45	0.72	0.25	0.48	0.17	0.34
1500	0.67	0.19	0.37	0.14	0.26	0.50	0.15	0.28	0.10	0.19
1750	0.49	0.12	0.24	0.09	0.16	0.37	0.09	0.18	0.06	0.12
2000	0.38	0.08	0.16	0.06	0.11	0.28	0.06	0.12	0.04	0.08
2250	0.30	0.06	0.11	0.04	0.08	0.22	0.04	0.08	0.03	0.06

### JS75X24 – 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	13.96	16.59	31.91	11.52	22.16	10.47	12.44	23.93	8.64	16.62
750	6.20	4.92	9.45	3.41	6.57	4.65	3.69	7.09	2.56	4.92
1000	3.49	2.07	3.99	1.44	2.77	2.62	1.56	2.99	1.08	2.08
1250	2.23	1.06	2.04	0.74	1.42	1.67	0.80	1.53	0.55	1.06
1500	1.55	0.61	1.18	0.43	0.82	1.16	0.46	0.89	0.32	0.62
1750	1.14	0.39	0.74	0.27	0.52	0.85	0.29	0.56	0.20	0.39
2000	0.87	0.26	0.50	0.18	0.35	0.65	0.19	0.37	0.14	0.26
2250	0.69	0.18	0.35	0.13	0.24	0.52	0.14	0.26	0.09	0.18

#### Notes:

- 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
- Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
- Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
- All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
- Highlighted cell – Where the deflection load exceeds the 'Str'.
- Design capacities consider inwards/outwards loadings. The lowest value displayed.

Where strength matters





# Junction Stud – 1.10

## Design Capacities (kPa)

### JS75X35 - 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	25.07	40.31	77.53	28.00	53.84	18.80	30.24	58.15	21.00	40.38
750	11.14	11.95	22.97	8.30	15.95	8.36	8.96	17.23	6.22	11.96
1000	6.27	5.04	9.69	3.50	6.73	4.70	3.78	7.27	2.62	5.05
1250	4.01	2.58	4.96	1.79	3.45	3.01	1.94	3.72	1.34	2.58
1500	2.79	1.49	2.87	1.04	1.99	2.09	1.12	2.15	0.78	1.50
1750	2.05	0.94	1.81	0.65	1.26	1.54	0.71	1.36	0.49	0.94
2000	1.57	0.63	1.21	0.44	0.84	1.18	0.47	0.91	0.33	0.63
2250	1.24	0.44	0.85	0.31	0.59	0.93	0.33	0.64	0.23	0.44

### JS75X50 - 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
Single Span		Continuous Span	Single Span	Continuous Span	Single Span		Continuous Span	Single Span	Continuous Span	
500	42.47	92.18	177.26	64.01	123.10	31.86	69.13	132.95	48.01	92.33
750	18.88	27.31	52.52	18.97	36.47	14.16	20.48	39.39	14.22	27.36
1000	10.62	11.52	22.16	8.00	15.39	7.96	8.64	16.62	6.00	11.54
1250	6.80	5.90	11.34	4.10	7.88	5.10	4.42	8.51	3.07	5.91
1500	4.72	3.41	6.57	2.37	4.56	3.54	2.56	4.92	1.78	3.42
1750	3.47	2.15	4.13	1.49	2.87	2.60	1.61	3.10	1.12	2.15
2000	2.65	1.44	2.77	1.00	1.92	1.99	1.08	2.08	0.75	1.44
2250	2.10	1.01	1.95	0.70	1.35	1.57	0.76	1.46	0.53	1.01
2500	1.70	0.74	1.42	0.51	0.98	1.27	0.55	1.06	0.38	0.74
2750	1.40	0.55	1.07	0.38	0.74	1.05	0.42	0.80	0.29	0.55
3000	1.18	0.43	0.82	0.30	0.57	0.88	0.32	0.62	0.22	0.43
3250	1.00	0.34	0.65	0.23	0.45	0.75	0.25	0.48	0.17	0.34
3500	0.86	0.27	0.52	0.19	0.36	0.65	0.20	0.39	0.14	0.27

**Notes:**

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.

# Junction Stud – 1.10

## Design Capacities (kPa)

### JS120X35 – 1.10

Span	Spacing									
	450 c/c					600 c/c				
	Str	Span/250		Span/360		Str	Span/250		Span/360	
		Single Span	Continuous Span	Single Span	Continuous Span		Single Span	Continuous Span	Single Span	Continuous Span
500	28.56	43.93	84.49	30.51	58.67	21.42	32.95	63.37	22.88	44.00
750	12.69	13.02	25.03	9.04	17.38	9.52	9.76	18.77	6.78	13.04
1000	7.14	5.49	10.56	3.81	7.33	5.35	4.12	7.92	2.86	5.50
1250	4.57	2.81	5.41	1.95	3.75	3.43	2.11	4.06	1.46	2.82
1500	3.17	1.63	3.13	1.13	2.17	2.38	1.22	2.35	0.85	1.63
1750	2.33	1.02	1.97	0.71	1.37	1.75	0.77	1.48	0.53	1.03
2000	1.78	0.69	1.32	0.48	0.92	1.34	0.51	0.99	0.36	0.69
2250	1.41	0.48	0.93	0.33	0.64	1.06	0.36	0.70	0.25	0.48
4000	0.45	0.09	0.17	0.06	0.11	0.33	0.06	0.12	0.04	0.09

#### Notes:

1. 'Str' denotes the Ultimate Design Capacity for the member. (Max carrying Load).
2. Continuous Span analysis assumed the long span being no more than 1.5 times as long as the short span. If spans exceed this, use Single Span Option.
3. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
4. All Capacities were designed in accordance with AS4600. Loads are to be determined using the AS1170 series.
5. Highlighted cell – Where the deflection load exceeds the 'Str'.
6. Design capacities consider inwards/outwards loadings. The lowest value displayed.

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